

主題	詳細資料	備註
姓名	Ashok Pandey	
學歷	<ul style="list-style-type: none"> <li>Myongji University, Yongn, South Korea · Dept. of Environmental Engineering and Energy, PhD</li> </ul>	
經歷	CSIR-Indian Institute of Toxicology Research	
榮譽	<ul style="list-style-type: none"> <li>Highly cited author (Top 1% ) in the world; Clarivate Analytics Report, Web of Science (2018)</li> <li>Life-Time Achievement Award, the Biotech Research Society, India (2018)</li> <li>Adjunct Professor, SMVD University, Katra, J&amp;K (2018)</li> <li>Visiting Scientist, Durban University of Technology, Durban, South Africa (2018)</li> <li>Life-Time Achievement Award, Venus International Research Awards, Chennai, India (2018)</li> <li>Visiting Researcher, Univeristy of Quebec, INRS, Quebec, Canada (2018)</li> <li>Most Outstanding Researcher Award, Career360 (2018)</li> <li>Visiting Professor, Universite Clermont Auvergne, France (2018)</li> </ul>	
專長	<ul style="list-style-type: none"> <li><b>Biofuels and Biorefineries:</b> Production of liquid and gaseous biofuels</li> <li><b>Bioprocess and product development:</b> Production of industrial enzymes, biopolymers, organic acids, etc</li> <li><b>Energy and environmental sustainability:</b> Biological waste treatment and management, SDG</li> </ul>	
代表著作		

<http://iitrindia.org/En/StaffDetail.aspx?id=297>

## List of Publications, including Patents/Books/Book Chapters/Technical Reports/Special Issues of Journals

[As on December 31, 2018; most recent listed first]

### PATENTS

1. Process for the preparation of clavulanic acid employing *Streptomyces clavuligerus* MTCC 1142 in a solid-state fermentation, P Saudagar, SK Singh, R Singhal & Ashok Pandey, CN102933717A, Feb 13, 2013
2. A process on lactic acid production from starchy agro-residues, R Banerjee, M Bishai, B Adhikari, G Reddy, KM Nampoothiri & Ashok Pandey, 1251/KOL/2012 Dated 31.10.2012
3. Process of production of arginine employing *Corynebacterium glutamicum* ATCC21831 or *Corynebacterium glutamicum* ATCC 21493 in a fermentation medium comprising cassava bagasse or jackfruit seed as a carbon source, Ashok Pandey, KM Nampoothiri & R Subramanyam, No 20120309061 (2011), Granted October 6, 2015
4. Utilization of agro-industrial residues for the fermentative production of arginine, KM Nampoothiri, Ashok Pandey & R Subramanyam, PCT/US2010/025371(2011)
5. Process of producing arginine employing ATCC 21831 or ATCC 21493 in an fermentation medium comprising cassava bagasse or jackfruit seed as a carbon source, Ashok Pandey, KM Nampoothiri & R Subramanyam, PCT no 9150892 (2010) Granted October 6, 2015
6. An improved bioprocess for the production of extracellular L-methionine aminopeptidase (L-MAP) from *Streptomyces gedanensis* under solid-state fermentation (SSF), KM Nampoothiri, R Rahulan & Ashok Pandey, Indian Patent, 0155NF (2010)
7. Improved fermentation process for the production of microbial lipid containing high amounts of gamma-linolenic acid, SU Ahmed, SK Singh and Ashok Pandey, Indian Patent NF 009, 2008; IN200900182-I1
8. A solid-state fermentation process for the preparation of clavulanic acid, PS Saudagar, SK Singh, RS Singhal & Ashok Pandey, Indian Patent NF/042/2006, 30<sup>th</sup> March 2006; PCT/IB07/001095, dated 27.4.07; WO2008132531-A1
9. Development of fermented jack fruit seed powder & use the same as potential substrate for the production of food grade red pigments by SSF, S Babitha & Ashok Pandey, Indian Patent, NF257/04 (2004)
10. A process for the production of phytase by solid-state fermentation with jack fruit seed powder using *Aspergillus ficcum*, KM Nampoothiri & Ashok Pandey, Indian Patent NF/006/2004; IPANo 1891/DEL/04, dated 30.9.04

11. An improved process for the production of phytase by *Aspergillus ficuum* under solid-state fermentation. Ashok Pandey, S Sarita, A Sabu & G Szakacs. Indian Patent, NF/338/01, IPA No 1892/DEL/04, dated 30/9/04
12. Production of xanthan gum from cassava bagasse hydrolyzate. CR Soccol, AL Woiciechowski & Ashok Pandey, Brazilian Patent no INPI No 001544, Instituto Nacional de Propriedade Industrial, Brazil, December 27, 2000
13. A novel process for the production of cyclosporin A. Ashok Pandey & K Balakrishnan. Indian Patent 184,003; IPA 1920/DEL/95, dated 19.10.95
14. A novel process for the production of fungal spores in solid-state fermentation. Ashok Pandey, P Selvakumar, L Ashakumary & AD Damodaran. Indian, IPA no 379/DEL/96, dated 23.2.96
15. An improved process for the preparation of glucoamylase enzyme, Ashok Pandey, Indian Patent 178612; IPA No 1041/DEL/91, dated 29.10.91

## DESIGN COPYRIGHT

16. Engineering design for Centre for Biofuels, Ashok Pandey & RK Sukumaran, IPU 015CR2011, New Delhi, 27<sup>th</sup> August (2011)

## POPULAR SCIENCE BOOKS

17. *The Realm of Industrial Biotechnology*, Ashok Pandey, Asiatech Publishers Inc., New Delhi, p. 43 (2000) ISBN: 81-87680-02-4
18. *Threads of Life*. Ashok Pandey. National Institute of Science Communication, New Delhi, p. 51 (1998) ISBN: 81-7236-187-4

## ENCYCLOPAEDIA

19. Concise Encyclopaedia of Bioresource Technology, Editor- Ashok Pandey, Haworth Press, Inc., USA, p 735 (2004) ISBN: 1-56022-980-2

## BOOKS

20. *Biomass, Biofuels, Biochemicals*, Series Editor- Ashok Pandey, Volume 3- *Biofuels from Algae*, 2<sup>nd</sup> edition, Editors- Ashok Pandey, JS Chang, CR Soccol, DJ Lee & Y Chisti, Elsevier, Amsterdam, the Netherlands; p 579 (2019) ISBN: 978-0-44464192-2
21. *Biomass, Biofuels, Biochemicals*, Series Editor- Ashok Pandey, Volume I- *Microbial Electrochemical Technology - Sustainable Platform for Fuels, Chemicals and*

- Remediation*, Editors- SV Mohan, Sunita Varjani & Ashok Pandey, Elsevier, Amsterdam, the Netherlands; p 1123 (2019) ISBN: 978-0-444-64052-9
22. *Current Developments in Biotechnology and Bioengineering*, Series Editor, Ashok Pandey, Volume XII- *Synthetic Biology, Cell Engineering and Bioprocessing Technologies*, 1<sup>st</sup> edition, Editors- SP Singh, Ashok Pandey, GC Du & S Kumar, Elsevier, p 412 (2019) ISBN: 978-0-444-64085-7
23. *Waste Biorefinery- Potential and Perspectives*, 1<sup>st</sup> Edition, Editors- T Bhaskar, Ashok Pandey, SV Mohan, DJ Lee & SK Khanal, Elsevier, p 890 (2018) ISBN: 978-044-46-3992-9
24. *Environmental, Chemical and Medical Sensors*, Editors- S Bhattacharya, AK Agarwal, N Chanda, Ashok Pandey & AK Sen, Springer, Singapore, p 409 (2018) ISBN: 978-981-10-7750-0
25. *Sustainable Energy and Transportation- Sustainability Technologies and Policy*, Editors- A Gautam, S De, A Dhar, JG Gupta & Ashok Pandey, Springer, Singapore, p 292 (2018) ISBN: 978-981-10-7508-7
26. *Water Remediation*, Editors- S Bhattacharya, AB Gupta, A Gupta & Ashok Pandey, Springer, Singapore, p 246 (2018) ISBN: 978-981-10-7550-6
27. *Algal Green Chemistry: Recent Progress in Biotechnology*, Editors- RP Rastogi, D Madamwar & Ashok Pandey, Elsevier, Amsterdam, The Netherlands, p 336 (2017) ISBN: 978-044-46-3784-0
28. *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume X- *Current Advances in Solid-State Fermentation*, Volume Editors- Ashok Pandey, C Larroche & CR Soccol; Elsevier, Amsterdam, The Netherlands, p 480 (2018) ISBN: 978-0-444-63990-5
29. *Combustion for Power Generation and Transportation: Technology, Challenges and Prospects*, Editors- AK Agarwal, S De, Ashok Pandey & AK Singh, Springer, P 451 (2017) ISBN: 978-981-103-7849
30. *Locomotives and Rail Road Transportation: Technology, Challenges and Prospects*, Editors- AK Agarwal, A Dhar, A Gautam & Ashok Pandey, Springer, p 245 (2017) ISBN: 978-981-103-7870
31. *Proceedings of International Conference on Sustainable Energy and Environmental Challenges (SEEC-2017)*, Editors- AP Singh, Ashok Pandey, A Dhar, AK Agarwal, DK Srivastava, RS Sangwan & S De, ISEES, Kanpur, India, p 609 (2017)
32. *Biofuels: Production and Future Perspectives*, RS Singh, Ashok Pandey & Edgard Gnansounou, Taylor & Francis, CRC Press, Boca Raton, USA, p578 (2017) ISBN: 978-1-4987-2359-6
33. *Life-Cycle Assessment of Biorefineries*, Editors- E Gnansounou & Ashok Pandey, Elsevier, Amsterdam, The Netherlands, p 312 (2017) ISBN: 978-0-444-63585-3
34. *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief, Ashok Pandey, Volume I- *Foundations of Biotechnology and Bioengineering*, Volume Editors- Ashok Pandey & JA Teixeira, Elsevier, Amsterdam, The Netherlands, p 281 (2017) ISBN: 978-0-444-63668-:

35. *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume II: *Functional Genomics and Metabolic Engineering*, Volume Editors- P Gunasekaran, S Noronha & Ashok Pandey, Elsevier, Amsterdam, The Netherlands, p 300 (2017) ISBN: 978-0-444-63667-6
36. *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume III: *Food and Beverages Industry*, Volume Editors- Ashok Pandey, GC Du, MA Sanroman, CR Soccol & CG Dussap, Elsevier, Amsterdam, The Netherlands, p 500 (2017) ISBN: 978-0-444-63666-9
37. *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume IV: *Biological Treatment of Industrial Effluents*, Volume Editors- DJ Lee, J Jegatheesan, HH Ngo, PC Hallenbeck & Ashok Pandey, Elsevier, Amsterdam, The Netherlands, p 501 (2017) ISBN: 978-0-444-63665-2
38. *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume V: *Solid Waste Management*, Volume Editors- JCW Wong, RD Tyagi & Ashok Pandey, Elsevier, Amsterdam, The Netherlands, p 504 (2017) ISBN: 978-0-444-63664-5
39. *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume VI: *Bioprocesses, Bioreactors and Controls*, Volume Editors- C Larroche, MA Sanroman, GC Du & Ashok Pandey, Elsevier, Amsterdam, The Netherlands, p 821 (2017) ISBN:978-0-444-63663-8
40. *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume VII: *Production, Isolation and Purification of Industrial Products*, Volume Editors- Ashok Pandey, S Negi & CR Soccol, Elsevier, Amsterdam, The Netherlands, p 854 (2017) ISBN: 978-0-444-63662-1
41. *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume VIII: *Crop Modification, Nutrition and Food Production*, Volume Editors- SK Dubey, Ashok Pandey & RS Sangwan, Elsevier, Amsterdam, The Netherlands, p 289 (2017) ISBN: 978-0-444-63661-4
42. *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume IX: *Human and Animal Health Applications*, Volume Editors- VT Soccol, Ashok Pandey & R Resende, Elsevier, Amsterdam, The Netherlands, p 653 (2017) ISBN: 978-0-444-63660-7
43. *Energy, Combustion and Propulsion – New Perspectives*, Editors- AK Agarawal, SK Aggarwal, AK Gupta, A Kushari & Ashok Pandey, Athena Academic, London, UK; p 609 (2016) ISBN: 978-1-910-39029-0
44. *Industrial Biorefineries and White Biotechnology*, Editors- Ashok Pandey, R Hofer, MJ Taherzadeh, KM Nampoothiri & C Larroche, Elsevier, Waltham, USA; p 710 (2015) ISBN: 978-0-444-63453-5
45. *Advances in Thermochemical Conversion of Biomass*, Editors- Ashok Pandey, T Bhaskar, M Stocker & RK Sukumaran, Elsevier, UK; p 491 (2015) ISBN: 978-0444-63289-0

46. *Novel Combustion Concepts for Sustainable Energy Development*, Editors- AK Agarwal, Ashok Pandey, AK Gupta, SK Aggarwal & A Kushari, Springer, New Delhi, India, p 562 (2015) ISBN: 978-81-322-2210-1
47. *Pretreatment of Biomass: Processes and Technologies*, Editors- Ashok Pandey, S Negi, P Binod & C Larroche, Elsevier, UK, p 264 (2015) ISBN: 978-012-800-080-9
48. *Advances in Biotechnology*, Editors- NN Nawani, M Khetmalas, PN Razdan & Ashok Pandey, IK International Publishers, New Delhi, India, p238 (2015) ISBN: 978-938-458-809-0
49. *Advances in Industrial Biotechnology*, Editors- RS Singh, Ashok Pandey & C Larroche, IK International Publishers, New Delhi, India, p532 (2014) ISBN: 978-938-233-2534
50. *Biofuels from Microalgae*, Editors- Ashok Pandey, DJ Lee, Y Chisti & CR Soccol, Elsevier Inc; San Diego, USA, p338 (2013) ISBN: 978-0-444-59558-4
51. *Biohydrogen-* Editors- Ashok Pandey, JS Chang, P Hallenbeck & C Larroche, Elsevier Inc; San Diego, USA, p358 (2013) ISBN: 978-0-12-385099-3
52. *Solutions to Environmental Challenges through Innovations in Research*, Editors- L Shu, V Jeegatheesan, Ashok Pandey, J Virkutyte & HD Utomo, Asiatech Publishers Inc, New Delhi, India, p 478 (2013) ISBN: 978-818-768-0314
53. *Fermentation Processes Engineering in Food Industry*, Editors- CR Soccol, Ashok Pandey & C Larroche, CRC Press, Taylor & Francis, Boca Raton, USA, p486 (2013) ISBN:978-1-4398-8765-3
54. *Biofuels- Alternative Feedstocks and Conversion Processes*, Editors- Ashok Pandey, C Larroche, SC Ricke, CG Dussap & E Gnansounou, Academic Press, Elsevier Inc; San Diego, USA, p629 (2011) ISBN: 978-0-12-385099-7
55. *Advances in Bioprocesses in Food Industry*, Volume IV, Editors- CR Soccol, Ashok Pandey, VT Soccol & C Larroche, Asiatech Publishers, Inc., New Delhi, p220 (2011) ISBN: 81-87680-28-8
56. *Comprehensive Food Fermentation Biotechnology*, Volume II, Editors- Ashok Pandey, CR Soccol, C Larroche, EGnansounou & P Nigam, Asiatech Publishers, Inc., New Delhi, p800 (2010) ISBN: 81-87680-23-7
57. *Comprehensive Food Fermentation Biotechnology*, Volume I, Editors- Ashok Pandey, CR Soccol, C Larroche, EGnansounou & CG Dussap, Asiatech Publishers, Inc., New Delhi, p400 (2010) ISBN: 81-87680-22-9
58. *Current Topics on Bioprocesses in Food Industry*, Volume III, Editors- LV Rao, Ashok Pandey, C Larroche, CR Soccol & CG Dussap, Asiatech Publishers, Inc., New Delhi, p 222 (2010) ISBN: 81-87680-21-0
59. *Biotechnology for Agro-Industrial Residues Utilization*, Editors- P Nigam & Ashok Pandey, Springer Science, Netherlands, p 466 (2009) ISBN: 978-1-4020-9941-0
60. *Bioprocess and Bioproducts: Technology Trends and Opportunities*, Editors- S Biswas, N Kaushik & Ashok Pandey, Asiatech Publishers, Inc., New Delhi, p 193 (2009) ISBN: 81-87680-20-2
61. *New Horizons in Biotechnology*, Editors- Ashok Pandey, C Larroche, CR Soccol & CG Dussap, Asiatech Publishers, Inc., New Delhi, p 456 (2009) ISBN: 81-87680-19-9

62. *Handbook of Plant-Based Biofuels*, Editor- Ashok Pandey, CRC Press, Francis & Taylor's, Boca Raton, USA, p 297 (2008) ISBN: 978-q-5602-2175-3
63. *Advances in Fermentation Technology*, Editors- Ashok Pandey, C Larroche, CR Soccol and CG Dussap, Asiatech Publishers, Inc., New Delhi, p 672 (2008) ISBN: 81-87680-18-0
64. *Food Science and Food Biotechnology in Developing Countries*, Editors- CN Aguilar, JM Castro, E Delgado, DJ Cantu and Ashok Pandey, Asiatech Publishers, Inc., New Delhi, p 507 (2008) ISBN: 81-87680-16-4
65. *Current Topics on Bioprocesses in Food Industry-II*, Editors- AA Koutinas, Ashok Pandey and C Larroche, Asiatech Publishers, Inc., New Delhi, p 518 (2008) ISBN: 81-87680-17-2
66. *Current Developments in Solid-state Fermentation*, Editors- Ashok Pandey, CR Soccol and C Larroche, Springer, USA & Asiatech Publishers, Inc., New Delhi, p 517 (2007) ISBN: 81-87680-15-6
67. *Current Topics on Bioprocesses in Food Industry*, Editors- C Larroche, Ashok Pandey and CG Dussap, Asiatech Publishers, Inc., New Delhi, p 475 (2006) ISBN: 81-87680-14-8
68. *Enzyme Technology*, Editors- Ashok Pandey, C Webb, CR Soccol & C Larroche, Springer Science, USA, p 740 (2006), ISBN: 0-387-29294-2, Asiatech Publishers, Inc., New Delhi, p 740 (2004) ISBN: 81-78680-12-1
69. *Biotechnological Advances and Applications in Bioconversion of Renewable Raw Materials*, Editors: R Jonas, Ashok Pandey & G Tharun, Doehring Druck, Braunschweig, Germany (2004), ISBN: 3-925 268-25-0
70. *New Horizons in Biotechnology*, Editors- S Roussos, CR Soccol, Ashok Pandey & C Augur, Kluwer Academic Publishers, Dordrecht, The Netherlands, p 449 (2003), ISBN: 1-4020-1718-9
71. *RRL-T 25 Years*, Silver Jubilee Book, Editors- KG Satyanarayana, BC Pai & Ashok Pandey, Published by RRL, Trivandrum, p 588 (2003)
72. *Solid-State Fermentation in Biotechnology*. Editors - Ashok Pandey, CR Soccol, JA Rodriguez-Leon & P Nigam, Asiatech Publishers Inc., New Delhi, p 221 (2001), ISBN: 81-87680-06-7
73. *Coffee Biotechnology and Quality*. Editors – T Sera, CR Soccol, Ashok Pandey & S Roussos. Kluwer Academic Publishers, Dordrecht, The Netherlands, p 538 (2000), ISBN: 9-7923-6582-8
74. *Biotechnology: Food Fermentation*. Vol. II, Editors - VK Joshi & Ashok Pandey. Educational Publishers & Distributors, New Delhi, India, pp 523-1372 (1999) ISBN: 81-87198-05-2
75. *Biotechnology: Food Fermentation*. Vol. I, Editors - VK Joshi & Ashok Pandey. Educational Publishers & Distributors, New Delhi, India, pp 1-522 (1999) ISBN: 81-87198-04-4
76. *Advances in Biotechnology*. Editor - Ashok Pandey. Educational Publishers & Distributors, New Delhi, p 514 (1998) ISBN: 81-87198-04-6
77. *New Developments in Carbohydrates and Related Natural Products*. Editors - M. J. Mulky & Ashok Pandey. IBH & Oxford Publishing Co., New Delhi, India, p 283 (1995) ISBN: 81-204-0984-1
78. *Solid State Fermentation*. Editor - Ashok Pandey. Wiley Eastern Limited, New Delhi, India, p 188 (1994) ISBN: 81-224-0661-0

79. *Recent Advances in Carbohydrate Research*. Editors - KCM Raja & Ashok Pandey. Published by the Association of Carbohydrate Chemists & Technologists (I), p 275 (1992)

## **JOURNALS AS SPECIAL ISSUE EDITOR**

80. *RENE* Special Issue on 1<sup>st</sup> International Conference on Bioresource Technology for Bioenergy, Bioproducts & Environmental Sustainability (BIORESTEC), Guest Editors- Ashok Pandey, DJ Lee, SV Mohan & R Ruan, *Renewable Energy*, 129 (Part B), 677-863 (2018)
81. *IJEB* Special Issue on *Biotechnology for Waste Conversion – ETBWC-2017*, Guest Editors- S Kumar, SJ Varjani & Ashok Pandey, *Indian Journal of Experimental Biotechnology*, 56(7), 439-530 (2018)
82. *FTB* Special issue on the 7th International Forum on Industrial Bioprocessing - IFIBiop2017, May 21-24, 2017, Wuxi, China; Guest Editors- Ashok Pandey, GC Du, SP Singh & C and C Vial, *Food Technology and Biotechnology*, 56(1), 1-123 (2018)
83. *IJEB* Special Issue on *Trends in Industrial and Environmental Biotechnology*, Guest Editors- Ashok Pandey, S Babu, KM Nampoothiri, CG Dussap & Samir Khanal, *Indian Journal of Experimental Biotechnology*, 55(7), 399-522 (2017)
84. *IJBT* Special issue on *Current Trends in Biotechnology (ICCB-2016)*, Guest Editors- Ashok Pandey, G Jayaraman, E Gnansounou, C Larroche & P Binod, *Indian Journal of Biotechnology*, 16(2), 151-264 (2017)
85. *RENE* Special Issue on *New Horizons in Biofuels Production and Technologies- International Conference on New Horizons in Biotechnology (NHBT-2015)*, Guest Editors- Ashok Pandey, DJ Lee, SK Khanal & RR Singhanian, *Renewable Energy*, 98, 1-298 (2016)
86. *BEJ* Special Issue on *Trends in Industrial Biotechnology (ICETB-2014)*, Guest Editors- IS Thakur, Ashok Pandey & P Nigam, *Biochemical Engineering Journal*, 102, 1-134 (2015)
87. *IJEB* Special Issue on *Emerging Trends in Biotechnology (ICETB-2014)*, Guest Editors- IS Thakur, Ashok Pandey & HH Ngo, *Indian Journal of Experimental Biology*, 53(6), 313-424 (2015)
88. *IJBT* Special Issue on *Emerging Trends in Biotechnology (ICETB-2014)*, Guest Editors- IS Thakur, Ashok Pandey & GR Castro, *Indian Journal of Biotechnology*, 14(2), 149-281 (2015)
89. *IJEB* Special Issue on *Advances in Biotechnology and Bioinformatics (ICABB-2013)*, Guest Editors- Neelu Nawani, Ashok Pandey, Samir Khanal & P Binod, *Indian Journal of Experimental Biology*, 52(11), 1017-1152 (2014)
90. *IJBT* Special Issue on *Advances in Biotechnology and Bioinformatics (ICABB-2013)*, Guest Editors- N Nawani, Ashok Pandey, EM Papamichael & K M Nampoothiri, *Indian Journal of Biotechnology*, 13(3), 283-418 (2014)



91. *Biologia* Special Issue on ICAB-2012, Guest Editors- Ashok Pandey & RS Singh, *Biologia*, 68(6), 1051-1242 (2013) ISSN: 0006-3088
92. *JEB* Special Issue on *New Developments in Biotechnology*, Guest Editors- RS Singh, Ashok Pandey, CG Dussap & L Piergiovanni, *Indian Journal of Experimental Biology*, 51(11), 867-1048 (2013) ISSN: 0019-5189
93. *JSIR* Special Issue on *Industrial Biotechnology*, Guest Editors- RS Singh, Ashok Pandey, L Szyrkowicz & CR Soccol, *Journal of Scientific and Industrial Research*, 72(9-10), 533-626 (2013) ISSN: 0022-4456
94. *ABAB* Special Issue on *New Horizons in Biotechnology*, Guest Editors- Ashok Pandey, C Larroche, DJ Lee & CR Soccol, *Applied Biochemistry and Biotechnology*, 167(5-6), 929-1844 (2012) ISSN: 0273-2289
95. *IJB* Special Issue on *Advances in Biotechnology- ICGS-2010*, Special Issue Editors- P Gunasekaran, Ashok Pandey and L Saso, *Indian Journal of Biotechnology*, 10(4), 386-507 (2011) ISSN: 0972-5849
96. *JSIR* Special Issue on ICGS-2010, Special Issue Editors- P Gunasekaran, Ashok Pandey, Lidia Szyrkowicz & J Rajendhran, *Journal of Scientific and Industrial Research*, 70(11), 903-1001(2011) ISSN: 0022-4456
97. *BITE* Special Issue on *Biohydrogen- Biofuels – III*, Special Issue Editor- Ashok Pandey, Guest Editors- JS Chang, CP Chou, DJ Lee and AJ Guwy, *Bioresource Technology*, 102(18), pp 8343-8726 (2011) ISSN:0960-8524
98. *FTB* Special Issue on ICBF-2010, Special Issue Editors- CR Soccol, Ashok Pandey, C Larroche & VT Soccol, *Food Technology and Biotechnology*, 49(3), pp 275-395 (2011) ISSN:1330-9862
99. *BITE* Special Issue on *Algal Biofuels and Microbial Fuel Cells- Biofuels – II*, Special Issue Editor- Ashok Pandey, Guest Editors- DJ Lee and BE Logan, *Bioresource Technology*, 102(1), pp 1-426 (2011) ISSN:0960-8524
100. *FTB* Special Issue on *Probiotics, Prebiotics and Synbiotics-* Guest Editors - Ashok Pandey, C Larroche & CR Soccol, *Food Technology and Biotechnology*, 48 (4), pp 411-574 (2010) ISSN: 1330-9862
101. *BITE* Special Issue on *Lignocellulosic Bioethanol: Current Status and Perspectives*, Special Issue Editor- Ashok Pandey, *Bioresource Technology*, 101(14), pp 4743-5042 (2010) ISSN:0960-8524
102. *BITE* Special Issue on *CESE Special Issue on Challenges in Environmental Science and Engineering: Waste Treatment- Challenges and Solutions*, Special Issue Editor- Ashok Pandey, Guest Editors- V Jegatheesan, L Shu and HH Ngo, *Bioresource Technology*, 101(5), pp 1415-1531 (2010) ISSN:0960-8524
103. *FRI* Special Issue on *ICBF-2008*, Special Issue Editors- Ashok Pandey, LV Rao, C Larroche & CR Soccol, *Food Research International*, 42(4), pp 417-528 (2009) ISSN: 0963-9969
104. *ABAB* Special Issue on *New Horizons in Biotechnology*, Special Issue Editors- Ashok Pandey, C Larroche, CR Soccol & CG Dussap, *Applied Biochemistry and Biotechnology*, 151 (2-3), pp 105-723 (2008) ISSN: 0273-2289

105. *JSIR Special Issue on Biofuels II*, Special Issue Editors- E Gnansounou, C Larroche and Ashok Pandey, *Journal of Scientific & Industrial Research*, 67(11), pp 837-1040(2008) ISSN: 0022-4456
106. *FTB Special Issue on ICBF-2006*, Special Issue Editors- AA Koutinas and Ashok Pandey, *Food Technology and Biotechnology*, 46(2), pp 123-236 (2008) ISSN 1330-9862
107. *JSIR Special Issue on Advances in Industrial Biotechnology- Indian Scenario*, Special Issue Editors- K Sankaran, B Sivasankar and Ashok Pandey, *Journal of Scientific & Industrial Research*, 66(8), pp 589-692(2007) ISSN: 0022-4456
108. *FTB Special Issue on Food Enzymes and Additives, Part II- Food Additives and Other Products*, *Food Technology and Biotechnology*, Guest Editors- Ashok Pandey, C Larroche and CR Soccol, 44(3), pp 301-448 (2006) ISSN 1330-9862
109. *FTB Special Issue on Food Enzymes and Additives, Part 1- Enzymes and Organic Acids for Food Applications*, *Food Technology and Biotechnology*, Guest Editors- Ashok Pandey, C Larroche and CR Soccol, 44(2), pp 123-300 (2006) ISSN 1330-9862
110. *JSIR Special Issue on Biofuels*, *Journal of Scientific & Industrial Research*, Guest Editors- C Larroche & Ashok Pandey, 64(11), pp 797-988(2005) ISSN: 0022-4456
111. *ABAB Special Issue on Interface of Chemistry and Biology*, Special issue of *Applied Biochemistry and Biotechnology*, Humana Press, USA Guest Editors- Ashok Pandey & C Larroche, 120(1-3), pp 1-382 (2004), ISSN: 0273-2289
112. *IJBT Special Issue on Microbial and Industrial Biotechnology*, *Indian Journal of Biotechnology*, Guest Editors- Ashok Pandey & C Larroche, 2(3), pp 285-468 (2003), ISSN: 0972-5849
113. *BEJ Special Issue on Solid-State Fermentation*, *Biochemical Engineering Journal*, Elsevier, UK Guest Editor- Ashok Pandey, 13 (2-3), pp 79-218 (2003), ISSN: 1369-703X
114. *BAAAP Special Issue on Bioactive Molecules (Jaiv Sakriya Anu Sansar- in Hindi)*, *Bhartiya Vaigyanik avm Audyogik Anusandhan Patrika*, Guest Editor- Ashok Pandey, 11(1), pp 1-124 (2003), ISSN: 0771-7706
115. *ABAB Special Issue on New Horizons in Biotechnology*, Special issue of *Applied Biochemistry and Biotechnology*, Humana Press, USA Guest Editors- Ashok Pandey & R Banerjee, 102-103, pp 1-488 (2002), ISSN: 0273-2289
116. *JSIR Special Issue on Frontiers in Biotechnology*. Guest Editors - Ashok Pandey, CR Soccol & VK Joshi, *Journal of Scientific & Industrial Research*, 57 (10 & 11), pp 561-844 (1998) ISSN: 0022-4456
117. *JSIR Special Issue on Solid State Fermentation*. Guest Editor - Ashok Pandey, *Journal of Scientific & Industrial Research*, 55 (5 & 6), pp 311-482 (1996) ISSN: 0022-4456

118. Bioethanol from lignocellulosic biomass- Phase II, Project completion report submitted to Technology Information, Forecasting and Assessment Council, DST, New Delhi, Ashok Pandey & RK Sukumaran (2018)
119. Development of functional foods and their formulations for potential health benefits of common man (FUNHEALTH), A project completion report submitted to CSIR, New Delhi (2017)
120. Sorghum stover-based biorefinery for fuels and chemicals, Project completion report submitted to MNRE, New Delhi (2016)
121. Pretreatment of rice straw for bioenergy, Project completion report submitted to DSM India, Pune (2015)
122. Bioprocesses development for the production of L-lactic acid, PGA and cellulase enzymes, Project completion report submitted to Thermax (India), Pune (2015)
123. Glycerol-based carbon acid catalyst for the production of ethanol and value-added chemicals from biomass, Project completion report submitted to Department of Science and Technology, New Delhi Ashok Pandey (2015)
124. Bioethanol from lignocellulosic biomass, Project completion report submitted to Technology Information, Forecasting and Assessment Council, DST, New Delhi, Ashok Pandey (2013)
125. Fermentative production of arginine, Project completion report submitted to Colgate-Palmolive, USA, KM Nampoothiri & Ashok Pandey (2012)
126. Development of a bioprocess for the production of polyhydroxybutyrate (PHB) from bio-diesel industry generated glycerol, Ashok Pandey, Project completion report to Department of Biotechnology, New Delhi (2012)
127. Conversion of cellulose and hemi-cellulose into sugars and ethanol, Ashok Pandey & RK Sukumaran, NMITLI Project completion report to Council of Scientific and Industrial research, New Delhi (2012)
128. Construction and screening of environmental DNA libraries for novel  $\beta$ -lactamase inhibitors and lipases, Ashok Pandey & RK Sukumaran, Project completion report to Department of Biotechnology, New Delhi (2011)
129. Development of thermo-stable and low pH-tolerant phytase from *Aspergillus niger* using site-directed mutagenesis, Ashok Pandey, Project completion report to Department of Biotechnology, New Delhi (2011)
130. Microbial production of arginine, Project completion report submitted to Colgate-Palmolive, USA, KM Nampoothiri & Ashok Pandey (2009)
131. Study on availability of Indian biomass resources for exploitation, A report based on a nation-wise survey- Ashok Pandey, S Biswas, RK Sukumaran & N Kaushik, Published by TIFAC, New Delhi, p 105 (2009)
132. Biocatalysis- a novel approach for the production of pharmaceuticals, Ashok Pandey, Project completion report to Department of Science and Technology, New Delhi (2009)

133. Potential for sustainable production of second generation biofuels: Indian perspectives, RK Sukumaran & Ashok Pandey, Project completion report to the International Energy Agency, Paris, France (2009)
134. Isolation and screening of microorganisms to produce nitrilase and hydantoinase, Project completion report submitted to Hi-Tech Biosciences, Pune on the consultancy project, Ashok Pandey (2009)
135. Microbial production of L-Arginine, L-Glutamic acid and L-Citrullin: State-of-art information, Project completion report submitted to Colgate-Palmolive, USA, KM Nampoothiri & Ashok Pandey (2008)
136. Development and applications of food enzymes- alpha amylase, Ashok Pandey, Project completion report to the Department of Biotechnology, New Delhi (2007)
137. Exploration and exploitation of microbial wealth of India for novel compounds and biotransformation processes, Ashok Pandey, Project completion report to the CSIR, New Delhi (2007)
138. New generation fuels & lubricants- Development of liquid fuels and ethanol Production from biomass, Ashok Pandey, Project completion report to the CSIR, New Delhi (2007)
139. Development of green technologies- Value-added organic chemicals from biomass and agro-industrial wastes, Ashok Pandey, Project completion report to the CSIR, New Delhi (2007)
140. Substrate specific enzyme complexes by solid-state fermentation, Ashok Pandey, Project completion report to the Department of Science and Technology, New Delhi (2006)
141. Production of chitinase enzyme and its evaluation as a bio-control agent against the insect pest *Helicoverpa armigera*, Ashok Pandey, Project completion report to the Nirmal Seeds Pvt Ltd, Pachora (2006)
142. Phytase: An eco-friendly feed enzyme, Ashok Pandey, Project completion report to the Department of Biotechnology, New Delhi (2005)
143. First International Congress on Bioprocesses in Food Industries (ICBF-2004)- A report, C Larroche & Ashok Pandey, *LWT - Food Science and Technology*, 38(6), 695 (2005)
144. Solid-state fermentation for the production of phytase, Ashok Pandey, Project completion report to the Department of Science and Technology, Govt. of India, New Delhi (2003)
145. Microbial synthesis of inulinases. Ashok Pandey, Project completion report to the Department of Biotechnology, Govt. of India, New Delhi (2000)
146. Scientific Productivity Report. Ashok Pandey, A report to UFPR, Curitiba, Brazil on scientific productivity for two-years stay as Visiting Faculty (*Professor Titular*) during April 1998- April 2000 (2000)
147. Production of citric acid by fermentation using agro-industrial residues. Ashok Pandey. Project completion report to the FUNPAR/ UFPR, Curitiba, Brazil (1999)
148. Bioconversion of agricultural lignocellulosic by-products and lignin degradation. Ashok Pandey. A technical feasibility and perspective report to the Task Force Committee, Department of Biotechnology, New Delhi (1998)

149. Role of iron and siderophores in microbial physiology, especially in solid-state fermentation. Ashok Pandey. A report on scientific productivity on Raman Research Fellowship award to the Council of Scientific & Industrial Research, New Delhi (1996)
150. Solid-state fermentation for production of glucoamylase. Ashok Pandey. Project completion report to the Department of Biotechnology, Govt. of India, New Delhi. (1995)
151. Production of antibiotically active secondary metabolite. Ashok Pandey, Gallina Lazarova-Palazova, I. B. C. Omar, and Lyndon Johnson. Project completion report to the GBF, Braunschweig, Germany (1992)
152. Prospects of production of alcohol from tapioca. Part II: A technology proposal. Ashok Pandey and A. D. Damodaran. High Level Committee Report, Govt. of Kerala, Trivandrum (1991)
153. Prospects of production of alcohol from tapioca. Part I: A strategic review. Ashok Pandey and A. D. Damodaran. High Level Committee Report. Govt. of Kerala, Trivandrum (1990)
154. Bioenergy production and pollution control strategies for natural rubber effluent. Ashok Pandey. A report to the State Committee on Science, Technology and Environment, Govt. of Kerala, Trivandrum (1989)
155. Direct conversion of sugar cane juice to alcohol (ethanol). S. K. Mishra, Ashok Pandey, H. N. Shukla, Rita Kar and L. Viswanathan. A report to Indian Council of Agricultural Research, New Delhi (1985)

#### **CHAPTERS IN BOOKS/PROCEEDINGS**

156. R Sindhu, P Binod, Ashok Pandey, S Ankaram, Y Duan & MK Awasthi, Biofuels production from biomass: Towards sustainable Development, In- *Current Developments in Biotechnology and Bioengineering – Waste Treatment Processes for Energy Generation*, Editors- S Kumar, R Kumar & Ashok Pandey, Elsevier (2019) In Press
157. Enzyme production from food waste and their application, VN Kumar, S Rebello, R Sindhu, P Binod, Ashok Pandey, EM Aneesh & P Chellamma, In - *Global Initiatives for Waste Reduction and Cutting Food Loss*, Editors – AB Gunjal, M Waghmode, NN Patil & P Bhatt, IGI Global (2019), In Press
158. Resource recovery from waste: An Introduction, Sunita Varjani, Ashok Pandey, E Gnansounou, S Khanal & R Sindhu, In- *Current Developments in Biotechnology and Bioengineering – Resource Recovery from Waste*, Editors – Ashok Pandey, Sunita Varjani, E Gnansounou, S Khanal & R Sindhu, Elsevier, (2019) In Press
159. Waste to wealth: valorization of food waste for the production of fuels and chemicals, R Sindhu, P Binod, RB Nair, Sunita Varjani, Ashok Pandey & E Gnansounou, In- *Current Developments in Biotechnology and Bioengineering - Resource Recovery from Waste*, Editors – Ashok Pandey, Sunita Varjani, E Gnansounou, S Khanal & R Sindhu, Elsevier (2019) In Press
160. Sorbitol demineralization by ion exchange, SB Ummalyma, H Rijeeba, R Sindhu, P Binod, Ashok Pandey & E Gnansounou, In- *Organic-Inorganic Composite Polymer Electrolyte Membranes*, Editors – Inamuddin, MI Ahamed & AM Asiri. Springer UK (2019) In Press

161. Advancement in biofuel production by strain development in yeast from lignocellulosic biomass, A Madhavan, R Sindhu, KB Arun, Ashok Pandey, P Binod & E Gnansounou, In- *Bioprocessing for Food Ingredient Production*, Editor- G Molina, Wiley-Blackwell, (2019) In Press
162. Biological pretreatment of lignocellulosic biomass- current trends and future perspectives, SB Ummalyma, RD Supriya, R Sindhu, P Binod, RB Nair, Ashok Pandey & E Gnansounou, In- *2<sup>nd</sup> and 3<sup>rd</sup> Generation of Feedstocks- The Evolution of Biofuels*, Editors – Angelo Basile and Francesco Dalena, Elsevier (2019) In Press
163. Microbial production of flavonoids: engineering strategies for improved production, A Madhavan, R Sindhu, KB Arun, Ashok Pandey, P Binod & E Gnansounou, In- *A handbook on High Value Fermentation Products*, Editors – S Saran, V Babu & Asha Chaubey, Volume 1, Scrivener (Wiley), pp 365 - 380 (2019) ISBN 978 -1-119-46001-5
164. Poly unsaturated fatty acids (PUFA's), SB Ummalyma, R Sindhu, P Binod, Ashok Pandey & E Gnansounou, In - *A handbook on High Value Fermentation Products*, Editors – S Saran, V Babu & A Chaubey, Volume 2, Scrivener (Wiley), pp 133 - 154 (2019) ISBN 978-1-119-46001-5
165. Enzyme catalysis: A workforce to productivity of textile industry, S Rebello, EM Aneesh, R Sindhu, P Binod, Ashok Pandey & Edgard Gnansounou, In - *A handbook on High Value Fermentation Products*, Editors – S Saran, V Babu & Asha Chaubey, Volume 2, Scrivener (Wiley), pp 61 - 80 (2019) ISBN 978-1-119-46001-5
166. Industrial enzymes as feed supplements—Advantages to nutrition and global environment, S Rebello, D Balakrishnan, AN Anoopkumar, R Sindhu, P Binod, Ashok Pandey & EM Aneesh, In- *Green Bio-processes - Enzymes in Industrial Food Processing*, Editors- P Binod, Sunita Varjani & R Sindhu, Springer, pp 293-304 (2019)
167. Basics and roots of synthetic biology, SP Singh, S Bansal & Ashok Pandey, In- *Current Developments in Biotechnology and Bioengineering*, Series Editor, Ashok Pandey, Volume XII- *Synthetic Biology, Cell Engineering and Bioprocessing Technologies*, 1<sup>st</sup> Edition, Editors- SP Singh, Ashok Pandey, GC Du & S Kumar, Elsevier, Singapore, pp 3-22 (2019)
168. Microbial Electrochemical Technology: Emerging and Sustainable Platform, SV Mohan , J Shanthi Sraavan, SK Butt, K Vamshi Krishna, J Annie Modestra, G Velvizhi, A Naresh Kumar, Sunita Varjani & Ashok Pandey, In- *Microbial Electrochemical Technology - Sustainable Platform for Fuels, Chemicals and Remediation*, Editors- S Venkata Mohan, Sunita Varjani & Ashok Pandey, Elsevier, Singapore, pp 3-18 (2019)
169. Enzyme catalysis: A workforce to productivity of textile industry, S Rebello, EM Aneesh, R Sindhu, P Binod, Ashok Pandey & E Gnansounou, In- *A handbook on high value fermentation products*, Scrivener Publishing, Austin, USA (2018) ISBN: 978-111-946-0015
170. Introduction to environmental, chemical and medical sensors, S Bhattacharya, AK

