

New combinations and a complete list of *Asparagus* species in southern Africa (Asparagaceae)

A.C. FELLINGHAM* and N.L. MEYER**

Keywords: Asparagaceae, *Asparagus*, new combinations, southern Africa, taxonomy

ABSTRACT

With only flower sexuality differing, *Protasparagus* can not be separated from *Asparagus*, neither at generic nor at subgeneric level. No significant differences in the degree to which filaments were connivent were observed between species placed under *Myrsiphyllum* and those under *Protasparagus/Asparagus*. All southern African species of Asparagaceae are therefore reinstated under *Asparagus* and listed here without recognition of subgenera. Several new combinations are made.

UITTREKSEL

Met slegs die geslagtelikheid van die blomme wat verskil, kan *Protasparagus* nie van *Asparagus* geskei word nie, nóg op genus- nóg op subgenusvlak. Geen noemenswaardige verskille in die mate waartoe helmdrade saamneigend is, is waargeneem tussen spesies wat onder *Myrsiphyllum* geplaas is en dié onder *Protasparagus/Asparagus* nie. Alle Suider-Afrikaanse spesies van Asparagaceae word dus heringestel onder *Asparagus* en hier gelys sonder erkenning van subgenusse. Verskeie nuwe kombinasies word gemaak.

The family name Asparagaceae was proposed by Jussieu (1789), soon after the genus *Asparagus* was named by Linnaeus (1753). The debate on the division of the genus into separate genera or subgenera, was started by Willdenow (1808) with his description of the genus *Myrsiphyllum*, which was countered by Roemer & Schultes's (1829) treatment of *Asparagus* as a single genus. Kunth (1850) then not only subdivided the genus, but transferred it back to the Liliaceae. Baker (1875) continued the trend and it remained the standard treatment till Huber (1969) and Dahlgren & Clifford (1982) once again advanced the concept of separate genera and the family name, Asparagaceae.

Obermeyer (1983, 1984) adopted Kunth's (1850) division of *Asparagus* s.l. into three separate genera: *Myrsiphyllum* Willd., *Asparagus* L. with unisexual flowers and *Asparagopsis* Kunth for the bisexual southern African species, in preference to Baker's (1875) single genus with three subgenera, *Euasparagus* Baker (= *Asparagus*), *Asparagopsis* (Kunth) Baker and *Myrsiphyllum* (Willd.) Baker. As *Asparagopsis* had been used by Montagne (1840) for a genus of the Rhodophycaceae and was therefore an illegitimate homonym in Kunth's application, *Protasparagus* Oberm. (1983) was published. This stance was also taken in the treatment of the family for the *Flora of southern Africa* by Obermeyer & Immelman (1992).

Malcomber & Sebsebe (1993) came to the conclusion that, with only flower sexuality differing, *Protasparagus* and *Asparagus* could not be separated at generic level nor

even kept as separate subgenera, but rather, on the basis of the shared character of free filaments, *Protasparagus* and *Asparagus* belonged together in the subgenus *Asparagus*. Neither could *Myrsiphyllum* be a distinct genus on the strength of connivent filaments versus free ones in the rest of the Asparagaceae. This character was, however, sufficient to distinguish the taxon as a subgenus. They therefore proposed that *Asparagus* be the only genus in the Asparagaceae, with subgenera *Myrsiphyllum* and *Asparagus*, the latter including the species previously placed in *Protasparagus*.

We accept the treatment by Malcomber & Sebsebe (1993) with reservation. The absence of *A. juniperoides* Engl. and *A. multitudinosa* R.A. Dyer from the list of species investigated by these authors, prompted further investigation. As the close relatives of these two species are in the subgenus with connivent filaments, it could be expected to find the same condition here. However, it could not be demonstrated that filaments were markedly connivent, and no significant differences were observed in the degree to which filaments were connivent in the two subgenera. Therefore, we prefer to refrain from dividing the southern African species of the genus into subgenera.