- Agarwal, N Chanda, Ashok Pandey AK Sen, S Kumar & P Sundriyal, In- *Environmental, Chemical and Medical Sensors*, Editors- S Bhattacharya, AK Agarwal, N Chanda, Ashok Pandey & AK Sen, Springer, Singapore, pp 3-6 (2018)
171. Introduction to sustainable energy and transportation- Sustainability technologies and policy, JG Gupta, S De, A Gautam, A Dhar & Ashok Pandey, In- *Sustainable Energy and Transportation- Sustainability Technologies and Policy*, Editors- A Gautam, S De, A Dhar, JG Gupta & Ashok Pandey, Springer, Singapore, pp 3-7 (2018)
172. Introduction to water remediation: Importance and methods, S Bhattacharya, AB Gupta, A Gupta & Ashok Pandey, In- *Water Remediation*, Editors- S Bhattacharya, AB Gupta, A Gupta & Ashok Pandey, Springer, Singapore, pp 3-8 (2018)
173. Development of an integrated dilute acid lime pretreatment of chili post harvest residue for bioethanol production, R Sindhu, A Antony, P Binod, E Gnansounou, Ashok Pandey, AK Mathew & A Abraham, In- *Proceedings of the International Conference on Sustainable Energy and Environmental Challenges* (SEEC-2018), December 31, 2017– January 3, 2018, Indian Institute of Science, Bangalore, India, pp 306-309 (2018)
174. Biomass derived HMF oxidation with various oxidants, S Saravanamurugam, Ashok Pandey & RS Sangwan, In- *Biofuels- Technology, Challenges and Prospects*, Editors- AK Agarwal, RA Agarwal, T Gupta & BR Gurjar, Springer, Singapore, pp, 51-68 (2017)
175. Sustainable production of chemicals and energy fuel precursors from lignocellulosic fractions, B Agarwal, V Ahluwalia, Ashok Pandey, RS Sangwan & S Elumalai, In- *Biofuels- Technology, Challenges and Prospects*, Editors- AK Agarwal, RA Agarwal, T Gupta & BR Gurjar, Springer, Singapore, pp 7-34 (2017)
176. Solid-state fermentation, Reeta Rani Singhania, AK Patel, L Thomas & Ashok Pandey, In- *Industrial Biotechnology- Products and Processes*, Editors: C Wittmann & JC Liao; Vol 4, Wiley-VCH, Weinheim, Germany, pp 187-204 (2017)
177. Bioethanol production from lignocellulosics, R Sindhu, Ashok Pandey & P Binod, In- *Biofuels: Production and Future Perspectives*, Editors- RS Singh, Ashok Pandey & Edgard Gnansounou, Taylor & Francis, CRC Press, Boca Raton, USA, pp 237-254 (2017)
178. Classification of biorefineries taking into account sustainability potentials and flexibility, E Gnansounou & Ashok Pandey, In- *Life-cycle Assessment of Biorefineries*, Editors- E Gnansounou & Ashok Pandey, Elsevier, Amsterdam, The Netherlands, pp 1-40 (2017)
179. Antileishmanial biocompound screening, F Vitola, R Fendrich, CR Soccol, D Guedes, Ashok Pandey & VT Soccol, In- *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume IX: *Human and Animal Health Applications*, Volume Editors: VT Soccol, Ashok Pandey & R Resende, Elsevier, Amsterdam, The Netherlands, pp 563-594 (2017)

180. Industrial and therapeutic enzymes- Alpha amylases, R Sindhu, P Binod & Ashok Pandey, In- *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume VII: *Production, Isolation and Purification of Industrial Products*, Volume Editors- Ashok Pandey, S Negi & CR Soccol, Elsevier, Amsterdam, The Netherlands, pp 3-24 (2017)
181. Industrial and therapeutic enzymes- Cellulases, Reeta Rani Singhania, M Adsul, Ashok Pandey & AK Patel, In- *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume VII: *Production, Isolation and Purification of Industrial Products*, Volume Editors- Ashok Pandey, S Negi & CR Soccol, Elsevier, Amsterdam, The Netherlands, pp 73-102 (2017)
182. Industrial and therapeutic enzymes- Beta glucosidases, Reeta Rani Singhania, AK Patel, R saini & Ashok Pandey, In- *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume VII: *Production, Isolation and Purification of Industrial Products*, Volume Editors- Ashok Pandey, S Negi & CR Soccol, Elsevier, Amsterdam, The Netherlands, pp 103-126 (2017)
183. Industrial and therapeutic enzymes- Xylanases, L Thoas, A Joseph, Reeta Rani Singhania, AK Patel & Ashok Pandey, In- *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume VII: *Production, Isolation and Purification of Industrial Products*, Volume Editors- Ashok Pandey, S Negi & CR Soccol, Elsevier, Amsterdam, The Netherlands, pp 127-148 (2017)
184. Industrial and therapeutic enzymes- L-Asparaginases, J Vidya, S Sajitha, MV Ushasree, P Binod & Ashok Pandey, In- *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume VII: *Production, Isolation and Purification of Industrial Products*, Volume Editors- Ashok Pandey, S Negi & CR Soccol, Elsevier, Amsterdam, The Netherlands, pp 249-266 (2017)
185. Industrial and therapeutic enzymes- Phytases, MV Ushasree, J Vidya & Ashok Pandey, In- *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume VII: *Production, Isolation and Purification of Industrial Products*, Volume Editors- Ashok Pandey, S Negi & CR Soccol, Elsevier, Amsterdam, The Netherlands, pp 309-334 (2017)
186. Industrial and therapeutic enzymes- Chitinases, N Karthik, P Binod & Ashok Pandey, In- *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume VII: *Production, Isolation and Purification of Industrial Products*, Volume Editors- Ashok Pandey, S Negi & CR Soccol, Elsevier, Amsterdam, The Netherlands, pp 335-368 (2017)
187. Organic acids- Gluconic acid, S Ramachandran, S Nair, C Larroche & Ashok Pandey, In- *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume VII: *Production, Isolation and Purification of Industrial Products*, Volume



- Editors- Ashok Pandey, S Negi & CR Soccol, Elsevier, Amsterdam, The Netherlands, pp 577-600 (2017)
188. Production and application of 1,3 propanediol, N Vivek, Ashok Pandey & P Binod, In- *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume VII: *Production, Isolation and Purification of Industrial Products*, Volume Editors- Ashok Pandey, S Negi & CR Soccol, Elsevier, Amsterdam, The Netherlands, pp 719-738 (2017)
189. Biodegradation of biopolymers, NR Nair, VC Sekhar, KM Nampoothiri & Ashok Pandey, In- *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume VII: *Production, Isolation and Purification of Industrial Products*, Volume Editors- Ashok Pandey, S Negi & CR Soccol, Elsevier, Amsterdam, The Netherlands, pp 739-756 (2017)
190. Design and types of bioprocesses, R Sindhu, Ashok Pandey & P Binod, In- *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume VI: *Bioprocesses, Bioreactors and Controls*, Volume Editors: C Larroche, MA Sanroman, GC Du & Ashok Pandey, Elsevier, Amsterdam, The Netherlands, pp 29-41 (2017)
191. Biotechnology for agricultural wastes recycling, Reeta Rani Singhania, AK Patel & Ashok Pandey, In- *Current Developments in Biotechnology and Bioengineering*, Series Editor-in-chief: Ashok Pandey, Volume V: *Solid Waste Management*, Volume Editors- JCW Wong, RD Tyagi & Ashok Pandey, Elsevier, Amsterdam, The Netherlands, pp 223-240 (2017)
192. Production, purification, and application of microbial enzymes, AK Patel, Reeta Rani Singhania & Ashok Pandey, In- *Biotechnology of Microbial Enzymes, Production, Biocatalysis and Industrial Applications*, Editors- G Brahmachari, AL Demain & JL Adrio, pp 13-41 (2017)
193. Microalgae: A Sustainable Source of Biofuel, M Arumugam & Ashok Pandey, In- *Energy, Combustion and Propulsion – New Perspectives*, Editors- AK Agarwal, SK Aggarwal, AK Gupta, A Kushari & Ashok Pandey, Athena Academic, London, UK; pp 147-164 (2016)
194. Biocatalysis, LM. Pera, MD Baigori, Ashok Pandey & GR Castro, In- *Industrial Biorefineries and White Biotechnology*, Editors: Ashok Pandey, R Hofer, MJ Taherzadeh, KM Nampoothiri & C Larroche, Elsevier, Waltham, USA; pp 391-408 (2015)
195. Industrial Enzymes, Reeta R. Singhania, AK. Patel, L Thomas, M Goswami, BS. Giri & Ashok Pandey, In- *Industrial Biorefineries and White Biotechnology*, Editors- Ashok Pandey, R Hofer, MJ Taherzadeh, KM Nampoothiri & C Larroche, Elsevier, Waltham, USA; pp 473-498 (2015)
196. White Biotechnology in Biosurfactants, KV Sajna, R Höfer, RK Sukumaran, LD Gottumukkala & Ashok Pandey, In- *Industrial Biorefineries and White Biotechnology*, Editors- Ashok Pandey, R Hofer, MJ Taherzadeh, KM Nampoothiri & C Larroche, Elsevier, Waltham, USA; pp 499-522 (2015)
197. Microbial Poly-3-Hydroxybutyrate and Related Copolymers, R Sindhu, P Binod & Ashok Pandey, , In- *Industrial Biorefineries and White Biotechnology*, Editors- Ashok Pandey, R Hofer, MJ Taherzadeh, KM Nampoothiri & C Larroche, Elsevier, Waltham, USA; pp 575-606 (2015)

198. White Biotechnology in Cosmetics, KV Sajna, LD Gottumukkala, RK Sukumaran & Ashok Pandey, In- *Industrial Biorefineries and White Biotechnology*, Editors- Ashok Pandey, R Hofer, MJ Taherzadeh, KM Nampoothiri & C Larroche, Elsevier, Waltham, USA; pp 607-652 (2015)
199. Advances in thermochemical conversion of biomass- Introduction, T Bhaskar & Ashok Pandey, In- *Advances in Thermochemical Conversion of Biomass*, Editors- Ashok Pandey, T Bhaskar, M Stocker & RK Sukumaran, Elsevier, Waltham, USA; pp 3-30 (2015)
200. Alkaline Treatment-Pretreatment of Biomass: Processes and Technologies- Lignocellulose, R Sindhu, Ashok Pandey & P Binod, In- *Pretreatment of Biomass: Processes and Technologies*, Editors- Ashok Pandey, S Negi, P Binod & C Larroche, Elsevier, UK, pp 51-60 (2015)
201. Introduction-Pretreatment of Biomass: Processes and Technologies- Lignocellulose, P Binod & Ashok Pandey, In- *Pretreatment of Biomass: Processes and Technologies*, Editors- Ashok Pandey, S Negi, P Binod & C Larroche, Elsevier, UK, pp 3-6 (2015)
202. Solid-state fermentation, Reeta Rani Singhanian, AK Patel & Ashok Pandey, Virtual Learning Environment, Institute of Lifelong Learning, University of Delhi, Industrial Microbiology, pp 1-18 (2015) <http://vle.du.ac.in/mod/resource/view.php?id=13086>
203. Submerged fermentation, Reeta Rani Singhanian, AK Patel & Ashok Pandey, Virtual Learning Environment, Institute of Lifelong Learning, University of Delhi, Industrial Microbiology, pp 1-26 (2015) <http://vle.du.ac.in/mod/resource/view.php?id=13086>
204. Biofuels from biomass, AK Patel, Reeta Rani Singhanian & Ashok Pandey, In- *Novel Combustion Concepts for Sustainable Energy Development*, Editors- AK Agarwal, Ashok Pandey, AK Gupta, SK Aggarwal & A Kushari, Springer, New Delhi, India, pp 25-44 (2014) ISBN: 978-81-322-2210-1
205. Introduction-Novel Combustion Concepts for Sustainable Energy Development, AK Agarwal, SK Aggarwal, AK Gupta, A Kushari & Ashok Pandey, In- *Novel Combustion Concepts for Sustainable Energy Development*, Editors- AK Agarwal, Ashok Pandey, AK Gupta, SK Aggarwal & A Kushari, Springer, New Delhi, India, pp 3-7 (2014) ISBN: 978-81-322-2210-1
206. Enterobacteriaceae, Coliforms and *E. Coli*: Introduction, AK Patel, RR Singhanian, Ashok Pandey, VK Joshi, PS Nigam & CR Soccol, In- *Encyclopedia of Food Microbiology*, Volume I, Editors- CA Batt & MI Tortorello, Elsevier Ltd, Academic Press, pp. 659–666 (2014) ISBN: 978-012-384-7300
207. Advances in lignocellulose bioethanol, Reeta Rani Singhanian, P Binod & Ashok Pandey, In- *Bioprocessing Technologies in Biorefineries for Sustainable Production of Fuels, Chemicals, and Polymers*, Editors- ST Yang, HA El-Enshasy & N Thongchul, John Wiley & Sons, New Jersey, USA, pp 193-204 (2013)
208. Bacterial xylanases: production, purification and applications, Leya Thomas & Ashok. Pandey, In: *Advances in Industrial Biotechnology*, Editors- RS Singh, A Pandey, C Larroche, IK International Publishers, New Delhi, India, pp 77–97 (2013)
209. Biorefinery concept applied to valorization of agro-food coproducts and wastes: Integrated process for waste recycling and effluent treatment, CR Soccol, SG Karp, PF de Siqueira, CTN Sanada, VT

- Soccol & Ashok Pandey, In- *Fermentation Processes Engineering in Food Industry*, Editors- CR Soccol, Ashok Pandey & C Larroche, CRC Press, Taylor & Francis, Boca Raton, USA, pp 429-463 (2013)
- 210.Upstream operations of fermentation processes, P Binod, R Sindhu & Ashok Pandey, In- *Fermentation Processes Engineering in Food Industry*, Editors- CR Soccol, Ashok Pandey & C Larroche, CRC Press, Taylor & Francis, Boca Raton, USA, pp 75-88 (2013)
- 211.LD Gottumukkala, KP Rajasree, RR Singhanian, CR Soccol & Ashok Pandey (2013), Solid-State Fermentation: Current Trends and Future Prospects, In: *Fermentation Microbiology and Biotechnology*, EMT El-Mansi, CEA Bryce, B Dahhou, S Sanchez, AL Demain, AR Allman (eds), CRC Press, New York, USA, pp 403-416
- 212.Alternative energy – the role and scope of biotechnological interventions for developing biofuels, Reeta Rani Singhanian & Ashok Pandey, In-*Business Guide Germany-India 2012*, 4<sup>th</sup> Edition, Editor- Oliver Lorenz, Wegweiser, Germany, pp 146-147 (2012)
- 213.Butanol fuel from biomass: Revisiting ABE fermentation, RK Sukumaran, LD Gottumukkala, KP Rajasree, D Alex & Ashok Pandey, In- *Biofuels-Alternative Feedstocks and Conversion Processes*, Editors- Ashok Pandey, C Larroche, SC Ricke, CG Dussap & E Gnansounou, Academic Press, Elsevier Inc; San Diego, USA Ch 25, pp 571-586 (2011)
- 214.Hydrolysis of lignocellulosic biomass, for bioethanol production, P Binod, KU Janu, R Sindhu & Ashok Pandey, In-*Biofuels- Alternative Feedstocks and Conversion Processes*, Editors- Ashok Pandey, C Larroche, SC Ricke, CG Dussap & E Gnansounou, Academic Press, Elsevier Inc; San Diego, USA, Ch10, pp229-250 (2011)
- 215.Lignocellulosic bioethanol: Current status and future perspectives, CR Soccol, V Faraco, S Karp, LPS Vandenberghe, VT Soccol, A Woiciechowski & Ashok Pandey, In- *Biofuels- Alternative Feedstocks and Conversion Processes*, Editors- Ashok Pandey, C Larroche, SC Ricke, CG Dussap & E Gnansounou, Academic Press, Elsevier Inc; San Diego, USA, Ch 5, pp101-122 (2011)
- 216.Microalgae production in cassava wastewater, JC de Carvalho, CR Soccol, A Walter, V Ghiggi, I Borghetti & Ashok Pandey, In- *Advances in Bioprocesses in Food Industry*, Volume IV, Editors- CR Soccol, Ashok Pandey, VT Soccol & C Larroche, Asiatech Publishers, Inc., New Delhi, Ch 10, pp 163-177 (2011)
- 217.Citric pulp and sub-products of the citric juice industry used as substrates in bioprocesses, C Rodrigues, SC Rossi, MR Spier, ABP Medeiros1, LPS Vandenberghe, VT Soccol, Ashok Pandey & CR Soccol, In- *Advances in Bioprocesses in Food Industry*, Volume IV, Editors- CR Soccol, Ashok Pandey, VT Soccol & C Larroche, Asiatech Publishers, Inc., New Delhi, Ch 7, pp121-135 (2011)
- 218.Potential of probiotics in the food industry, JL Parada, CR Soccol, LA da Costa & Ashok Pandey, In- *Advances in Bioprocesses in Food Industry*, Volume IV, Editors- CR Soccol, Ashok Pandey, VT Soccol & C Larroche, Asiatech Publishers, Inc., New Delhi, Ch 6, pp 94-120 (2011)

219. Production of food-grade pigments, S Babitha, CR Soccol & Ashok Pandey, In: *Comprehensive Food Fermentation Biotechnology*, Editors- Ashok Pandey, CR Soccol, C Larroche, E Gnansounou & P Nigam, Vol II, Ch 22, Asiatech Publishers Inc, New Delhi, pp 723-738 (2010)
220. Production of vitamins, P Binod, R Sindhu, CR Soccol & Ashok Pandey, In: *Comprehensive Food Fermentation Biotechnology*, Editors- Ashok Pandey, CR Soccol, C Larroche, E Gnansounou & P Nigam, Vol II, Ch 18, Asiatech Publishers Inc, New Delhi, pp 586-607 (2010)
221. Fermented functional foods, MR Spier, S Habu, VT Soccol, AL Wicieczowski, Ashok Pandey & CR Soccol, In: *Comprehensive Food Fermentation Biotechnology*, Editors- Ashok Pandey, CR Soccol, C Larroche, E Gnansounou & P Nigam, Vol II, Ch 16, Asiatech Publishers Inc, New Delhi, pp 519-552 (2010)
222. Industrial ethanol production, P Binod, Reeta Rani Singhania, E Gnansounou, GR Castro & Ashok Pandey, In: *Comprehensive Food Fermentation Biotechnology*, Editors- Ashok Pandey, CR Soccol, C Larroche, E Gnansounou & P Nigam, Vol II, Ch 13, Asiatech Publishers Inc, New Delhi, pp 444-465 (2010)
223. Microbial lipids, SU Ahmed, GR Castro, CR Soccol, VT Soccol, C Larroche & Ashok Pandey, In: *Comprehensive Food Fermentation Biotechnology*, Editors- Ashok Pandey, CR Soccol, C Larroche, E Gnansounou & P Nigam, Vol II, Ch 7, Asiatech Publishers Inc, New Delhi, pp 224-255 (2010)
224. Fermented fruits and vegetables, LPS Vandenberghe, ABP Medeiros, Ashok Pandey & CR Soccol, In: *Comprehensive Food Fermentation Biotechnology*, Editors- Ashok Pandey, CR Soccol, C Larroche, E Gnansounou & P Nigam, Vol II, Ch 4, Asiatech Publishers Inc, New Delhi, pp 83- 108 (2010)
225. Predictive microbiology for safe food production, AC Portella, AL Woicieczowski, JL Parada, Ashok Pandey & CR Soccol, In: *Comprehensive Food Fermentation Biotechnology*, Editors- Ashok Pandey, CR Soccol, C Larroche, E Gnansounou & CG Dussap, Vol I, Ch 11, Asiatech Publishers Inc, New Delhi, pp 316-343 (2010)
226. Lactic acid bacteria as starters, JL Parada, CT Yamaguishi, Ashok Pandey & CR Soccol, In: *Comprehensive Food Fermentation Biotechnology*, Editors- Ashok Pandey, CR Soccol, C Larroche, E Gnansounou & CG Dussap, Vol I, Ch 2, Asiatech Publishers Inc, New Delhi, pp 46-88 (2010)
227. Banana flavor: insights into isoamyl acetate production, S Torres, Ashok Pandey & GR Castro, In: *Bananas: Nutrition, Diseases and Trade Issues*, Alisa E Cohen (ed), Nova Publishers, New York, USA, pp 225-244 (2010) ISBN: 978-1-61761-124-7
228. The industrial production of enzymes, Reeta Rani Singhania, AK Patel & Ashok Pandey, In: *Industrial Biotechnology*, W Soetaert & EJ Vandamme (eds), Wiley-VCH Verlag, Weinheim, Germany, pp 207-226 (2010)
229. Lactic acid fermentation: Direct, RP John, GS Anisha, KM Nampoothiri & Ashok Pandey, In: *Encyclopedia of Biotechnology in Agriculture and Food*, DR Heldman, A Bridges, D Hoover & MB Wheeler (eds), Taylor & Francis, New York, pp 355-359 (2010)

230. Biotechnological development of a coconut water probiotic beverage, CR Soccol, FC Prado, Ashok Pandey, ABP Medeiros, LPS Vandenberghe & VT Soccol, In: *Current Topics on Bioprocesses in Food Industry*, Volume III, LV Rao, Ashok Pandey, C Larroche, CR Soccol & CG Dussap (eds), Asiatech Publishers, Inc., New Delhi, pp 49-57 (2010)
231. Technological challenges in the production and application of cellulases for lignocellulosic bioethanol production, RK Sukumaran, KP Rajasree, Reeta Rani Singhania, A Mathew, Lalitha Devi G, KU Janu, K Satyanagalakshmi, KV Sajna, N Kurian, VJ Surender, P Binod, R Sindhu & Ashok Pandey, In: *Proceedings of International Symposium on Bioenergy*, Indian Institute of Technology, Kharagpur, India, pp 56-62 (2010)
232. Solid-state fermentation technology for bioconversion of biomass and agricultural residues, P Nigam & Ashok Pandey, In- *Biotechnology for Agro-industrial residues utilization*, P Nigam & Ashok Pandey (eds), Springer, USA, Ch 10, pp 197-221 (2009)
233. Bioprocess technology and product development, P Binod & Ashok Pandey, In- *Bioprocess and Bioproducts: Technology Trends and Opportunities*, S Biswas, N Kaushik & A Pandey (eds), Asiatech Publishers, Inc., New Delhi, pp 10-29 (2009)
234. Ethanol from biomass, RK Sukumaran & Ashok Pandey, In- *Bioprocess & Bioproducts- Emerging Trends*, Editors- S Biswas, PR Basak, N Kaushik, TIFAC, New Delhi, pp 13-26 (2008)
235. Industrial enzymes for bioethanol from lignocelluloses- Cellulases, RK Sukumaran & Ashok Pandey, In- *Bioprocess & Bioproducts- Emerging Trends*, Editors- S Biswas, PR Basak, N Kaushik, TIFAC, New Delhi, pp 85-103 (2008)
236. Plant-based biofuels: An introduction, Reeta Rani Singhania, P Binod & Ashok Pandey, In- *Handbook of Plant-Based Biofuels*, Editor- A Pandey, CRC Press, Francis & Taylors, Boca Raton, USA, pp 3-12 (2008)
237. Bioethanol from starchy biomass: Part I- Production of starch saccharifying enzymes, SU Nair, Sumitra Ramachandran & Ashok Pandey, In- *Handbook of Plant-Based Biofuels*, Editor- A Pandey, CRC Press, Francis & Taylor's, Boca Raton, USA, pp 87-104 (2008)
238. Solid-state fermentation, JA Rodríguez León, CR Soccol, Reeta Rani Singhania, Ashok Pandey, W Sturm, LA Jr Letti, LPS Vandenberghe & DE Rodríguez Fernández, In- *Advances in Fermentation Technology*, A Pandey, C Larroche, CR Soccol & CG Dussap (eds), Asiatech Publishers, Inc, New Delhi, India, pp 539-554 (2008)
239. Production of mushrooms, L Fan, CR Soccol, Ashok Pandey & H Pan, In- *Advances in Fermentation Technology*, A Pandey, C Larroche, CR Soccol & CG Dussap (eds), Asiatech Publishers, Inc, New Delhi, India, pp 429-447 (2008)
240. Industrial enzymes, P Binod, Reeta Rani Singhania, CR Soccol & Ashok Pandey, In- *Advances in Fermentation Technology*, A Pandey, C Larroche, CR Soccol & CG Dussap (eds), Asiatech Publishers, Inc, New Delhi, India, pp 291-320 (2008)
241. Microbial aminopeptidases and their application in food processing, KM Nampoothiri, R Rahulan & Ashok Pandey, In- *Recent Research Developments in Food Biotechnology: Enzymes as Additives*

- or Processing Aids, R Porta, P Di Pierro & L Mariniello (eds), Research Signpost, Trivandrum, India, pp 55-84 (2008)
242. Biotechnological potential of crop residues for developing bioprocess, Reeta Rani Singhania & Ashok Pandey, In- *Genome Characterization-Basics and Applications*, V Padmaja (ed), Aavishkar Publishers, Jaipur, pp 19-33 (2007) ISBN: 978-81-7910-195-7
243. Mycoremediation, MSM Annuar, S Vikineswary, A Noorlidah, M Sekaran, Ashok Pandey & EBG Jones, In: *Malaysian Fungal Diversity* (EBG Jones, KD Hyde & S Vikineswary (eds), Mushroom Research Centre, University of Malaya and Ministry of Natural Resources and Environment, Malaysia, pp 319-332 (2007)
244. Microbial chitinases: Effective biocontrol agents, C Sandhya, P Binod & Ashok Pandey, In- *Biological Control of Plant Diseases*, SB Chincholkar & KG Mukerji (eds), Haworth Food & Agricultural Products Press, New York, USA, pp 379-400 (2007)
245. Introduction, Ashok Pandey, CR Soccol & C Larroche, In- *Current Developments in Solid-state Fermentation*, A Pandey, CR Soccol & C Larroche (eds), Springer Science, New York, USA & Asiatech Publishers, Inc, New Delhi, India, pp 3-12 (2007)
246. General considerations about solid-state fermentation processes, Ashok Pandey, C Larroche & CR Soccol, In- *Current Developments in Solid-state Fermentation*, A Pandey, CR Soccol & C Larroche (eds), Springer Science, New York, USA & Asiatech Publishers, Inc, New Delhi, India, pp 13-25 (2007)
247. Factors affecting solid-state fermentation, JA Rodriguez-Leon, CR Soccol, Ashok Pandey & DE Rodriguez, In- *Current Developments in Solid-state Fermentation*, A Pandey, CR Soccol & C Larroche (eds), Springer Science, New York, USA & Asiatech Publishers, Inc, New Delhi, India, pp 26-47 (2007)
248. Kinetics in solid-state fermentation, JA Rodriguez-Leon, CR Soccol, Ashok Pandey & DE Rodriguez, In- *Current Developments in Solid-state Fermentation*, A Pandey, CR Soccol & C Larroche (eds), Springer Science, New York, USA & Asiatech Publishers, Inc, New Delhi, India, pp 48-73 (2007)
249. Production of enzymes, SK Singh, G Szakacs, CR Soccol & Ashok Pandey, In- *Current Developments in Solid-state Fermentation*, A Pandey, CR Soccol & C Larroche (eds), Springer Science, New York, USA & Asiatech Publishers, Inc, New Delhi, India, pp 181-204 (2007)
250. Production of organic acids, CR Soccol, LPS Vandenberghe, C Rodrigues, ABP Mediros, C Larroche & Ashok Pandey, In- *Current Developments in Solid-state Fermentation*, A Pandey, CR Soccol & C Larroche (eds), Springer Science, New York, USA & Asiatech Publishers, Inc, New Delhi, India, pp 205- 229 (2007)
251. Production of spores in SSF, Sumitra Ramachandran, C Larroche & Ashok Pandey, In- *Current Developments in Solid-state Fermentation*, A Pandey, CR Soccol & C Larroche (eds), Springer Science, New York, USA & Asiatech Publishers, Inc, New Delhi, India, pp 230-252 (2007)

252. Mushroom production, L Fan, CR Soccol & Ashok Pandey, In- *Current Developments in Solid-state Fermentation*, A Pandey, CR Soccol & C Larroche (eds), Springer Science, New York, USA & Asiatech Publishers, Inc, New Delhi, India, pp 253-274 (2007)
253. Production of pigments, JC de Carvalho, CR Soccol, S Babitha, Ashok Pandey & AL Woiciechowski, In- *Current Developments in Solid-state Fermentation*, A Pandey, CR Soccol & C Larroche (eds), Springer Science, New York, USA & Asiatech Publishers, Inc, New Delhi, India, pp 337-355 (2007)
254. Production of aroma compounds, CR Soccol, ABP Medeiros, LPS Vandenberghe, M Soares & Ashok Pandey, In- *Current Developments in Solid-state Fermentation*, A Pandey, CR Soccol & C Larroche (eds), Springer Science, New York, USA & Asiatech Publishers, Inc, New Delhi, India, pp 356-378 (2007)
255. Application of tropical agro-industrial residues as substrates for solid-state fermentation processes, Reeta Rani Singhania, CR Soccol & Ashok Pandey, In- *Current Developments in Solid-state Fermentation*, A Pandey, CR Soccol & C Larroche (eds), Springer Science, New York, USA & Asiatech Publishers, Inc, New Delhi, India, pp 412-442 (2007)
256. Natural food colorants from *Monascus purpureus*, S Babitha, C Sandhya, JC Carvalho, CR Soccol & Ashok Pandey, In- *Current Topics on Bioprocesses in Food Industry*, C Larroche, A Pandey & CG Dussap (eds), Asiatech Publishers, Inc, New Delhi, pp 186-196 (2006)
257. Production of bio-additives for food industry from agro-industrial residues, CR Soccol, Ashok Pandey, ABP Medeiros, LPS Vandenberghe, JC Cavalho & AL Woiciechowski, In- *Current Topics on Bioprocesses in Food Industry*, C Larroche, A Pandey & CG Dussap (eds), Asiatech Publishers, Inc, New Delhi, pp 128-140 (2006)
258. Process developments in solid-state fermentation for food applications, Ashok Pandey & Sumitra Ramachandran, In- *Food Biotechnology*, 2<sup>nd</sup> edition, K Shetty, G Paliyath, A Pometto & RE Levin (eds), Taylor & Francis, New York, pp 87-110 (2005)
259. Vistas of fermentation technology for value addition of sugar industry by-products, KM Nampoothiri, Sumitra Ramachandran, AK Patel, K Roopesh, CR Soccol & Ashok Pandey, In- *Sugar Cane: Production Management and Agro-Industrial Imperatives*, S Solomon, SS Grewal, Y Li, RC Magarey & GP Rao (eds), International Book Distribution Co, Lucknow, pp 743-757 (2005)
260. L-glutaminase as therapeutic enzyme of microbial origin, A Sabu, KM Nampoothiri & Ashok Pandey, In- *Microbial enzymes and biotransformations*, JL Barredo (ed), Humana Press, USA, pp 75-90 (2005)
261. Microbial proteases, C Sandhya, KM Nampoothiri & Ashok Pandey, In- *Microbial Enzymes and Biotransformations*, JL Barredo (ed), Humana Press, USA, pp 165-180 (2005)
262. Role of glucoamylase in Biotechnology, C Sandhya & Ashok Pandey, In- *Microbial Diversity: Current Perspectives and Potential Applications*, T Satyanarayana & BN Johry (eds), IK International Publishers, New Delhi, pp 679-694 (2005), ISBN: 81-88237-43-4
263. Cellulase production using cassava bagasse as a substrate, Reeta Rani Singhania, RK Sukumaran & Ashok Pandey, In- *Root and Tuber Crops, Post-harvest Management and Value Addition*, G Padmaja,

- T Premkumar, S Edison and Bala Nambisan (eds), Published by CTCRI, Trivandrum, pp 247-251 (2005)
264. Cassava bagasse- an inexpensive carbon source for L(+) lactic acid production using mixed culture of lactobacilli, RP John, KM Nampoothiri & Ashok Pandey, In- *Root and Tuber Crops, Post-harvest Management and Value Addition*, G Padmaja, T Premkumar, S Edison and Bala Nambisan (eds), Published by CTCRI, Trivandrum, pp 242-246 (2005)
265. Therapeutic enzymes, KM Nampoothiri, A Sabu & Ashok Pandey, In- *Enzyme Technology*, A Pandey, C Webb, CR Soccol & C Larroche (eds), Asiatech Publishers, Inc., New Delhi, pp 697-708 (2004)
266. Chitinase, P Binod, C Sandhya, Ashok Pandey & CR Soccol, In- *Enzyme Technology*, A Pandey, C Webb, CR Soccol & C Larroche (eds), Asiatech Publishers, Inc., New Delhi, pp 433-448 (2004)
267. Phytase, K Roopesh, Sumitra Ramachandran, CR Soccol and Ashok Pandey, In- *Enzyme Technology*, A Pandey, C Webb, CR Soccol & C Larroche (eds), Asiatech Publishers, Inc., New Delhi, pp 359-380 (2004)
268. Inulinase, C Sandhya & Ashok Pandey, In- *Enzyme Technology*, A Pandey, C Webb, CR Soccol & C Larroche (eds), Asiatech Publishers, Inc., New Delhi, pp 347-358 (2004)
269. Protease, C Sandhya, A Sumantha & Ashok Pandey, In- *Enzyme Technology*, A Pandey, C Webb, CR Soccol & C Larroche (eds), Asiatech Publishers, Inc., New Delhi, pp 319-332 (2004)
270. Glucoamylase: CR Soccol, PJ Rojan, AK Patel, AL Woiciechowski, LPS Vandenberghe & Ashok Pandey, In- *Enzyme Technology*, A Pandey, C Webb, CR Soccol & C Larroche (eds), Asiatech Publishers, Inc., New Delhi, pp 221-238 (2004)
271. General Introduction, Ashok Pandey & Sumitra Ramachandran, In- *Enzyme Technology*, A Pandey, C Webb, CR Soccol & C Larroche (eds), Asiatech Publishers, Inc., New Delhi, pp 1-10 (2004)
272. L-glutaminase as a therapeutic enzyme of microbial origin, A Sabu, KM Nampoothiri & Ashok Pandey, In- *Methods in Biotechnology, Vol. 17: Microbial Enzymes and Biotransformation* JL Barredo (ed), Humana Press Inc, Totowa, NJ, pp 75-90 (2004)
273. Microbial proteases, C Sandhya, KM Nampoothiri & Ashok Pandey, In- *Methods in Biotechnology, Vol. 17: Microbial Enzymes and Biotransformation*, JL Barredo (ed), Humana Press Inc, Totowa, NJ, 181-195 (2004)
274. Biotechnology in India, Ashok Pandey, KM Nampoothiri & R Banerjee In- *Biotechnological Advances and Applications in Bioconversion of Renewable Raw Materials*, R Jonas, A Pandey & G Tharun (eds), Doehring Druck, Braunschweig, Germany, pp. 53-56 (2004)
275. Microbial degradation of caffeine and tannins present in coffee husk under solid-state fermentation, D Brand, Ashok Pandey, JA Rodriguez-Leon, S Roussos, I Brand & CR Soccol, In- *Biotechnological Advances and Applications in Bioconversion of Renewable Raw Materials*, R Jonas, A Pandey & G Tharun (eds), Doehring Druck, Braunschweig, Germany, pp 102-107 (2004)
276. Physical and nutritional factors influencing gibberellic acid production by solid-state fermentation using coffee husk and cassava bagasse, CMM Machado, CR Soccol, BH. Oliveira & Ashok Pandey,



- In-*Biotechnological Advances and Applications in Bioconversion of Renewable Raw Materials*, R Jonas, A Pandey & G Tharun (eds), Doehring Druck, Braunschweig, Germany, pp.157-162 (2004)
277. On-line monitoring of citric acid production in solid-state fermentation with cassava bagasse, LPS Vandenberghe, CR Soccol, Ashok Pandey & JM Lebeault, In- *Biotechnological Advances and Applications in Bioconversion of Renewable Raw Materials*, R Jonas, A Pandey & G Tharun (eds), Doehring Druck, Braunschweig, Germany, pp.210-212 (2004)
278. General aspects of solid-state fermentation, Ashok Pandey, F Francis, A Sabu & CR Soccol, *Concise Encyclopaedia of Bioresource Technology*, A Pandey (ed), Haworth Press, New York, USA, pp 702-708 (2004)
279. Organic acids: Production and application- Citric acid, CR Soccol, FC Prado, LPS Vandenberghe & Ashok Pandey, In- *Concise Encyclopaedia of Bioresource Technology*, A Pandey (ed), Haworth Press, New York, USA, pp 617-628 (2004)
280. Microbial enzymes: Production and applications- Phytases, C Krishna, Ashok Pandey & A Mohandas, *Concise Encyclopedia of Bioresource Technology*, A Pandey (ed), Haworth Press, New York, USA, pp 569-577 (2004)
281. Bioconversion of agro-industrial residues for bioprocesses- Coffee industry residues, CR Soccol & Ashok Pandey, *Concise Encyclopedia of Bioresource Technology*, A Pandey (ed), Haworth Press, New York, USA, pp 453-459 (2004)
282. Bioconversion of agro-industrial residues for bioprocesses- Cassava industry residues, CR Soccol & Ashok Pandey, *Concise Encyclopedia of Bioresource Technology*, A Pandey (ed), Haworth Press, New York, USA, pp 443-452 (2004)
283. Microbial phytase- a tool for enhanced phosphorus removal, KM Nampoothiri, K Begum, A Sabu, G Szakacs & Ashok Pandey, *In-Proceedings of Indo-Italian Workshop on Emerging Technologies for Industrial Wastewater Treatment and Environment*, L Szpyrkowicz, SN Kaul, NN Rao & DM Dharmadhikari (eds), NEERI, Nagpur, pp. 364-370 (2002)
284. Producao do cogumelo comestivel- *Flammulina velutipes* em casca e bora de cafe. L Fan, CR Soccol & Ashok Pandey. *Proceedings of I Symopsio de Pesquisa dos Cafes do Brasil*, Embrapa Cafe e MINASPLAN, Brazil, Vol I, pp 691-694 (2000)
285. Producao de cogumelo comestivel *Pleurotus* em casca de cafe e valiacao do grau de detoxificacao do substrato. Leifa Fan, Carlos Ricardo Soccol and Ashok Pandey. *Proceedings of I Symopsio de Pesquisa dos Cafes do Brasil*, Embrapa Cafe e MINASPLAN, Brazil, Vol. I, pp. 687-690 (2000)
286. Producao de goma xantana a partir de residuos da agroindustria do cafe. Adenise Lorenci Woiciechowski, Carlos R Soccol, Flavera Camargo and Ashok Pandey. *Proceedings of I Symopsio de Pesquisa dos Cafes do Brasil*, Embrapa Cafe e MINASPLAN, Brazil, Vol I, pp. 677-680 (2000)
287. Production of mushrooms on Brazilian coffee industry residues. F Leifa, Ashok Pandey and C R Soccol. In- *Coffee Biotechnology and Quality* (Eds., T Sera, C R Soccol, A Pandey and S Roussos), Kluwer Academic Publishers, Dordrecht, The Netherlands, 427-436 (2000)

288. Development of bioprocesses for the conservation, detoxification and value-addition of coffee pulp and coffee husk- Biopulca project. S Roussos, C Augur, I Perraud-Gaime, D L Pyle, G Saucedo-Castaneda, C R Soccol, Ashok Pandey, I Ferrao and M Raimbault. In- *Coffee Biotechnology and Quality* (Eds- T Sera, C R Soccol, A Pandey and S Roussos), Kluwer Academic Publishers, Dordrecht, The Netherlands, 377-392 (2000)
289. Evaluation of physical factors for the production of gibberellic acid by solid-state fermentation using coffee husk and cassava bagasse. Cristina M M Machado, Carlos R Soccol, Bras H Oliviera and Ashok Pandey, *Proceedings of XIII Brazilian Congress of Chemical Engineering & XIX Inter-American Congress of Chemical Engineering, Brazil* (2000)
290. Citric acid production in solid-state fermentation with cassava bagasse. Luciana P S Vandenberghe, Carlos R Soccol, Ashok Pandey and Jean-Michel Lebeault. *Proceedings of XIII Brazilian Congress of Chemical Engineering & XIX Inter-American Congress of Chemical Engineering, Brazil* (2000)
291. Bioconversion of sugarcane bagasse in solid-state fermentation by micro-organisms. Ashok Pandey, Poonam Nigam, Carlos R Soccol, P Selvakumar, Dalel Singh and Vanete T Soccol, In- *Microbial Biotechnology for Sustainable Developments*, (Ed. R C Rajak), Scientific Publishers (India), Jodhpur, 253-261 (2000)
292. Detoxificacao biologica da casca de café por fungos filamentosus em fermentacao no estado solido. Debora Brand, F. Kawata, Ashok Pandey, S. Roussos, Maria C. dos Santos and Carlos R. Soccol. *Anais III Seminario Internacional sobre Biotecnologia na Agroindustria Cafeeira*, T Sera, CR Soccol & S Roussos (Eds.), IAPAR, Londrina, Brazil, pp. 401-403 (1999)
293. Producao de acido citrico por *Aspergillus niger* LPB21 em fermentacao no estado solido casca de café. Luciana P. S. Vandenberghe, Ashok Pandey, Jean-Michael Lebeault and Carlos R Soccol. *Anais III Seminario Internacional sobre Biotecnologia na Agroindustria Cafeeira*, T Sera, CR Soccol & S Roussos (Eds.), IAPAR, Londrina, Brazil, pp. 389-392 (1999)
294. Producao de aroma frtal por *Ceratocystis fimbriata* em residuo solido de agroindustrias de café. M. Soares, P. Christen, Ashok Pandey, M. Raimbault and C. R. Soccol. *Anais III Seminario Internacional sobre Biotecnologia na Agroindustria Cafeeira*, T Sera, CR Soccol & S Roussos (Eds.), IAPAR, Londrina, Brazil, pp. 385-387 (1999)
295. Production of edible mushroom *Lentinus edodes* on the coffee spent ground. F Leifa, Ashok Pandey, CR Soccol & R Mohan. *Anais III Seminario Internacional sobre Biotecnologia na Agroindustria Cafeeira*, T Sera, CR Soccol & S Roussos (eds.), IAPAR, Londrina, Brazil, pp. 377-380 (1999)
296. Experiencia Brasileira na valorizacao biotecnologica de subprodutos da agroindustria do café, CR Soccol, F Leifa, AL Woiciechowski, D Brand, CMM Machado, M Soares, P Christen & Ashok Pandey, *Anais III Seminario Internacional sobre Biotecnologia na Agroindustria Cafeeira*, T Sera, CR Soccol & S Roussos (eds.), IAPAR, Londrina, Brazil, pp. 323-328 (1999)
297. Enterobacteriaceae, coliforms and *E. coli*. Ashok Pandey, VK Joshi, P Nigam & CR Soccol. In- *Encyclopaedia of Food Microbiology*, R Robinson, C Batt & P Patel (eds), ISBN: 0-12-227070-3, Academic Press, London, Vol. I, pp. 604-611 (1999)

298. Biotechnology: Food Fermentation, VK Joshi & Ashok Pandey, *In - Biotechnology: Food Fermentation*, VK Joshi & A Pandey (eds), Educational Publishers & Distributors, New Delhi, Vol. I, pp. 1-24 (1999)
299. Fermentation types and factors affecting it. Ashok Pandey, W Azmi, J Singh & UC. Banerjee. *In - Biotechnology: Food Fermentation*, VK Joshi & A Pandey (eds), Educational Publishers & Distributors, New Delhi, Vol. I, pp 383-426 (1999)
300. Fermentation technology for food industry waste utilization VK Joshi, Ashok Pandey & DK Sandhu. *In - Biotechnology: Food Fermentation*, VK Joshi & A Pandey (eds), Educational Publishers & Distributors, New Delhi, Vol. II, pp. 1291-1348 (1999)
301. Potential applications of cellulosic residues for the production of bulk chemicals and value added products, Ashok Pandey and Carlos R. Soccol, *In- Trends in Carbohydrate Chemistry*, (Eds. P. L. Soni & Vineet Kumar), Vol. 5, Surya International Publications, Dehradun, India, pp. 83-88 (1998)
302. Solid-state fermentation: An overview. Ashok Pandey. *In – Solid-State Fermentation*. (Ed. Ashok Pandey), Wiley Eastern Limited, New Delhi, India. pp. 3-10 (1994)
303. An integrated approach through science and technology for industrial development of the State utilizing its regional resources, Ashok Pandey and A. D. Damodaran. *Proceedings of Kerala Science Congress.*, 4, 336-338 (1992)
304. Towards a focus for biotechnology research in India and other developing countries - S & T policies and issues, S. Sureshkumar & Ashok Pandey. *Proceedings of VIII Carbohydrate Conference*, pp 128-132 (1992)
305. Bioconversion of agricultural biomass into value added products: The solid-state fermentation approach. Ashok Pandey & S Radhakrishnan, *Proceedings of Kerala Academy of Sciences*, 1, 69-79 (1990)

## REVIEW AND POLICY PAPERS

306. Enzymes for second generation biofuels: Recent developments and future perspectives, P Binod, E Gnansounou, R Sindhu & Ashok Pandey, *Bioresource Technology Reports* (2019)
307. Biotechnological potential of yeasts in functional food industry, AK Rai, Ashok Pandey & D Sahoo, *Trends in Food Science and Technology*, 83, 129-137 (2019) **IF 6.609**
308. Bioconversion of pentose sugars to value added chemicals and fuels: recent trends, challenges and possibilities, V Kumar, P Binod, R Sindhu, V Ahluwalia, Ashok Pandey & E Gnansounou, *Bioresource Technology*, 269, 443 – 451 (2018) **IF 5.807**
- 309.** Non-conventional yeast cell factories for sustainable bioprocesses, S Rebello, A Abraham, A Madhavan, R Sindhu, P Binod, Arun KB, EM Aneesh & Ashok Pandey, *FEMS Microbiology Letters*, 365, 1-10 (2018) **IF 1.735**
310. Fungal Nanobionics: Principles and Applications- Foreword, Ashok Pandey, Editors- R Prasad, V Kumar, M Kumar & Shanquan Wang, Springer Singapore, pp v-

vi (2018)

311. Preface - 1<sup>st</sup> International Conference on Bioresource Technology for Bioenergy, Bioproducts & Environmental Sustainability (BIORESTEC), Sitges, Spain, *Renewable Energy*, 129 (Part B), 677 (2018) **IF 4.90**
312. Preface, Special issue on Biotechnology for Waste Conversion- ETBWC-2017, Nagpur, India; Guest Editors – S Kumar, S Varjani & Ashok Pandey, *Indian Journal of Experimental Biology*, 56(7), 441 (2018) **IF 1.475**
- 313.** Biocatalytic strategies for the production of high fructose syrup from inulin, R.S.Singh, K Chauhan, Ashok Pandey & C Larroche, *Bioresource Technology*, 260, 395-403 (2018) **IF 5.807**
314. Applications of microbial enzymes in food industry, R Sindhu, P Binod, SB Ummalyma, A Abraham, AK Mathew, A Madhavan, S Rebello & Ashok Pandey, *Food Technology and Biotechnology*, 56(1), 16-30 (2018) **IF 1.168**
315. Preface, Special issue on the 7th International Forum on Industrial Bioprocessing - IFIBiop2017, May 21-24, 2017, Wuxi, China; Guest Editors- Ashok Pandey, GC Du, SP Singh & C Vial, *Food Technology and Biotechnology*, 56(1), 2 (2018) **IF 1.168**
- 316.** Algal Green Energy - R&D and technological perspectives for biodiesel production, R Rastogi, D Madamwar, C Larroche & Ashok Pandey, *Renewable & Sustainable Energy Reviews*, 82, 29-26-2969 (2018) **IF 9.184**
317. Carbon-increasing catalytic strategies for upgrading biomass into energy-intensive fuels and chemicals, H Li, A Riisager, S Saravanamurugan, Ashok Pandey, RS Sangwan, S Yang & R Luque, *ACS Catalysis*, 8(1), 148-187 (2018) **IF 11.384**
318. Microbial phytase: Impact of advances in genetic engineering in revolutionizing its properties and applications, MV Ushasree, K Shyam, J Vidya & Ashok Pandey, *Bioresource Technology*, 245, 1790-1799 (2017) **IF 5.807**
319. Genetic and metabolic engineering approaches for the production and delivery of L-asparaginases: an overview, J Vidya, S Sajitha, MV Ushasree, R Sindhu, P Binod, A Madhavan & Ashok Pandey, *Bioresource Technology*, 245, 1775-1781 (2017) **IF 5.807**
320. Recent developments in L-glutaminase production and applications - An overview, P Binod, R Sindhu, A Madhavan, A Abraham, AK Mathew, US Beevi, RK Sukumaran, SP Singh & Ashok Pandey, *Bioresource Technology*, 1766-1772 (2017) **IF 5.807**
321. Molecular improvements in microbial  $\alpha$ -amylases for enhanced stability and catalytic efficiency, R Sindhu, P Binod, A Madhavan, US Beevi, AK Mathew, A Abraham, Ashok Pandey & V Kumar, *Bioresource Technology*, 245, 1740-1748 (2017) **IF 5.807**
322. Prebiotic Oligosaccharides: Special Focus on Fructooligosaccharides, Its Biosynthesis and Bioactivity, SP Singh, JS Jadaun, LK Nirmolia & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 183(2), 613-615 (2017) **IF 1.78**

323. Metagenome Analysis: a Powerful Tool for Enzyme Bioprospecting, A Madhavan, R Sindhu, P Binod, RK Sukumaran & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 183(2), 636-651 (2017) **IF 1.78**
324. Genetic modification: A tool for enhancing beta-glucosidase production for biofuel application, Reeta Rani Singhanian, AK Patel, Ashok Pandey & E Ganansounou, *Bioresource Technology*, 245, 1352-1361 (2017) **IF 5.807**
325. Sustainable Biofuels Development in India- Foreword, Ashok Pandey, Editors- Anuj K. Chandel & Rajeev K. Sukumaran, Springer, Cham, Switzerland, pp vii-viii (2017)
326. Strategies for design of improved biocatalysts for industrial applications, A Madhavan, R Sindhu, P Binod, RK Sukumaran & Ashok Pandey, *Bioresource Technology*, 245, 1304-1313 (2017) **IF 5.807**
327. Microalgal hydrogen production – A review, W Khetkom, RP Rastogi, A Incharoensakdi, P Lindblad, D Madamwar, Ashok Pandey & C Larroche, *Bioresource Technology*, 243, 1194-1206 (2017) **IF 5.807**
328. Comprehensive review on toxicity of persistent organic pollutants from petroleum refinery waste and their degradation by microorganisms, Sunita J Varjani, E Ganansounou & Ashok Pandey, *Chemosphere*, 188, 280-291 (2017) **IF 4.208**
329. Trends in Industrial and Environmental Biotechnology, Preface, Special issue on International Conference on Current Trends in Biotechnology, Ashok Pandey, S Babu, KM Nampoothiri, CG Dussap & Samir Khanal, *Indian Journal of Experimental Biotechnology*, 55(7), 399-400 (2017) **IF 1.165**
330. Current Trends in Biotechnology (ICCB-2016), Preface, Guest Editors- Ashok Pandey, G Jayaraman, E Gnansounou, C Larroche & P Binod, *Indian Journal of Biotechnology*, 16(2), 151 (2017) **IF 0.287**
331. Recent advancements in the production and application of microbial pectinases: an overview, S Rebello, M Anju, EM Aneesh, R Sindhu, P Binod & Ashok Pandey, *Reviews in Environmental Science and Biotechnology*, 16, 381-394 (2017) **IF 4.40**
332. Bioflocculation: An alternative strategy for harvesting of microalgae - An overview, Ummalyma SB, E Gnansounou, RK Sukumaran, R Sindhu, Ashok Pandey & D Sahoo, *Bioresource Technology*, 242, 227-235(2017) **IF 5.807**
333. Recent advances in the production of value-added chemicals and lipids utilizing biodiesel industry generated crude glycerol as a substrate - Metabolic aspects, challenges and possibilities: An overview, N Vivek, R Sindhu, A Madhavan, AJ Anju, E Castro, V Faraco, Ashok Pandey & P Binod, *Bioresource Technology*, 239, 507-517(2017) **IF 5.807**
334. Water hyacinth a potential source for value addition: An overview, R Sindhu, P Binod, Ashok Pandey, A Madhavan, JA Alphonsa, N Vivek, E Gnansounou, E Castro & V Faraco, *Bioresource Technology*, 230, 152-162 (2017) **IF 5.807**

335. Synthetic biology and metabolic engineering approaches and its impact on non-conventional Yeast and Biofuel production, A Madhavan, AA Jose, P Binod, R Sindhu, Ashok Pandey, RK Sukumaran & GE Castro, *Frontiers in Energy Research, Section Bioenergy and Biofuels*, Article no 234146 (2017)5:8. doi: 10.3389/fenrg.2017.00009
336. Bioconversion of sugarcane crop residue for value added products – An overview, R Sindhu, E Gnansounou, P Binod & Ashok Pandey, *Renewable Energy*, 98, 203-215 (2016) **IF 4.357**
337. New Horizons in Biofuels Production and Technologies- Preface: International Conference on New Horizons in Biotechnology (NHBT-2015), Ashok Pandey, DJ Lee, SK Khanal & RR Singhanian, *Renewable Energy*, 98, 1 (2016) **IF 4.357**
338. Novel enzymatic processes applied to the food industry, AK Patel, Reeta Rani Singhanian & Ashok Pandey, *Current Opinion in Food Science*, 7(1), 64-72 (2016)
339. Potential of rice straw for bio-refining: An overview, A Abraham, AK Mathew, R Sindhu, Ashok Pandey & P Binod, *Bioresource Technology*, 215, 29-36 (2016) **IF 5.61**
340. Biological pretreatment of lignocellulosic biomass - An overview, R Sindhu, P Binod & Ashok Pandey, *Bioresource Technology*, 199, 76-82 (2016) **IF 5.61**
341. Current perspectives in enzymatic saccharification of lignocellulosic biomass, SK Khare, Ashok Pandey & C Larroche, *Biochemical Engineering Journal*, 102, 38-44 (2015) **IF 2.645**
342. Preface, Emerging trends in Industrial Biotechnology, IS Thakur, Ashok Pandey, P Nigam & KM Nampoothiri, *Biochemical Engineering Journal*, 102, 1 (2015) **IF 2.892**
343. Solid-state fermentation for the production of poly(hydroxyalkanoates), R Sindhu, Ashok Pandey & P Binod, *Chemical & Biochemical Engineering Quarterly*, 29(2), 173-181 (2015) **IF 0.911**
344. Preface, ICETB2014 Special issue on Emerging Trends in Biotechnology, IS Thakur, Ashok Pandey & HH Ngo, *Indian Journal of Experimental Biology*, 53(6), 315 (2015) **IF 1.475**
345. Production, purification and properties of fungal chitinases- A Review, N Karthik, K Akanksha, P Binod & Ashok Pandey, *Indian Journal of Experimental Biology*, (2014) **IF 0.835**
346. Preface- ICABB 2013 Special issue on Advances in Biotechnology and Bioinformatics – N Nawani, Ashok Pandey, S Khanal & P Binod, *Indian Journal of Experimental Biology*, 52, 1019- 1020 (2014) **IF 0.835**
347. Advances in lipase-catalyzed esterification reactions, PY Stergiou, A Foukis, M Filippou, M Koukouritaki, M Parapouli, LG Theodorou, E Hatziloukas, A Afendra, Ashok Pandey & E M Papamichael, *Biotechnology Advances*, 31, 1846-1859 (2013) **IF 9.599**
348. Emerging approaches in fermentative production of stains, SK Singh & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 171, 927 – 938 (2013) **IF 1.893**

349. Current developments in solid-state fermentation, Leya Thomas, C Larroche & Ashok Pandey, *Biochemical Engineering Journal*, 81, 146-161 (2013) **IF 2.645**
350. Production, purification and application of xylanases from actinomycetes, Leya Thomas, M Arumugam & Ashok Pandey, *Indian Journal of Experimental Biology*, 51 (6), 875-884 (2013) **IF 1.295**
351. Western Ghats of India as a rich source of microbial diversity, KM Nampoothiri, Ramkumar B & Ashok Pandey, *Journal of Scientific and Industrial Research*, 72, 617-623 (2013) **IF 0.557**
352. Role and significance of beta-glucosidases in the hydrolysis of cellulose for bioethanol production, Reeta Rani Singhania, AK Patel, RK Sukumaran, C Larroche & Ashok Pandey, *Bioresource Technology*, 127, 500-507 (2013) **IF 4.758**
353. Industrial Biotechnology and Food Biotechnology: Industrial Processing, Safety & Health, International Conference and Indo-Italian Workshop SI, Preface, Ashok Pandey & RS Singh, *Biologia*, 68, 1015 (2013) **IF 0.557**
354. Industrial enzymes: Present status and future perspectives for India, P Binod, P Palkhiwala, R Gaikawai, KM Nampoothiri, A Duggal, K Dey & Ashok Pandey, *Journal of Scientific and Industrial research*, 72(5), 271-286 (2013) **IF 0.557**
355. Probiotic fermented foods for health benefits, JB Divya, KK Vrsha, KM Nampoothiri, B Ismail & Ashok Pandey, *Engineering in Life Sciences*, 12(4), 1-14 (2012)
356. Recent developments in microbial oils production: A possible alternative to vegetable oils for biodiesel without competition with human food? G Christophe, V Kumar, R Nouaille, G Gaudet, P Fontanille, Ashok Pandey, CR Soccoland C Larroche, *Brazilian Archives of Biology and Technology*, 55(1), 29-46 (2012)
357. Organic solvent adaptation of Gram positive bacteria: applications and biotechnological potentials, S Torres, Ashok Pandey & GR Castro, *Biotechnology Advances*, 29(4), 442-452(2011)
358. Cyanobacteria and microalgae: A positive prospect for biofuels, A Parmar, NK Singh, Ashok Pandey, E Gnansounou, E & D Madamwar, *Bioresource Technology*, 102 (22) , 10163-10172 (2011)
359. Adopting structural elements from intrinsically stable phytase - A promising strategy towards thermostable phytases, MV Ushasree, HBS Sumayya & Ashok Pandey, *Indian Journal of Biotechnology*, 10(4), 458-467 (2011)
360. Micro and macroalgal biomass: A renewable source for bioethanol, RP John, GS Anisha, KM Nampoothiri & Ashok Pandey, *Bioresource Technology*, 102(1), 186-193(2011)
361. Enzymes as additives or processing aids in Food Biotechnology, R Porta, Ashok Pandey & CM Rosell, *Enzyme Research*, 2010, 1-2 (2010)
362. Polysaccharides from probiotics: New developments as food additives, AK Patel, P Michaud, Reeta Rani Singhania, CR Soccol & Ashok Pandey, *Food Technology and Biotechnology*, 48 (4), 451-463 (2010)

363. The Potential of probiotics: A Review, CR Soccol, LPS Vandenberghe, MR Spier, ABP Medeiros, CT Yamaguishi, JDD Lindner, Ashok Pandey & V Thomaz-Soccol, *Food Technology and Biotechnology*, 48(4), 414-434(2010)
364. Probiotics, prebiotics and synbiotics- Foreword, Ashok Pandey, C Larroche & CR Soccol, Special Issue of *Food Technology and Biotechnology*, 48 (4), 411 (2010)
365. Advanced strategies for improving industrial enzymes, Ashok Pandey, P Binod, MV Ushasree & J Vidya, *Chemical Industry Digest*, 23, 74-84 (2010)
366. Advancement and comparative profiles in the production technologies using solid-state and submerged fermentation for microbial cellulases, Reeta Rani Singhania, RK Sukumaran, AK Patel, C Larroche & Ashok Pandey, *Enzyme and Microbial Technology*, 46(7), 541-549 (2010)
367. Genome shuffling: A new trend in improved bacterial production of lactic acid, RP John, GS Anisha, Ashok Pandey & KM Nampoothiri, *Industrial Biotechnology*, 6(3): 164-169 (2010)
368. Lignocellulosic ethanol in India: Prospects, challenges and feedstock availability, RK Sukumaran, VJ Surender, R Sindhu, P Binod, KU Janu, KV Sajna, KP Rajasree & Ashok Pandey, *Bioresource Technology*, 101(13), 4826-4833 (2010)
369. Bioethanol production from rice straw: An overview, P Binod, R Sindhu, Reeta Rani Singhania, VJ Surender, Lalitha Devi, Satya Nagalakshmi, N Kurien, RK Sukumaran & Ashok Pandey, *Bioresource Technology*, 101(134), 4767-4774 (2010)
370. Lignocellulosic Bioethanol: Current Status and Perspectives- Introduction, Ashok Pandey, *Bioresource Technology*, 101(14), 4743 (2010)
371. Probiotic bile salt hydrolase: Current developments and perspectives, AK Patel, Reeta Rani Singhania, Ashok Pandey & SB Chincholkar, *Applied Biochemistry and Biotechnology*, 162(1), 166-180(2010)
372. Direct lactic acid fermentation: Focus on simultaneous saccharification and lactic acid production, RP John, GS Anisha, KM Nampoothiri & Ashok Pandey, *Biotechnology Advances*, 27, 145-152 (2009)
373. Advances in research of polysaccharides in *Cordyceps* species, SZhong, H Pan, L Fan, G Lv, Y Wu, P Binod, Ashok Pandey & CR Ricardo Soccol, *Food Technology and Biotechnology*, 47(3), 304-312 (2009)
374. Recent advances in solid-state fermentation, Reeta Rani Singhania, AK Patel, CR Soccol & Ashok Pandey, *Biochemical Engineering Journal*, 44(1), 13-18 (2009)
375. Progress in research on fungal cellulases for lignocellulose degradation, GM Mathew, RK Sukumaran, Reeta Rani Singhania & Ashok Pandey, *Journal of Scientific & Industrial Research*, 67(11), 898-907 (2008)
376. Trends in non-dairy probiotic beverages, FC Prado, JL Parada, Ashok Pandey & CR Soccol, *Food Research International*, 41, 111-123 (2008) **IF 2.271**
377. Production and application of industrial enzymes, Ashok Pandey & Reeta Rani Singhania, *Chemical Industry Digest*, 21, 82-91 (2008)



378. Fermentative production of lactic acid from biomass: an overview on process developments and future perspectives, RP John, KM Nampoothiri & Ashok Pandey, *Applied Microbiology and Biotechnology*, 74, 524-534 (2007)
379. Oil cakes and their biotechnological applications- A review, Sumitra Ramachandran, SK Singh, C Larroche, CR Soccol & Ashok Pandey, *Bioresource Technology*, 98(10), 2000-2009(2007)
380. Advances in mushroom research in last decade, L Fan, H Pan, A T Soccol, Ashok Pandey & CR Soccol, *Food Technology and Biotechnology*, 44(3), 301-311 (2006)
381. Microbiology and industrial biotechnology of food grade proteases- a perspective, A Sumantha, C Larroche & Ashok Pandey, *Food Technology and Biotechnology*, 44(2), 211-220 (2006)
382. Gluconic acid: Properties, application and microbial production, Sumitra Ramachandran, P Fontanille, Ashok Pandey & C Larroche, *Food Technology and Biotechnology*, 44(2), 185-196 (2006)
383. Alpha amylase from microbial sources- an overview on recent developments, S Sivaramakrishnan, D Gangadharan, KM Nampoothiri, CR Soccol & Ashok Pandey, *Food Technology and Biotechnology*, 44(2), 173-184 (2006)
384. New perspectives for citric acid production and application, CR Soccol, LPS Vandenberghe, C Rodriguez & Ashok Pandey, *Food Technology and Biotechnology*, 44(2), 141-150 (2006)
385. Metabolic engineering approaches for lactic acid production, SK. Singh, SU Ahmed & Ashok Pandey, *Process Biochemistry*, 41(5), 991-1000(2006)
386. Microbial pigments, Ashok Pandey & S Babitha, *Advanced Biotech*, 3(8), 17-19 (2005)
387. Microbial cellulases- production, applications and challenges, RK Sukumaran, RR Singhanian & Ashok Pandey, *Journal of Scientific and Industrial Research*, 64, 832-844 (2005)
388. Coffee Husk: A Potential Alternative Material for Bioprocesses. CR. Soccol, D Brand, R Mohan, JAL. Rodriguez and Ashok Pandey, *Metals Materials and Processes*, 17(3-4), 195-206 (2005)
389. Natural food colorants, S Babitha, C Sandhya & Ashok Pandey, *Applied Botany Abstracts*, 23(4), 258-266 (2004)
390. Production of *Monascus* biopigments: An overview, JC Carvalho, Ashok Pandey, S Babitha & CR Soccol, *Agro-Food Industry Hi-tech*, 14, 37-42 (2003)
391. Bioremediation: An important alternative for soil and industrial wastes clean-up, CR Soccol, LPS Vandenberghe, AL Wojschiechowski, VT Soccol, CT Correia & Ashok Pandey, *Indian Journal of Experimental Biology*, 41, 1030-1045 (2003)
392. Food and freshwater in the world, hunger and genetically modified products, Ashok Pandey, *Agri-Food*, 1 (5), 1-5 (2003)- Interview
393. Jiv-vigyan me computer ka yogdan (Significance of computers in Biology- in Hindi), KM Nampoothiri & Ashok Pandey, *Vigyan Pragati*, July, 21-22 (2003)
394. Introduction [Editorial write-up on the special issue of the journal on bioactive molecules- in Hindi], Ashok Pandey, *Bhartiya Vaigyanik avm Audyogik Anusandhan Patrika*, 11(1), 3-4 (2003)

395. Advances in fermentation technology, K M Nampoothiri, Sumitra Ramachandran, CR Soccol & Ashok Pandey, *Cooperative Sugars*, 34(6), 471-477 (2003), Reprinted from the *International Sugar Journal*, 104 (1247), 493-499 (2002)
396. Preface, [Editorial write-up on the special issue of the journal on Microbial and Industrial Biotechnology], Ashok Pandey & C Larroche, *Indian Journal of Biotechnology*, 2 (3), 287-288 (2003)
397. Solid-state fermentation, Ashok Pandey, *Biochemical Engineering Journal*, 13 (2-3), 81-84(2003)
398. Preface [Editorial write-up on the special issue of the journal on SSF] Ashok Pandey, *Biochemical Engineering Journal*, 13 (2-3), 79 (2003)
399. Advances in fermentation technology, K M Nampoothiri, Sumitra Ramachandran, CR Soccol & Ashok Pandey, *International Sugar Journal*, 104 (1247), 493-499 (2002)
400. Emerging bio-potential of gellan gum, C Sabarinath, CR Soccol & Ashok Pandey, *Agro-Food Industry Hi-Tech*, 13 (6), 32-37 (2002)
401. New Horizons in Biotechnology- An Introduction, Ashok Pandey & R Banerjee, *Applied Biochemistry and Biotechnology*, Special issue, 102-103, 1-3 (2002)
402. Bioindustrial applications of sugarcane bagasse: A technological perspective, R Banerjee & Ashok Pandey, *International Sugar Journal*, 104 (1238), 64-67 (2002)
403. Developments in Biotechnology: An overview. R Banerjee, G Mukherjee Ashok Pandey & A Sabu, *Indian Journal of Biotechnology*, 1(1), 9-16 (2002)
404. Utilization of agricultural and food waste and by-products by biotechnology. P Nigam, D Singh and Ashok Pandey, *Agro Food Industry Hi-tech/AG Biotech*, 12 (3), 26-29 (2001)
405. Production, purification and properties of microbial phytases. Ashok Pandey, G Szakacs, CR Soccol, J A Rodriguez-Leon & VT Soccol, *Bioresource Technology*, 77(3), 203-214 (2001)
406. Biotechnological treatment of pollutants. Ashok Pandey, P Nigam & D Singh, *Chemical Industry Digest*, 14 (4), 93-95 (2001)
407. Biopotential of microbial glutaminases. A Sabu, M Chandrasekaran & Ashok Pandey, *Chemistry Today/Chimica Oggi*, 18 (11-12), 21-25 (2000)
408. Panorama of lipases in bioindustry. S Benjamin & Ashok Pandey, *Biotech International Journal* 5(6), 11-13 (2000)
409. Biotechnological potential of coffee pulp and coffee husk for bioprocesses, Ashok Pandey, CR Soccol, P Nigam, D Brand, R Mohan & S Roussos, *Biochemical Engineering Journal*, 6(2), 153-162 (2000)
410. New developments in solid-state fermentation: II Rational approaches for bioreactor design and operation. DA Mitchell, N Krieger, DM Stuart & Ashok Pandey, *Process Biochemistry*, 35 (10), 1211-1225 (2000)
411. New developments in solid-state fermentation: I bioprocesses and products. Ashok Pandey, CR Soccol & DA Mitchell, *Process Biochemistry*, 35 (10), 1153-1169 (2000)

412. Biopotential of immobilized amylases. Ashok Pandey, CR. Soccol & VT Soccol, *Indian Journal of Microbiology*, 40 (1), 1-14 (2000)
413. Advances in microbial amylases. Ashok Pandey, P Nigam, CR. Soccol, D Singh, VT Soccol & R Mohan, *Biotechnology and Applied Biochemistry*, 31, 135-152 (2000)
414. Biotechnological potential of agro-industrial residues: II Cassava bagasse. Ashok Pandey, CR Soccol, P Nigam, VT Soccol, LPS Vandenberghe & R Mohan, *Bioresource Technology*, 74 (1), 81-87 (2000)
415. Biotechnological potential of agro-industrial residues: I Sugarcane bagasse. Ashok Pandey, CR Soccol, P Nigam & VT Soccol, *Bioresource Technology*, 74 (1), 69-80 (2000)
416. Economic utilization of crop residues for value addition - A futuristic approach, Ashok Pandey & CR Soccol, *Journal of Scientific and Industrial Research*, 59(1), 12-22 (2000)
417. Microbial production of citric acid, LPS Vandenberghe, CR Soccol, Ashok Pandey & J-M Lebeault, *Brazilian Archives of Biology and Technology*, 42 (3), 263-276 (1999)
418. The Realm of microbial lipases in biotechnology. Ashok Pandey, S Benjamin, CR Soccol, P Nigam, N Krieger & VT Soccol, *Biotechnology and Applied Biochemistry*, 29 (2), 119-131 (1999)
419. Recent developments in microbial inulinases - Its production, properties and industrial applications. Ashok Pandey, P Selvakumar, CR Soccol, VT Soccol, N Krieger & JD Fontana, *Applied Biochemistry and Biotechnology*, 81 (1), 35-52 (1999)
420. Solid-state fermentation for the production of industrial enzymes. Ashok Pandey, P Selvakumar, CR Soccol & P Nigam. *Current Science*, 77(1), 149-162 (1999)
421. Frontiers in Biotechnology: Introduction. Ashok Pandey, CR Soccol & VK Joshi. *Journal of Scientific and Industrial Research*, 57(10-11), 561-562 (1998) [Editorial material]
422. *Candida rugosa* lipases: Molecular biology and its versatility in biotechnology. S Benjamin & Ashok Pandey. *Yeast*, 14, 1069-1087 (1998)
423. Bioconversion of biomass: A case study of lignocellulosics bioconversions in solid-state fermentation. Ashok Pandey & CR Soccol, *Brazilian Archives of Biology and Technology*, 41(4), 379-390 (1998)
424. Genetic tuning of coryneform bacteria for the overproduction of amino acids. KM Nampoothiri & Ashok Pandey. *Process Biochemistry*, 33(2), 147-161 (1998)
425. *Candida rugosa* and its lipases - A retrospect. S Benjamin & Ashok Pandey. *Journal of Scientific and Industrial Research*, 57(1), 1-9 (1998)
426. The panorama of cyclosporin research. K Balakrishnan & Ashok Pandey. *Journal of Basic Microbiology*, 36(1), 1-27 (1996)
427. Production of biologically active secondary metabolites by solid-state fermentation. K Balakrishnan & Ashok Pandey. *Journal of Scientific and Industrial Research*, 55(5-6), 365-372 (1996)
428. Microbial synthesis of starch saccharifying enzyme in solid-state fermentation. P Selvakumar, L Ashakumary & Ashok Pandey. *Journal of Scientific and Industrial Research*, 55(5-6), 443-449 (1996)

429. Solid-state fermentation: Introduction. Ashok Pandey. *Journal of Scientific and Industrial Research*, 55(5-6), 311-312 (1996) [Editorial material]
430. Glucoamylase research: An overview. Ashok Pandey. *Starch/Starke*, 47(11), 439-445 (1995)
431. A policy framework for biotechnology research in developing countries like India. S Sureshkumar & Ashok Pandey. *Productivity*, 35(4), 665-672 (1995)
432. Recent process developments in solid-state fermentation. Ashok Pandey. *Process Biochemistry*, 27(2), 109-117 (1992)
433. Aspects for design of fermenter in solid-state fermentation. Ashok Pandey. *Process Biochemistry*, 26(3), 355-361 (1991)
434. Treatment of high strength plantation effluent: A management approach. Ashok Pandey & S Sureshkumar. *Ecology*, 4, 16-20 (1990)
435. Non-nutritive sweeteners in food system. Ashok Pandey & P Nigam. *Indian Food Industry*, 6, 157-65 (1987)
436. Nutritive sweeteners in food system. P Nigam & Ashok Pandey. *Co-operative Sugars*, 18, 821-826 (1987)
437. Utilization of by-products of cane sugar industry. P Nigam & Ashok Pandey. *Co-operative Sugars*, 17, 539-542 (1986)

#### ORIGINAL RESEARCH PAPERS

438. Nutrient removal from spent effluent of Sorghum biomass pretreatment by novel *Chlorella* strain: Dual potential for spent effluent treatment and in biofuel application, D Mazumdar, S Subudhi, P Mishra, GS Rani, BLA Prabhavathi Devi, RBN Prasad, MK Kumar, RK Sukumaran, Ashok Pandey, SS Rao & B Lal, *Current Environmental Engineering*, 5, (2019)
439. Purification and characterization of two isoforms of exoinulinase from *Penicillium oxalicum* BGPUP-4 for the preparation of high fructose syrup from inulin, RS Singh, K Chauhan, Ashok Pandey, C Larroche & JF Kennedy, *International Journal of Biological Macromolecules*, 118, 1974-1983 (2018) **IF 3.909**
440. New coculture system of *Clostridium* spp. and *Megasphaera hexanoica* using submerged hollow-fiber membrane bioreactors for caproic acid production, H Kim, BS Jeon, Ashok Pandey & BI Sang, *Bioresource Technology*, 270, 498-503 (2018) **IF 5.807**
441. Pentose rich acid pretreated liquor as co-substrate for 1,3-propanediol production, N Vivek, M Christopher, M Kiran Kumar, E Castro, P Binod & Ashok Pandey, *Renewable Energy*, 129 (Part B), 794-799 (2018) **IF 4.90**
442. SSF production, purification and characterization of chitin deacetylase from *Aspergillus flavus*, N Karthik, P Binod & Ashok Pandey, *Biocatalysis and Biotransformation*, 36(4), 296-306 (2018) **IF 1.060**

443. Nanobiocatalysis for synthesis of pentyl valerate in organic solvents: Characterization, optimization and reusability studies, V Patel, Ashok Pandey, C Larroche & D Madamwar, *Current Biotechnology*, 7(2), 105-114 (2018) **IF**
444. Improved sugars release from chili post-harvest residues by dilute acid assisted lime pretreatment, R Sindhu, A Antony, P Binod, Ashok Pandey, AK Mathew, A Abraham & E Gnansounou, *Journal of Energy and Environmental Sustainability*, 6, 48-51 (2018)
445. Zinc oxide phytase nanocomposites as contributory tools to improved thermostability and shelflife, S Rebelloa, AN Anoopkumar, S Puthur, R Sindhu, P Binod, Ashok Pandey & EM Aneesha, *Bioresource Technology Reports*, 3, 1-6 (2018)
446. Genomic and proteomic analysis of lignin degrading and polyhydroxyalkanoate accumulating  $\beta$ -proteobacterium *Pandoraea* sp. ISTKB, Madan Kumar, S Verma, RK Gazara, M Kumar, Ashok Pandey, PK Verma & IS Thakur, *Biotechnology for Biofuels*, 11- 154-176 (2018) **IF 5.203**
447. Whole cell based biocatalytic production of 2,5-furan dicarboxylic acid, RO Rajesh, TK Godan, Ashok Pandey & P Binod, *Indian Journal of Experimental Biology*, 56(7), 493-497 (2018) **IF 1.475**
448. Enzymatic hydrolysis of microwave assisted acid pretreated chili post-harvest residue for the production of value-added products, R Sindhu, P Binod, E Gnansounou, TP Prabisha, L Thomas, AK Mathew, A Abraham, Ashok Pandey & V Faraco, *Indian Journal of Experimental Biology*, 56(7), 479-483 (2018) **IF 1.475**
449. An efficient aqueous two phase systems using dual inorganic electrolytes to separate 1,3-propanediol from the fermented broth, N Vivek, Ashok Pandey & P Binod, *Bioresource Technology*, 254, 239-246 (2018) **IF 5.807**
450. Effect of dilute acid pretreatment of wild rice grass (*Zizania latifolia*) from Loktak Lake for enzymatic hydrolysis, DB Sahoo, SB Ummalyma, AK Okram, Ashok Pandey, M Sankar & RK Sukumaran, *Bioresource Technology*, 253, 252-255 (2018) **IF 5.807**
451. Production of pectinase from *Bacillus sonorensis* MPTD1, A Mohandas, Sindhu R, P Binod, A Abraham, SR Athiraraj, AK Mathew & Ashok Pandey, *Food Technology and Biotechnology*, 56(1), 110-116 (2018) **IF 1.168**
452. Optimization of process parameters for the production of  $\gamma$ -linolenic acid by *Cunninghamella elegans* CFR C07 in submerged fermentation, SV Parvathy, C Salini, G Venkateswaran, S Rajendran, Kiran Kumar M, Ashok Pandey & P Binod, *Food Technology and Biotechnology*, 56(1), 96-100 (2018) **IF 1.168**
453. Solid-state fermentation of carrot pomace for the production of inulinase by *Penicillium oxalicum* BGPUP-4, RS Singh, K Chauhan, J Singh, Ashok Pandey & C Larroche, *Food Technology and Biotechnology*, 56(1), 31-39 (2018) **IF 1.168**
454. An effective surfactant-assisted hydrothermal pretreatment strategy for bioethanol production from chili post-harvest residue by separate hydrolysis and fermentation, R Sindhu, P Binod, AK Mathew, A Abraham, Ashok Pandey, E Gnansounou & GE Castro, *Bioprocess and Biosystems Engineering*, 41(4), 565-571 (2018) **IF 2.139**

455. Heterogeneity of zeolite combined with biochar properties as a function of sewage sludge composting and production of nutrient-rich compost, MK Awasthi, M Wang, Ashok Pandey, R Li & Z Zhang, *Waste Management*, 68, 760-773 (2017) **IF 4.23**
456. Adsorptive detoxification of fermentation inhibitors in acid pretreated liquor using functionalized polymer designed by molecular simulation, LP Devendra & Ashok Pandey, *Bioprocess and Biosystems Engineering*, 40(11), 1657-1667 (2017) **IF 1.97**
457. Expression system for heterologous protein expression in the filamentous fungus *Aspergillus unguis*, A Madhavan, Ashok Pandey & RK Sukumaran, *Bioresource Technology*, 245, 1334-1342 (2017) **IF 5.807**
458. Delignification of cotton stalks using sodium cumene sulfonate for bioethanol production, S Karthyani, Ashok Pandey & LP Devendra, *Biofuels*, 1-10 (2017) **IF 0.74**
459. Development of a novel ultrasound assisted hydrothermal pretreatment strategy for the production of bioethanol from chili post harvest residue, R. Sindhu, P. Binod, AK Mathew, A Abraham, E Gnansounou & Ashok Pandey, *Annals of Agriculture and Crop Sciences*, 2, 10-20 (2017)
460. Development of a novel ultrasound assisted alkali pretreatment strategy for the production of bioethanol from chili post harvest residue, R. Sindhu, P. Binod, AK Mathew, A Abraham, E Gnansounou, SB Ummalyma, L Thomas & Ashok Pandey, *Bioresource Technology*, 242, 146-151 (2017) **IF 5.807**
461. Resolution of enantiopure (S)-1-(1-naphthyl) ethanol from racemic mixture by a novel *Bacillus cereus* isolate, P Ranjan, Ashok Pandey & P Binod, *Journal of Basic Microbiology*, 57, 762-769 (2017) **IF 1.438**
462. Potential of *Brachiaria mutica* (Para grass) for bioethanol production from Loktak Lake, D Sahoo, SB Ummalyma, AK Okram, RK Sukumaran, E George & Ashok Pandey, *Bioresource Technology*, 242, 133-138 (2017) **IF 5.807**
463. Spray drying as effective encapsulation method for phenol degrading bacteria, NM Lakshmi, K Umashankar, A Chandralekha, KSMS Raghaoara, NM Jayan, C Salini, Ashok Pandey & P Binod, *Indian Journal of Experimental Biotechnology*, 55(7), 485-492 (2017) **IF 1.1475**
464. Production and characterization of microbial poly- $\gamma$ -glutamic acid from renewable resources, A Anju, P Binod & Ashok Pandey, *Indian Journal of Experimental Biotechnology*, 55(7), 405-410 (2017) **IF 1.475**
465. A Novel surfactant-assisted transition metal pretreatment of chili post harvest residue for the production of bioethanol by separate hydrolysis and fermentation, R Sindhu, K Jerina, P Binod, AK Mathew, A Abraham, E Gnansounou & Ashok Pandey, *Journal of Energy and Environmental Sustainability*, 3, 25-28 (2017)
466. Cellulase production through solid-state tray fermentation, and its use for bioethanol from sorghum stover, AOS Idri, Ashok Pandey, SS Rao & RK Sukumaran, *Bioresource Technology*, 242, 265-271 (2017) **IF 5.807**
467. Self-cycling fermentation for 1,3-propanediol production: Comparative