In addition to the new combination made by Malcomber & Sebsebe (1993), more new combinations as well as reinstatements are necessary for the southern African species of the genus *Asparagus*. The numbers next to the species names listed alphabetically below (comb. nov. numbers indented), are the species numbers allocated by Obermeyer & Immelman (1992); those in *Myrsiphyllum* being affixed with an 'M'.

53. *Asparagus acocksii* Jessop in Bothalia 9: 74 (1966).

Protasparagus acocksii (Jessop) Oberm.: 243 (1983); Oberm. & Immelman: 57 (1992).

*Stellenbosch Herbarium, National Botanical Institute, P.O. Box 471, Stellenbosch 7599.

**National Herbarium, National Botanical Institute, Private Bag X101, Pretoria 0001.

MS. received: 1995-02-21.

46. Asparagus aethiopicus L., Mantissa plantarum: 32 (1767).

Protasparagus aethiopicus (L.) Oberm.: 243 (1983); Oberm. & Immelman: 54 (1992).

19. Asparagus africanus Lam., Encyclopédie méthodique 1: 295 (1783).

Protasparagus africanus (Lam.) Oberm.: 243 (1983); Oberm. & Immelman: 35 (1992).

48. Asparagus aggregatus (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus aggregatus Oberm. in Oberm. & Immelman: 55 (1992).

M8. Asparagus alopecurus (Oberm.) Malcomber & Sebsebe in Kew Bulletin 48: 73 (1993).

Myrsiphyllum alopecurum Oberm.: 85 (1984); Oberm.: 78 (1992).

50. Asparagus angusticladus (Jessop) Fellingham & N.L. Mey. comb. nov.

Asparagus aethiopicus L. var. *angusticladus* Jessop: 69 (1966). *Protasparagus angusticladus* (Jessop) Oberm.: 243 (1983); Oberm. & Immelman: 56 (1992).

M2. Asparagus asparagoides (L.) W. Wight, Century Dictionary 2: 845 (1909).

Medeola asparagoides L.: 339 (1753). *Myrsiphyllum asparagoides* (L.) Willd.: 25 (1808); Oberm.: 78 (1984); Oberm.: 73 (1992).

51. Asparagus aspergillus Jessop in Bothalia 9: 71 (1966).

Protasparagus aspergillus (Jessop) Oberm.: 243 (1983); Oberm. & Immelman: 56 (1992).

2. Asparagus bayeri (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus bayeri Oberm. in Oberm. & Immelman: 21 (1992).

17. Asparagus bechuanicus Baker in W.T. Thiselton-Dyer, Flora of tropical Africa 7: 429 (1898).

Protasparagus bechuanicus (Baker) Oberm. in Oberm. & Immelman: 33 (1992).

63. Asparagus biflorus (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus biflorus Oberm. in Oberm. & Immelman: 63 (1992).

34. Asparagus buchananii Baker in Kew Bulletin 1893: 211 (1893).

Protasparagus buchananii (Baker) Oberm.: 243 (1983); Oberm. & Immelman: 45 (1992).

8. Asparagus burchellii Baker in Journal of the Linnean Society of London, Botany 14: 618 (1875).

Protasparagus burchellii (Baker) Oberm. in Oberm. & Immelman: 27 (1992).

4a. Asparagus capensis L. var. capensis, Species plantarum, edn 1: 314 (1753).

Protasparagus capensis (L.) Oberm.: 243 (1983); Oberm. & Immelman: 23 (1992).

4b. Asparagus capensis L. var. litoralis Suess. & J. Karl in Mitteilungen der Botanischen Staatssammlung, München 1: 50 (1950); Jessop: 44 (1966).

Protasparagus capensis L. var. *litoralis* (Suess. & J. Karl) Oberm. comb. illeg. in Oberm. & Immelman: 24 (1992).

47. Asparagus clareae (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus clareae Oberm. in Oberm. & Immelman: 54 (1992).

45. Asparagus coddii (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus coddii Oberm. in Oberm. & Immelman: 53 (1992).

59. Asparagus concinnus (Baker) Kies in Bothalia 6: 178 (1951a).

Asparagus africanus Lam. var. *concinnus* Baker: 619 (1875). *Protasparagus concinnus* (Baker) Oberm. & Immelman: 61 (1992).