- evaluation of metabolite flux in cell recycling, simple batch and continuous processes using *Lactobacillus brevis* N1E9.3.3 strain, V Narisetty, TV Awasthi, PR Sven, Ashok Pandey & P Binod, *Journal of Biotechnology*, 259, 110-119 (2017) **IF 2.599**
468. Improved 1,3-propanediol production with maintained physical conditions and optimized media composition: Validation with statistical and neural approach, V Narisetty, G Astray, B Gullon, E Castro, P Binod & Ashok Pandey, *Biochemical Engineering Journal*, 126, 109-117 (2017) **IF 2.892**
469. Microbial production of ketoreductases: Development of a novel high-throughput screening method, R Preeti, Ashok Pandey & P Binod, *Bioresource Technology*, 242, 319-323(2017) **IF 5.807**
470. A biorefinery-based approach for the production of ethanol from enzymatically hydrolysed cotton stalks, M Christopher, AK Mathew, M Kiran Kumar, Ashok Pandey & RK Sukumaran, *Bioresource Technology*, 242, 178-183(2017) **IF 5.807**
471. Development of a novel ultrasound-assisted alkali pretreatment strategy for the production of bioethanol and xylanases from chili post harvest residue, R Sindhu, P Binod, AK Mthew, A Abraham, E Gnansounou, US Beevi, L Thomas & Ashok Pandey, *Bioresource Technology*, 242, 146-151(2017) **IF 5.807**
472. Potential of *Brachiaria mutica* (Para grass) for bioethanol production from Logtak lake, DB Sahoo, AK Okram, RK Sukumaran, E George & Ashok Pandey, *Bioresource Technology*, 242, 133 – 138 (2017) **IF 5.807**
473. Microbial degradation of high impact polystyrene (HIPS), an e-plastic with decabromodiphenyl oxide and antimony trioxide, VC Sekhar, KM Nampoothiri, AJ Mohan, T Bhaskar & Ashok Pandey, *Journal of Hazardous Materials*, 318, 347-354 (2016) **IF 1.692**
474. Production of poly-3-hydroxybutyrate from mixed culture, T Shalin, R Sindhu, Ashok Pandey & P Binod, *Biologia*, 71, 1-7 (2016) **IF 0.786**
475. Bioconversion of sugarcane crop residues for value added products, R Sindhu, E Gnansounou, P Binod & Ashok Pandey, *Renewable Energy*, 98, 203-215 (2016) **IF 4.357**
476. Production of chitin deacetylase by *Aspergillus niger* in submerged conditions, K Narayanan, P Binod & Ashok Pandey, *Preparative Biochemistry and Biotechnology*, 46(5), 4501-508 (2016) **IF 0.982**
477. Evaluation of oil palm frond hydrolysate as a novel substrate for 2,3-butanediol production using a novel isolate *Enterobacter cloacae* SG1, SH Hazeena, Ashok Pandey & P Binod, *Renewable Energy*, 98, 216-220 (2016) **IF 4.357**
478. Hydrolysis of pretreated rice straw by an enzyme cocktail comprising acidic xylanase from *Aspergillus* sp. for bioethanol production, L Thomas, P Binod & Ashok Pandey, *Renewable Energy*, 98, 9-15 (2016) **IF 4.357**
479. Hydrotropic pretreatment on rice straw for bioethanol production, LP Devendra & Ashok Pandey, *Renewable Energy*, 98, 2-8 (2016) **IF 4.357**

480. Evaluation of hydrotropic pretreatment on lignocellulosic biomass, LP Devendra, M Kiran Kumar & Ashok Pandey, *Bioresource Technology*, 216, 350-358 (2016) **IF 5.651**
481. Detoxification of acidic biorefinery waste liquor for production of high value amino acid, M Christopher, M Anusree, AK Mathew, KM Nampoothiri, RK Sukumaran & Ashok Pandey, *Bioresource Technology*, 216, 270-275 (2016) **IF 5.651**
482. Biological valorization of pure and crude glycerol into 1,3-propanediol using a novel isolate *Lactobacillus brevis* N1E9.3.3, N Vivek, Ashok Pandey & P Binod, *Bioresource Technology*, 216, 222-230 (2016) **IF 5.651**
483. Harvesting of microalgal biomass: Efficient method for flocculation through pH modulation, SB Ummalyama, AK Mathew, Ashok Pandey & RS Sukumaran, *Bioresource Technology*, 216, 216-221 (2016) **IF 5.651**
484. A novel sono-assisted acid pretreatment of chilli post harvest residue for bioethanol production, R Sindhu, P Binod & Ashok Pandey, *Bioresource Technology*, 216, 58-63 (2016) **IF 4.917**
485. Development of a combined pretreatment and hydrolysis strategy of rice straw for the production of bioethanol and biopolymer, R Sindhu, M Kuttiraja, TP Prabisha, P Binod, RK Sukumaran & Ashok Pandey, *Bioresource Technology*, 215, 110-116 (2016) **IF 5.651**
486. Production of endoglucanase from *Trichoderma reesei* RUT C30 and its application in deinking of printed office waste paper, ASO Idris, Ashok Pandey & RK Sukumaran, *Biologia*, 71(3), 65-71 (2016) **IF 0.786**
487. Development of a novel sequential pretreatment strategy for the production of bioethanol from sugarcane trash, S Raghavi, R Sindhu, P Binod, E Gnansounou & Ashok Pandey, *Bioresource Technology*, 199, 202-210 (2016) **IF 5.651**
488. Solid-state fermentation for the production of biomass valorizing feruloyl esterase, N Gopalan, KM Nampoothiri, G Szakacs, P Binod & Ashok Pandey, *Biocatalysis and Agricultural Biotechnology*, 7, 7-13 (2016) **IF 1.510**
489. An evaluation of dilute acid and ammonia fiber explosion pretreatment for cellulosic ethanol production, AK Mathew, P Binod, RK Sukumaran & Ashok Pandey, *Bioresource Technology*, 199, 13-20 (2016) **IF 5.651**
490. Catalytic hydrolysis of cotton stalk biomass using a reusable solid carbon acid catalyst, Mandavi Goswami, S Meena, S Navatha, RBN Prasad, BLA Prabhavathi Devi, RK Sukumaran & Ashok Pandey, *Journal of Energy and Environmental Sustainability*, 1, 54-57 (2016)
491. Material balance studies for the conversion of sorghum stover to bioethanol, K Akanksha, RK Sukumaran, Ashok Pandey, SS Rao & P Binod, *Biomass and Bioenergy*, 85, 48-52 (2016) **IF 3.759**
492. A novel crude glycerol assisted surfactant pretreatment strategy of chili post-harvest residue for bioethanol production, R Sindhu, E Gnanousoun, Ashok Pandey & P Binod, *Biofuels*, 6, 383-390 (2015) **IF 1.473**



493. Purification and characterization of an acidic and antifungal chitinase produced by a *Streptomyces* sp., N Karthik, P Binod & Ashok Pandey, *Bioresource Technology*, 188, 195-201 (2015) **IF 4.917**
494. Rice straw hydrolysate to fuel and volatile fatty acids conversion by *Clostridium sporogenes* BE01 Bio-electrochemical analysis of electron transport mediators involved, LD Gottumukkala, RK Sukumaran, S Venkatamohan, KV Sajna, O Sarkar & Ashok Pandey, *Green Chemistry*, 17(5), 3047-3058 (2015) **IF 8.02**
495. Evaluation of Amberlyst15 for hydrolysis of alkali pretreated rice straw and fermentation to ethanol, S Meena, S Navatha, DS Prabhavathi, RBN Prasad, Ashok Pandey & RK Sukumaran, *Biochemical Engineering Journal*, 102, 49-53 (2015) **IF 2.37**
496. Production of an alkaline xylanase from recombinant *Kluyveromyces lactis* (KY1) by submerged fermentation and its application in bio-bleaching, L Thomas, R Sindhu, P Binod & Ashok Pandey, *Biochemical Engineering Journal*, 102, 24-30 (2015) **IF 2.645**
497. Cloning and expression of L-asparaginase from *E. coli* in eukaryotic expression system, S Sajitha, J Vidya, K Varsha, P Binod & Ashok Pandey, *Biochemical Engineering Journal*, 102, 14-17 (2015) **IF 2.645**
498. Characterization of an exopolysaccharide with potential healthbenefit properties from a probiotic *Lactobacillus plantarum* RJF4, SV Dilna, H Surya, RG Aswathy, KK Varsha, DN Sakthikumar, Ashok Pandey & KM Nampoothiri, *LWT Food Science and Technology*, 64, 1179-1186 (2015) **IF 2.416**
499. Hydrolysis of biomass using a reusable solid carbon acid catalyst and fermentation of the catalytic hydrolysate to ethanol, M Goswami, S Meena, S Navatha, KN Prasanna Rani, Ashok Pandey, RK Sukumaran, RBN Prasad & DS Prabhavathi, *Bioresource Technology*, 188, 99-102 (2015) **IF 4.917**
500. Sugarcane bagasse as inert support for L - lysine production in solid-state fermentation, M Anusree, K M Nampoothiri & Ashok Pandey, *Indian Journal of Biotechnology*, 14(2), 193-199 (2015) **IF 0.287**
501. 2,4-Di-tert-butyl phenol as the antifungal, antioxidant bioactive purified from a newly isolated *Lactococcus* sp, KK Varsha, L Devendra, G Shilpa, S Priya, Ashok Pandey & KM Nampoothiri, *International Journal of Food Microbiology*, 211, 44-50 (2015) **IF 3.082**
502. Replacement P212H Altered the pH–Temperature Profile of Phytase from *Aspergillus niger* NII 08121, MV Ushasree, J Vidya & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 175 (6), 3084-3092 (2015) **IF 1.687**
503. Production and characterization of PHB from a novel isolate *Comomonas* sp. from a dairy effluent sample and its application in cell culture, TP Prabisha, R Sindhu, P Binod, V Sankar, KG Raghu & Ashok Pandey, *Biochemical Engineering Journal*, 101, 150-159 (2015) **IF 2.645**
504. Crude oil biodegradation aided by biosurfactants from *Pseudozyma* sp. NII 08165 or its culture broth, KV Sajna, RK Sukumaran, LD Gottumukkala & Ashok Pandey, *Bioresource Technology*, 191, 133-139 (2015) **IF 4.917**

505. Bioprocess development for docosahexaenoic acid (DHA) from novel fungal isolate of *Fusarium* sp. S Jini, A Hridya, Ashok Pandey & P Binod, *Indian Journal of Experimental Biology* 53, 364-370 (2015) **IF 1.165**
506. Production of a cellulase-free alkaline xylanase from *Bacillus pumilus* MTCC 5015 by submerged fermentation and its application in bio-bleaching, L Thomas, R Sindhu, P Binod & Ashok Pandey, *Indian Journal of Experimental Biology* 53, 356-363 (2015) **IF 1.165**
507. Application of a new xylanase activity from *Bacillus amyloliquefaciens* XR44A in Brewer's Spent Grain saccharification, A Amore, P, K Ramesh, L Birolo, R Vinciguerra, L Marcolongo, E Ionata, F Cara, Ashok Pandey & V Faraco, *Journal of Chemical Technology and Biotechnology*, 3, 573-581 (2015) **IF 2.49**
508. Physicochemical characterization of an exopolysaccharide produced by a newly isolated *Weissella cibaria*, SV Dilna, S Harikumar, DJ Beena, Ashok Pandey & K M Nampoothiri, *Applied Biochemistry and Biotechnology*, 176, 440-453 (2015) **IF 1.687**
509. Bioethanol production from acid pretreated Indian Bamboo variety (*Dendrocalamus* sp.) by separate hydrolysis and fermentation, R Sindhu, M Kuttiraja, P Binod, RK Sukumaran & Ashok Pandey, *Industrial Crops and Products*, 52, 169 – 176 (2014) **IF 2.468**
510. Physico-chemical characterization of alkali pretreated sugarcane tops and optimization of enzymatic saccharification using response surface methodology, R Sindhu, M Kuttiraja, P Binod, RK Sukumaran & Ashok Pandey, *Renewable Energy*, 62, 362-368 (2014) **IF 2.978**
511. Dilute acid pretreatment and enzymatic hydrolysis of sorghum biomass for sugar recovery – A statistical approach, K Akanksha, A Prasad, RK Sukumaran, KM Nampoothiri, Ashok Pandey, SS Rao & P Binod, *Indian Journal of Experimental Biology*, 52, 1082 – 1089 (2014) **IF 0.835**
512. Gene cloning and soluble expression of *Aspergillus niger* phytase in *E. coli* cytosol Via chaperone co-expression, MV Ushasree, J Vidya & Ashok Pandey, *Biotechnology Letters*, 36, 85 -91 (2014) **IF 1.853**
513. Esterase active in polar organic solvents from the yeast *Pseudozyma* sp NII 08165, A Deepthy, S Anju, Ashok Pandey & RK Sukumaran, *Enzyme Research*, Article ID 494682, 10 pages (2014) [dx.doi.org/10.1155/2014/494682](https://doi.org/10.1155/2014/494682)
514. Alkali pretreated sugarcane tops hydrolyzate for the production of poly-3-hydroxybutyrate by a dairy effluent isolate *Comomonas* sp., TP Prabisha, R Sindhu, P Binod, S Sajitha & Ashok Pandey, *Indian Journal of Biotechnology*, 13, 306 - 313 (2014) **IF 0.477**
515. Effect of surface charge alteration on stability of L-asparaginase II from *Escherichia* sp., J Vidya, MV Ushasree & Ashok Pandey, *Enzyme and Microbial Technology*, 56, 15–19 (2014) **IF 2.592**

516. Growth and butanol production by *Clostridium sporogenes* BE01 in rice straw hydrolyzate: kinetics of inhibition by organic acids and the strategies for their removal, LD Gottumukkala, P Binod, KV Sajna, Ashok Pandey & RK Sukumaran, *Biomass Conversion and Biorefinery*, 1-7 (2014)
517. An alkali-thermostable xylanase from *Bacillus pumilus* functionally expressed in *Kluyveromyces lactis* and evaluation of its deinking efficiency, L Thomas, MV Ushasree & Ashok Pandey, *Bioresource Technology*, 165, 309-313 (2014) **IF 5.039**
518. Antifungal potentials of extracellular metabolites of a Western Ghats isolated *Streptomyces* sp. NII 1006 against moulds and yeasts, H Jayamurthy, KV Sajna, SG Dastagar & Ashok Pandey, *Indian Journal of Experimental Biology*, 52, 1138 – 1146 (2014) **IF 1.295**
519. Extracellular methionine aminopeptidase (MAP) production by *Streptomyces gedanensis* in solid-state fermentation, R. Rahulan, G. Manjunath, KM Nampoothiri, & Ashok Pandey, *Brazilian Archives of Biology and Technology*, 57, 187 – 193 (2014) **IF 0.551**
520. Mixed cultures fermentation for the production of poly- $\beta$ -hydroxybutyrate, T Shalin, R Sindhu, P Binod, CR Soccol & Ashok Pandey, *Brazilian Archives of Biology and Technology*, 57, 1138 -1146 (2014) **IF 0.551**
521. Solid-state fermentation of food waste mixtures for single cell protein, aroma volatiles and fat production, T Aggelopoulos, K Katsieris, A Bekatoro, Ashok Pandey, IM Banat & AA Koutinas, *Food Chemistry*, 145, 710-716 (2014) **IF 3.259**
522. Kinetic constraints and features imposed by the immobilization of enzymes onto solid matrices: A key to advanced biotransformation, A Foukis, PY Stergiou, M Filuppou, M Koukouritaki, M Parapouli, LG Theodorou, E Hatziloukas, A Afendra, Ashok Pandey & EM Papamichael, Kinetic constraints and features imposed by the immobilization of enzymes onto solid matrices: A key to advanced biotransformation, *Indian Journal of Experimental Biology*, 52, 1045-1051 (2014) **IF 1.295**
523. Isolation, selection and evaluation of yeasts for use in fermentation of coffee beans by the wet process, GVM Pereira, VT Soccol, Ashok Pandey, ABP Medeiros, JMRA Lara, AL Gollo & CR Soccol, *International Journal of Food Microbiology*, 188, 60-66 (2014) **IF 3.155**
524. Extracellular expression of a thermostable phytase (phyA) in *Kluyveromyces lactis*, MV Ushasree, J Vidya & Ashok Pandey, *Process Biochemistry*, 49, 1440-1447 (2014) **IF 2.524**
525. Development of an operational strategy for fermentable sugar production from bamboo (*Dendrocalamus* sp.) for bioethanol production, M Kuttiraja, R Sindhu, VE Preeti, SV Sandhya, P

- Binod, S Vani, RK Sukumaran & Ashok Pandey, *Biomass and Bioenergy*, 59, 142 – 150 (2013) **IF 2.975**
526. A novel surfactant–assisted ultrasound pretreatment of sugarcane tops for improved enzymatic release of sugars, R Sindhu, M Kuttiraja, VE Preeti, S Vani, RK Sukumaran, P Binod & Ashok Pandey, *Bioresource Technology*, 135, 67-72 (2013) **IF 4.758**
527. Identification and characterization of a highly alkaline and thermo-tolerant novel xylanase from *Streptomyces* sp, Leya Thomas, R Sindhu & Ashok Pandey, *Biologia*, 68 (6), 1018-1024 (2013) **IF 0.557**
528. Evaluation of polymeric adsorbent resins for efficient detoxification of liquor generated during acid pretreatment of lignocellulosic biomass, SV Sandhya, K Kiran, M Kuttiraja, VE Preeti, R Sindhu, S Vani, RK Sukumaran, Ashok Pandey & P Binod, *Indian Journal of Experimental Biology*, 51, 1012 – 1017 (2013) **IF 1.295**
529. Highly glucose tolerant  $\beta$ -glucosidase from *Aspergillus unguis* NII 08123 for enhanced hydrolysis of biomass, KP Rajasree, GM Mathew, Ashok Pandey & RK Sukumaran, *Journal of Industrial Microbiology and Biotechnology*, 40, 967 – 975 (2013) **IF 2.321**
530. Biobutanol production from rice straw by a non acetone producing *Clostridium sporogenes* BE01, LD Gottumukkala Parmeswaran, SK Valappil, K Mathiyazhakan, Ashok Pandey & RK Sukumaran, *Bioresource Technology* (2013) **IF 4.758**
531. Studies on biosurfactants from *Pseudozyma* sp. NII 08165 and their potential application as laundry detergent additives KV Sajna, RK. Sukumaran, H Jayamurthy, KK Reddy, S Kanjilal, RBN Prasad & Ashok Pandey, *Biochemical Engineering Journal*, 78, 85-92 (2013) **IF 2.645**
532. Development of a bioprocess strategy for utilizing biodiesel industry generated crude glycerol for the production of poly-3-hydroxybutyrate, J Mathew, R Sindhu, Ashok Pandey & P Binod, *Journal of Scientific and Industrial Research*, 72, 596-602 (2013) **IF 0.587**
533. Microbial synthesis of poly-3-hydroxybutyrate and its application as targeted drug delivery vehicle, A Althuri, J Mathew, R Sindhu, R Banerjee, Ashok Pandey & P Binod, *Bioresource Technology*, (2013) **IF 4.758**
534. Discarded oranges and brewer's spent grains as promoting ingredients for microbial growth by submerged and solid state fermentation of agro-industrial waste mixtures, T Aggelopoulos, A Bekatorou, Ashok Pandey, M Kanellaki & AA Koutinas, *Applied Biochemistry and Biotechnology*, 170, 1885 – 1895 (2013) **IF 1.893**
535. Pentose-rich hydrolysate from acid pretreated rice straw as a carbon source for the production of poly-3-hydroxybutyrate, R Sindhu, N Silviya, P Binod & Ashok Pandey, *Biochemical Engineering Journal*, 78, 67-72 (2013) **IF 2.645**
536. Development of a novel solid-state fermentation strategy for the production of poly-3-hydroxybutyrate using polyurethane foams by *Bacillus sphaericus* NII 0838, NV Ramadas, R Sindhu, P Binod & Ashok Pandey, *Annals of Microbiology*, 63, 1265 - 1274 (2013) **IF 0.689**

537. Studies on structural and physical characteristics of a novel exopolysaccharide from *Pseudozyma* sp. NII 08165, KV Sajna, RK Sukumaran, LD Gottumukkala, H Jayamurthy, KS Dhar & Ashok Pandey, *International Journal of Biological Macromolecules*, 59, 84-89 (2013) **IF 2.596**
538. Fermented *Flourensia cernua* extracts and their in vitro assay against *Penicillium expansum* and *Fusarium oxysporum*, MAD Leon, A Saenz, D Jasso-Cantu, R Rodriguez, Ashok Pandey, CN Aguilar, *Food Technology and Biotechnology*, 51, 233- 239 (2013) **IF 0.977**
539. Amino peptidase from *Streptomyces gedanensis* as a useful tool for protein hydrolyzate preparations with improved functional properties, R Rahulan, K Dhar, KM Nampoothiri & Ashok Pandey, *Journal of Food Science*, 77(7), 791-797 (2012)
540. Antioxidant and hepatoprotective potential of endo-polysaccharides from *Hericium erinaceus* grown on tofu whey, Z Zhang, G Lv, H Pan, Ashok Pandey, W He & L Fan, *International Journal of Biological Macromolecules*, 51 (5) , 1140-1146 (2012)
541. Preparation of poly(l-lactide) blends and biodegradation by *Lentzea waywayandensis*, N Nair, KM Nampoothiri & Ashok Pandey, *Biotechnology Letters*, 34(11), 2031-2035 (2012)
542. Surfactant-assisted acid pretreatment of sugarcane tops for bioethanol production, R Sindhu, MKuttiraja, P Binod, VE Preeti, SVSandhya, SVani, RK Sukumaran & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 167, 1513-1526 (2012)
543. An evaluation of chemical pretreatment methods for improving enzymatic saccharification of chili postharvest residue, VE Preeti, SVSandhya, MKuttiraja, R Sindhu, SVani, RK Sukumaran, P Binod & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 167, 1489-1500(2012)
544. Co-culture of microalgae, Cyanobacteria, and Macromycetes for exopolysaccharides production: Process Preliminary optimization and partial characterization, S Angelis, AC Novak, EB Sydney, VT Soccol, JCCarvalho, Ashok Pandey MD Nosedo & CR Soccol, *Applied Biochemistry and Biotechnology*, 167, 1092-1106(2012)
545. Single-step purification and immobilization of MBP-phytase fusion on starch agar beads: Application in dephytination of soy milk, MVUshasree, P Gunasekaran & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 167, 981-990 (2012)
546. Recombinant expression and characterization of L-Asparaginase II from a moderately thermotolerant bacterial isolate, J Vidya & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 167, 973-980(2012)
547. Energy requirement for alkali assisted microwave and high pressure reactor pretreatments of cotton plant residue and its hydrolysis for fermentable sugar production for biofuel application, S Vani, P Binod, M Kuttiraja, R Sindhu, SV Sandhya, VE Preeti, RK Sukumaran & Ashok Pandey, *Bioresource Technology*, 112, 300-307 (2012) **Cover page paper**
548. Production of potential vaccine against *Dermatobia hominis* for cattle NLM Fernandes, SM Zanata, M Rönna, CR Soccol, Ashok Pandey & VT Soccol, *Applied Biochemistry and Biotechnology*, 167, 412-424 (2012)

549. New horizons in biotechnology – Preface, Ashok Pandey, C Larroche, DJ Lee & CR Soccol, *Applied Biochemistry and Biotechnology*, 167(5), 929-930 (2012)
550. Characterization of a novel leucine amino peptidase from *Streptomyces gedanensis* and its applications for protein hydrolysis, R Rahulan, K Dhar, KM Nampoothiri & Ashok Pandey, *Process Biochemistry*, 47(2), 234-242 (2012)
551. Production of powerful anti-oxidant supplements via solid-state fermentation of wheat (*Triticum aestivum* Linn.) by *Cordyceps militaris*, Z Zhang, G Lv, H Pan, L Fan, CR Soccol & Ashok Pandey, *Food Technology and Biotechnology*, 50(1), 32-39 (2012)
552. Organosolvent pretreatment and enzymatic hydrolysis of rice straw for the production of bioethanol, R Sindhu, P Binod, KU Janu, RK Sukumaran & Ashok Pandey, *World Journal of Microbiology and Biotechnology*, 28, 473-483 (2012)
553. High temperature pretreatment and hydrolysis of cotton stalk for producing sugars for bioethanol production, P Binod, M Kuttiraja, M Archana, KU Janu, R Sindhu, RK. Sukumaran & Ashok Pandey, *Fuel*, 92(1), 340-345 (2012)
554. Short duration microwave assisted pretreatment enhances the enzymatic saccharification and fermentable sugar yield from sugarcane bagasse, P Binod, K Satyanagalakshmi, R Sindhu, KU Janu, RK. Sukumaran & Ashok Pandey, *Renewable Energy*, 37(1), 109-116 (2012)
555. Isolation and characterization of a novel  $\alpha$ -amylase from a metagenomic library of Western Ghats of Kerala, India, J Vidya, S Swaroop, SK Singh, D Alex, RKSukumaran & Ashok Pandey, *Biologia*, 66(6), 939-944 (2011)
556. Dilute acid pretreatment and enzymatic saccharification of sugarcane tops for bioethanol production, R Sindhu, M Kuttiraja, P Binod, KU Janu, RK Sukumaran & Ashok Pandey, *Bioresource Technology*, 102, 10915 – 10921 (2011)
557. Media engineering for the production of poly- $\beta$ -hydroxybutyrate production by *Bacillus firmus* NII 0830, SK Deepthi, P Binod, R Sindhu & Ashok Pandey, *Journal of Scientific and Industrial Research*, 70 (11), 968 – 975 (2011)
558. Studies on physicochemical changes during alkali pretreatment and optimization of hydrolysis conditions to improve sugar yield from bagasse, KU Janu, R Sindhu, P Binod, M Kuttiraja, RK Sukumaran & Ashok Pandey, *Journal of Scientific and Industrial Research*, 70 (11), 952 – 958 (2011)
559. Production and characterization of poly-3- hydroxybutyrate from crude glycerol by *Bacillus sphaericus* NII 0838 and improving its thermal properties by blending with other polymers, R Sindhu, B Ammu, P Binod, SK Deepthi, KB Ramachandran, CR Soccol & Ashok Pandey, *Brazilian Archives of Biology and Technology*, 54 (4), 783 – 794 (2011)
560. Bioethanol production from acid pretreated water hyacinth by separate hydrolysis and fermentation, K Satyanagalakshmi, R Sindhu, P Binod, KU Janu, RK Sukumaran & Ashok Pandey, *Journal of Scientific and Industrial Research*, 70 (2), 156 – 161 (2011)
561. Plant growth promoting potential of *Pontibacter niistensis* in cowpea *Vigna unguiculata* (L. Walp.) SG Dastager, CK Deepa & Ashok Pandey, *Applied Soil Ecology*, 49, 250-255(2011) **IF 2.399**

562. Antitumour activity of *Grifola frondosa* exopolysaccharides produced by submerged fermentation using sugar cane and soy molasses as carbon source, JS Chimilovski, S Habu, RFB Teixeira, VT Soccol, MD Nosedá, ABP Medeiros, Ashok Pandey & CR Soccol, *Food Technology and Biotechnology*, 49(3), 359-363 (2011)
563. Alpha amylase production by *Bacillus amyloliquefaciens* using agro wastes as feed stock, D Gangadharan, KM Nampoothiri & Ashok Pandey, *Food Technology and Biotechnology*, 49(3), 336-340 (2011)
564. A comparative analysis of recombinant expression and solubility screening of two phytases in *E coli*, MV Ushasree, SHB Salim & Ashok Pandey, *Food Technology and Biotechnology*, 49(3), 304-309 (2011)
565. Cloning, functional expression and characterization of L-asparaginase II from *E coli* MTCC 739, J Vidya, MV Ushasree, CR Soccol & Ashok Pandey, *Food Technology and Biotechnology*, 49(3), 286-290 (2011)
566. Application of polymerase chain reaction for high sensitivity detection of roundup ready™ soybean seeds and grains in varietal mixtures, GBA Pinto, M Silva, R Greiner, U Konietzny, CR Soccol, MG Spier, MADSC Filho, Ashok Pandey & VT Soccol, *Food Technology and Biotechnology*, 49(3), 277-285 (2011)
567. Properties of a major  $\beta$ -glucosidase-BGL1 from *Aspergillus niger* NII-08121 expressed differentially in response to carbon sources, Reeta Rani Singhania, RK Sukumaran, KP Rajasree, A Mathew, L Gottumukkala & Ashok Pandey, *Process Biochemistry*, 46(7), 1521-1524 (2011)
568. Production of leucine amino peptidase in lab scale bioreactors using *Streptomyces gedanensis*, R Rahulan, KS Dhar, KM Nampoothiri & Ashok Pandey, *Bioresource Technology*, 102(17), 8171-8178 (2011)
569. Growth enhancement of black pepper (*Piper nigrum* L.) by a newly isolated *Bacillus tequilensis* NII-0943, SG Dastager, CK Deepa & Ashok Pandey, *Biologia*, 66(5), 801-806 (2011)
570. Potential plant growth-promoting activity of *Serratia nematodiphila* NII-0928 on black pepper (*Piper nigrum* L.), SG Dastager, CK Deepa & Ashok Pandey, *World Journal of Microbiology and Biotechnology*, 27(2), 259-265 (2011)
571. *Paracoccus niistensis* sp nov., isolated from forest soil, India, SG Dastager, CK Deepa, WJ Li, SK Tang & Ashok Pandey, *Antonie van Leeuwenhoek Journal of General and Molecular Microbiology*, 99(3), 501-506 (2011) IF 1.983
572. Proline-specific extracellular aminopeptidase purified from *Streptomyces lavendulae*, A Nandan, Ashok Pandey & KM Nampoothiri, *Applied Biochemistry and Biotechnology*, 163, 994-1001 (2011)
573. An improved bioprocess for extracellular L-leucine amino peptidase production using *Streptomyces gedanensis*, Raji Rahulan, Ashok Pandey & KM Nampoothiri, *Current Microbiology*, 62, 1009-1016 (2011)

574. Bioethanol production from acid pretreated water hyacinth by separate hydrolysis and fermentation, K Satyanagalakshmi, R Sindhu, P Binod, KU Janu, RK Sukumaran & Ashok Pandey, *Journal of Scientific & Industrial Research*, 70 (2), 156-161 (2011)
575. Application of the biorefinery concept to produce L-lactic acid from the soybean vinasse at laboratory and pilot scale, SG Karp, AH Igashiyama, PF Siqueira, JC Carvalho, LPS Vandenberghe, VT Soccol, J Coral, JL Tholozan, Ashok Pandey & CR Soccol, *Bioresource Technology*, 102(2), 1765-1772 (2011)
576. Pretreatment of Douglas fir wood biomass for improving saccharification efficiencies, Reeta Rani Singhania, S Chiesa, RK Sukumaran, JD Villegas, AK Patel, E Gnansounou & Ashok Pandey, *ASTM Special Technical Publication*, 1477, 518-529 (2011)
577. *Pontibacter niistensis* sp. nov., isolated from forest soil in India, SG Dastager, QS Raziuddin, CK Deepa, WJ Li & Ashok Pandey, *International Journal of Systematic Evolutionary Microbiology*, 60(12), 2867-2870 (2010)
578. Plant growth-promoting activity in newly isolated *Bacillus thioparas* (NII-0902) from Western ghat forest, India, CK Deepa, SG Dastager & Ashok Pandey, *World Journal of Microbiology and Biotechnology*, 26(12), 2277-2283 (2010)
579. Arginine specific aminopeptidase from *Lactobacillus brevis*, A Nandan, A Gaurav, Ashok Pandey & KM Nampoothiri, *Brazilian Archives of Biology and Technology*, 53(6), 1443-1450 (2010)
580. *Nocardioides mesophilus* sp. nov., isolated from soil, SG Dastager, JC Lee, Ashok Pandey & CJ Kim, *International Journal of Systematic Evolutionary Microbiology*, 60, 2288-2291 (2010)
581. Isolation and characterization of novel plant growth promoting *Micrococcus* sp NII-0909 and its interaction with cowpea, SG Dastager, CK Deepa & Ashok Pandey, *Plant Physiology and Biochemistry*, 48(12), 987-992 (2010) IF 2.485
582. Formic acid as a potential pretreatment agent for the conversion of sugarcane bagasse to bioethanol, R Sindhu, P Binod, K Satyanagalakshmi, KU Janu, KV Sajna, N Kurien, RK Sukumaran & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 162(8), 2313-2323 (2010)
583. A statistical approach for optimization of polyhydroxybutyrate production by *Bacillus sphaericus* NCIM 5149 under submerged fermentation using central composite design, NV Ramadas, CR Soccol & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 162(3), 996-1007 (2010)
584. Folate-producing lactic acid bacteria from cow's milk with probiotic characteristics, D Gangadharan, S Sivaramakrishnan, Ashok Pandey & KM Nampoothiri, *International Journal of Dairy Technology*, 63(3), 339-348 (2010)
585. Computational fluid dynamics modelling of gas dispersion in multi impeller bioreactor, SU Ahmed, P Ranganathan, Ashok Pandey & S Savithiri, *Journal of Bioscience and Bioengineering*, 109(6), 588-597 (2010)
586. Isolation and characterization of plant-growth promoting rhizobacteria from non-rhizospheric soil and their effect on cowpea (*Vigna unguiculata* (L.) Walp.) seedling growth, CK Deepa, SG Dastager & Ashok Pandey, *World Journal of Microbiology Biotechnology*, 26(7), 1233-1240 (2010)



587. Molecular cloning, over-expression and characterization of the raw starch digesting alpha-amylase of *Bacillus amyloliquefaciens*, D Gangadharan, P Ramachandran, P Gunasekaran, Ashok Pandey & KM Nampoothiri, *Biologia- Cellular and Molecular Biology*, 65(3), 392-398 (2010)
588. Potential carbon dioxide fixation by industrially important microalgae, EB Sydney, W Sturm, JCde Carvalho, VT Soccol, C Larroche, Ashok Pandey & CR Soccol, *Bioresource Technology*, 101(14), 5892-5896 (2010)
589. Characterization of plant-growth promoting rhizobacteria *Exiguobacterium* NII-0906 and its growth promotion on cowpea (*Vigna unguiculata* (L.) Walp.), SG Dastager, CK Deepa & Ashok Pandey, *Biologia-Cellular and Molecular Biology*, 65(2), 197-203(2010)
590. Investigation on  $\alpha$ -galactosidase production by *Streptomyces griseoloalbus* in a forcefully aerated packed-bed bioreactor operating in solid-state fermentation condition, GS Anisha, RP John, P Prema & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 160(2), 421-427 (2010)
591. Bioethanol from water hyacinth biomass: an evaluation of enzymatic saccharification strategy, US Aswathy, RK Sukumaran G Lalitha Devi, KP Rajasree, Reeta Rani Singhanian & Ashok Pandey, *Bioresource Technology*, 101(3), 925-930 (2010)
592. Isolation and characterization of high-strength phenol degrading novel bacterium of *Pantoea* genus, Syed G Dastager, CK Deepa & Ashok Pandey, *Bioremediation Journal*, 13(4), 171-179(2009)
593. Isolation and characterization of plant growth-promoting strain *Pantoea* NII-186 from Western *ghat* forest soil, India, SG Dastager, CK Deepa, CS Nautiyal, C Puneet & Ashok Pandey, *Letters in Applied Microbiology*, 49(1), 20-25(2009)
594. Compactin production studies using *Penicillium brevicompactum* under solid-state fermentation conditions NS Shaligram, SK Singh, RS Singhal, Ashok Pandey & G Szakacs, *Applied Biochemistry and Biotechnology*, 159(2), 505-520 (2009)
595. Polyphasic taxonomy of novel *Actinobacteria* showing macromolecule degradation potentials in Bigeum Island, Korea, SG Dastager, Ashok Pandey, JC Lee, WJ Li & CJ Kim, *Current Microbiology*, 59(1), 21-29 (2009)
596. Biosynthesis of silver nanoparticles using aqueous extract from the compactin producing fungal strain, NS Shaligram, M Bule, R Bhambure, RS Singhal, SK Singh, G Szakacs & Ashok Pandey, *Process Biochemistry*, 44(8), 939-943(2009)
597. Biochemical characterization of raw-starch-digesting alpha amylase purified from *Bacillus amyloliquefaciens*, D Gangadharan, KM Nampoothiri, S Sivaramakrishnan & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 158(3), 653-662 (2009)
598. Effect of precultural and nutritional parameters on compactin production by solid-state fermentation, NS Shaligram, SK Singh, RS Singhal, G Szakacs & Ashok Pandey, *Journal of Microbiology and Biotechnology*, 19(7), 690-697 (2009)
599. Improvement on citric acid production in solid-state fermentation by *Aspergillus niger* LPB BC mutant using citric pulp, C Rodrigues, LPS Vandenberghe, J Teodoro, Ashok Pandey & CR Soccol, *Applied Biochemistry and Biotechnology*, 158 (1), 72-87 (2009)

600. Improving fruity aroma production by fungi in SSF using citric pulp, SC Rossi, LPS Vandenberghe, BMP Pereira, FD Gago, JA Rizzolo, Ashok Pandey, CR Soccol & ABP Medeiros, *Food Research International*, 42(4), 484-486 (2009)
601. Utilization of soybean vinasse for  $\alpha$ -galactosidase production, CTN Sanada, SG Karp, MR Spier, AC Portella, PM Gouvêa, CT Yamaguishi, LPS Vandenberghe, Ashok Pandey & CR Soccol, *Food Research International*, 42(4), 476-483 (2009)
602. Enzymatic synthesis of banana flavour (isoamyl acetate) by *Bacillus licheniformis* S-86 esterase, S Torres, MD Baigorí, SL Swathy, Ashok Pandey & GR Castro, *Food Research International*, 42(4), 454-460 (2009)
603. Enrichment of gamma linolenic acid in the lipid extracted from *Mucor zychnae* MTCC 5420, SU Ahmed, KK Reddy, SL Swathy, SK Singh, S Kanjilal, RBN Prasad & Ashok Pandey, *Food Research International*, 42(4), 449-453 (2009)
604. Immobilized bacterial  $\alpha$ -amylase for effective hydrolysis of raw and soluble starch, D Gangadharan, KM Nampoothiri, S Sivaramkrishnan & Ashok Pandey, *Food Research International*, 42(4), 436-442 (2009)
605. Biotechnological process for producing black bean slurry without stachyose, CT Yamaguishi, CT Sanada, PM Gouvêa, Ashok Pandey, AL Woiciechowski, JL Parada & CR Soccol, *Food Research International*, 42(4), 425-429 (2009)
606. Phytodegradation potential of *Erythrina crista-galli* L., Fabaceae, in petroleum-contaminated soil, Vanessa de Farias, LT Maranhão, EC de Vasconcelos, MASC Filho, LG Lacerda, JAM Azevedo, Ashok Pandey & CR Soccol, *Applied Biochemistry and Biotechnology*, 157(1), 10-22 (2009)
607. Application of response surface method for studying the role of dissolved oxygen and agitation speed on gamma-linolenic acid production, SU Ahmed, SK Singh, Ashok Pandey, S Kanjilal & RBN Prasad, *Applied Biochemistry and Biotechnology*, 158(1), 108-116 (2009)
608. Production and partial purification of  $\alpha$ -amylase from a novel isolate *Streptomyces gulbargensis*, SG Dastager, A Dayanand & Ashok Pandey, *Journal of Industrial Microbiology & Biotechnology*, 36(2), 189-194 (2009)
609. Polyhydroxybutyrate production using agro-industrial residue as substrate by *Bacillus sphaericus* NCIM 5149, Nisha V Ramadas, SK Singh, CR Soccol & Ashok Pandey, *Brazilian Archives of Biology and Technology*, 52(1), 17-23 (2009)
610. An organic solvent tolerant esterase from thermophilic *Bacillus licheniformis* S-86, S Torres, MA Martinez, Ashok Pandey & GR Castro, *Bioresource Technology*, 100(2), 890-895 (2009)
611. Statistical optimization of L-leucine amino peptidase production from *Streptomyces gedanensis* IFO 13427 under submerged fermentation using response surface methodology, R Rahulan, KM Nampoothiri, G Szakacs, V Nagy & Ashok Pandey, *Biochemical Engineering Journal*, 43(1), 64-71 (2009)