41. Asparagus confertus K. Krause in Botanische Jahrbücher 51: 449 (1914).

Protasparagus confertus (K. Krause) Oberm. in Oberm. & Immelman: 51 (1992).

18. Asparagus cooperi Baker in Gardeners' Chronicle 1: 818 (1874a).

Protasparagus cooperi (Baker) Oberm.: 243 (1983); Oberm. & Immelman: 33 (1992).

52. Asparagus crassicladus Jessop in Bothalia 9: 75 (1966).

Protasparagus crassicladus (Jessop) Oberm.: 243 (1983); Oberm. & Immelman: 57 (1992).

M9. Asparagus declinatus L., Species plantarum, edn 1: 313 (1753).

Myrsiphyllum declinatum (L.) Oberm.: 86 (1984); Oberm.: 78 (1992).

39. Asparagus densiflorus (Kunth) Jessop in Bothalia 9: 65 (1966).

Asparagopsis densiflora Kunth: 96 (1850). *Protasparagus densiflorus* (Kunth) Oberm. in Oberm. & Immelman: 49 (1992).

21. Asparagus denudatus (Kunth) Baker in Journal of the Linnean Society of London, Botany 14: 606 (1875).

Asparagopsis denudatus Kunth: 82 (1850). *Protasparagus denudatus* (Kunth) Oberm.: 243 (1983); Oberm. & Immelman: 36 (1992).

30. Asparagus devenishii (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus devenishii Oberm. in Oberm. & Immelman: 41 (1992).

69. Asparagus divaricatus (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus divaricatus Oberm. in Oberm. & Immelman: 67 (1992).

29. Asparagus edulis (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus edulis Oberm. in Oberm. & Immelman: 41 (1992).

10. Asparagus exsertus (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus exsertus Oberm. in Oberm. & Immelman: 29 (1992).

32. Asparagus exuvialis Burch., Travels in the interior of southern Africa 1: 432 (1822).

Protasparagus exuvialis (Burch.) Oberm.: 244 (1983); Oberm. & Immelman: 42 (1992).

32a. Asparagus exuvialis Burch. forma **ecklonii** (Baker) Fellingham & N.L. Mey. comb. nov.

Asparagus ecklonii Baker: 615 (1875). *Protasparagus exuvialis* (Burch.) Oberm. forma *ecklonii* (Baker) Oberm. in Oberm. & Immelman: 43 (1992).

33. Asparagus falcatus L., Species plantarum, edn 1: 313 (1753).

Protasparagus falcatus (L.) Oberm.: 244 (1983); Oberm. & Immelman: 43 (1992).

M12. Asparagus fasciculatus Thunb., Flora capensis, edn 2: 329 (1823).

Myrsiphyllum fasciculatum (Thunb.) Oberm.: 87 (1984); Oberm.: 80 (1992).

40. Asparagus filicladus (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus filicladus Oberm. in Oberm. & Immelman: 51 (1992).

11a. Asparagus flavicaulis (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus flavicaulis Oberm. in Oberm. & Immelman: 29 (1992).

11b. Asparagus flavicaulis (Oberm.) Fellingham & N.L. Mey. subsp. **setulosus** (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus flavicaulis Oberm. subsp. *setulosus* Oberm. in Oberm. & Immelman: 30 (1992).

61. Asparagus fouriei (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus fouriei Oberm. in Oberm. & Immelman: 62 (1992).

28. Asparagus fractiflexus (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus fractiflexus Oberm. in Oberm. & Immelman: 40 (1992).

3. Asparagus glaucus Kies in Bothalia 6: 229 (1951b).

Protasparagus glaucus (Kies) Oberm.: 224 (1983); Oberm. & Immelman: 23 (1992).

31. Asparagus graniticus (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus graniticus Oberm. in Oberm. & Immelman: 42 (1992).

68. Asparagus intricatus (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus intricatus Oberm. in Oberm. & Immelman: 65 (1992).