612. Cellulase production using biomass feed stock and its application in lignocellulose saccharification for bioethanol production, RK Sukumaran, Reeta Rani Singhanian, GM Mathew & Ashok Pandey, *Renewable Energy*, 34(2), 421-424 (2009)
614. Molecular cloning, over-expression and biochemical characterization of hypothetical beta lactamases of *Mycobacterium tuberculosis* H37Rv, KM Nampoothiri, R Rubex, AK Patel, SS Narayanan, S Krishna, SM Das & Ashok Pandey, *Journal of Applied Microbiology*, 105(1), 59-67 (2008)
615. L(+)-Lactic acid recovery from cassava bagasse based fermented medium using anion exchange resins, RP John, KM & Ashok Pandey, *Brazilian Archives of Biology and Technology*, 51(6), 1241-1248 (2008)
616. Fatty acid profiling during microbial lipid production under varying  $pO_2$  and impeller tip speeds, SU Ahmed, SK Singh, Ashok Pandey, S Kanjilal & RBN Prasad, *Applied Biochemistry and Biotechnology*, 151(2-3), 599-609 (2008)
617. Effect of organic solvents on immobilized lipase in pectin microspheres, L Costas, VE Bosio, Ashok Pandey & GR Castro, *Applied Biochemistry and Biotechnology*, 151(2-3), 587-598 (2008)
618. **Fed-batch production of gluconic acid by terpene-treated *Aspergillus niger* spores**, Sumitra Ramachandran, P Fontanille, Ashok Pandey & CLarroche, *Applied Biochemistry and Biotechnology*, 151 (2-3), 413-423 (2008)
619. **Selection and optimization of *Bacillus atrophaeus* inoculum medium and its effect on spore yield and thermal resistance**, SRBR Sella, REF Dlugokenski, BP Guizelini, LPS Vandenberghe, ABP Mediros, Ashok Pandey & CRSoccol, *Applied Biochemistry and Biotechnology*, 151 (2-3), 380-392 (2008)
620. Batch fermentation model of propionic acid production by *Propionibacterium acidipropionici* in different carbon sources, J Coral, SG Karp, LPS Vandenberghe, JL Parada, Ashok Pandey & CR Soccol, *Applied Biochemistry and Biotechnology*, 151(2-3), 333-341 (2008)
621. Production and characterization of the exopolysaccharides produced by *Agaricus brasiliensis* in submerged fermentation, LFO Lima, S Habu, JC Gern, BM Nascimento, JL Parada, MD Nosedá, AG Gonsalves, VR Nisha, Ashok Pandey, VT Soccol & CR Soccol, *Applied Biochemistry and Biotechnology*, 151(2-3), 283-294 (2008)
622. Production and purification of a solvent-resistant esterase from *Bacillus licheniformis* S-86, S Torres, MD Baigorí, Ashok Pandey & GR Castro, *Applied Biochemistry and Biotechnology*, 151(2-3), 221-232 (2008)
623. **Cellulase production under solid-state fermentation by *Trichoderma reesei* RUT C30: Statistical optimization of process parameters**, NK Mekala, RRSinghanian, Reeta Rani Singhanian, RK Sukumaran & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 151(2-3), 122-131(2008)
624. Biodegradation of polycyclic aromatic hydrocarbons by laccase of *Pycnoporus sanguineus* and toxicity evaluation of treated PAH, U Munusamy, V Sabaratnam, S Muniandy, N Abdullah, Ashok Pandey & EBG Jones, *Biotechnology*, 7(4), 669-677 (2008)

625. Exploration of fungal spores as a possible storehouse of proteolytic biocatalysts, A Sumantha, C Larroche & Ashok Pandey, *World Journal of Microbiology and Biotechnology*, 24, 2897-2901(2008)
626. Production of bioethanol from soybean molasses by *Saccharomyces cerevisiae* at laboratory, pilot and industrial scales, PF Siqueira, SG Karp, JC Carvalho, W Sturm, JA Rodríguez-León, JL Tholozan, Reeta Rani Singhanian, Ashok Pandey & CR Soccol, *Bioresource Technology*, 99(17), 8156-8163 (2008)
627. Effect of light on growth, pigment production and culture morphology of *Monascus purpureus* in solid-state fermentation, S Babitha, JC Carvalho, CR Soccol & Ashok Pandey, *World Journal of Microbiology and Biotechnology*, 24(11), 2671-2675(2008)
628. Characterization of laccase from *Pycnoporus sanguineus* KUM 60953 and KUM 60954, U Munusamy, V Sabaratnam, S Muniandy, N Abdullah, Ashok Pandey & EBG Jones, *Journal of Biological Sciences*, 8(5), 866-873 (2008)
629. Compactin production in solid-state fermentation using orthogonal array method by *P. brevicompactum*, NS Shaligram, SK Singh, RS Singhal, G Szakacs & Ashok Pandey, *Biochemical Engineering Journal*, 44(3), 295-300 (2008)
630. Stability of glucose oxidase activity of *Aspergillus niger* spores produced by solid-state fermentation and their role as biocatalyst in bioconversion reaction, Sumitra Nair, P Fontanille, Ashok Pandey & C Larroche, *Food Technology and Biotechnology*, 46(2), 190-194(2008)
631. Xylanase production by *Aspergillus niger* LPB 326 in solid-state fermentation using statistical experimental design, GM Maciel, LPS Vandenberghe, CWI Haminiuk, RC Fendrich, BED Bianca, TQD Brandalize, Ashok Pandey & CR Soccol, *Food Technology and Biotechnology*, 46(2), 183-189(2008)
632. Phytase production using citric pulp and other residues of the agro-industry in SSF by fungal isolates, MR Spier, R Greiner, JA Rodríguez-Leon, AL Woiciechowski, Ashok Pandey, VT Soccol & CR Soccol, *Food Technology and Biotechnology*, 46(2), 178-182(2008)
633. Response surface methodology for the optimization of alphaamylase production by *Bacillus amyloliquefaciens*, D Gangadharan, S Sivaramakrishnan, KM Nampoothiri, RK Sukumaran & Ashok Pandey, *Bioresource Technology*, 99, 4597-4602 (2008)
634. Permeabilization and inhibition of the germination of spores of *Aspergillus niger* for gluconic acid production from glucose, Sumitra Ramachandran, P Fontanille, Ashok Pandey, C Larroche, *Bioresource Technology*, 99, 4559-4565 (2008)
635. Production of L-leucine aminopeptidase by selected *Streptomyces* isolates, V Nagy, KM Nampoothiri, Ashok Pandey, R Rahulan & G Szakacs, *Journal of Applied Microbiology*, 104, 380-387 (2008)
636. Evaluation of fungal culture filtrate containing chitinase as a biocontrol agent against *Helicoverpa armigera*, P Binod, RK Sukumaran, SV Shirke, JC Rajput & Ashok Pandey, *Journal of Applied Microbiology*, 103(5), 1845-1852(2007)

637. Statistical optimization of simultaneous saccharification and L (+)-lactic acid fermentation from cassava bagasse using mixed culture of lactobacilli by response surface methodology, RP John, RK Sukumaran, KM Nampoothir & Ashok Pandey, *Biochemical Engineering Journal*, 36(3), 262-267 (2007)
638. Improved cellulase production by *Trichoderma reesei* RUT C30 under SSF through process optimization, Reeta Rani Singhania, RK Sukumaran & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 142, 60-70 (2007) IF 1.7
639. Identification and phylogenetic analysis of the TEM gene from the soil isolates, SK Singh, AK Patel, SU Ahmed, KM Nampoothiri & Ashok Pandey, *Journal of Scientific and Industrial Research*, 66(8), 660-666(2007)
640. Polyurethane foam as an inert carrier for the production of L(+) lactic acid by *Lactobacillus casei* under solid-state fermentation, RP John, KM Nampoothiri & Ashok Pandey, *Letters in Applied Microbiology*, 44(6), 582-587 (2007)
641. Alpha amylase production by *Aspergillus oryzae* employing solid-state fermentation, S Sivaramakrishnan, DGangadharan, KM Nampoothiri, CR Soccol & Ashok Pandey, *Journal of Scientific and Industrial Research*, 66(8), 621-626(2007)
642. Effect of stress on growth, pigment production and morphology of *Monascus* sp. in solid cultures, S Babitha, CR Soccol & Ashok Pandey, *Journal of Basic Microbiology*, 47(2), 118-126(2007)
643. Fungal biosynthesis of endochitinase and chitobiase in solid-state fermentation and their application for the production of N-acetyl-d-glucosamine from colloidal chitin, P Binod, C Sandhya, P Suma, G Szakacs & Ashok Pandey, *Bioresource Technology*, 98(14), 2742-2748(2007) IF 3.108
644. Effect of substrates on the production of *Monascus* biopigment by solid-state fermentation and pigment extraction using different solvents, JC Carvalho, BO Oishi, AL Woiciechowski, Ashok Pandey, S Babitha & CR Soccol, *Indian Journal of Biotechnology*, 6(2), 194-199 (2007)
645. Spores of *Aspergillus niger* as reservoir of glucose oxidase synthesized during solid-state fermentation and their use as catalyst in gluconic acid production, Sumitra Ramachandran, P Fontanille, Ashok Pandey & C Larroche, *Letters in Applied Microbiology*, 44(2), 155-160(2007)
646. Production of L(+) lactic acid from cassava starch hydrolyzate by immobilized *Lactobacillus delbrueckii*, RP John, KM Nampoothiri & Ashok Pandey, *Journal of Basic Microbiology*, 47(1), 25-30 (2007)
647. Solid-state fermentation for the production of *Monascus* pigments from jackfruit seed, S Babitha, CR Soccol & Ashok Pandey, *Bioresource Technology*, 98(8), 1561-1566(2007)
648. Effect of nutritional and environmental conditions on production of exo-polysaccharide by *Agaricus brasiliensis* by submerged fermentation and its antitumor activity, L Fan, AT Soccol, Ashok Pandey & CR Soccol, *LWT Food Science & Technology*, 40(1), 30-35 (2007)
649. Simultaneous saccharification and L(+)-lactic acid fermentation of protease-treated wheat bran using mixed culture of lactobacilli, RP John, KM Nampoothiri & Ashok Pandey, *Biotechnology Letters*, 28(22), 1223-1226(2006)

650. Effect of caffeine and tannins on cultivation and fructification of *Pleurotus* on coffee husks, L Fan, AT Soccol, Ashok Pandey, LPS Vandenberghe & CR Soccol, *Brazilian Journal of Microbiology*, 37:420-424 (2006)
651. Statistical approach to optimization of fermentative production of gellan gum from *Sphingomonas paucimobilis* ATCC 31461, IB Bajaj, PS Saudagar, RS Singhal & Ashok Pandey, *Journal of Bioscience and Bioengineering*, 102, 150-156 (2006)
652. Jackfruit seed – A novel substrate for the production of *Monascus* pigments through solid-state fermentation, S Babitha, C R. Soccol & Ashok Pandey, *Food Technology and Biotechnology*, 44(4), 465-471 (2006)
653. Rice bran as a substrate for proteolytic enzyme production, A Sumantha, Paul Deepa, C Sandhya, G Szakacs, CR Soccol & Ashok Pandey, *Brazilian Archives of Biology and Technology*, 49(5), 843-851 (2006)
654. Simultaneous saccharification and fermentation of cassava bagasse for L(+)lactic acid production using lactobacilli, RP John, KM Nampoothiri & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 134(3), 263-272(2006)
655. Solid-state fermentation of lignocellulosic substrates for cellulase production by *Trichoderma reesei* NRRL 11460, Reeta Rani Singhanian, RK Sukumaran, A Pillai, P Prema, George Szakacs & Ashok Pandey, *Indian Journal of Biotechnology*, 5(3), 332-336 (2006)
656. Effect of various process parameters for the production of gamma linoleic acid in submerged fermentation, SU Ahmed, SK Singh, Ashok Pandey, S Kanjilal, RBN Prasad, *Food Technology and Biotechnology*, 44(2), 283-288 (2006)
657. Solid culturing of *Bacillus amyloliquefaciens* for alpha amylase production, D Gangadharan, S Sivaramakrishnan, KM Nampoothiri, Ashok Pandey, *Food Technology and Biotechnology*, 44(2), 269-274 (2006)
658. Relation between growth, respirometric analysis and biopigments production from *Monascus* by solid-state fermentation, JC Carvalho, Ashok Pandey, BO Oishi, D Brand, JAR Léon, CR Soccol, *Biochemical Engineering Journal*, 29(3), 262-269 (2006)
659. Solid-state fermentation for L-lactic acid production from agro wastes using *Lactobacillus delbrueckii*, RP John, KM Nampoothiri & Ashok Pandey, *Process Biochemistry*, 41(4), 959-963(2006)
660. Comparison of phytase production on wheat bran and oilcakes in solid-state fermentation by *Mucor racemosus*, K Roopesh, Sumitra Ramachandran, KM Nampoothiri, G Szakacs & Ashok Pandey, *Bioresource Technology*, 97(3), 506-511(2006)
661. Production and recovery of aroma compounds produced by solid-state fermentation using different adsorbents, ABP Medeiros, Ashok Pandey, LPS Vandenberghe, GM Pastore & CR Soccol, *Food Technology and Biotechnology*, 44(1), 47-51 (2006)

662. Productivity of laccase in solid substrate fermentation of selected agro-residues by *Pcynosporus sanguineus*, S. Vikineswary, N Abdullah, M. Renuthavathani, M. Sekaran, Ashok Pandey & EBG Jones, *Bioresource Technology*, 97(1), 171-177(2006)
663. Tannase production by *Lactobacillus* sp. ASR-S1 under solid-state fermentation, A. Sabu, C. Augur, C Swathi & Ashok Pandey, *Process Biochemistry*, 41(30), 575-580 (2006)
664. Biopigments from *Monascus*: Strains selection, citrinin production and colour stability, JC Carvalho, BO Oishi, Ashok Pandey & CR Soccol, *Brazilian Archives of Biology and Technology*, 48(6), 885-894 (2005)
665. Production and partial purification of a neutral metalloprotease by fungal mixed substrate fermentation, A Sumantha, C Sandhya, G Szakacs, CR. Soccol & Ashok Pandey, *Food Technology and Biotechnology*, 43 (4) 313-319 (2005)
666. L-leucine aminopeptidase production by filamentous *Aspergillus* fungi, KM Nampoothiri, V Nagy, K Kovacs, G. Szakacs and Ashok Pandey, *Letters in Applied Microbiology*, 41, 498-504(2005)
667. Microbial synthesis of chitinase in solid cultures and its potential as biocontrol agent phytopathogenic fungus *Colletotrichum gloeosporioides*, C Sandhya, P Binod, G Szakacs & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 127(1), 1-16(2005)
668. Purification, characterization and some studies on secondary structure of tannase from *Aspergillus awamori nkcawawa*, K Mahapatra, RK Nanda, R Banerjee, Ashok Pandey & G Szakacs, *Process Biochemistry*, 40, 3251-3254 (2005)
669. L(+)- lactic acid production using *Lactobacillus casei* in solid-state fermentation, Rojan P John, KM Nampoothiri, A Syamaprasad & Ashok Pandey, *Biotechnology Letters*, 27, 1685-1688(2005)
670. Partial purification and characterization of alpha amylase produced by *Aspergillus oryzae* using spent-brewing grains, AK Patel, KM Nampoothiri, Sumitra Ramachandran, G Szakacs & Ashok Pandey, *Indian Journal of Biotechnology*, 4(3), 336-341 (2005)
671. Purification and characterization of tannin acyl hydrolase from *Aspergillus niger* ATCC 16620, A Sabu, GS Kiran & Ashok Pandey, *Food Technology and Biotechnology*, 43(2), 133-138(2005)
672. Comparative study on amidase production by free and immobilized *E coli* cells, KM Nampoothiri, K Roopesh, S Chacko & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 120(2), 97-108 (2005)
673. Production and purification of extra-cellular chitinase from *Penicillium aculeatum* NRRL 2129 under solid-state fermentation, P Binod, T Pusztahelyi, V Nagy, C Sandhya, G Szakacs, I Pócsi & Ashok Pandey, *Enzyme and Microbial Technology*, 36(7), 880-887 (2005)
674. Comparative evaluation on neutral protease production by *Aspergillus oryzae* in submerged and solid-state fermentation, C Sandhya, A Sumantha, G Szakacs & Ashok Pandey, *Process Biochemistry*, 40(8), 2689-2694(2005)
675. Tamarind seed powder and palm kernel cake: Two novel agro residues for the production of tannase under solid-state fermentation by *Aspergillus niger* ATCC 16620, A Sabu, Ashok Pandey, MJ Daud & G Szakacs, *Bioresource Technology*, 96(11), 1223-1228(2005)

676. Mixed substrate fermentation for the production of phytase by *Rhizopus* sp using oilcakes as substrates, Sumitra Ramachandran, K Roopesh, KM Nampoothiri, G Szakacs & Ashok Pandey, *Process Biochemistry*, 40(5), 1749-1754 (2005)
677. Eco-epidemiological survey of *Leishmania (Viannia) braziliensis* American cutaneous and mucocutaneous leishmaniasis in Ribeira Valley river, Parana State, Brazil, EAD Castro, E Luz, FO Telles, Ashok Pandey, A Biseto, M Dinaiski, I Sbalqueiro & VT Soccol, *Acta Tropica*, 93, 141-149 (2005)
678. Kinetics of *Gibberella fujikuroi* growth and gibberellic acid production by solid-state fermentation in packed bed column bioreactor, CMM Machado, BO Oishi, Ashok Pandey & CR Soccol, *Biotechnology Progress*, 20, 1449-1453 (2004)
679. Use of sugarcane bagasse as an alternative low cost support material during the rooting stage of apple micro-propagation, R Mohan, CR Soccol, MGG Quoirin & Ashok Pandey, *In-vitro Cellular & Developmental Biology- Plant, USA*, 44(4), 408-411 (2004)
680. Process optimization for antifungal chitinase production by *Trichoderma harzianum*, KM Nampoothiri, TV Baiju, C Sandhya, A Sabu, G Szakacs & Ashok Pandey, *Process Biochemistry*, 1583-1590 (2004)
681. Xanthan gum production from cassava bagasse hydrolysate with *Xanthomonas campestris* using alternative sources of nitrogen, AL Woiciechowski, CR Soccol, SN Rocha & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 118 (1-3), 305-312 (2004)
682. Comparison of citric acid production by solid-state fermentation in flask, column, tray, and drum bioreactors, LPS Vandenberghe, CR Soccol, FC Prado & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 118 (1-3), 293-304 (2004)
683. Thermostable phytase production by *Thermoascus aurantiacus* in submerged fermentation, KM Nampoothiri; GJ Tomes, K Roopesh; G Szakacs; V Nagy; CR Soccol & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 118 (1-3). 205-214 (2004)
684. Production of chitinolytic enzymes with *Trichoderma longibrachiatum* IMI 92027 in solid substrate fermentation, K Kovacs, G Szakacs, T Pusztahelyi & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 118 (1-3), 189-204 (2004)
685. Development of a bionematicide with *Paecilomyces lilacinus* to Control *Meloidogyne incognita*, D Brand, S Roussos, Ashok Pandey, PC Zilioli, J Pohl & CR Soccol, *Applied Biochemistry and Biotechnology*, 118 (1-3). 81-88 (2004)
686. Conidia production of *Beauveria* sp by solid-state fermentation for biocontrol of *Ilex paraguariensis* caterpillars, HS Dalla Santa, NJ Sousa, D Brand, OR Dalla Santa, Ashok Pandey, M Sobotka, J Paca & CR Soccol, *Folia Microbiologica*, 49(4), 204-208 (2004)
687. Coconut oil cake—a potential raw material for the production of alphaamylase, Sumitra Ramachandran, AK Patel, KM Nampoothiri, F Francis, V Nagy, G Szakacs & Ashok Pandey, *Bioresource Technology*, 93(2), 169-174 (2004)



688. Relation between citric acid production and respiration rate of *Aspergillus niger* in solid-state fermentation,  
FC Prado, LPS Vandenberghe, C Lisboa, J Paca, Ashok Pandey & CR Soccol, *Engineering in Life Sciences*, 4 (2), 179-186 (2004)
689. Alpha amylase from a fungal culture grown on oil cakes and its properties, Sumitra Ramachandran, AK Patel, KM Nampoothiri, C Sandhya, G Szakacs, CR Soccol & Ashok Pandey, *Brazilian Archives of Biology and Technology*, 47(2), 309-318 (2004)
690. Conidia production of *Beauveria* sp by solid-state fermentation for biocontrol of *Ilex paraguariensis* caterpillars, HS Dalla Santa, NJ Sousa, OR Dalla Santa, Ashok Pandey, M Sobotka, J Paca & CR Soccol, *Folia Microbiologica*, 49(4), 418-422 (2004)
691. Effect of inoculation of *Azospirillum* sp in maize seeds under fields conditions, OR Dalla Santa, CR Soccol, P Ronzelli Jr, RF Hernandez, GLM Alvarez, HS Dalla Santa & Ashok Pandey, *Journal of Food, Agriculture and Environment*, 2(1), 238-242 (2004)
692. Extra-cellular chitinase production by *Trichoderma harzianum* in submerged fermentation, C Sandhya, Leela Krishna Adapa, KM Nampoothiri, P Binod, G Szakacs & Ashok Pandey, *Journal of Basic Microbiology*, 44 (1), 49-58 (2004)
693. Phytase production in solid-state fermentation, A Sabu, KM Nampoothiri, P Latha, V Kannan, G Szakacs & Ashok Pandey, In- *New Horizons in Biotechnology*, S Roussos, CR Soccol, C Augur & A Pandey (eds), Kluwer Academic Publishers, Dordrecht, The Netherlands, pp. 27-34 (2003)
694. Chitinolytic activity of a *Trichoderma harzianum* strain showing antifungal activity, KM Nampoothiri, TV Baiju, C Sandhya, A Sabu, G Szakacs and Ashok Pandey, *Process Biochemistry*, 38, 1513-1519 (2003)
695. Biosynthesis of rifamycin SV by *Amycolatopsis mediterranei* MTCC17 in solid cultures, PS Murali Krishna, G Venkateswarlu, Ashok Pandey & LV Rao, *Biotechnology and Applied Biochemistry*, 37, 311-315 (2003)
696. Production of phytase by *Mucor racemosus* in solid-state fermentation, B Bogar, G Szakacs, Ashok Pandey, A Sabu, JC Linden & RP Tengerdy, *Biotechnology Progress*, 19, 312-319 (2003)
697. Optimization of phytase production by solid substrate fermentation, B Bogar, G Szakacs, JC Linden, Ashok Pandey & RP Tengerdy, *Journal of Industrial Microbiology and Biotechnology*, 30, 183-189(2003)
698. Fermentative production of gellan using *Sphingomonas paucimobilis*, KM Nampoothiri, RR Singhanian, C Sabarinath & Ashok Pandey, *Process Biochemistry*, 38(11), 1513-1519(2003)
699. Production of polysaccharide by culinary-medicinal mushroom *Agaricus brasiliensis* S. Wasser et al. LPB 03 (Agaricomycetidae) in submerged fermentation and its antitumor effect, L Fan, AT Soccol, Ashok Pandey, S Germano, R Rau, AL Pedraso & CR Soccol, *International Journal of Medicinal Mushrooms*, 5, 17-23 (2003)

700. Use of response surface methodology for optimizing process parameters for the production of alpha amylase by *Aspergillus oryzae*, F Francis, A Sabu, KM Nampoothiri, Sumitra Ramachandran, S Ghosh, G Szakacs & Ashok Pandey, *Biochemical Engineering Journal*, 15, 107-115 (2003)
701. Cultivation of *Pleurotus* mushrooms on Brazilian coffee husk and effects of caffeine and tannic acid, L Fan, A T Soccol, Ashok Pandey & C R Soccol, *Mycologia Applicada International*, 15 (1), 15-21 (2003)
702. Characterization and stability of proteases from *Penicillium* sp. produced by solid-state fermentation, S Germano, Ashok Pandey, CA Osaku, SN Rocha & CR. Soccol, *Enzyme and Microbial Technology*, 32(2), 246-251(2003)
703. Production of alpha amylase with *Aspergillus oryzae* on spent brewing grains by solid-state fermentation. B Bogar, George Szakacs, RP Tengerdy, JC Linden & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 102-103, 453-463(2002)
704. Solid-state fermentation for the production of phytase by *Rhizopus oligosporus*. A Sabu, S Sarita, Ashok Pandey, B Bogar, George Szakacs & CR Soccol, *Applied Biochemistry and Biotechnology*, 102-103, 251-260(2002)
705. Gibberellic acid production by solid-state fermentation in coffee husk, CMM. Machado, CR Soccol, BH de Oliveira & Ashok Pandey, *Applied Biochemistry and Biotechnology*, 102-103, 179-192(2002)
706. Relationship between coffee husk caffeine degradation and respiration of *Aspergillus* sp in solid-state fermentation, D Brand, Ashok Pandey, JA Rodriguez-Leon, S Roussos, I Brand & CR. Soccol, *Applied Biochemistry and Biotechnology*, 102-103, 169-178(2002)
707. Synthesis of alpha-amylase by *Aspergillus oryzae* in solid-state fermentation, F Francis, A Sabu, KM Nampoothiri, G Szakacs & Ashok Pandey, *Journal of Basic Microbiology*, 42 (3), 322-326 (2002)
708. Extra-cellular L-glutaminase production by *Zygosaccharomyces rouxii* under solid-state fermentation, P Kashyap, A. Sabu, Ashok Pandey, G Szakacs & CR Soccol, *Process Biochemistry*, 38(3), 307-312 (2002)
709. Microbial production of extra-cellular phytase using polystyrene as inert solid support, P Gautam, A. Sabu, Ashok Pandey, G Szakacs & CR Soccol, *Bioresource Technology*, 83(3), 229-233 (2002)
710. Packed bed column fermenter and kinetic modelling for upgrading the nutritional quality of coffee husk in solid-state fermentation, D Brand, Ashok Pandey, JA Rodriguez-Leon, S Roussos, I Brand & CR Soccol, *Biotechnology Progress*, 17 (6), 1065-1070 (2001)
711. Isolation and characterization of three distinct forms of lipase from *Candida rugosa* produced in solid-state fermentation. S Benjamin & Ashok Pandey, *Brazilian Archives of Biology and Technology*, 44(2), 213-221 (2001)
712. Production of *Flammulina velutipes* on coffee husk and coffee spent-ground. L Fan, Ashok Pandey & CR Soccol, *Brazilian Archives of Biology and Technology*, 44 (2), 206-212 (2001)
713. Evaluation of *Amycolatopsis mediterranei* VA18 for production of rifamycin-B. G Venkateswarlu, PS Murali Krishna, Ashok Pandey & LV Rao, *Process Biochemistry*, 36 (4), 305-309 (2001)

714. Aroma compounds by *Kluyveromyces marxianus* in solid-state fermentation on a packed bed column bioreactor, ABP Medeiros, Ashok Pandey, P Christen, PSG Fontoura, RJS de Freitas & CR Soccol, *World Journal of Microbiology & Biotechnology*, 17, 767-771 (2001)
715. Isolation, identification and physiological study of *Lactobacillus fermentum* LPB for use as probiotics in chickens, E de F Reque, Ashok Pandey, SG Franco & CR Soccol, *Revista in Microbiology*, 31, 303-307 (2000)
716. Optimization of production of aroma compounds by *Kluyveromyces marxianus* in solid-state fermentation using factorial design and response surface methodology, ABP Medeiros, Ashok Pandey, RJS Freitas, P Christen & CR Soccol, *Biochemical Engineering Journal*, 6(1), 33-39 (2000)
717. Solid-state culturing- an efficient technique to utilize toxic agro-industrial residues, L Fan, Ashok Pandey & CR Soccol, *Journal of Basic Microbiology*, 40(3), 177-187 (2000)
718. Biological detoxification of coffee husk by filamentous fungi using a solid state fermentation system, D Brand, Ashok Pandey, S Roussos & CR Soccol, *Enzyme and Microbial Technology*, 27 (1-2), 127-133 (2000)
719. *Lutzomyia whitmani* (Diptera: Psychodidae) as vector of *Leishmania(V.) braziliensis* in Parana state, southern Brazil. E Luz, N Membrive, EA Castro, J Dereure, F Pratlong, JA Dedet, Ashok Pandey & VT Soccol. *Annals of Tropical Medicines and Parasitology*, 94(6), 623-631 (2000)
720. Fruity flavour production by *Ceratocystis fimbriata* grown on coffee husk in solid-state fermentation. M Soares, P Christen, Ashok Pandey & CR Soccol, *Process Biochemistry*, 35(8), 857-861 (2000)
721. Cultivation of *Volvariella volvacea* to produce biomass from potato and cassava processing residues by submerged fermentation, TM Tonial, Ashok Pandey, MD Chiarello & CR Soccol, *Indian Journal of Microbiology*, 40 (1), 35-40 (2000)
722. Microbial degradation of caffeine and tannins from coffee husk. D Brand, Ashok Pandey, S Roussos & CR Soccol, *In- Coffee Biotechnology and Quality*, T Sera, CR Soccol, A Pandey & S Roussos (eds), Kluwer Academic Publishers, Dordrecht, The Netherlands, pp 393-400 (2000)
723. Coffee husk as substrate for the production of gibberellic acid. CMM Machado, BH Oliveira, Ashok Pandey & C R Soccol. *In- Coffee Biotechnology and Quality*, T Sera, CR Soccol, A Pandey & S Roussos (eds), Kluwer Academic Publishers, Dordrecht, The Netherlands, pp 401-408 (2000)
724. Hydrolysis of coffee husk: Process optimisation to recover its fermentable sugar. AL Woiciechowski, Ashok Pandey, CMM Machado, EB Cardoso & CR Soccol. *In- Coffee Biotechnology and Quality*, T Sera, CR Soccol, A Pandey & S Roussos (eds), Kluwer Academic Publishers, Dordrecht, The Netherlands, pp 409-418 (2000)
725. A novel approach for the production of natural aroma compounds using coffee husk. M Soares, Ashok Pandey, P Christen, M Raimbault & C R Soccol. *In- Coffee Biotechnology and Quality*, T Sera, CR Soccol, A Pandey & S Roussos (eds), Kluwer Academic Publishers, Dordrecht, The Netherlands, pp 419-426 (2000)

726. Use of various coffee industry residues for production of *Pleurotus ostreatus* in solid-state fermentation, L Fan, Ashok Pandey, R Mohan & CR Soccol, *Acta Biotechnologica*, 20 (1), 41-52 (2000)
727. Solid-state fermentation for the synthesis of citric acid by *Aspergillus niger*. L P S<sup>V</sup>andenbergh, CR Soccol, Ashok Pandey & J-M Lebeault, *Bioresource Technology*, 74 (2), 175-178 (2000)
728. Scale-up strategies for packed-bed bioreactors for solid-state fermentation. DA. Mitchell, Ashok Pandey, P Sangsurasak & N Krieger, *Process Biochemistry*, 35 (1-2), 167-178 (2000)
729. Inulinase synthesis from a mesophilic culture in submerged cultivation. Ashok Pandey, S Joseph, L Ashakumary, P Selvakumar & CR Soccol, *Applied Biochemistry and Biotechnology*, 82 (2), 103-114 (1999)
730. Experimental design to optimize the production of L- (+)-lactic acid from steam exploded wood hydrolysate using *Rhizopus oryzae*. AL Woiciechowski, CR Soccol, LP. Ramos & Ashok Pandey, *Process Biochemistry*, 34 (9), 949-955 (1999)
731. Fermentation and recovery of L-glutamic acid from cassava starch hydrolysate by ion-exchange resin column. KM Nampoothiri & Ashok Pandey, *Revista in Microbiology*, 30 (3), 258-264 (1999)
732. Solid-state fermentation for the synthesis of inulinase from the strains of *Staphylococcus* sp. and *Kluyveromyces marxianus*. P Selvakumar & Ashok Pandey. *Process Biochemistry*, 34 (8), 851-855 (1999)
733. Production of spores of *Trichoderma harzianum* on sugar cane molasses and bagasse pith in solid-state fermentation. JA Rodriguez-Leon, F Domenech, M Leon, T Mendez, DE Rodriguez & Ashok Pandey. *Brazilian Archives of Biology and Technology*, 41(1), 69-76 (1999)
734. Cultivation of *Pleurotus* sp. on coffee residues, L Fan, Ashok Pandey & CR Soccol, *Proceedings of 3rd International conference on Mushroom Biology and Mushroom Products & AMGA's 26th National Mushroom Industry Conference*. Andrew Broderick & Tan Nair (eds), October 12-16, Sydney, pp 301-311 (1999)
735. Growth of *Lentinus edodes* on the coffee industry residues and fruiting body production, Fan Leifa, Ashok Pandey and Carlos R. Soccol, *Proceedings of 3rd International conference on Mushroom Biology and Mushroom Products & AMGA's 26th National Mushroom Industry Conference*, Andrew Broderick & Tan Nair (eds), October 12-16, Sydney, pp 293-300 (1999)
736. Growth kinetics of *Rhizopus formosa* MUCL 28422 on raw cassava flour in solid-state fermentation. SC Stertz, CR Soccol, M Raimbault, Ashok Pandey & JA Rodriguez-Leon, *Journal of Chemical Technology and Biotechnology*, 74(6), 580-586 (1999)
737. Comparative studies on inulinase synthesis by *Staphylococcus* sp. and *Kluyveromyces marxianus* in submerged culture. P Selvakumar & Ashok Pandey. *Bioresource Technology*, 69(2), 123-127 (1999)
738. Production and shelf-life studies of low cost beverage with soymilk, buffalo cheese whey and cow milk fermented by mixed cultures of *Lactobacillus casei* ssp. *shirota* and *Bifidobacterium adolescentis*. RF Macedo, RJS Freitas, Ashok Pandey & CR Soccol, *Journal of Basic Microbiology*, 39(4), 243-251 (1999)

739. Ethanol production in solid substrate fermentation using thermotolerant yeast. N Kiran Sree, M Sridhar, LV Rao & Ashok Pandey, *Process Biochemistry*, 34(2), 115-119 (1999)
740. Biosynthesis of glucoamylase by *Aspergillus niger* in solid-state fermentation using tea waste as the basis of a solid substrate. P Selvakumar, L Ashakumary & Ashok Pandey. *Bioresource Technology*, 65(1-2), 83-85 (1998)
741. Mixed solid substrate fermentation: A novel process for enhanced lipase production by *Candida rugosa*. S Benjamin & Ashok Pandey, *Acta Biotechnologica*, 18 (4), 315-324 (1998)
742. Membrane permeability and glutamate excretion by *Brevibacterium* sp. KM Nampoothiri & Ashok Pandey. *Journal of Scientific and Industrial Research*, 57, 640-643 (1998)
743. Isolation and characterization of inulinase producing strains from rhizosphere soil. P Selvakumar & Ashok Pandey. *Journal of Scientific and Industrial Research*, 57, 621-624 (1998)
744. X-ray diffraction studies on solid-state fermentation for the production of glucoamylase using *Aspergillus niger* NCIM 1248. PS Mukherjee, Ashok Pandey, P Selvakumar, L Ashakumary & P Gurusamy. *Journal of Scientific and Industrial Research*, 57, 583-586 (1998)
745. Culture conditions for production of 2-1- $\beta$ -D-fructan-fructanohydrolase in solid culturing on chicory (*Cichorium intybus*) roots. Ashok Pandey, P. Kavita and P. Selvakumar. *Brazilian Archives of Biology and Technology*, 41 (2), 231-236 (1998)
746. Immobilization of *Brevibacterium* cells for the production of L-glutamic acid. K. Madhavan Nampoothiri and Ashok Pandey. *Bioresource Technology*, 63(1), 101-106 (1998)
747. Coconut cake: A potent substrate for production of lipase by *Candida rugosa* in solid-state fermentation. Sailas Benjamin and Ashok Pandey. *Acta Biotechnologica*, 17(3), 241-251 (1997)
748. Enhancement of lipase production during repeated batch culture using immobilized *Candida rugosa*. Sailas Benjamin and Ashok Pandey. *Process Biochemistry*, 32(5), 437-440 (1997)
749. Corynebactin, a cyclic catechol siderophore from *Corynebacterium glutamicum* ATCC 14067 (*Brevibacterium* sp. DSM 20411). H. Budzikiewicz, A. Bossenkamp, K. Taraz, Ashok Pandey and J. -M. Meyer. *Z. Naturforsch.*, 52e, 551-554 (1997)
750. Lipase production by *Candida rugosa* on copra waste extract. Sailas Benjamin and Ashok Pandey, *Indian Journal of Microbiology*, 36(4), 201-204, (1996)
751. Optimization of liquid media for lipase production. Sailas Benjamin and Ashok Pandey. *Bioresource Technology*, 55(2), 167-170 (1996)
752. Growth and cyclosporin A production by an indigenously isolated strain of *Tolypocladium inflatum*. K. Balakrishnan and Ashok Pandey. *Folia Microbiologica*, 41(5), 401-406 (1996)
753. Studies on bioactive microbial metabolites. K. Balakrishnan and Ashok Pandey, *In - Perspectives in Microbiology*, (Ed) R. S. Kahlon, Natl Agric. Technol. Inform. Centre, Ludhiana, India, pp. 90-92 (1996)
754. Purification and characterization of glucoamylase produced by *Aspergillus niger* in solid-state fermentation. P. Selvakumar, L. Ashakumary, A. Helen and Ashok Pandey. *Letters in Applied Microbiology*, 23(6), 403-406 (1996)

755. Performance of column bioreactor for glucoamylase synthesis by *Aspergillus niger* in SSF. Ashok Pandey, P. Selvakumar and L. Ashakumary. *Process Biochemistry*, 31(1), 43-46 (1996)
756. Solid state fermentation for L-glutamic acid production using *Brevibacterium* sp. K. Madhavan Nampoothiri and Ashok Pandey, *Biotechnology Letters*, 16(2), 199-204 (1996)
757. Urease activity in a glutamate producing *Brevibacterium* sp. K. Madhavan Nampoothiri and Ashok Pandey. *Process Biochemistry*, 31(5), 471-475 (1996)
758. Effect of different carbon sources on growth and glutamic acid fermentation by *Brevibacterium* sp. K. Madhavan Nampoothiri and Ashok Pandey. *Journal of Basic Microbiology*, 35(4), 249-254 (1995)
759. Glutamic acid fermentation using *Brevibacterium* sp. DSM 20411. K. Madhavan Nampoothiri and Ashok Pandey. *Journal of Food Science and Technology*, 32(5), 406-408 (1995)
760. Copra waste - a novel substrate for solid-state fermentation. Ashok Pandey, L. Ashakumary and P. Selvakumar. *Bioresource Technology*, 51(3), 217-220 (1995)
761. Effect of yeast extract on glucoamylase synthesis by *Aspergillus niger* in solid-state fermentation. Ashok Pandey, L. Ashakumary, P. Selvakumar and K. S. Vijaylakshmi. *Indian Journal of Microbiology*, 35(4), 335-338 (1995)
762. Influence of water activity on growth and activity of *Aspergillus niger* NCIM 1245 for enzyme production in solid-state fermentation. Ashok Pandey, L. Ashakumary, P. Selvakumar and K. S. Vijaylakshmi. *World Journal of Microbiology and Biotechnology*, 10, 485-486 (1994)
763. Column fermenter for solid-state fermentation. L. Ashakumary, P. Selvakumar and Ashok Pandey. In - Solid State Fermentation. (Ed) Ashok Pandey. Wiley Eastern Limited, New Delhi, India. Pp. 33-37 (1994)
764. Iron requirement and search for siderophores in lactic acid bacteria. Ashok Pandey, Françoise Bringel and J. M. Meyer. *Applied Microbiology and Biotechnology*, 40, 735-739 (1994)
765. Glucoamylase production by *Aspergillus niger* on rice bran is improved by adding nitrogen sources. Ashok Pandey, P. Selvakumar and L. Ashakumary. *World Journal of Microbiology and Biotechnology*, 10, 348-349 (1994)
766. The production of glucoamylase by *Aspergillus niger* NCIM 1245. Ashok Pandey and S. Radhakrishnan. *Process Biochemistry*, 28(3), 305-309 (1993)
767. Packed bed column bioreactor for enzyme production. Ashok Pandey and S. Radhakrishnan. *Enzyme and Microbial Technology*, 14, 486-488 (1992)
768. Production of starch saccharifying enzyme in solid cultures. Ashok Pandey. *Starch/Starke*, 44(2), 75-77 (1992)
769. Production of glucoamylase in solid-state fermentation. Ashok Pandey. In - Industrial Microbiology. (Eds.) V. S. Malik and Padma Sridhar. IBH & Oxford Publishing Co., New Delhi, India. Pp. 525-537 (1992)
770. Effect of particle size of substrate on enzyme production in solid-state fermentation. Ashok Pandey. *Bioresource Technology*, 37(2), 169-172 (1991)

- 771.Improvements in solid-state fermentation for glucoamylase production. Ashok Pandey. *BiologicalWastes*, 34(1), 11-19 (1990)
- 772.Start-up in anaerobic system for natural rubber effluent. Ashok Pandey, L. G. Radhika and S. V. Ramakrishna. *BiologicalWastes*, 33(2), 143-147 (1990)
- 773.Anaerobic waste treatment: The two-stage reactor concept. Ashok Pandey. *Encology*, 3, 25-29 (1989)
- 774.New strategies in agro-industrial wastes utilization in Kerala. Ashok Pandey, S. V. Ramakrishna and A. D. Damodaran. *Proceedings of Kerala Science Congress*, 1, 64-70 (1989)
- 775.Process selection for single stage bioconversion of sugar beet pulp into microbial protein. Ashok Pandey, P. Nigam and M. Vogel, *BiologicalWastes*, 26(1), 71-75 (1988)
- 776.Anaerobic digestion of natural rubber waste effluent. Ashok Pandey, S. V. Ramakrishna and G. D. Surender. *In – Proceedings of V International Symposium on Anaerobic Digestion. (Eds.) A. Tilche and A. Rozzi. Monduzzi Editore, Bologna, Italy. Pp. 669-672 (1988)*
- 777.Simultaneous saccharification and protein enrichment fermentation of sugar beet pulp. Ashok Pandey, P. Nigam and M. Vogel, *Biotechnology Letters*, 10(1), 67-72 (1988)
- 778.Fermentation of bagasse by submerged cultures: Effect of nitrogen source. P. Nigam, Ashok Pandey and K. A. Prabhu. *BiologicalWastes*, 23(5), 313-317 (1988)
- 779.Mixed culture fermentation for bioconversion of whole bagasse into microbial protein. P. Nigam, Ashok Pandey and K. A. Prabhu. *Journal of Basic Microbiology*, 27(6), 323-327 (1987)
- 780.Ligninolytic activity of two basidiomycetes moulds cultures in the decomposition of bagasse. P. Nigam, Ashok Pandey and K. A. Prabhu. *BiologicalWastes*, 21(1), 1-10 (1987)
- 781.Cellulase and ligninase production by basidiomycetes culture in solid-state fermentation. P. Nigam, Ashok Pandey and K. A. Prabhu. *BiologicalWastes*, 20(1), 1-9 (1987)
- 782.Studies on adsorption of cellulases and ligninases on bagasse in solid-state fermentation. P. Nigam, Ashok Pandey and K. A. Prabhu. *Journal of Biological Chemistry Hoppe-Seyler*, 367, Supplement 210 (1986)
- 783.Effect of dyes on *Streptococcus faecalis*. Ashok Pandey and P. Nigam. *Indian J. Microbiol.*, 24, 252-254 (1984)
- 784.Effect of metal complexes of EDTA on lactic acid fermentation by ultraviolet irradiated *L. bulgaricus*. Ashok Pandey and K. P. Tiwari. *Sharakara*, 21(1), 1-4 (1984)
- 785.Action of certain radiation on lactic acid fermentation. K. P. Tiwari and Ashok Pandey. *Proc. Natl. Acad. Sci., India*. 54(1), 25-31 (1984)
- 786.Effect of ultraviolet radiation on amino acid composition of single cell protein. Ashok Pandey and K. P. Tiwari. *J. Indian Chem. Soc.*, 59, 686-687 (1982)
- 787.Sodium iodate - a novel spray reagent for flavones. K. P. Tiwari, M. Masood and Ashok Pandey. *Proc. Natl. Acad. Sci., India*, 54(2), 112-114 (1982)
- 788.Effect of some essential oils on lactic acid bacteria. K. P. Tiwari and Ashok Pandey. *J. Sci.. Res.*, 3, 161-163 (1981)

789. Effect of garlic extract on lactic acid bacteria. K. P. Tiwari and Ashok Pandey. *J. Sci. Res.*, 3, 71-74 (1981)
790. A novel spray reagent for flavones and quinones. K. P. Tiwari, M. Masood and Ashok Pandey. *J. Indian Chem. Soc.*, 58, 722 (1981)
791. Natural growth factors for *L. bulgaricus* AU. K. P. Tiwari and Ashok Pandey. *Zentr. Bakteriolog. Abt. II*, 136, 263-265 (1981)
792. Effect of some organic acids and alkaloids on lactic acid fermentation. K. P. Tiwari and Ashok Pandey. *Zentr. Bakteriolog. Abt. II*, 136, 70-73 (1981)
793. Effect of some natural materials on lactic acid fermentation. K. P. Tiwari, N. Mishra and Ashok Pandey. *Zentr. Bakteriolog. Abt. II*, 135, 721-723 (1980)
794. Fermentative production of lactic acid in presence of some trace elements. K. P. Tiwari, N. Mishra and Ashok Pandey. *Zentr. Bakteriolog. Abt. II*, 135, 523-526 (1980)
795. Mineral requirements of *L. delbrückii*. K. P. Tiwari, N. Mishra and Ashok Pandey. *Proc. Natl. Acad. Sci., India*, 50A, 69-72 (1980)
796. 3,4-bis (3', 4'-dimethoxyphenyl) methyl-furan-2-one from *Zanthoxylum oxyphyllum* edgew. K. P. Tiwari, M. Masood, Ashok Pandey and G. D. Pandey. *Indian J. Chem.*, 19B, 241-242 (1980)
797. Lactic acid production from molasses by *L. bulgaricus* in presence of U, Th, Zr and Tl. K. P. Tiwari, Ashok Pandey and N. Mishra. *Zentr. Bakteriolog. Abt. II*, 135, 226-29 (1980)
798. Influence of EDTA and its metal complexes on lactic acid fermentation. K. P. Tiwari, N. Mishra and Ashok Pandey. *Zentr. Bakteriolog. Abt. II*, 135, 223-225 (1980)
799. Effect of aqueous extract of *Madhuca indica* on lactic acid fermentation of molasses by *Lactobacillus bulgaricus* AU. K. P. Tiwari, Ashok Pandey and P. K. Minocha. *Vijnana Par. Anu. Patrika*, 23, 61-63 (1980)
800. Hydrogen peroxide - a new spray reagent for flavones and quinones. M. Masood, Ashok Pandey and K. P. Tiwari. *Curr. Sci.*, 48, 813-814 (1979)
801. Obtusilobin and obtusilobin - two new saponins from *Anemone obtusiloba*. K. P. Tiwari, M. Masood and Ashok Pandey. *Phytochem.*, 18, 1539-1542 (1979)
802. Lactic acid production in presence of some vitamins by *Lactobacillus delbrückii*. K. P. Tiwari, N. Mishra and Ashok Pandey. *Indian J. Microbiol.*, 19, 155-157 (1979)
803. Influence of metal complexes of EDTA on lactic acid fermentation by individual and mixed cultures of lactobacilli. K. P. Tiwari and Ashok Pandey. *Indian J. Microbiol.*, 19, 150-154 (1979)
804. A novel spray reagent for flavones and quinones. K. P. Tiwari, M. Masood and Ashok Pandey. *Proc. Natl. Acad. Sci., India*, 49A, 107-108 (1979)
805. Effect of some nitrogenous dyes on lactic acid fermentation. K. P. Tiwari, Ashok Pandey and M. Masood. *Proc. Natl. Acad. Sci., India*, 49A, 42-44 (1979)
806. Optimum culture conditions for *Lactobacillus bulgaricus* AU. K. P. Tiwari and Ashok Pandey. *Proc. Natl. Acad. Sci., India*, 49A, 37-41 (1979)



807. The influence of mutagenic chemicals on lactic acid fermentation by *L. bulgaricus* AU. K. P. Tiwari and Ashok Pandey. Zentr. Bakteriolog. Abt. II, 134, 748-750 (1979)
808. Lactic acid production from molasses by mixed population of lactobacilli. K. P. Tiwari and Ashok Pandey. Zentr. Bakteriolog. Abt. II, 134, 544-546 (1979)
809. Effect of camphor on lactic acid production from molasses by *Lactobacillus bulgaricus* AU. K. P. Tiwari, Ashok Pandey and Y. K. S. Rathore. Vijnana Par. Anu. Patrika, 22, 175-178 (1979)
810. Influence of some amino acids on lactic acid fermentation of molasses by *Lactobacillus bulgaricus* AU. K. P. Tiwari, Ashok Pandey and N. Mishra. Vijnana Par. Anu. Patrika, 22, 17-20 (1979)
811. Influence of some physiologically important electrolytes on lactic acid fermentation of molasses by *L. bulgaricus* AU. K. P. Tiwari and Ashok Pandey. Indian J. Dairy Sci., 31, 383-384 (1978)
812. Lactic acid production from molasses by mixed population of *Lactobacillus bulgaricus* and *L. delbrueckii*. K. P. Tiwari, Ashok Pandey and N. Mishra. Proc. Natl. Acad. Sci., India, 47A, 130-132 (1977)
813. Influence of some vitamins on fermentative production of lactic acid by *Lactobacillus delbrueckii*. K. P. Tiwari, S. P. Singh and Ashok Pandey. Proc. Ind. Natl. Sci. Acad., 43B, 219-222 (1977)

#### **INTERNATIONAL CONFERENCES COMMUNICATIONS**

814. Computational toxicity screening of biologically derived fuel compounds, Z Arif, Ashok Pandey, E Gnanousou & R Parthasarathi, International Conference on Bio-Innovation for Environmental and Health Sustainable Developments (BEHSD-2018), CSIR-IITR, Lucknow, India; November 27-28 (2018) **BEST POSTER AWARD**
815. Bioconversion of food waste to an eco-friendly biopolymer, R Sindhu, P Mohan, A Manju, A Madhavan, P Binod & Ashok Pandey, International Conference on Bio-Innovation for Environmental and Health Sustainable Developments (BEHSD-2018), CSIR-IITR, Lucknow, India; November 27-28 (2018)
816. Adsorption studies of lactic and acetic acid from simulated solutions and fermented broth using ion exchange resins: Equilibrium and kinetics, N Vivek, Ashok Pandey & P Binod, International Conference on Biotechnological Research and Innovation for Sustainable Development (BioSD-2018) & XV Annual Convention of Biotech Research Society, CSIR-IICT, Hyderabad, India; November 22-25 (2018) **BEST PAPER AWARD**
817. Semi-batch hydrolysis of rice straw to increase yield of fermentable sugars, MP Varghese, J Vakkachan, L Nair, RK Sukumaran, Ashok Pandey & Kiran Kumar M, International Conference on Biotechnological Research and Innovation for Sustainable Development (BioSD-2018) & XV Annual Convention of Biotech Research Society, CSIR-IICT, Hyderabad, India; November 22-25 (2018)
818. Biodegradation of chlorpyrifos by *Pseudomonas nitroreducens*: Investigations into the molecular mechanism of organophosphate degradation, A Aswathi, Ashok Pandey & RK Sukumaran,

- International Conference on Biotechnological Research and Innovation for Sustainable Development (BioSD-2018)& XV Annual Convention of Biotech Research Society, CSIR-IICT, Hyderabad, India; November 22-25 (2018)
819. Lignin re-deposition during pretreatment is a major factor affecting enzymatic hydrolysis of lignocellulosic biomass, S Meena, A Mathew, Ashok Pandey & RK Sukumaran, International Conference on Biotechnological Research and Innovation for Sustainable Development (BioSD-2018) & XV Annual Convention of Biotech Research Society, CSIR-IICT, Hyderabad, India; November 22-25 (2018)
820. 1,3-propanediol production using *Lactobacillus brevis* N1E9.3.3: Evaluation of control objectives under different feeding strategies in a glycerol-glucose co-fed batch fermentation, KB Anjali, N Vivek, E Burel, Ashok Pandey & P Binod, International Conference on Biotechnological Research and Innovation for Sustainable Development (BioSD-2018) & XV Annual Convention of Biotech Research Society, CSIR-IICT, Hyderabad, India; November 22-25 (2018)
821. Value addition of chili post-harvest residue, R Sindhu, P Binod, AK Mathew, A Abraham, Ashok Pandey & E Gnansounou, International Conference on Biotechnological Research and Innovation for Sustainable Development (BioSD-2018) & xv Annual Convention of Biotech Research Society, India; CSIR-IICT, Hyderabad, India; November 22-25 (2018)
822. Prospects of renewable energy from agri-biomass: Global energy demand vs sustainability, Ashok Pandey, International BioEnergy and Environment Research Cooperative Network (IBEE-RCN), Tianjin University, China; October 29-30 (2018) **INVITED LECTURE**
823. Climate change, global energy demand and sustainability: How do we balance? Ashok Pandey, 1<sup>st</sup> international conference on Water Resources and Sustainability (ICWRS) & 3<sup>rd</sup> international conference on Fuels, Energy and Environment (ICAFE): Future and Challenges, Nanjing, China, October 28-31 (2018) **KEYNOTE LECTURE**
824. Technological challenges, advancements and innovations in lignocellulosic based biorefinery for fuels and chemicals, R Sindhu, P Binod, N Vivek, SH Hazeena & Ashok Pandey, 2<sup>nd</sup> International Conference on Bioresource Technology for Bioenergy, Bioproducts & Environmental Sustainability, Elsevier, Sitges, Spain, September 16-19 (2018) **BEST POSTER AWARD**
825. Biomass to Biofuels: Production of liquid biofuels from agro-industrial residues, Ashok Pandey, 2<sup>nd</sup> International Conference on Bioresources, Energy, Environment, and Materials Technology (BEEM 2018), Korea Biochar Research Center, Korean Society of Environmental Biology and Korean Society of Water and Wastewater, Gangwon-do, South Korea; June 10-13 (2018) **KEYNOTE LECTURE**
826. Biomass to fuels and chemicals for energy and environmental sustainability, Spring Meeting and International Conference, Korean Society of Industrial and Engineering Chemistry, Daegu, South Korea; May 2-4 (2018) **INVITED LECTURE**

827. Energy and Environmental Sustainability through Biorefineries, Ashok Pandey, International Symposium on Advanced Membranes & Sustainable Technologies, Tianjin Polytechnic University, Tianjin, China, April 13-16 (2018) **KEYNOTE LECTURE**
828. Development of an integrated dilute acid lime pretreatment of chili post harvest residue for bioethanol production, R Sindhu, A Antony, P Binod, E Gnansounou, Ashok Pandey, A Kuruvilla Mathew & A Abraham, In- *Proceedings of the International Conference on Sustainable Energy and Environmental Challenges* (SEEC-2018), December 31, 2017 – January 3, 2018; Indian Institute of Science, Bangalore, India; pp 306-309 (2018)
829. Moving towards a carbohydrate economy: Lignocellulosic biorefineries for fuels and chemicals, Ashok Pandey, International Conference on Challenges in Environmental Science and Engineering (CESE-2017), Kunming, China; November 11-15 (2017) **KEYNOTE LECTURE**
830. Waste-to-Energy: Production of liquid biofuel from agro-industrial waste, Ashok Pandey, International Conference on Waste to Energy: Challenges and Opportunities, Shanghai, China; November 10-11 (2017) **KEYNOTE LECTURE**
831. Biomass Based Biorefineries- A Case Study of Sorghum, Ashok Pandey, The 2<sup>nd</sup> International Conference on Alternative Fuels and Energy: Future and Challenges – ICAFE 2017, Daegu, South Korea; October 23-25 (2017) **KEYNOTE LECTURE**
832. Oil production by microalga *Chlorococcum* sp RAP-13 on seawater and industrial effluents, Ashok Pandey, International Conference on Green Technologies for Sustainable Water, Hanoi, Viet Nam; October 13-15 (2017) **KEYNOTE LECTURE**
833. Coupling of mass cultivation of microalgae with industrial wastewater treatment, Ashok Pandey, 8<sup>th</sup> International Water Association (IWA) Membrane Technology Conference & Exhibition for Water and Wastewater Treatment and Reuse (IWA-MTC 2017), Singapore, September 5-9 (2017) **PLENARY LECTURE**
834. Biomass to chemicals and fuels, Ashok Pandey, International Workshop on Renewable Energy Materials-2017 (REM17), Manonmaniam Sundaranar University, Tirunelveli; August 28-30 (2017) **PLENARY LECTURE**
835. Biomass to chemicals and fuels- the concept and application of biorefinery, Ashok Pandey, 2<sup>nd</sup> International Conference on Biological Waste as Resource 2017 (BWR-2017), Hong Kong; May 25-27 (2017) **PLENARY LECTURE**
836. Valorization of pineapple post harvest and fruit processing wastes by extraction of high value bromelain and use of residues for ethanol production, AK Mathew, M Christopher, E George, A Abraham, R Sindhu, Ashok Pandey & RK Sukumaran In- *Proceedings of the International Conference on Sustainable Energy and Environmental Challenges* (SEEC-2017), Mohali, India; February 26-28, p114 (2017)
837. A novel surfactant assisted transition metal pretreatment of chili post harvest residue for the production of bioethanol, R Sindhu, K Jerina, P Binod, AK Mathew,

A Abraham, E Gnansounou & Ashok Pandey, In Proceedings of the International Conference on Sustainable Energy and Environmental Challenges (SEEC-2017), Mohali, India; February 26-28 (2017)

838. Evaluation of paragrass from Logtak lake in Manipur as feed stock for bioethanol production. Sabeela Beevi U, OA Kumar, DB Sahoo, RK Sukumaran & Ashok Pandey. In- International Conference on Current Trends in Biotechnology – ICCB 2016, VIT, Vellore, India; December 8-10, p 76 (2016)
839. Evaluation of various encapsulation methods for improving the shelf-life of phenol degrading bacteria, Lakshmi M Nair, Ashok Pandey & P Binod. In- International Conference on Current Trends in Biotechnology – ICCB 2016, VIT, Vellore, India; December 8-10, p 118 (2016)
840. Performance of suspended and immobilized *Lactobacillus brevis* N1E.9.9 strain in batch, fed-batch and continuous processes for 1,3 PDO production, N Vivek, PR Swen, TV Aswathi, Ashok Pandey & P Binod. In- International Conference on Current Trends in Biotechnology – ICCB 2016, VIT, Vellore, India; December 8-10, p 125 (2016)
841. A novel high-throughput assay method to screen enantiospecific ketoreductases, P Ranjan, Ashok Pandey & P Binod. In- International Conference on Current Trends in Biotechnology – ICCB 2016, VIT, Vellore, India, December 8-10, p 132 (2016)
842. Cellulase production using *Trichoderma reesei* in solid-state fermentation and its application in saccharification of alkali pretreated sorghum stover, ASO Idris, Ashok Pandey & RK Sukumaran, In- International Conference on Current Trends in Biotechnology – ICCB 2016, VIT, Vellore, India; December 8-10, p 235 (2016)
843. A biorefinery based approach for the production of ethanol from enzymatically saccharified cotton stalks, M Christopher, A Mathew, K Kumar M, Ashok Pandey & RK Sukumaran. In- International Conference on Current Trends in Biotechnology – ICCB 2016, VIT, Vellore, India; December 8-10, p 235 (2016)
844. Adsorptive separation of fermentation inhibitors by molecular modeling, LP Devendra & Ashok Pandey, In- International Conference on Current Trends in Biotechnology – ICCB 2016, VIT, Vellore, India; December 8-10, p 497 (2016) **BEST POSTER AWARD**
845. Identification of differentially expressed proteins in response to pesticides in *E. coli*, A Aswathi, Ashok Pandey & RK Sukumaran. In- International Conference on Current Trends in Biotechnology – ICCB 2016, VIT, Vellore, India; December 8-10, p 520 (2016).
846. Bioproducts from industrial residues, Ashok Pandey, Asia-Pacific Conference on Biotechnology for Waste Conversion, Hong Kong, December 6-8 (2016) **KEYNOTE LECTURE**
847. Biomass to fuels and chemicals: Bioconversion of rice straw to biobutanol, LD Gottumukkala, RK Sukumaran & Ashok Pandey, International conference on Challenges in Environmental Sciences and Engineering, Kaohsiung City, Taiwan,

November 6-10 (2016) **KEYNOTE LECTURE**

848. Remediation of industrial wastewaters by cultivating microalgae *Chlorococcum* sp RAP-13, Sabeela Beevi, RK Sukumaran & Ashok Pandey, 12<sup>th</sup> International Conference on Sustainable Water Environment, National Kaohsiung Marine University, Kakhsiung, Taiwan, November 4-5 (2016) **KEYNOTE LECTURE**

849. Pentose-rich acid pretreated liquor as co-substrate for 1,3-propanediol production, V Narisetty, M. Christopher, M Kiran Kumar, P Binod & Ashok Pandey, 1<sup>st</sup> International Conference on Bioresource Technology for Bioenergy, Bioproducts & Environmental Sustainability (BIORESTEC), Sitges, Spain; October 23-26 (2016)

**BEST POSTER AWARD**

850. Biomass to biofuels: Production of biobutanol by *Clostridium sporogenes* BE01 using rice straw as substrate, LD Gottumukkala, RK Sukumaran & Ashok Pandey, 11<sup>th</sup> Asian Biohydrogen and Biogas Symposium (ABBS), Jeju Island, Korea; October 5-8 (2016) **KEYNOTE LECTURE**

851. Mixotrophic cultivation of *Chlorococcum* sp R-AP13 in acid pretreatment liquor (APL) from lignocellulose biorefinery, Sabeela Beevi U, Ashok Pandey & RK Sukumaran, 4<sup>th</sup> Asia-Oceania Algal Innovation Summit, Wuhan, China; September 18-21 (2016) **KEYNOTE LECTURE**

852. Sorghum Stover-based Biorefinery, Ashok Pandey, Korean Society for Microbiology and Biotechnology 2016 International Symposium & Annual Meeting, Daejeon, Korea; June 22–24 (2016) **KEYNOTE LECTURE**

853. Production of second generation biofuels in India: Status and perspectives, Ashok Pandey, International Conference on Renewable Energy- Extension and Outreach, Visva-Bharati, Santiniketan, March 20-21 (2016) **KEYNOTE LECTURE**

854. *Kluyveromyces lactis* as a cell factory for secreted production of a thermostable phytase from fungal source, MV Ushasree & Ashok Pandey, Indo-US Workshop on Microbial Cell Factories, Indian Institute of Technology, Mumbai, India; March 18-20 (2016) **INVITED LECTURE**

855. Bioconversion of agro-industrial residues to chemicals and fuels, Ashok Pandey 4<sup>th</sup> International conference on Sustainability of Municipal Solid Waste Processing Technology, Surat, India; February 18-19 (2016) **INVITED LECTURE**

856. Industrial enzymes: Production and perspectives, Ashok Pandey, Biosangam- International Conference on Biotechnology, MNNIT, Allahabad, India; February 4-6 (2016) **PLENARY LECTURE**

857. Production of second generation biofuels from renewable alternative feedstocks, Ashok Pandey, SASM 2016 Biennial Congress, Umhlanga, South Africa; January 17-20 (2016) **PLENARY LECTURE**

858. Waste to Energy - Production of biobutanol from agro-industrial residues, Ashok Pandey, 7<sup>th</sup> ISEES International Workshop on Sustainable Energy, Environment & Safety, Lucknow, India, December 21-23 (2015) **ONVITED TALK**
859. Waste to Energy, Ashok Pandey, International Conference on Recent Developments in Life Sciences, Sri AN Patel PG Institute, Anand, India; December 9-10 (2015) **KEYNOTE LECTURE**
860. Bioconversion of agro-industrial residues to chemicals and fuels: The case of biobutanol production, LD Gottumukkala, RK Sukumaran & Ashok Pandey, International Conference and 56<sup>th</sup> AMI Meeting, Jawaharlal Nehru University, New Delhi, India; December 8-11 (2015) **INVITED LECTURE**
861. A novel sono-assisted acid pretreatment of chili post-harvest residue for bioethanol production, R Sindhu, P Binod & Ashok Pandey, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p 382 (2015) **ELSEVIER BEST POSTER AWARD**
862. Hydrotropic pretreatment of rice straw using alkyl benzene sulfonates, LP Devendra & Ashok Pandey, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p384 (2015)
863. Production of endoglucanase from *Trichoderma reesei* and its application in deinking, AS Omar Idris, RK Sukumaran & Ashok Pandey, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p141 (2015)
864. Challenges in pretreatment for efficient biomass hydrolysis: Understanding lignocelluloses saccharification in the context of structural modifications on pretreatment, S Meena, NK Resna, Ashok Pandey & RK Sukumaran, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p366 (2015)
865. Detoxification of acidic biorefinery waste liquor for production of high value amino acid, M Christopher, A Murali, AK Mathew, KM Nampoothiri, RK Sukumaran & Ashok Pandey, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p375 (2015)
866. Towards *Corynebacterium glutamicum* based biorefinery for L-Lysine production, A Murali, KM Nampoothiri, Ashok Pandey & VF Wendisch, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p168 (2015)
867. Efficient and biocompatible microbial consortium for electronic waste plastic degradation, VC Sekhar, AJ Mohan, T Bhaskar, Ashok Pandey & KM Nampoothiri, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p219 (2015)

868. Microbial depolymerase facilitated e-plastic degradation, AJ Mohan, VCSekhar, Ashok Pandey, T Bhaskar & KM Nampoothiri, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p227 (2015)
869. Exopolysaccharide (EPS) production from cassava starch by food grade Lactobacilli, DK Vaikkath, SS Prakash, Ashok Pandey & KM Nampoothiri, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p288 (2015) **BEST POSTER AWARD**
870. Hydrolysis of pretreated rice straw by an enzyme cocktail comprising acidic *xylanase* from *Aspergillus* sp for bioethanol production, Leya Thomas & Ashok Pandey, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p154 (2015)
871. A novel onsite enrichment for crude glycerol utilizing and diol producing facultative anaerobic bacteria, V Narisetty, Ashok Pandey & P Binod, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p159 (2015)
872. Optimization of the production of poly- $\gamma$ -glutamic acid by *Bacillus* sps., AA Jose, Ashok Pandey & P Binod, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p156 (2015)
873. Evaluation of oil palm frond (OPF) hydrolysate as a novel substrate for 2, 3-butanediol (BDO) production using selected starter cultures and type strains in aerobic conditions, HS Hakkim, Ashok Pandey & P Binod, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society India, November 22-25, Trivandrum, India; p392 (2015)
874. Bioprocess optimization for enhanced production of Chitin Deacetylase by an *Aspergillus flavus* isolate under submerged conditions, KNarayanan, P Binod & Ashok Pandey, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p190 (2015)
875. Biotransformation of specific chiral alcohol by alcohol oxidase, P Ranjan, Ashok Pandey & P Binod, International conference on New Horizons in Biotechnology and XII Convention of Biotech Research Society, India, November 22-25, Trivandrum, India; p170 (2015) **BEST POSTER AWARD**
876. Production of biobutanol by a novel non-acetone forming *Clostridium sporogenes* BE01 using agro-industrial residues as substrate, LD Gottumukkala, KV Sajna, RK Sukumaran & Ashok Pandey, International Conference on Solid Waste Management, Hong Kong; p69, May 19-23 (2015) **KEYNOTE LECTURE**
877. Probiotic lactic acid bacteria: Health benefits, Ashok Pandey, International workshop on Advances in Biotechnology, University of Patras, Greece; March 23-24 (2015) **KEYNOTE LECTURE**
878. A novel ultrasound assisted hydrothermal pretreatment of chili post-harvest residue for bioethanol production, R Sindhu, VE Preeti, P Binod, RK Sukumaran & Ashok Pandey, International

- conference on Emerging Trends in Biotechnology and XI Convention of Biotech Research Society, India, p112, November 6-9, New Delhi, India (2014)
879. Media engineering for the production of an alkaline xylanase from *Bacillus pumilus* MTCC 5015 by submerged fermentation and its application in bio-bleaching, L Thomas, R Sindhu, P Binod & Ashok Pandey, International conference on Emerging Trends in Biotechnology and XI Convention of Biotech Research Society, India, p IL6, November 6-9, New Delhi, India (2014)
880. Optimization of the production of poly- $\gamma$ -glutamic acid by *Bacillus licheniformis* in solid state fermentation using soy hull as substrate, AA Jose, P Binod & Ashok Pandey, International conference on Emerging Trends in Biotechnology and XI Convention of Biotech Research Society, India, p I10, November 6-9, New Delhi, India (2014)
881. Comparative studies on alternative pretreatment methods on sorghum stover, Akanksha Karthik, S S Rao, Ashok Pandey & Parmeswaran Binod, International conference on Emerging Trends in Biotechnology and XI Convention of Biotech Research Society India, New Delhi, India, p I11, November 6-9 (2014)
882. Isolation and screening of 1,3-propanediol producers and optimization of pure isolate *Klebsiella pneumoniae* for increase in productivity, N Vivek, Ashok Pandey & P Binod, International conference on Emerging Trends in Biotechnology and XI Convention of Biotech Research Society, India, NEW Delhi, India, p I13, November 6-9, New Delhi, India (2014)
883. Bioprocess development for poly unsaturated fatty acids (PUFA) from fungal sources, S Jini, A Hridya, P Binod & Ashok Pandey, International conference on Emerging Trends in Biotechnology and XI Convention of Biotech Research Society, India, p I10, November 6-9, New Delhi, India (2014)
884. Cloning and production of genetically improved L-Asparaginase from *E. coli*, S Sajitha, P Binod & Ashok Pandey, International conference on Emerging Trends in Biotechnology and XI Convention of Biotech Research Society, India, p I12, November 6-9. New Delhi, India (2014) **BEST POSTER AWARD**
885. Purification and characterization of an Acidic and Antifungal Chitinase produced by a *Streptomyces* sp., Narayanan Karthik, Parmeswaran Binod & Ashok Pandey, International conference on Emerging Trends in Biotechnology and XI Convention of Biotech Research Society India, NEW Delhi, India, p I11, November 6-9 (2014)
886. Hydrolysis of lignocellulosic biomass using a reusable solid acid catalyst, S Meena S, BLA Prabhavathi, RBN Prasad, Ashok Pandey & RK Sukumaran, International conference on Emerging Trends in Biotechnology and XI Convention of Biotech Research Society, India, p E29, November 6-9, New Delhi, India (2014)
887. Bioethanol production through catalytic hydrolysis of biomass using a reusable carbon acid catalyst, M Goswami, S Meena, RK Sukumaran, BLA Prabhavathi, RBN Prasad & Ashok Pandey, International conference on Emerging Trends in Biotechnology and XI Convention of Biotech Research Society, India, p E28, November 6-9, New Delhi, India (2014)



888. Microbial degradation of electronic waste plastics, VC Sekhar, NR Nair, Ashok Pandey & KM Nampoothiri, International conference on Emerging Trends in Biotechnology and XI Convention of Biotech Research Society, India, p E9, November 6-9, New Delhi, India (2014) **BEST POSTER AWARD**
889. Production, Purification and Characterization of an Exopolysaccharide from Probiotic *Lactobacillus plantarum*, SV Dilna, H Surya, KM Nampoothiri & Ashok Pandey, International conference on Emerging Trends in Biotechnology and XI Convention of Biotech Research Society India, NEW Delhi, India, p I9, November 6-9 (2014)
890. *Corynebacterium glutamicum* mutant for xyitol synthesis from pentose sugars, KS Dhar, Ashok Pandey & K M Nampoothiri, International conference on Emerging Trends in Biotechnology and XI Convention of Biotech Research Society, India, p I9, November 6-9, New Delhi, India (2014)
891. Exploration of agro residual substrates for L- Lysine production in solid state fermentation, M Anusree, Ashok Pandey & KM Nampoothiri, International conference on Emerging Trends in Biotechnology and XI Convention of Biotech Research Society, India, p I9, November 6-9, New Delhi, India (2014)
892. Kinetics and biofiltration of dimethyl sulfide emitted from P & P industry, BS Giri, M Goswami, KH Kim & Ashok Pandey, International conference on Emerging Trends in Biotechnology and XI Convention of Biotech Research Society, India, p IL29, November 6-9, New Delhi, India (2014)
893. Production of second generation biofuels in India: Status and Perspectives, Ashok Pandey, International Workshop on Novel Combustion Concepts for Sustainable Energy Development, January 2-4, Kanpur, India (2014)
894. Sorghum based bioethanol: Mass balance studies, A Jadhav, Ashok Pandey & P Binod, International Conference on Advances in Biotechnology and Bioinformatics, November 25-27, Pune, India (2013)
895. Anti-fungal potentials of extracellular metabolites of a Western *Ghats* isolated *Streptomyces* sp NII 1006 against phytopatogenic fungi, H Jayamurthy, KV Sajna, SG Dastagar & Ashok Pandey, International Conference on Advances in Biotechnology and Bioinformatics, November 25-27, Pune, India (2013)
896. Biobutanol production using high cell density immobilized cultures of *Clostridium sporogenes* BE01. LD Gottumukkala, Ashok Pandey & RK Sukumaran, International Conference on Advances in Biotechnology and Bioinformatics, November 25-27, Pune, India (2013)
897. Molecular cloning and expression of *xynA* gene from *Bacillus pumilus*, L Thomas, MV Ushasree & Ashok Pandey, International Conference on Advances in Biotechnology and Bioinformatics, November 25-27, Pune, India (2013) **BEST POSTER AWARD**
898. Evaluation of the efficacy of a microbial consortium for biopolymer plastic degradation, NR Nair, VC Sekhar, Ashok Pandey & KM Nampoothiri, International Conference on Advances in Biotechnology and Bioinformatics, November 25-27, Pune, India (2013)

899. A novel exopolysaccharide production from *Pseudozyma* sp. NII 08165, KV Sajna, RK. Sukumaran, LD Gottumukkala, H Jayamurthy, KS Dhar & Ashok Pandey, International Conference on Advances in Biotechnology and Bioinformatics, November 25-27, Pune, India (2013)
900. Conventional vs alternative pretreatment strategies for bioethanol Production from sugarcane tops, R Sindhu, VE Preeti, P Binod, RK Sukumaran & Ashok Pandey, International Conference on Advances in Biotechnology and Bioinformatics, November 25-27, Pune, India (2013)
901. Woody biomass for the production of bioethanol, Ashok Pandey, Korea Bioenergy-2013, International Conference, November 12-14, Jeju, South Korea (2013) **KEYNOTE LECTURE**
902. Non-conventional renewable resources for the production of biofuels, Ashok Pandey, CESE-2013, International Conference on Challenges in Environmental Science and Engineering, October 29-November 2, Daegu, South Korea (2013) **KEYNOTE LECTURE**
903. Alternative renewable resources: Issues and perspectives for India – the case of transport fuels, Amrita Bioquest-2013, International Conference on Biotechnology for Innovative Applications, Ashok Pandey, Amritapuri, Kerala, India (2013) **INVITED LECTURE**
904. Water hyacinth- a potential feedstock for the production of bioethanol as transport fuel, K Satyanagalakshmi, R Sindhu, P Binod, KU Janu, RK Sukumaran & Ashok Pandey, Cancun, Mexico (2013) **KEYNOTE LECTURE**
905. Non-conventional solid wastes as potential feedstocks for the production of bioethanol, P Binod, S Vani, R Sindhu, M Kuttiraja, RK Sukumaran & Ashok Pandey, International Conference on Solid Waste – Innovation in Technology and Management, May 5-9, Hong Kong, p58 (2013) **KEYNOTE LECTURE**
906. Potential of non-conventional agro-industrial feedstocks for the production of bioethanol in India, Ashok Pandey, International Conference, January 27-30, Arunai Engineering College, Thiruannamalai, India (2013) **KEYNOTE LECTURE**
907. Lignocellulosic bioethanol in India: Potential of non-conventional feedstock, Ashok Pandey, International Symposium on New Horizons in Bioenergy Research, January 14-16, IIT-Kharagpur, India, p7 (2013) **KEYNOTE LECTURE**
908. Folate conjugated nanoparticles as Trojan particles for cancer therapy, A Avanti, P Binod, R Banerjee & Ashok Pandey, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 236 (2012)
909. Inhibitor removal from sorghum stover pretreated hydrolyzate through over liming: An efficient approach for bioethanol production, S Rai, P Binod, RK Sukumaran, KM Nampoothiri, K Dwivedi, S Vats, DP Maurya, S Negi & Ashok Pandey. International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 231 (2012)
910. Functional validation of fungal promoter in the yeast –*Kluyveromyces lactis*, A Madhavan, A Pandey & RK Sukumaran, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 223 (2012)

911. Identification and characterization of antifungal compounds from lactic acid bacteria, KK Varsha & KM Nampoothiri, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 221 (2012)
912. Folate fortification of skim milk medium by probiotic lactic acid bacteria, JB Divya & KM Nampoothiri, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 218 (2012)
913. Effect of *Serratia* and *Kocuria* species on biometric characters of tapioca (*Manihot esculenta* crantz), CK Deepa, SG Dastagar & A Pandey, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 215 (2012)
914. *Chlorococcum* sp. R-Arp13- A novel algal isolate from the Western Ghats with potential for heterotrophic growth and oil production on waste glycerol, BU Sabeela, K Rajasree, A Pandey & RK Sukumaran, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 205 (2012)
915. Role of aerobic microbes in gaseous emission from vegetable waste dumped site, VK Ojha, S Kumar & A Pandey, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 191(2012)
916. Biodegradation of poly (l-lactide) and its blends, RN Nimisha, A Pandey & KM Nampoothiri, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 190 (2012)
917. A novel cellulase-free highly alkaline-thermophilic xylanase from *Streptomyces* sp, Leya Thomas & Ashok Pandey, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 161 (2012)
918. Design of enzyme cocktails for biomass deconstruction: A model for predicting sugar yields of lignocelluloses saccharifying enzyme blends, S Vani, S Savithri & RK Sukumaran, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 149 (2012)
919. A biorefinery approach for the production of bioethanol and aminoacids from sorghum biomass, P Arjun, J Akanksha, G Nishant, A Pandey & P Binod, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 139 (2012)
920. Culture isolation from coastal environmental samples and bioprocess development for production of chitinolytic enzymes, K Narayanan, A Pandey & P Binod, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p127 (2012)
921. Utilization of agro-residual starch hydrolyzate for l-lysine production by *Corynebacterium glutamicum*, M Anusree, KS Dhar & KM Nampoothiri, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 125 (2012)

922. Process development for bioethanol from rice straw, M Kuttiraja, VE Preeti, R Sindhu, P Binod, A Pandey & RK Sukumaran, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 122 (2012)
923. Purification and characterization of a high molecular weight  $\beta$ -glucosidase from *Aspergillus unguis* NII 08123, K Rajasree, A Pandey & RK Sukumaran, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 119 (2012)
924. Thermotolerant, salt tolerant and inhibitor resistant  $\alpha$ -amylase from Western Ghats soil metagenomic library, J Vidya, A Deepthi & A Pandey, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 105 (2012)
925. Exploration of Western Ghat biodiversity for novel microbial cultures potential active against phytopathogenic fungi, B Ramkumar, J Parvathy, S Sreeshma & KM Nampoothiri, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 76 (2012)
926. Alternative pretreatment strategies for bioethanol production from lignocellulosic biomass, R Sindhu, M Kuttiraja, VE Preeti, S Vani, P Binod, RK Sukumaran & A Pandey, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 69 (2012)
927. Enzymes for biomass hydrolysis: The Centre for Biofuels initiatives, RK Sukumaran, A Mathew, KP Rajasree, A Madhavan & G Lalitha Devi, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 52 (2012).
928. Prospects of Western Ghats microbial biodiversity for antagonistic microbes to control plant diseases, KM Nampoothiri, Ashok Pandey, International Conference on Industrial Biotechnology and IX convention of the Biotech Research Society, India, November 21-23, Patiala, India, p 34 (2012).
929. Utilization of kefir SCP produced using agro-industrial wastes for yeast extract purification, T Aggelopoulos, A Bekatorou, AA Koutinas, MN Kumar & Ashok Pandey, 5<sup>th</sup> International Conference on Industrial Bioprocesses, October 7-10, Taipei, Taiwan, p 308 (2012).
930. Studies on biosurfactants from *Pseudozyma* NII 08165 and their potential application as laundry additives. KV Sajna, RK Sukumaran, H Jayamurthy, KK Reddy, S Kanjilal, RBN Prasad & Ashok Pandey, 5<sup>th</sup> International Conference on Industrial Bioprocesses, October 7-10, Taipei, Taiwan, p 290 (2012)
931. Waste to wealth: Bioenergy production from crop residues, P Binod, S Vani, R Sindhu, M Kuttiraja, RK Sukumaran & Ashok Pandey, 5<sup>th</sup> International Conference on Industrial Bioprocesses, October 7-10, Taipei, Taiwan, p 239(2012) **PLENARY LECTURE**

932. Studies on rice straw hydrolyzate as a promising substrate for biobutanol production using *Clostridiumsporogenes*, LD Gottumukkala, P Binod, KV Sajna, M Kuttiraja, Ashok Pandey & RK Sukumaran, 5<sup>th</sup> International Conference on Industrial Bioprocesses, October 7-10, Taipei, Taiwan, p 181 (2012)
933. Utilization of pentose-rich hydrolyzate from acid pretreated rice straw as sole carbon source for the production of poly-3-hydroxybutyrate, R. Sindhu, N Silviya, P Binod & A Pandey, 5<sup>th</sup> International Conference on Industrial Bioprocesses, October 7-10, Taipei, Taiwan, p 93 (2012)
934. Microbial synthesis of poly-3-hydroxybutyrate and its application as targeted drug delivery vehicle, P Binod, R Sindhu, M Jincy, A Avanthi and Ashok Pandey, 5<sup>th</sup> International Conference on Industrial Bioprocesses, October 7-10, Taipei, Taiwan, p 72 (2012)
935. Cotton plant waste as a potential source for bioethanol, A Pandey, 15<sup>th</sup> International Biotechnology Symposium and Exhibition- Innovative biotechnology for a green world and beyond, Daegu, Korea, September 16-21 (2012) **KEYNOTE LECTURE**
936. Isolation, cloning and characterization of L-asparaginase II from a moderately thermotolerant bacterial isolate, J Vidya & Ashok Pandey, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p279 (2011)
937. Potential vaccine production against *Dermatobia hominis*, NLM Fernandes, SM Zanata, M Ronnau, Ashok Pandey, CR Soccol & VT Soccol, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p238 (2011)
938. Orange pulp and brewer's spent grains as promoting ingredients in SCP production on exclusively food industry waste substrates, T Aggelopoulos, A Bekatorou, AA Koutinas, Ashok Pandey & MN Kumar, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p218 (2011)
939. Purification and characterization of thermo and halo tolerant esterase from a metagenomic library constructed from soap factory effluent, D Alex, Ashok Pandey & RK Sukumaran, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p202 (2011)
940. Chloroamphicol loaded polyhydroxy butyrate nanoparticles fabrication, characterization and *in vitro* drug release study, A Althuri, P Binod & Ashok Pandey, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p173 (2011)
941. Comparison of energy requirement for microwave – alkali assisted and high pressure reactor pretreatment and hydrolysis of cotton stalk for fermentable sugar production, S Vani, P Binod, M Kuttiraja, R Sindhu, SV Sandhya, VE Preeti, RK Sukumaran & Ashok Pandey, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p172 (2011)
942. Hybrid pretreatment of sugarcane tops for bioethanol production, R Sindhu, M Kuttiraja, P Binod, VE Preeti, SV Sandhya, S Vani, RK Sukumaran & Ashok Pandey, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p169 (2011)

943. Production of biosurfactants from *Pseudozyma* sp. NII 08165 and its potential application in laundry detergent formulation. KV Sajna, RK Sukumaran & Ashok Pandey, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p167 (2011)
944. An evaluation of chemical pretreatment methods for improving enzymatic saccharification of chili post harvest residue, VE Preeti, SV Sandhya, M Kuttiraja, R Sindhu, P Binod, S Vani, RK Sukumaran & Ashok Pandey, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p165 (2011)
945. Development of an operational strategy for fermentable sugar production from bamboo (*Dendrocalamus* sp.), M Kuttiraja, R Sindhu, VE Preeti, SV Sandhya, P Binod, S Vani, RK Sukumaran & Ashok Pandey, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p162 (2011)
946. Isolation and characterization of antifungal metabolites from actinomycetes against phytopathogenic fungi, Himani Jayamurthy & Ashok Pandey, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p160 (2011)
947. Combined effects of light intensity, salinity and pH on the induction of asthaxanthin biosynthesis by *Haematococcus pluvialis*, V Ghiggi, LA Silva, CR Soccol, VT Soccol, Ashok Pandey & JC Carvalho, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p155 (2011)
948. Exploration of Western ghat microbial biodiversity of Kerala for bioactive preparations against beta lactamase, SP Mohandas, R Sita R, S Gayathri, SS Narayanan, Ashok Pandey & KM Nampoothiri, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p151 (2011)
949. Identification and Characterisation of a Glucose tolerant  $\beta$ -glucosidase from a novel fungus *Aspergillus unguis*-NII 08123, KP Rajasree, GM Mathew, Ashok Pandey, & RK Sukumaran, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p144 (2011)
950. Microalgae and macromycetes in co-culture: biomass and exopolysaccharide production, process optimization and hydro-soluble polysaccharide characterization, S Angelis, AC Novak, MD Nosedá, EB Sydney, JC Carvalho, VT Soccol, Ashok Pandey & CR Soccol, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p140 (2011)
951. Cloning and over-expression of Proline aminopeptidase gene from *Streptomyces lavendulae*, AS Nandan, Ashok Pandey & KM Nampoothiri, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p134 (2011)
952. Single-step purification and immobilization of MBP-phytase fusion on starch agar beads: application in dephytination of soy milk, MV Ushasree & Ashok Pandey, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p121 (2011)

953. Kinetic model for poly-3-hydroxybutyrate production by *Bacillus firmus* in batch and fed-batch culture, J Mathew, P Binod, R Sindhu & Ashok Pandey, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p108 (2011)
954. Evaluation of polymeric adsorbents for efficient detoxification of black liquor generated during acid pretreatment of biomass, SV Sandhya, K Kumar, M Kuttiraja, P Binod, VE Preeti, R Sindhu, S Vani, RK Sukumaran & Ashok Pandey, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p98 (2011)
955. Potentiality of microalgae cultivation for carbon dioxide sequestration and biocompounds production, CR Soccol, JC Carvalho, EB Sydney, AC Novak, MR Spier, VT Soccol & Ashok Pandey, International Conference on New Horizons in Biotechnology, Trivandrum, India, November 21-24, p72 (2011)
956. Lignocellulosic bioethanol: Status and perspectives for India, Ashok Pandey, 1<sup>st</sup> Asian Congress on Biotechnology, Shanghai, China, May 11-14 (2011) **INVITED LECTURE**
957. Biotechnological interventions for solid-waste management: Utilization of agro-industrial residues for developing a green bioprocess for the production of poly-3-hydroxybutyrate (PHB), Ashok Pandey, International Conference of Solid Waste: Moving Towards Sustainable Resource Management, Hong Kong, May 2-6 (2011) **KEYNOTE LECTURE**
958. Production of bioethanol from lignocellulosic biomass: Challenges for commercialization, Ashok Pandey, International Workshop on Biorefineries and Food Production, April 4 (2011) **PLENARY LECTURE**
959. Biofuels – alternative energy source with environmental sustainability, KP Rajasree, KU Janu, Lalitha Devi G, Reeta Rani Singhanian, K Kumar, M Archana, M Kuttiraja, P Binod, R Sindhu, RK Sukumaran & Ashok Pandey, International Conference on Bioenergy from Wastes: Green Chemistry Interventions, NEERI, Nagpur, India, November 25-26, p3 (2010) **KEYNOTE LECTURE**
960. Development of green bioprocesses for the production of microbial lipids, International Training and Research Program for Advanced Renewable Research and Sustainable Environment, Ashok Pandey, Taipei, Taiwan, November 15-21 (2010) **KEYNOTE LECTURE**
961. Esterase from effluent soil DNA through metagenomics, Deepthi Alex, R Sindhu, RK Sukumaran & Ashok Pandey, International Conference on Genomic Sciences, VII BRSI Convention & Indo-Italian Workshop on Industrial and Pharmaceutical Biotechnology, Madurai, November 12-14, p189 (2010)
962. Utilization of biodiesel industry generated glycerol for the production of polyhydroxybutyrate, SK Deepthi, P Binod, R Sindhu & Ashok Pandey, International Conference on Genomic Sciences, VII BRSI Convention & Indo-Italian Workshop on Industrial and Pharmaceutical Biotechnology, Madurai, November 12-14, p169 (2010) **BEST POSTER AWARD**
963. Potential plant growth-promoting activity of *Serratia nematodiphila* NII-0928 on black pepper (*Piper nigrum* L.), CK Deepa, SG Dastager & Ashok Pandey, International Conference on Genomic

- Sciences, VII BRSI Convention & Indo-Italian Workshop on Industrial and Pharmaceutical Biotechnology, Madurai, November 12-14, p101 (2010)
964. Co-expression of GroEL/ES enhances soluble expression of *Aspergillus niger* phytase in *E. coli* cytosol, HS Sumayya, MV Ushasree, P Gunasekaran & Ashok Pandey, International Conference on Genomic Sciences, VII BRSI Convention & Indo-Italian Workshop on Industrial and Pharmaceutical Biotechnology, Madurai, November 12-14, p93 (2010)
965. Studies on bioconversion of sugarcane tops to bioethanol, R Sindhu, P Binod, M Kuttiraja, RK Sukumaran & Ashok Pandey, International Conference on Genomic Sciences, VII BRSI Convention & Indo-Italian Workshop on Industrial and Pharmaceutical Biotechnology, Madurai, November 12-14, p92 (2010)
966. Scale-up optimization for leucine aminopeptidase (LAP) production using *Streptomyces gedanensis* in Infors HT Multifors parallel fermentor, R Rahulan, KM Nampoothiri & Ashok Pandey, International Conference on Genomic Sciences, VII BRSI Convention & Indo-Italian Workshop on Industrial and Pharmaceutical Biotechnology, Madurai, November 12-14, p87 (2010)
967. Lipid Profiling of a novel unicellular alga from silent valley national park: Potential for algal oil, KP Rajasree, Reeta Rani Singhanian, Lalitha Devi G, RK Sukumaran & Ashok Pandey, International Conference on Genomic Sciences, VII BRSI Convention & Indo-Italian Workshop on Industrial and Pharmaceutical Biotechnology, Madurai, November 12-14, p86 (2010)
968. Second generation bioethanol from steam exploded rice straw using fungal cellulases and thermo-tolerant *Saccharomyces cerevisiae*, RK Singh, V Menon, AJ Verma, A Prabhune, R Sitalaxman, Ashok Pandey & Mala Rao, International Conference on Genomic Sciences, VII BRSI Convention & Indo-Italian Workshop on Industrial and Pharmaceutical Biotechnology, Madurai, November 12-14, p80 (2010)
969. Physicochemical changes during alkali pretreatment and optimization of hydrolysis conditions to improve sugar yield from bagasse, KU Janu, KV Umesh, KV Sajna, P Binod, R Sindhu, RK Sukumaran & Ashok Pandey, International Conference on Genomic Sciences, VII BRSI Convention & Indo-Italian Workshop on Industrial and Pharmaceutical Biotechnology, Madurai, November 12-14, p77 (2010)
970. Formulation of production medium for proline aminopeptidase (PAP) from *Streptomyces lavendulae*, Arya Nandan, Oumou El Hadji Khairy Diallo, Ashok Pandey & KM Nampoothiri, International Conference on Genomic Sciences, VII BRSI Convention & Indo-Italian Workshop on Industrial and Pharmaceutical Biotechnology, Madurai, November 12-14, p67 (2010)
971. Development of green bioprocess for the production of microbial lipids, Ashok Pandey, South-East Asia Training Program, National Taiwan University, November 16-20 (2010) **KEYNOTE LECTURE**
972. Development of bioprocess for the production of microbial lipids in solid-state fermentation (SSF) and submerged fermentation (SmF)- the case of gamma linolenic acid (GLA), SU Ahmed, CR



- Socol & Ashok Pandey, International Conference on Bioprocesses in Food Industries (ICBF-2010), Curitiba, Brazil, October 5-8 (2010) **KEYNOTE LECTURE**
973. Biofuels for a cleaner environment- The case of bioconversion of lignocellulosic biomass in to bioethanol: Issues and perspectives, Lalitha Devi G, Reeta Rani Singhania, KP Rajasree, KU Janu, K Satyanagalakshmi, N Kurian, A Mathew, K Kumar, M Archana, M Kuttiraja, P Binod, R Sindhu, RK Sukumaran and Ashok Pandey, International Conference on Challenges in Environmental Science and Engineering, Cairns, Australia, September 26-30 (2010) **KEYNOTE LECTURE**
974. Oleageneous microorganisms for the exploitation of agroindustrial wastes, Ashok Pandey, International Scientific Workshop –Novel Technologies in New Research Areas of Food Production, University of Patras, Greece, April 19 (2010) **KEYNOTE LECTURE**
975. Technological challenges in the production and application of cellulases for lignocellulosic bioethanol production, Rajeev K Sukumaran, KP Rajasree, Reeta Rani Singhania, Abraham Mathew, Lalitha Devi G, KU Janu, K Satyanagalakshmi, KV Sajna, Noble Kurian, Vikram J Surender, Binod Parmeswaran, Raveendran Sindhu & Ashok Pandey, International Symposium on Bioenergy, Indian Institute of Technology, Kharagpur, India, January 5-7, pp 70-71 (2010) **KEYNOTE LECTURE**
976. Search for microbial aminopeptidases with substrate specificity, Arya Nandan, KM Nampoothiri & Ashok Pandey, International Conference on Emerging Trends in Biotechnology and VI BRSI Convention, Banaras Hindu University, Varanasi, India, December 4-6, p (2009)
977. Microwave pretreatment of sugarcane bagasse for bioethanol production, P Binod, R Sindhu, RK Sukumaran & Ashok Pandey Studies on temperature and solvent tolerant esterase from a novel yeast-like isolate NII 08165, Deepthy Alex, S Anju, RK Sukumaran & Ashok Pandey, International Conference on Emerging Trends in Biotechnology and VI BRSI Convention, Banaras Hindu University, Varanasi, India, December 4-6, p (2009)
978. Ethanol from biomass: Studies on bioconversion of rice straw to bioethanol, KU Janu, V Surender, KV Umesh, KV Sajna, RK Sukumaran & Ashok Pandey, International Conference on Emerging Trends in Biotechnology and VI BRSI Convention, Banaras Hindu University, Varanasi, India, December 4-6, p (2009)
979. Effect of agitation and aeration on the production for polyhydroxybutyrate in submerged fermentation NV Ramadas & Ashok Pandey, International Conference on Emerging Trends in Biotechnology and VI BRSI Convention, Banaras Hindu University, Varanasi, India, December 4-6, p (2009)
980. Substrate specific aminopeptidases from *Streptomyces gedanensis*, R Rahulan, KM Nampoothiri & Ashok Pandey, International Conference on Emerging Trends in Biotechnology and VI BRSI Convention, Banaras Hindu University, Varanasi, India, December 4-6, p (2009)
981. Production, properties and differential induction of  $\beta$ -glucosidase in a novel strain of *Aspergillus niger* NII 08121, Reeta Rani Singhania, Lalitha Devi, KP Rajasree, RK Sukumaran & Ashok Pandey, International Conference on Emerging Trends in Biotechnology and VI BRSI Convention, Banaras Hindu University, Varanasi, India, December 4-6, p (2009)

982. Development of a bioprocess for the production of polyhydroxybutyrate from biodiesel industry generated glycerol. M Rubeena, R Sindhu, P Binod & Ashok Pandey, International Conference on Emerging Trends in Biotechnology and VI BRSI Convention, Banaras Hindu University, Varanasi, India, December 4-6, p (2009)
983. Comparative studies on saccharification of alkali and acid pretreated bamboo for bioethanol production, KV Sajna, KV Umesh, KU Janu, V Surender, RK Sukumaran & Ashok Pandey, International Conference on Emerging Trends in Biotechnology and VI BRSI Convention, Banaras Hindu University, Varanasi, India, December 4-6, p (2009)
984. Pretreatment of water hyacinth for bioethanol production, K Satyanagalakshmi, R Sindhu, P Binod, RK Sukumaran & Ashok Pandey, International Conference on Emerging Trends in Biotechnology and VI BRSI Convention, Banaras Hindu University, Varanasi, India, December 4-6, p (2009)
985. Formic acid pretreatment of sugarcane bagasse for bioethanol production, R Sindhu, K Satyanagalakshmi, P Binod, RK Sukumaran & Ashok Pandey, International Conference on Emerging Trends in Biotechnology and VI BRSI Convention, Banaras Hindu University, Varanasi, India, December 4-6, p (2009) **BEST POSTER AWARD**
986. Cloning and expression of phytase (*phy A*) from *A niger* BTCF 5 and *A ficuum* NRRL 3135 in *E coli*, MV Ushasree, P Gopal & Ashok Pandey, International Conference on Emerging Trends in Biotechnology and VI BRSI Convention, Banaras Hindu University, Varanasi, India, December 4-6, p (2009)
987. Cloning and expression of L-asparaginase (asn B) in *E. coli*, J Vidya & Ashok Pandey, International Conference on Emerging Trends in Biotechnology and VI BRSI Convention, Banaras Hindu University, Varanasi, India, December 4-6, p (2009)
988. The Centre for Biofuels: R&D directions for second generation biofuels- Bioethanol from lignocellulosic feedstocks, V Surender, P Binod, R Sindhu, Reeta Rani Singhanian, Lalitha Devi, KU Janu, KP Rajasree, K Satyanagalakshmi, KV Sajna, Noble Kurian, RK Sukumaran & Ashok Pandey, International Conference on Emerging Trends in Biotechnology and VI BRSI Convention, Banaras Hindu University, Varanasi, India, December 4-6, p (2009)
989. Bioenergy from agro wastes, Lalitha Devi G, Satyanagalakshmi K, Janu KU, Sajna KV, Binod Parmenswaran, Sindhu R, Vikram Surender, Reeta Rani Singhanian, Rajasree KP, Noble Kurien, Rajeev K Sukumaran & Ashok Pandey, International conference on Recent Advances in Environmental Biotechnology, Birla College, Mumbai, November 14-15 (2009) **INVITED LECTURE**
990. Transgenic crops: The problem of food and hunger- where is the balance? Ashok Pandey, Southeast Asia International Training and Research Program for Advanced Drinking Water Technologies and Advanced Renewable Energy Technologies, Tainwan National University, Taipei, October 18-24 (2009) **INVITED LECTURE**

991. Trends in bioprocesses for biofuels, Reeta Rani Singhania, P Binod, R Sindhu, RK Sukumaran & Ashok Pandey, XII Congress of French Society of Process Engineers, Marseille, France, October 14-16 (2009) **KEYNOTE LECTURE**
992. Isolation and characterization of Plant growth-promoting Rhizobacteria from Western Ghat Forest soil, India, CK Deepa, SG Dastager & Ashok Pandey, First ASEAN PGPR conference for sustainable agriculture. Acharya NG Ranga, Agricultural University, Hyderabad, India, June 21-24 (2009)
993. Challenges and perspectives on the production of bioethanol from lignocellulosic feedstocks, Ashok Pandey, International Workshop on Biotechnological Exploitation of Food & Agro-industrial Wastes for Creation of Added Value, Patras, Greece, March 30 (2009) **PLENARY LECTURE**
994. Current status of research and implementation of bioenergy in India, Reeta Rani Singhania, P Binod, RK Sukumaran & Ashok Pandey, Gwangju, Korea, March 18-19 (2009) **INVITED LECTURE**
995. Production of bioethanol from lignocellulosic feedstocks, Reeta Rani Singhania, RK Sukumaran & Ashok Pandey, International Symposium on Biotechnological Approaches to Environmental Science for Energy Production and Sustainability, Gwangju, Korea, February 25, pp 1-4 (2009) **INVITED LECTURE**
996. Second generation biofuels in India, Reeta Rani Singhania, RK Sukumaran & Ashok Pandey, IEA Workshop on Potential for Sustainable Utilization of 2<sup>nd</sup> Generation Biofuels, Paris, France, February 9-10 (2009) **INVITED LECTURE**
997. Plant-based biofuels, a case of lignocellulosic bioethanol, Reeta Rani Singhania, RK Sukumaran, Lalitha Devi Gottumukkala & Ashok Pandey, International Conference - World Green Energy Forum 2008, Gyeongju, Korea, October 8-11 (2008) **INVITED LECTURE**
998. Synthesis of silver-nanoparticles using *Aspergillus niger* and *P. brevicompactum* WA 2315 and its characterization, M Bule, R Bhambure, N Shaligram, Ashok Pandey, G Szakacs, M Kamat, R Singhal, 2008 World Congress on Industrial Biotechnology & Bioprocessing, Chicago, Ill, USA, April 27-30 (2008)
999. Portable analytical system using led and photodiode for nutrient measurement in natural waters. B. Vijayalekshmi, C. Anilkumar & Ashok Pandey, In- International Congress on Bioprocesses in Food Industries [ICBF-2008] & V BRSI Convention, Hyderabad, November 6-8, p 220 (2008)
1000. Selection of yeast strains isolated from baru fruit for biomass production with organic zinc and copper accumulation, AH Arakaki, R Msaki, GN Scheidt, A Gregorio, MR Spier, LPS Vandenberghe, Ashok Pandey & CR Soccol, In- International Congress on Bioprocesses in Food Industries [ICBF-2008] & V BRSI Convention, Hyderabad, November 6-8, p 211 (2008)
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1021. Stabilization of *Brevibacillus agri* 52 lipase activity in organic solvent mixtures and pectin gel encapsulation, GR Castro, L Costas, VE Bosio & Ashok Pandey, American Society for Microbiology, June 1-6 (2008)

1022. Production of industrial enzymes in solid-state fermentation: The Case of Chitinases, P Binod & Ashok Pandey, Symposium XII, Asian Mycology Conference & X Marine and Freshwater Mycology Symposium, Kuala Lumpur, Malaysia, December 2-6 (2007) **INVITED SPEAKER**
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1026. Modelling of  $\gamma$ -linolenic acid production under submerged fermentation conditions, SU Ahmed, SK Singh & Ashok Pandey, In- International conference on New Horizons in Biotechnology and 4<sup>th</sup> BRSI Convention, Trivandrum, November 26-29, p 247 (2007)
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1038. Chitinase as biocontrol agent against *Heliothis*, P Binod, RK Sukumaran, JC Rajput, SV Shirke and Ashok Pandey, In- International conference on New Horizons in Biotechnology and 4<sup>th</sup> BRSI Convention, Trivandrum, November 26-29, p 171 (2007)
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1047. *Ganoderma lucidum* supplemented with chow alter lipidic metabolism in mice, R Rubell, HS Dalla Santa, F Leifa, LC Fernandes, Ashok Pandey and CR Soccol, In- International conference on New Horizons in Biotechnology and 4<sup>th</sup> BRSI Convention, Trivandrum, November 26-29, p 134 (2007)
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1076. Bacterial alpha amylase production under SmF and optimization of its process parameters using response surface methodology D Gangadharan, S Sivaramakrishnan, KM Nampoothiri, Ashok Pandey, *International Conference on Emerging Horizons in Biotechnology: A Global Venture*, Vallabh Vidyanagar, India, November 2-4, p 243 (2006)
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1080. Permeabilization of spores of *A. niger* to act as catalyst in the bioconversion of glucose to gluconic acid, Sumitra Ramachandran, P Fontanille, Ashok Pandey, C Larroche, *International Conference on Emerging Horizons in Biotechnology: A Global Venture*, Vallabh Vidyanagar, India, November 2-4, p 264 (2006) **BEST POSTER AWARD**
1081. Cloning and over-expression of the peptide deformylase from *Mycobacterium tuberculosis* H37Rv, N Sai Syam, KM Nampoothiri, Ashok Pandey, *International Conference on Emerging Horizons in Biotechnology: A Global Venture*, Vallabh Vidyanagar, India, November 2-4, p 288 (2006) **BEST POSTER AWARD**
1082. Over-expression of bla C gene, the betalactamases of *Mycobacterium tuberculosis* H37Rv, AK Patel, R Rubex, KM Nampoothiri, Ashok Pandey, *International Conference on Emerging Horizons in Biotechnology: A Global Venture*, Vallabh Vidyanagar, India, November 2-4, p 289 (2006)
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- 1084.** Effect of stress on growth and pigment production in *Monascus purpureus* under solid-state fermentation, S Babitha, CR Soccol, Ashok Pandey, *International Congress on Bioprocesses in Food Industries*, Patras, Greece, June 18-21, p 76 (2006)
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1087. Strain improvement of *Lactobacillus delbrueckii* NCIM 2025 for L(+) lactic acid production using nitrous acid mutation, PJ Rojan, KM Nampoothiri, Ashok Pandey, *International Congress on Bioprocesses in Food Industries*, Patras, Greece, June 18-21, p 165 (2006)
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1090. Supplimented diet with *Agaricus brasiliensis* (*Agaricus blazei*) increase cytokines production in normal mice, HS Dalla Santa, R Rubel, FM Vitola, L Eichelt, K Schmitt, A Bisol, J Germ, FJHC Lima, Ashok Pandey, BC Figueiredo, DF Buchi, R Di Bernardi, A Moreno, F Leifa, CR Soccol, *International Congress on Bioprocesses in Food Industries*, Patras, Greece, June 18-21, p 169 (2006)
1091. Production of gellan gum by submerged fermentation using sugar cane juice and other sugars, AP Canuto, AL Wioceichowski, Ashok Pandey, CR Soccol, *International Congress on Bioprocesses in Food Industries*, Patras, Greece, June 18-21, p 183 (2006)
1092. Neutral protease production by *Aspergillus oryzae* and its relation to fungal sporulation, A Sumantha, Ashok Pandey, P Fontanille, C Larroche, *International Congress on Bioprocesses in Food Industries*, Patras, Greece, June 18-21, p 188 (2006)
1093. Optimization of substrate chemical composition for xylanase production in solid-state fermentation with *A. niger* LPB326 using statistical experimental design, GM Maciel, LPS Vandenberghe, T Brandalize, BBE Della, Ashok Pandey, CR Soccol, *International Congress on Bioprocesses in Food Industries*, Patras, Greece, June 18-21, p 189 (2006)
1094. Study of the influence of different salts in citric acid production in solid-state fermentation using citric pulp, C Rodrigues, LPS Vandenberghe, APO Boza, Ashok Pandey, CR Soccol, VT Soccol, *International Congress on Bioprocesses in Food Industries*, Patras, Greece, June 18-21, p 203 (2006)
1095. Production of gellan gum by *Sphingomonas paucimobilis*, RR Singhania, KM Nampoothiri, Ashok Pandey, *International Congress on Bioprocesses in Food Industries*, Patras, Greece, June 18-21, p 208 (2006)
1096. Evaluation of biomass and spore inoculation on the respirometric analysis and spore production of *Paecilomyces lilacinus* in mixture of defatted soybean cake and coffee husk. D Brand, BO Oishi, S Roussos, Ashok Pandey, CR Soccol, *International Congress on Bioprocesses in Food Industries*, Patras, Greece, June 18-21, p 208 (2006)
1097. Extra-cellular production of tannin acyl hydrolase under solid-state fermentation by *Lactobacillus* sp, A Sabu, C Swati and Ashok Pandey, *International Conference on Biotechnology & Neuroscience*, Cochin, India, December 29-31, p 77 (2004)

1098. Purification and characterization of tannase from *Aspergillus niger* ATCC 16620, A Sabu, G Shegal Kiran and Ashok Pandey, *International Conference on Biotechnology & Neuroscience*, Cochin, India, December 29-31, p 76 (2004)
1099. Production of chitinolytic enzymes with *Trichoderma longibrachiatum* IMI 92027 in solid substrate fermentation, K Kovacs, G Szakacs, T Pusztahelyi & Ashok Pandey, 8th International Workshop on *Trichoderma* and *Gliocladium*, Hangzhou, China, September 20-23 (2004)
1100. Production of chitinases with *Trichoderma harzianum* isolates using solid substrate fermentation, V Nagy, G Szakacs & Ashok Pandey, 8th International Workshop on *Trichoderma* and *Gliocladium*, Hangzhou, China, September 20-23 (2004)
1101. Alternative *in vitro* technique: Use of sugarcane bagasse as a low cost support material during rooting stage of strawberry cv. *Camarosa*, R Moham, EA Chui, Ashok Pandey and CR Soccol, *International Congress on Bioprocesses in Food Industries*, Clermont Ferrand, France, July 11-13, p 82 (2004)
1102. Effect of carbon and nitrogen source on extra-cellular polysaccharides production by *Agaricus brasiliensis*, HS Dalla Santa, F Leifan, Ashok Pandey, J Lorquin and CR Soccol, *International Congress on Bioprocesses in Food Industries*, Clermont Ferrand, France, July 11-13, p 56 (2004)
1103. Effect of static and agitation conditions on extra-cellular polysaccharide production by *Agaricus brasiliensis*, HS Dalla Santa, F Leifan, Ashok Pandey, J Lorquin and CR Soccol, *International Congress on Bioprocesses in Food Industries*, Clermont Ferrand, France, July 11-13, p 55 (2004)
1104. Recovery of flavour compounds produced in solid-state culture of *Ceratocystis fimbriata*, ABP Mediros, RZS Freitas, Ashok Pandey and CR Soccol, *International Congress on Bioprocesses in Food Industries*, Clermont Ferrand, France, July 11-13, p 54-55 (2004)
1105. Flavour compounds produced in a solid-state culture of *Ceratocystis fimbriata* using different bioreactors, ABP Mediros, RZS Freitas, Ashok Pandey and CR Soccol, *International Congress on Bioprocesses in Food Industries*, Clermont Ferrand, France, July 11-13, p 54 (2004)
1106. Experimental test and mathematical modelling of xanthan gum production from cassava bagasse hydrolysate: selection of adequate nitrogen sources, AL Woiciechowski, LAC Meleir, Ashok Pandey, AD Aquino, JH Nobakovich and CR Soccol, *International Congress on Bioprocesses in Food Industries*, Clermont Ferrand, France, July 11-13, p 53 (2004)
1107. Xanthan production by solid-state fermentation using cassava bagasse as carbon source, PC Zillioli, AL Woiciechowski, Ashok Pandey and CR Soccol, *International Congress on Bioprocesses in Food Industries*, Clermont Ferrand, France, July 11-13, p 52-53 (2004)
1108. Conditions for downstream of *Monascus* pigments obtained from solid-state fermentation, JC Carvalho, VO Oishi, CR Soccol and Ashok Pandey, *International Congress on Bioprocesses in Food Industries*, Clermont Ferrand, France, July 11-13, p 52 (2004)
1109. Natural food colorants from *Monascus purpureus* using agro-industrial residues, S Babitha, C Sandha, CR Soccol and Ashok Pandey, *International Congress on Bioprocesses in Food Industries*, Clermont Ferrand, France, July 11-13, p 51 (2004)

1110. Influence of combination of different carbon and nitrogen sources on biomass and exopolysaccharides production by *Ganoderma lucidum* in submerged culture, R Rubel, F Leifa, Ashok Pandey, J Lorquin and CR Soccol, *International Congress on Bioprocesses in Food Industries*, Clermont Ferrand, France, July 11-13, p 49-50 (2004)
1111. Effect of agitation on polysaccharide and biomass production by *Ganoderma lucidum* in submerged fermentation, R Rubel, F Leifa, Ashok Pandey, J Lorquin and CR Soccol, *International Congress on Bioprocesses in Food Industries*, Clermont Ferrand, France, July 11-13, p 49 (2004)
1112. Exo-polysaccharide production of *Agaricus brasiliensis* by submerged fermentation and its anti-tumour effect, L Fan, AT Soccol, Ashok Pandey and CR Soccol, *International Congress on Bioprocesses in Food Industries*, Clermont Ferrand, France, July 11-13, p 48 (2004)
1113. Influence of different carbon sources on biomass and exopolysaccharide production by *Ganoderma lucidum* in submerged fermentation, R Rubel, F Leifa, Ashok Pandey, J Lorquin, CR Soccol, *International Congress on Bioprocesses in Food Industries*, Clermont Ferrand, France, July 11-13, p 47 (2004)
1114. Food grade alpha amylase: Production, properties and immobilization, Sumitra Ramachandran, C Sandhya, G Szakacs, CR Soccol, Ashok Pandey, *International Congress on Bioprocesses in Food Industries*, Clermont Ferrand, France, July 11-13, p 40 (2004)
1115. Alpha amylase production by *Rhizopus* sp in solid-state fermentation using cassava bagasse starch and sugarcane bagasse, MR Spier, AL Woiciechowski, Ashok Pandey, CR Soccol, *International Congress on Bioprocesses in Food Industries*, Clermont Ferrand, France, July 11-13, p 39 (2004)
1116. Novel agro-residues for the production of tannase under solid-state fermentation, A Sabu, S Babitha, Ashok Pandey, *International Congress on Bioprocesses in Food Industries*, Clermont Ferrand, France, July 11-13, p 36 (2004)
1117. Microbial chitinases, Ashok Pandey, *International Conference on Biotechnology in Developing Countries*, Mexico, June 20-23 (2004) **PLENARY LECTURE**
1118. Food Irradiation: Indian Scenario, Ashok Pandey, *1<sup>st</sup> International Workshop on Food Irradiation*, Texas A&M University, College Station, USA, March 30-April 2 (2004) **INVITED TALK**
1119. Natural food colourants from *Monascus* sp. through solid-state fermentation, S Babitha, C Sandha, CR Soccol, Ashok Pandey, *5<sup>th</sup> International Food Convention*, Mysore, India, December 5-8, p 44 (2003)
1120. Alpha amylase production by solid-state fermentation of *Aspergillus oryzae* on oil cakes, Sumitra Ramachandran, Krishnan Roopesh, KM Nampoothiri, George Szakacs and Ashok Pandey, *5<sup>th</sup> International Food Convention*, Mysore, India, December 5-8, p. 56 (2003)
1121. Bioremediation: An important alternative for soil and industrial wastes clean-up, Ashok Pandey, CSIR-CSIRO Workshop on Enzymatic Bioremediation, Melbourne, Australia, November 20-21 (2003) **INVITED TALK**

1123. Secondary metabolites via solid-state fermentation, Sumathy Babitha, Sandhya Chandran and Ashok Pandey, 3<sup>rd</sup> Federation of Asia-Pacific Microbiology society conference, October 15-18, Kuala Lumpur, Malaysia, p. 8 (2003) **PLENARY LECTURE**
1124. Production of chitinase with *Trichoderma longibrachiatum* IMI 92027 and separation of isoenzyme components, Krisztina Kovacs, George Szakacs, Tunde Pustahelyi and Ashok Pandey, 14<sup>th</sup> International Congress of Hungarian Society of Microbiology, October 9-11, Balatonfured, Hungary (2003)
1125. Production of chitinolytic enzyme by selected *Penicillium* strains in solid substrate fermentation, Viviana Nagy, George Szakacs, Tunde Pustahelyi and Ashok Pandey, 14<sup>th</sup> International Congress of Hungarian Society of Microbiology, October 9-11, Balatonfured, Hungary (2003)
1126. Production of chitinolytic enzymes by *Trichoderma harzianum* using solid substrate fermentation, Viviana Nagy, George Szakacs, and Ashok Pandey, 14<sup>th</sup> International Congress of Hungarian Society of Microbiology, October 9-11, Balatonfured, Hungary (2003)
1127. Agro-industrial residues- potential raw material for pigment production by *Monascus purpureus*, S Babitha, CR Soccol and Ashok Pandey, International Conference on Emerging Frontiers at the Interface of Chemistry and Biology, April 28-30, Trivandrum, India, p 85 (2003) **BEST POSTER AWARD**
1128. Chitinase- a potentially important lytic enzyme form *Trichoderma harzianum*, P Binod, G Szakacs and Ashok Pandey, International Conference on Emerging Frontiers at the Interface of Chemistry and Biology, April 28-30, Trivandrum, India, p 63 (2003)
1129. Wide spectrum of amidase activity displayed by *E coli* NCIM (2569) during submerged fermentation, K Roopesh, KM Nampoothiri and Ashok Pandey, International Conference on Emerging Frontiers at the Interface of Chemistry and Biology, April 28-30, Trivandrum, India, p 63 (2003)
1130. Thermostable phytase production by *Thermoascus aurantiacus* in submerged fermentation, KM Nampoothiri, GG Tomes, G Szakacs, CR Soccol and Ashok Pandey, International Conference on Emerging Frontiers at the Interface of Chemistry and Biology, April 28-30, Trivandrum, India, p 62 (2003)
1131. Oil cakes- a potential substrate for phytase production by solid-state fermentation, Sumitra Ramachandran, K Roopesh, KM Nampoothiri, A Sabu, G Szakacs, CR Soccol and Ashok Pandey, International Conference on Emerging Frontiers at the Interface of Chemistry and Biology, April 28-30, Trivandrum, India, p 61 (2003)
1132. Solid-state fermentation for the production of food enzymes, Ashok Pandey, Food Biotechnology Meet, March 20-24, Patras, Greece (2003) **INVITED TALK**
- 1133.** Microbial feed enzymes, K Madhavan Nampoothiri and Ashok Pandey, International Conference on Animal Nutrition, March 3-5, Kuala Lumpur, Malaysia (2003) **PLENARY LECTURE**

1134. Biosynthesis of chitinase by *Trichoderma harzianum* in solid cultures, Ashok Pandey, Rekha R Mallia, A Sabu, K Madhavan Nampoothiri, Sumitra Ramachandran, George Szakacs and Carlos R Soccol, Biotechnology Havana 2002, November 24-29, La Ilahana, Cuba (2002)
1135. Bagasse utilisation: Biotechnological perspectives, Ashok Pandey, S Ramachandran and C R Soccol, World Sugar Co-products- 2002, October 7-8, Bangkok, Thailand (2002) **INVITED TALK**
1136. Production of chitinase with *Trichoderma* spp by solid substrate fermentation, Viviana Nagy, KZ Kertenics, G Szakacs and Ashok Pandey, 1<sup>st</sup> International Trichoderma-Tricel Joint Meeting- 7<sup>th</sup> International *Trichoderma-Gliocladium* Workshop, June 25-29, Cancun, Mexico (2002)
1137. Developments in Industrial Biotechnology, Ashok Pandey, International Conference of SAARC countries on Biotechnology in Agriculture, Industry and Environment, December 28-30, Karad, India (2001) **KEY-NOTE LECTURE**
1138. Tropical agro-industrial residues as potential substrates for enzyme production, Ashok Pandey, International Conference on Solid-state fermentation- Round Table Meeting, November 12, Dublin, Ireland (2001) **INVITED TALK**
1139. Isolation characterization and identification of natural yeasts present in coffee cherries for production of "single-cell protein". Marcia Regina Beux, Carlos R Soccol and Ashok Pandey. International Conference on New Horizons in Biotechnology, April 18-21, Trivandrum, India, p. 201 (2001)
1140. Bioindicators of environmental pollution: Conventional and molecular methods of detection. Vanete Thomaz-Soccol, Rosangela Clara Paulino and Ashok Pandey. International Conference on New Horizons in Biotechnology, April 18-21, Trivandrum, India, p. 181 (2001) **BEST POSTER AWARD WINNER PAPER**
1141. Recovering reducing sugars by acidic and enzymatic hydrolysis of cassava bagasse. A L Woiciechowski, Carlos R Soccol, F Camargo and Ashok Pandey, International Conference on New Horizons in Biotechnology, April 18-21, Trivandrum, India, p. 121-122 (2001)
1142. Xanthan gum production from cassava bagasse hydrolysate. A L Woiciechowski, Carlos R Soccol, F Camargo and Ashok Pandey. International Conference on New Horizons in Biotechnology, April 18-21, Trivandrum, India, p. 121 (2001)
1143. Isolation and characterization of lactic acid bacteria present in coffee husk to produce ensilage. M G B Pagnoncelli, Carlos R Soccol, S L Ducroquet and Ashok Pandey, International Conference on New Horizons in Biotechnology, April 18-21, Trivandrum, India, p. 116 (2001)
1144. Solid-state cultivation of *Amycolatopsis mediterranei* VA 18 with various substrates for production of rifamycin-B. G Venkateswarlu, P S Muraleekrishna, L R Sood, Ashok Pandey and L Venkateshwar Rao. International Conference on New Horizons in Biotechnology, April 18-21, Trivandrum, India, p. 113 (2001)
1145. Comparison between production of pigments on cassava bagasse and rice by *Monascus* sp. in solid-state fermentation. J C Carvallo, Carlos R Soccol, J C Andrade, M M Fukuda, S Roussos and Ashok



- Pandey. International Conference on New Horizons in Biotechnology, April 18-21, Trivandrum, India, p. 112 (2001)
1146. Proteolytic enzyme from *Penicillium* sp: Studies on column bioreactor and effect of biomass respiration- theoretical and practical aspects. Sandro Germano, Aaul N Rocha, Jose A Rodriguez-Leon, Ashok Pandey and Carlos R Soccol. International Conference on New Horizons in Biotechnology, April 18-21, Trivandrum, India, p. 108 (2001)
1147. Kinetic characterization and stability of a serine protease from *Penicillium* sp in solid-state fermentation. Sandro Germano, Clarice A Osaku, Ashok Pandey and Carlos R Soccol. International Conference on New Horizons in Biotechnology, April 18-21, Trivandrum, India, p. 107-108 (2001)
1148. Extra-cellular phytase of *Aspergillus ficuum* under solid-state fermentation. S Sarita, A Sabu, Ashok Pandey, George Szakacs and Carlos R Soccol. International Conference on New Horizons in Biotechnology, April 18-21, Trivandrum, India, p. 107 (2001)
1149. Relation between coffee husk caffeine degradation and respiration of *Aspergillus* sp in solid-state fermentation. Debora Brand, Ashok Pandey, Jose A Rodriguez-Leon, Sevastianos Roussos, Ivo Brand and Carlos R Soccol. International Conference on New Horizons in Biotechnology, April 18-21, Trivandrum, India, p. 101 (2001)
1150. Coconut oil cake as a substrate for the production of phytase by *Rhizopus oligosporus*. A Sabu, S Sarita, Ashok Pandey, George Szakacs, Barbara Bogar and Carlos R Soccol, International Conference on New Horizons in Biotechnology, April 18-21, Trivandrum, India, p. 95 (2001)
1151. Comparative studies on detoxification of coffee husk in solid-state fermentation using Erlenmeyer flasks and column fermenter. Debora Brand, Ashok Pandey, Jose A. Rodriguez-Leon, Sevastianos Roussos, Ivo Brand and Carlos R Soccol. More Quality of Life by Means of Biotechnology- International Symposium on Bioconversion of Renewable Raw Materials, EXPO 2000, September 25-29, Hanover/Braunschweig, Germany (2000)
1152. Evaluation of agro-industrial residues for gibberellic acid synthesis in solid cultures. Cristina M M Machado, Carlos R Soccol, Bras H de Oliveira and Ashok Pandey. More Quality of Life by Means of Biotechnology International Symposium on Bioconversion of Renewable Raw Materials, EXPO 2000, September 25-29, Hanover/Braunschweig, Germany (2000)
1153. Production of extra-cellular protease from solid cultures of wild strain *Penicillium*. Sandro Germano, Saul N Rocha, Ashok Pandey and Carlos R Soccol. More Quality of Life by Means of Biotechnology- International Symposium on Bioconversion of Renewable Raw Materials, EXPO 2000, September 25-29, Hanover/Braunschweig, Germany (2000)
1154. Studies of kinetics parameters of protease production by wild strain of *Penicillium* in solid-state fermentation. Sandro Germano, Saul N Rocha, Ashok Pandey and Carlos R Soccol, More Quality of Life by Means of Biotechnology- International Symposium on Bioconversion of Renewable Raw Materials, EXPO 2000, September 25-29, Hanover/Braunschweig, Germany (2000)
1155. On-line monitoring of citric acid production using respirometry in solid-state fermentation with cassava bagasse. Luciana P S Vandenberghe, Carlos R Soccol, Ashok Pandey and Jean-Michel

- Lebeault. More Quality of Life by Means of Biotechnology- International Symposium on Bioconversion of Renewable Raw Materials, EXPO 2000, September 25-29, Hanover/Braunschweig, Germany (2000)
1156. Xanthan gum production from cassava bagasse. Adenise L Wociechowski, Carlos R Soccol, F Camargo and Ashok Pandey. More Quality of Life by Means of Biotechnology- International Symposium on Bioconversion of Renewable Raw Materials, EXPO 2000, September 25-29, Hanover/Braunschweig, Germany (2000)
1157. Microbial synthesis of natural aroma compounds by fermentation using agro-industrial residues. Adriane B. P. Medeiros, Carlos R. Soccol and Ashok Pandey. XI International Biotechnology Symposium, 3-8 September, Berlin, Germany, no 111 (2000)
1158. Cassava bagasse - an alternative substrate for citric acid production in solid-state fermentation. Luciana P. S. Vandenberghe, Carlos R. Soccol, Ashok Pandey and J. M. Lebeault. XI International Biotechnology Symposium, 3-8 September, Berlin, Germany, no 112 (2000)
1159. Purification and characterization of a yeast lipase produced in solid cultures. Sailas Benjamin, Ashok Pandey and Carlos R Soccol. XI International Biotechnology Symposium, 3-8 September, Berlin, Germany, no 113 (2000)
1160. Biosynthesis of inulinase by *Staphylococcus* sp. and *Kluyveromyces marxianus* in liquid culture. P. Selvakumar, Ashok Pandey and Carlos R Soccol. XI Internatl. Biotechnology. Symp., 3-8 September, Berlin, Germany, no 114 (2000)
1161. Physical and nutritional factors influencing gibberellic acid synthesis in solid cultures. Cristina M. M. Machado, Carlos R. Soccol, Bras H. de Oliveira and Ashok Pandey. International Symposium Microbial Biotechnology, Public Policy and Trade, 15-17 July, Hyderabad, India, p. 78 (2000)
1162. Microbial synthesis of aroma compounds by a yeast strain in solid cultures. Adriane B. P. Medeiros, Ashok Pandey and Carlos R. Soccol. International Symposium Microbial Biotechnology, Public Policy and Trade, 15-17 July, Hyderabad, India. P. 79 (2000)
- 1163.** Solid-state fermentation- an attractive technology for beneficial utilization of tropical agro-industrial residues. Ashok Pandey and Carlos R. Soccol International Symposium Microbial Biotechnology, Public Policy and Trade, 15-17 July, Hyderabad, India. p. 11 (2000) **INVITED TALK.**
1164. Citric acid production by *Aspergillus niger* in solid-state fermentation using cassava residues. Luciana P. S. Vandenberghe, Ashok Pandey, Carlos R. Soccol and Jean-Michael Lebeault. International Symposium Microbial Biotechnology, Public Policy and Trade, 15-17 July, Hyderabad, India. p. 78-79 (2000). **BEST POSTER AWARD WINNER PAPER**
1165. Economic utilization of by-products of cassava processing industries. Ashok Pandey and Carlos R. Soccol. 3<sup>rd</sup> International Symposium Tropical Root Tuber Crops, January 19-22, Trivandrum, India (2000)

1166. Aroma production by *Kluyveromyces marxianus* in solid-state fermentation. Adriane B. P. Medeiros, Ashok Pandey, P. Christen and Carlos R. Soccol. 3<sup>rd</sup> International Symposium Tropical Root Tuber Crops, January 19-22, Trivandrum, India (2000)
1167. Cultivation of *Pleurotus* sp. on coffee residues. Fan Leifa, Ashok Pandey and Carlos R. Soccol. 3<sup>rd</sup> International Conference on Mushroom Biology and Mushroom Products, October 12-16, Sydney, Australia (1999)
1168. Growth of *Lentinus edodes* on the coffee industry residues and fruiting body production. Fan Leifa, Ashok Pandey and Carlos R. Soccol. 3<sup>rd</sup> International Conference on Mushroom Biology and Mushroom Products, October 12-16, Sydney, Australia (1999)
1169. Effect of caffeine on *Pleurotus* sp. and bioremediation of caffeinated residues. Fan Leifa, Ashok Pandey, Luciana Vandenberghe and Carlos R. Soccol. IX European Congress Biotechnology., July 11-15, Brussels, Belgium, p. 2664- A (1999)
1170. Aroma production by *Kluyveromyces marxianus* in solid-state fermentation using cassava bagasse as substrate. Adriane B. P. Medeiros, Carlos R. Soccol, Ashok Pandey, Luciana Vandenberghe and Pierre Christen. IX European Congress on Biotechnology, July 11-15, Brussels, Belgium, p. 2664- B (1999)
1171. Biological detoxification of the coffee husk using filamentous fungi in solid-state fermentation. Debora Brand, Ashok Pandey, S. Roussos, M. Raimbault and Carlos R. Soccol, III International Seminar on Biotechnology in the Coffee Agro-industry, May 24-28, Londrina, Brazil, p. 38 (1999)
1172. Coffee husk as a substrate for the production of gibberellic acid by fermentation. Cristina M. M. Machado, Braz H. Oliveira, Ashok Pandey and Carlos R. Soccol, III International Seminar on Biotechnology in the Coffee Agro-industry, May 24-28, Londrina, Brazil, p. 39 (1999)
1173. Optimization of culture medium for production of volatile compounds by *Pachysolen tannophilus* grown on solid coffee wastes, Marlene Soares, Carlos R. Soccol, Ashok Pandey, R. Fontana and Pierre Christen, III International Seminar on Biotechnology in the Coffee Agro-industry, May 24-28, Londrina, Brazil, p. 40 (1999)
1174. Production of edible mushroom *Lentinus edodes* on the coffee spent ground. Fan Leifa, Ashok Pandey, M. A. Krieger and Carlos R. Soccol, III International Seminar on Biotechnology in the Coffee Agro-industry, May 24-28, Londrina, Brazil, p. 49 (1999)
1175. Solid-state fermentation and fructification of *Pleurotus ostreatus* on the residue of coffee. Fan Leifa, Ashok Pandey and Carlos R. Soccol, III International Seminar on Biotechnology in the Coffee Agro-industry, May 24-28, Londrina, Brazil, p. 50 (1999)
1176. Submerged fermentation of coffee pulp extract using *Volvariella volvacea*. Fan Leifa, Ashok Pandey, M. A. Krieger and Carlos R. Soccol, III International Seminar on Biotechnology in the Coffee Agro-industry, May 24-28, Londrina, Brazil, p. 51 (1999)
1177. Citric acid production by *Aspergillus niger* in solid-state fermentation of coffee husk. Luciana P.S. Vandenberghe, Ashok Pandey, Jean-Michel Lebeault and Carlos R. Soccol, III Internatl Seminar on Biotechnology in the Coffee Agro-industry, May 24-28, Londrina, Brazil, p. 53 (1999)

1178. Selective hydrolysis of hemicellulose fraction of coffee husk for production of sugars. A. L. Woiciechowski, Carlos R. Soccol, Ashok Pandey and E. Busato, III Internatl Seminar on Biotechnology in the Coffee Agro-industry, May 24-28, Londrina, Brazil, p. 54 (1999)
1179. Producao de acido citrico por fermentaco no estado solido com *Aspergillus niger* NRRL 2001 a partir do bagaco de mandioca. Luciana P.S. Vandenberghe, Carlos R. Soccol, Ashok Pandey and Jean-Michel Lebeault, VIII Internatl Argentinean Congress on Food Science and Technology, April 13-15, Rafaela- Santa-Fe, Argentina, p. 46 (1999)
1180. Bioconversion of sugar cane bagasse in solid-state fermentation by micro-organisms. Ashok Pandey, P. Nigam, C. R. Soccol, P. Selvakumar, Dalel Singhand V. T. Soccol. Internatl. Symp. on Microbial Biotechnology for Sustainable Development and Applications, Nov. 14-16, Jabalpur, India, p. 47 (1998) **INVITED TALK.**
1181. Biosynthesis of inulin hydrolysing enzyme in solid cultures. P. Selvakumar and Ashok Pandey. Internatl. Symp. on Microbial Biotechnology for Sustainable Development and Applications, Nov. 14-16, Jabalpur, India, p. 121 (1998)
1182. Citric acid production by *Aspergillus niger* in solid-state fermentation. L. P. S. Vandenberghe, C. R. Soccol, Ashok Pandey and J.-M. Lebeault, Internatl. Symp. on Microbial Biotechnology for Sustainable Development and Applications, Nov. 14-16, Jabalpur, India, p. 115 (1998)
1183. X-ray diffraction studies on solid-state fermentation for the production of glucoamylase using *Aspergillus niger*. P. S. Mukherjee, Ashok Pandey, P. Selvakumar, L. Ashakumary and P. Gurusamy. Internatl. Conf. on Frontiers in Biotechnology. - ICFB'97, Nov. 26-29, Trivandrum, India, p. 59 (1997)
1184. Isolation and characterization of inulinase producing strains from rhizosphere soil. P. Selvakumar and Ashok Pandey. Internatl. Conf. on Frontiers in Biotechnology. - ICFB'97, Nov. 26-29, Trivandrum, India, p. 65 (1997)
1185. L-glutamic acid accumulation in *Brevibacterium* sp. with response to osmotic stress. K. Madhavan Nampoothiri and Ashok Pandey. Internatl. Conf. on Frontiers in Biotechnology. - ICFB'97, Nov. 26-29, Trivandrum, India, p. 69 (1997)
1186. Growth characterization of *Aspergillus japonicus* for lipase synthesis on different media. P. Priya and Ashok Pandey. Internatl. Conf. on Frontiers in Biotechnology. - ICFB'97, Nov. 26-29, Trivandrum, India, p. 100A, (1997)
1187. pH induced changes in growth and pelletization in submerged cultures of *Streptomyces tendae*. R. Jayakumararaj and Ashok Pandey. Internatl. Conf. on Frontiers in Biotechnology. - ICFB'97, Nov. 26-29, Trivandrum, India, p. 114 (1997)
1188. Microbial production of bioactive substances. Ashok Pandey and K. Balakrishnan. Internatl. Conf. Biotechnology. and It's Global Impact. Oct. 7-11, Braunschweig, Germany (1996)
1189. Cassava starch - a potent raw material for L-glutamic acid production. Ashok Pandey and K. Madhavan Nampoothiri. Internatl. Meet on Tropical Tuber Crops IMOTUC 1996, Dec. 9-12, Trivandrum, India, p. 91 (1996)

1190. Purification and characterization of glucoamylase produced in SSF by *Aspergillus niger*. P. Selvakumar, L. Ashakumary, A. Helen and Ashok Pandey. Internatl. Symp. 'Trends in Microbiology', Dec. 5-8, Calcutta, India, p. 104 (1995)
1191. Investigations on antibioticly active secondary metabolite from a bacterium. Ashok Pandey. Internatl. Microbiol. Conf. MICON'94, Nov. 9-12, Mysore, India, p. 169 (1994) **INVITED TALK.**
1192. Studies on biosynthesis of avermectin. P. Selvakumar and Ashok Pandey. Internatl. Microbiol. Conf. MICON'94, Nov. 9-12, Mysore, India, p. 54 (1994)
1193. Growth and cyclosporin A production under shake flask conditions using *Tolypocladium inflatum*. K. Balakrishnan and Ashok Pandey. Internatl. Microbiol. Conf. MICON'94, Nov. 9-12, Mysore, India, p. 10 (1994)
1194. Production of glutamic acid by *Brevibacterium* sp. K. Madhavan Nampoothiri and Ashok Pandey. XVI Internatl. Conf. Biochem. Molecular Biol., Sept. 19-22, New Delhi, India (1994)
1195. Besoin nutritionnel en fer des bacteries lactiques et recherche de siderophores. Ashok Pandey, Francoise Bringel, J. C. Hubert and J. M. Meyer. VI Colloque de Club des Bacteries Lactiques. Avril 27-29, Lyon, The Netherlands (1994)
- 1196.** Starch to alcohol: A case study and its economics. Ashok Pandey. III Internatl. Food Conv., Sept. 6-11, Mysore, India, p. 61 (1993) **INVITED TALK.**
1197. Behaviour of *Aspergillus niger* NCIM 1245 in solid cultures. Ashok Pandey, L. Ashakumary and P. Selvakumar. III Internatl. Food Conv., Sept. 6-11, Mysore, India, p. 46 (1993)
1198. Glucoamylase biosynthesis by *Aspergillus niger* NCIM 1245 in solid-state fermentation. Ashok Pandey and S. Radhakrishnan. IX Internatl. Biotechnology. Symp., Aug. 16-21, Virginia, USA (1992)
1199. Production of glucoamylase by solid-state fermentation. Ashok Pandey. Internatl. Symp. Ind. Biotechnology., Nov. 18-20, Hyderabad, India, p. 33 (1992)
1200. Glucoamylase production in solid cultures. Ashok Pandey. Internatl. Conf. Ind. Appl. of Natural, Modified and Artificial Enzymes. Sept. 23-29, Pisa, Italy (1990)
1201. Impact of institutional research on Indian distilleries. Ashok Pandey, S. V. Ramakrishna, R. Jamuna, A. Haridas and A. D. Damodaran. Internatl. Conf. Modernization of Distilleries and Breweries. July 12-13, Srinagar, India (1989) **INVITED TALK.**
1202. Start-up of an anaerobic reactor for the treatment of natural rubber effluent. Ashok Pandey, L. G. Radhika and S. V. Ramakrishna. IAWPRC's Asian Workshop on Anaerobic Treatment. Nov. 7-8, Bangkok, Thailand (1989)
1203. Studies on adsorption of cellulases and ligninases on bagasse in solid-state fermentation. P. Nigam, Ashok Pandey and K. A. Prabhu. 17th FEBS Meeting. Aug. 24-29, Berlin, Germany (1986)
1204. Fermentative production of lactic acid from molasses. Ashok Pandey and K. P. Tiwari. First Arab Gulf Conf. Biotechnology. Appl. Microbiol., Nov. 12-14, Riyadh, Saudi Arabia (1984)

1205. Biomass to fuels and chemicals: Production of bioethanol from renewable alternative feedstocks, Ashok Pandey, 1<sup>st</sup> Biomass to Bio-value Summit, Centre for Innovative and Applied Bioprocessing, Mohali, February 11-12 (2016)
1206. Industrial enzymes: Production and perspectives, Ashok Pandey, Bioprocessing India 2015, Indian Institute of Technology, Chennai; December 17-19 (2015)
1207. Second Generation Bioethanol: Availability of Feedstocks in India, Ashok Pandey, Bioprocessing India 2013, December 5-7, IIT, Delhi (2013) **INVITED LECTURE**
1208. New generations of biofuels: how sustainable they are? Ashok Pandey, National Conference on Sustainable Development & Role of Technologies, May 18-19, Regional College for Engineering for Woman, Jaipur (2012) **INVITED LECTURE**
1209. Science and Society: The Growth of Indian Science- Status and Perspectives for Biotechnology, Ashok Pandey, INSPIRE Summer Program, July 16, Pune (2011) **INVITED LECTURE**
1210. GM Crops: Status and perspectives- what is good for India, Ashok Pandey, National Symposium on Advances in Transgenic technology and its impact on the national economy, SHIATS, Allahabad, April 23, p10 (2010) **KEYNOTE LECTURE**
1211. Assessment of biological resources for sustainable use: The case of lignocellulosic agro-industrial residues as feedstock for bioconversion to bioethanol, KP Rajasree, Lalitha DG, KU Janu, K Satyanagalakshmi, KV Sajna, N Kurian, A Mathew, Reeta Rani Singhania, P Binod, R Sindhu, VJ Surender, RK Sukumaran & Ashok Pandey, National Conference on Bioprospecting: Access for Sustainable Development, National Institute of Technology, Allahabad, February 19-20, pp 1-2 (2010) **INVITED LECTURE**
1212. Bioprocessing of agro-industrial feedstocks for sustainable development: Production of bioethanol using Indian feedstocks, P Binod, K Satyanagalakshmi, Lalitha DG, Reeta Rani Singhania, KP Rajasree, A Mathew, KU Janu, KV Sajna, N Kurian, R Sindhu, RK Sukumaran & Ashok Pandey, National Symposium on Recent Advances in Biotechnology, Anna University, Tiruchirappalli, January 23-24, pp 11-12 (2010) **KEYNOTE LECTURE**
1213. Industrial enzymes – the tools for bioprocesses: Role and significance of microbial cellulases in biorefineries, Reeta Rani Singhania & Ashok Pandey, 97<sup>th</sup> Indian Science Congress, Trivandrum, January 3-7 (2010) **INVITED LECTURE**
1214. Bioethanol from lignocellulosic biomass: Challenges and opportunities, P Binod, R Sindhu, VJ Surender, Reeta Rani Singhania, KP Rajasree, Lalitha DG, K Satyanagalakshmi, KU Janu, KV Sajna, N Kurien, RK Sukumaran & Ashok Pandey, AICTE & IIT- Kharagpur national symposium on bioenergy during Winter School on ‘Waste Minimization and Bio-energy Recovery’, Kharagpur, November 22-26 (2009) **KEYNOTE LECTURE**
1215. Opportunities and challenges in the production of lignocellulosic bioethanol, Reeta Rani Singhania, P Binod, R Sindhu, VJ Surender, Lalitha Devi G, KU Janu, K Satyanagalakshmi, KV Sajna, N

- Kurian, RK Sukumaran & Ashok Pandey, IChE & TIFAC seminar on Bioprocess Technologies- Emerging opportunities, New Delhi, October 9 (2009) **INAUGURAL KEY NOTE LECTURE**
1216. Current Status of Research and Implementation of Bioenergy in India, Reeta Rani Singhania, P Binod Parmeswaran, R Sindhu, RK Sukumaran & Ashok Pandey, National seminar on biological and alternative energies- Present and future, Visakhapatnam, August 30-31 (2009) **KEY NOTE LECTURE**
1217. Horizons of Biotechnology: Sustainable Developments and Perspectives, Ashok Pandey, National Seminar on System Biology, Madurai, January 10-11 (2008) **INAUGURAL KEY NOTE LECTURE**
1218. New generation of biofuels: Concept of biorefinery for the production of bioethanol, Reeta Rani Singhania, GM Mathew, RK Sukumaran & Ashok Pandey, National Seminar on Biotechnological Intervention for Conservation and Sustainable Utilization of Bioresources, Sathyabama University, Chennai, August 7-9 (2008) **INVITED LECTURE**
1219. Horizons of Biotechnology, Ashok Pandey, National Seminar on Microbes in Pharmaceuticals, food and agroculture, Vidyasagara University, Midapore, December 20-21 (2006) **INAUGURAL KEY NOTE LECTURE**
1220. Developments in Biotechnology, Seminar on The Plentitude of Microbial World, Trivandrum, December 12 (2006) **INAUGURAL KEY NOTE LECTURE**
1221. Studies on beta lactamase production by *E coli* NCIM 2571, AK Patel, KM Nampoothiri, SK Singh, Ashok Pandey, In- National Conference on Path to Health- Biotechnology Revolution in India & 2<sup>nd</sup> BRSI Convention, Anna University, Chennai, November 24-26, p49 (2005)
1222. Utilization of various agro-residues for fungal alpha amylase production, S Sivaramakrishnan, D Gangadharan, KM Nampoothiri, Ashok Pandey, In- National Conference on Path to Health- Biotechnology Revolution in India & 2<sup>nd</sup> BRSI Convention, Anna University, Chennai, November 24-26, p45 (2005)
1223. L(+) lactic acid production from cassava bagasse starch hydrolysate using immobilized lactobacilli in a packed column bioreactor, RP John, KM Nampoothiri, Ashok Pandey, In- National Conference on Path to Health- Biotechnology Revolution in India & 2<sup>nd</sup> BRSI Convention, Anna University, Chennai, November 24-26, p42 (2005)
1224. Study of some factors affecting cellulase production by *Trichoderma reesei* RUT C30 under SSF on wheat bran using a Plaket- & Burmen design, RR Singhania, RK Sukumaran, Ashok Pandey, In- National Conference on Path to Health- Biotechnology Revolution in India & 2<sup>nd</sup> BRSI Convention, Anna University, Chennai, November 24-26, p41 (2005)
1225. Microbial production of N-acetyl glucosamine- a dietary supplement, P Binod, C Sandhya, P Sum, Ashok Pandey, In- National Conference on Path to Health- Biotechnology Revolution in India & 2<sup>nd</sup> BRSI Convention, Anna University, Chennai, November 24-26, p 38 (2005)

1226. Partial purification and characterization of a fungal phytase, K Roopesh, P Jacob, KM Nampoothiri, G Szakacs, Ashok Pandey, In- National Conference on Path to Health- Biotechnology Revolution in India & 2<sup>nd</sup> BRSI Convention, Anna University, Chennai, November 24-26, p33 (2005)
1227. Solid-state fermentation for the production of bacterial alpha amylase, D Gangadharan, S Sivaramakrishnan, KM Nampoothiri, Ashok Pandey, In- National Conference on Path to Health- Biotechnology Revolution in India & 2<sup>nd</sup> BRSI Convention, Anna University, Chennai, November 24-26, p 28 (2005)
1228. Effect of nutrients on pigment production by *Monascus purpureus* under solid-state fermentation, S Babitha, CR Soccol, Ashok Pandey, In- National Conference on Path to Health- Biotechnology Revolution in India & 2<sup>nd</sup> BRSI Convention, Anna University, Chennai, November 24-26, p23 (2005)

**BEST ORAL PRESENTATION AWARD**

1229. Purification and characterization of a *Rhizopus* phytase, P Jacob, K Roopesh, KM Nampoothiri, G Szakacs, Ashok Pandey, In- National Conference on Path to Health- Biotechnology Revolution in India & 2<sup>nd</sup> BRSI Convention, Anna University, Chennai, November 24-26, p7 (2005)
1230. Molecular approach to search for soil isolates producing beta lactamase, SK Singh, AK Patel, KM Nampoothiri, Ashok Pandey In- National Conference on Path to Health- Biotechnology Revolution in India & 2<sup>nd</sup> BRSI Convention, Anna University, Chennai, November 24-26, p2 (2005)
1231. Cellulase production using cassava bagasse as a substrate, Reeta Rani Singhania, RK Sukumaran, P. Prema & Ashok Pandey, National Seminar on Achievements & Opportunities in Post-harvest Management & Value Addition in Root & Tuber Crops, CTCRI, Trivandrum, 19-20 July (2005)
1232. Acetic acid production using cellulosic biomass, SM Das, C. Sandhya, P. Prema and Ashok Pandey, In- National Conference on Developments in Biotechnology: Emerging Trends and Challenges & First BRSI Convention, North Maharashtra University, Jalgaon, Nov: 25-27, p 83 (2004)
1233. Monitoring L- lactic acid production from cassava bagasse hydrolysate by *Lactobacillus delbrueckii* RP John, KM Nampoothiri, B. Riny and Ashok Pandey, In- National Conference on Developments in Biotechnology: Emerging Trends and Challenges & First BRSI Convention, North Maharashtra University, Jalgaon, Nov: 25-27, pp 82-83 (2004)
- 1234. Food grade pigments from *Monascus* sp employing agro-industrial residues, S Babitha, C Sandhya, CR Soccol and Ashok Pandey, In- National Conference on Developments in Biotechnology: Emerging Trends and Challenges & First BRSI Convention, North Maharashtra University, Jalgaon, Nov: 25-27, p 82 (2004) BEST POSTER PRESENTATION AWARD**
1235. Monitoring of N-acetylglucosamine release from colloidal chitin, P Binod, C Sandhya, G Szakacs and Ashok Pandey, In- National Conference on Developments in Biotechnology: Emerging Trends and Challenges & First BRSI Convention, North Maharashtra University, Jalgaon, Nov: 25-27, p 81-82 (2004)
1236. Assessment of oil cakes as substrates in solid-state fermentation for the synthesis of eco-friendly feed-additive, S Ramachandran, K Roopesh, KM Nampoothiri and G Szakacs and Ashok Pandey,



- In- National Conference on Developments in Biotechnology: Emerging Trends and Challenges & First BRSI Convention, North Maharashtra University, Jalgaon, Nov: 25-27, p 81 (2004)
1237. Fungal cellulase production using lignocellulosic residue, Reeta Rani Singhania, A Pillai, P Prema & Ashok Pandey, In- National Conference on Developments in Biotechnology: Emerging Trends and Challenges & First BRSI Convention, North Maharashtra University, Jalgaon, Nov: 25-27, p 57 (2004)
1239. Neutral protease production by *Aspergillus oryzae* in liquid medium, C Sandhya, A Sumantha, PV Deepa, PV Anuvindha, G Szakacs and Ashok Pandey, In- National Conference on Developments in Biotechnology: Emerging Trends and Challenges & First BRSI Convention, North Maharashtra University, Jalgaon, Nov: 25-27, p 55 (2004)
1240. Fungal food grade protease production in solid-state fermentation, A Sumantha, C Sandhya, G Szakacs and Ashok Pandey, In- National Conference on Developments in Biotechnology: Emerging Trends and Challenges & First BRSI Convention, North Maharashtra University, Jalgaon, Nov: 25-27, p 55 (2004)
1241. Micro-organisms as tools for industrial enzymes, P Binod and Ashok Pandey, National seminar on Advances in Biological Sciences, August 13, Coimbatore, p 20 (2004) **PLENARY TALK**
1242. Production of tannase on polystyrene beads and wheat bran under solid-state fermentation, A Sabu, Rani M Sebastin and Ashok Pandey, Biohorizon-2004- 6<sup>th</sup> National Symposium on Biochemical Engineering and Biotechnology, March 12-13, New Delhi (2004)
- 1243.** Production of pigments in solid-state fermentation (in Hindi), S Babitha and Ashok Pandey, 3<sup>rd</sup> All India Science Congress (in Hindi), February 19-21, New Delhi, p. 67 (2004) **INVITED TALK**
- 1244.** Production of microbial pigments, S Babitha, C Sandhya and Ashok Pandey, National Seminar on Advancement in Biosciences, October 3-4, Coimbatore, p. 6 (2003) **INVITED TALK**
- 1245.** Bioconversion of agro-industrial residues, Ashok Pandey, Refresher Course on Plant Biotechnology, February 25, Tirunelveli (2003) **INVITED TALK**
1246. Bioprocess technology for the production of biopharmaceuticals, Ashok Pandey, National symposium on Biosciences: Biotechnology in Health Care, February 14-15, Coimbatore, p. 15 (2003) **PLENARY TALK**
- 1247.** Microbial enzyme- the emerging trend, Ashok Pandey, National Symposium on Environmental Biotechnology and Biodiversity Conservation, January 31- February 1, Vallabh Vidyanagar, p. 9-10 (2003) **INVITED TALK**
- 1248.** Production of enzymes from agro-industrial residues- a biotechnological technique, Roopesh Krishnan, Sumitra Ramachandran, Babitha S, Binod P and Ashok Pandey, National symposium on Environmental Science and Technology [in Hindi], January 6-7, Rajkot, p. 6 (2003) **INVITED TALK**
1249. Value addition of the coconut oil cake by biotechnological means, Sumitra Ramachandran, K M Nampoothiri and Ashok Pandey, National symposium on Environmental Science and Technology [in Hindi], January 6-7, Rajkot, p. 7 (2003)

1250. Broad spectrum of enzymes- the emerging technology, National Conference on Frontiers in Enzyme Technology, November 15-16, Coimbatore (2002) **INVITED TALK**
1251. Chitinase production by *Trichoderma harzianum*, A Leelakrishna, C Sandhya, K M Nampoothiri, A Sabu and Ashok Pandey, National symposium on bioactive molecules [in Hindi], October 24-25, Trivandrum, p. 42 (2002)
1252. Production of gellan gum by *Sphingomonas posimobilis*, Reeta Rani Singhanian, K M Nampoothiri, A Sabu, C Sandhya and Ashok Pandey, National symposium on bioactive molecules [in Hindi], October 24-25, Trivandrum, p. 43 (2002) **BEST POSTER AWARD**
1253. Purification and characterization of alpha amylase produced in solid-state fermentation, Anil Kumar Patel, K M Nampoothiri, S Ramachandran and Ashok Pandey, National symposium on bioactive molecules [in Hindi], October 24-25, Trivandrum, p. 44 (2002)
1254. Optimization of process parameters for alpha amylase production by *Aspergillus oryzae* in solid-state fermentation, Febe Francis, Ashok Pandey, K M Nampoothiri and A Sabu, National symposium on Biotechnology at the Turn of Millennium, Feb 4-5, Chennai (2002)
1255. Thos-awastha kinwasn men *Aspergillus oryzae* dwara amylase utpandan ke liye prakriya parameteron ka ishtatamikaran, Ashok Pandey, K Madhavan Nampoothiri, Febe Francis and A Sabu, National Science Symposium on Relevance of Interrelation between Organic Chemistry Technology and Biotechnology [Lang- Hindi], Jan 24-25, Pune (2002) **INVITED TALK**
1256. Characterization of fruity aroma compounds produced by *Ceratocystis fimbriata* in solid-state fermentation of coffee husk. M. Soares, C. R. Soccol, P. Christen, Ashok Pandey and M. Raimbault. VI Seminar on Enzymatic Hydrolysis of Biomass, Dec. 6-10, Maringa, n. 126 (1999)
1257. Aroma production by *Kluyveromyces marxianus* in solid-state fermentation of cassava bagasse. A. B. P. Medeiros, C. R. Soccol, P. Christen and Ashok Pandey. VI Seminar on Enzymatic Hydrolysis of Biomass, Dec. 6-10, Maringa, n. 127 (1999)
1258. Citric acid production by *Aspergillus niger* in solid-state fermentation using agro-industrial wastes. L. P. S. Vandenberghe, C. R. Soccol, Ashok Pandey and J. -M. Lebeault. VI Seminar on Enzymatic Hydrolysis of Biomass, Dec. 6-10, Maringa, n. 128 (1999)
1259. Production of edible mushroom *Pleurotus ostreatus* on coffee husk. Fan Leifa, C. R. Soccol and Ashok Pandey. VI Seminar on Enzymatic Hydrolysis of Biomass, Dec. 6-10, Maringa, n. 129 (1999)
1260. Biological detoxification of coffee husk using filamentous fungi in solid-state fermentation. D. Brand, C. R. Soccol, A. Araujo, G. M. Buczenko and Ashok Pandey. VI Seminar on Enzymatic Hydrolysis of Biomass, Dec. 6-10, Maringa, n. 132 (1999)
1261. Production of substrate for biotechnological processes from hydrolysis of coffee husk, A. L. Woiciechowski, C. R. Soccol, Ashok Pandey and E. Bustato, VI Seminar on Enzymatic Hydrolysis of Biomass, Dec. 6-10, Maringa, n. 133 (1999)

1262. Studies on extraction of extra-cellular protease from solid cultures of *Penicillium citrinum*. Sandro Germano, Valeria M. G. Lima, Maria L. Fernandes, Carlos R. Soccol, Ashok Pandey and Nadia Krieger. VI Seminar on Enzymatic Hydrolysis of Biomass, Dec. 6-10, Maringa, n. 134 (1999)
1263. Alimento fungico-cogumelo *Flammulina velutipes* a partir de residuos (celulosicos) de café. Fan L, Ashok Pandey, C. R. Soccol, III Latin-American Symposium on Food Science, November 16-19, Campinas, p. 67 (1999)
1264. Producao de fungos comestiveis a partir de residuos agro-industriais. Fan Leifa, Ashok Pandey, Carlos, R. Soccol and Radjiskumar Mohan. VI South Region Congress on Food Science and Technology, August 11-13, Curitiba (1999)
1265. Potential applications of cellulosic residues for the production of bulk chemicals and value added products. Ashok Pandey and Carlos R. Soccol. XIII Carbohydrate Conf., Nov. 19-20, Dehradun (1998) **INVITED TALK.**
- 1266.** Design and operation of a rotary bioreactor for the synthesis of glucoamylase in solid-state fermentation using fungal culture. Ashok Pandey and P. Selvakumar. Natl. Seminar on Bioprocessing and Recombinant- DNA Technology. March 27-28, Lucknow, p. 23 (1998) **INVITED TALK.**
- 1267.** Synthesis of Value Added Products by Micro-organisms in Solid State Fermentation. Ashok Pandey. 38th AMI Conf., Dec. 12-14, New Delhi (1997). **INVITED TALK.**
1268. Effect of agitation on pellet morphology of *Streptomyces tendae* in submerged fermentation. R. Jayakumararaj and Ashok Pandey. 38th AMI Conf., Dec. 12-14, New Delhi (1997).
- 1269.** *Thos awastha kingvan - paryavaran sankraman rokane ke liyeek adarsh tachnik.* Ashok Pandey and K. Balakrishnan. Natl. Seminar Environment III, Dec. 10-12, Pune, p. 58 (1996). **INVITED TALK.**
1270. Evaluation of *Kluyveromyces marxianus* for the production of inulinase and invertase. P. Selvakumar and Ashok Pandey. 37th AMI Conf., Dec. 4-6, Madras, p. 90 (1996)
1271. Biosynthesis of amino acids with immobilized cells of *Brevibacterium* sp. Madhavan Nampoothiri K. and Ashok Pandey. 37th AMI Conf., Dec. 4-6, Madras, p. 92 (1996)
1272. Packed bed bioreactor system for overproduction of lipase by immobilized *Candida rugosa*. Sailas Benjamin and Ashok Pandey. 37th AMI Conf., Dec. 4-6, Madras, p. 83 (1996)
- 1273.** Biotechnological potentials of solid state fermentation - an aquiver technology with a metaphysical timbre. Ashok Pandey, K. Balakrishnan, Madhavan Nampoothiri K. and Sailas Benjamin. Natl. Symp. Current Trends in Biochem. Biotechnology. of Fungi, Oct. 25-26, Hyderabad (1996). **INVITED TALK**
1274. Biochemical analysis on the mechanism of cyclosporin A biosynthesis. K. Balakrishnan and Ashok Pandey. Natl. Symp. Current Trends in Biochem. Biotechnology. of Fungi, Oct. 25-26, Hyderabad (1996).
- 1275.** Development in Biotechnology - SSF for waste minimization. Ashok Pandey. In - Course on "Clean Technologies including Biotechnology". Feb. 5-8, IIT, Bombay (1996) **INVITED TALK.**

1276. Lipase production by *Candida rugosa* in solid state and submerged fermentation - a comparative study. Sailas Benjamin and Ashok Pandey. AMI's Louis Pasteur Centenary Memorial Symp., Nov. 20, Trivandrum, p. 14 (1995)
1277. Studies on glutamic acid fermentation using *Brevibacterium* sp. K. Madhavan Nampoothiri and Ashok Pandey. AMI's Louis Pasteur Centenary Memorial Symp., Nov. 20, Trivandrum, p. 15 (1995)
1278. Role of microbial immunomodulators in molecular signal transduction. K. Balakrishnan and Ashok Pandey. AMI's Louis Pasteur Centenary Memorial Symp., Nov. 20, Trivandrum, p. 16 (1995)
1279. Fermentative production of L-glutamic acid using *Brevibacterium* sp. K. Madhavan Nampoothiri and Ashok Pandey. 36th AMI Ann. Conf., Nov. 8-10, Hisar, p. 166 (1995)
1280. Production of cyclosporin A in a packed bed reactor using immobilized *T. inflatum*. K. Balakrishnan and Ashok Pandey. 36th AMI Ann. Conf., Nov; 8-10, Hisar, p. 187 (1995)
1281. Solid-state fermentation: an overview. Ashok Pandey. Specialist Group Meeting and National Symposium on Solid State Fermentation, March 23-24, Trivandrum (1994).
- 1282.** Column fermenter for solid-state fermentation. L Ashakumary, P. Selvakumar and Ashok Pandey. Specialist Group Meeting and National Symposium on Solid State Fermentation, March 23-24, Trivandrum (1994). **BEST POSTER AWARD WINNER PAPER**
1283. Studies on bioactive microbial metabolites. K. Balakrishnan and Ashok Pandey. 35th AMI Conf., Feb. 9-11, Ludhiana, p. 72 (1994)
1284. Glutamic acid production by *Brevibacterium* sp. K. Madhavan Nampoothiri and Ashok Pandey. 62nd Ann. Meet. Soc. Biol. Chemists. Dec. 19-22, Madurai, p. 171 (1993)
1285. Fermentative production of avermectins by *Streptomyces avermitilis*. P. Selvakumar and Ashok Pandey. 62nd Ann. Meet. Soc. Biol. Chemists. Dec. 19-22, Madurai, p. 180 (1993)
1286. Potential commercial crops of Kerala: Cassava - a case study. Ashok Pandey and K. C. M. Raja. SPACIK'92. Aug. 29-30, Trivandrum (1992) **INVITED TALK.**
1287. Behaviour of *Aspergillus niger* for enzyme production in solid cultures. Ashok Pandey. 60th Ann. Meet. Soc. Biol. Chemists. Dec. 27-30, Calcutta (1991)
- 1288.** Starch saccharifying enzymes of commercial importance. Ashok Pandey. VII Carbohydrate Conf., Nov. 11-12, Dehradun, p. 18 (1991) **INVITED TALK.**
1289. Production of glucoamylase enzyme in solid cultures for cassava hydrolysis. Ashok Pandey. Natl. Symp. Recent Adv. in Prod. and Utilizn. of Trop. Tuber Crops. Nov., 7-8, Trivandrum (1990)
1290. Management of effluent from an edible oil (palm oil) industry. Ashok Pandey, S. V. Ramakrishna. Natl. Symp. Impact of Pollution in & from Food Industry and Its Management. May 4-5, Mysore (1989) **INVITED TALK.**
1291. Biological coagulation of skim latex. Ashok Pandey, S. V. Ramakrishna, M. Omnakutty, G. D. Surender. Natl. Symp. New Trends in Biotechnology., June 3-4, Trivandrum (1988)
- 1292.** Biotechnology research at RRL. Ashok Pandey. Workshop on Biotechnology: Potential Commercial Benefits in India. Aug. 22-23, Baroda (1987) **INVITED TALK.**

1293. Solid-state cultivation of basidiomycetes moulds on whole bagasse for improved animal feed - a case study. P. Nigam, Ashok Pandey and K. A. Prabhu. Natl. Seminar Bioenergy Information Sources. Aug. 27-28, New Delhi (1985)
1294. Effect of antibiotics on lactic acid bacteria. Ashok Pandey. 21st Ann. Convention Chemists. Oct. 14-19, Calcutta (1984)
1295. Influence of EDTA and its metal complexes on lactic acid fermentation. K. P. Tiwari and Ashok Pandey. 17<sup>th</sup> Annual Convention of Chemists. Dec. 9-13, Bombay (1980)

*\*Including visits to Germany (1992, 1995, 1996, 2000, 2003), Italy (1988), France (1992-93, 1995, 1996, 2001, 2003-2018), Greece (1995, 2003, 2009, 2010, 2011, 2012, 2015), UK (1997, 2000, 2001, 2007, 2012), Argentina (1999, 2009), Brazil (1998-2000, 2006, 2007, 2010), Malaysia (2000, 2003, 2016, 2018), Thailand (2000, 2002), Ireland (2001), Hungary (2001, 2002, 2003, 2004, 2005, 2006), Australia (2003, 2008, 2010, 2017), USA (2004, 2017, 2018), Mexico (2004, 2013), Korea (2007, 2008, 2009, 2012, 2013, 2016, 2018), Japan (2007), Switzerland (2007, 2008, 2009, 2010, 2017), Singapore (2008, 2017), Taiwan (2009, 2010, 2012, 2016), Hong Kong (2011, 2013, 2015, 2016, 2017, 2018), China (2011, 2013, 2016, 2017, 2018), Spain (2016, 2018), Sweden (2014, 2017), South Africa (2016, 2018), Netherlands (2017, 2018), Viet Nam (2017)*