M7. Asparagus juniperoides Engl. in Botanische Jahrbücher 10: 3 (1889).

Myrsiphyllum juniperoides (Engl.) Oberm.: 84 (1984); Oberm.: 78 (1992).

M4. Asparagus kraussianus (Kunth) J.E. Macbr. in Contributions from the Gray Herbarium 56: 17 (1918).

Myrsiphyllum kraussianum Kunth: 107 (1850); Oberm.: 80 (1984); Oberm.: 76 (1992).

42. Asparagus krebsianus (Kunth) Jessop in Bothalia 9: 74 (1966).

Asparagopsis krebsiana Kunth: 93 (1850). *Protasparagus krebsianus* (Kunth) Oberm.: 244 (1983); Oberm. & Immelman: 51 (1992).

16. Asparagus laricinus Burch., Travels in the interior of southern Africa 1: 537 (1822).

Protasparagus laricinus (Burch.) Oberm.: 244 (1983); Oberm. & Immelman: 33 (1992).

23. Asparagus lignosus Burm.f., Prodromus florae capensis: 10 (1768).

Protasparagus lignosus (Burm.f.) Oberm. in Oberm. & Immelman: 37 (1992).

20. Asparagus longicladus N.E. Br. in Kew Bulletin 1921: 298 (1921).

Protasparagus longicladus (N.E. Br.) B. Mathew: 181 (1989); Oberm. & Immelman: 36 (1992).

36. Asparagus lynetteae (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus lynetteae Oberm. in Oberm. & Immelman: 47 (1992).

60. Asparagus macowanii Baker in Journal of the Linnean Society of London, Botany 14: 609 (1875).

Protasparagus macowanii (Baker) Oberm.: 244 (1983); Oberm. & Immelman: 62 (1992).

6. Asparagus mariae (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus mariae Oberm. in Oberm. & Immelman: 24 (1992).

57. Asparagus microraphis (Kunth) Baker in Journal of the Linnean Society of London, Botany 14: 612 (1875).

Asparagopsis microraphis Kunth: 83 (1850). *Protasparagus microraphis* (Kunth) Oberm.: 244 (1983); Oberm. & Immelman: 59 (1992).

64. Asparagus minutiflorus (Kunth) Baker in Journal of the Linnean Society of London, Botany 14: 616 (1875).

Asparagopsis minutiflorus Kunth: 89 (1850). *Protasparagus minutiflorus* (Kunth) Oberm.: 244 (1983); Oberm. & Immelman: 64 (1992).

15. Asparagus mollis (Oberm.) Fellingham & N.L. Mey. comb. nov.

Protasparagus mollis Oberm. in Oberm. & Immelman: 32 (1992).

25. Asparagus mucronatus Jessop in Bothalia 9: 56 (1966).

Protasparagus mucronatus (Jessop) Oberm. in Oberm. & Immelman: 38 (1992).

27. Asparagus multiflorus Baker in Journal of the Linnean Society of London, Botany 14: 610 (1875).

Protasparagus multiflorus (Baker) Oberm.: 244 (1983); Oberm. & Immelman: 39 (1992).

M1. Asparagus multituberous R.A. Dyer in Bothalia 6: 442 (1954).

Myrsiphyllum multituberosum (R.A. Dyer) Oberm.: 77 (1984); Oberm.: 73 (1992).

- 49. Asparagus natalensis (Baker) Fellingham & N.L. Mey.** comb. nov.
Asparagus aethiopicus L. var. *natalensis* Baker: 272 (1896). *Protaspasparagus natalensis* (Baker) Oberm.: 244 (1983); Oberm. & Immelman: 56 (1992).
- 37. Asparagus nelsii Schinz** in Bulletin de l'Herbier Boissier, Sér. 1,4, App. 3: 44 (1896).
Protaspasparagus nelsii (Schinz) Oberm.: 244 (1983); Oberm. & Immelman: 48 (1992).
- 56. Asparagus nodulosus (Oberm.) Fellingham & N.L. Mey.** comb. nov.
Protaspasparagus nodulosus Oberm. in Oberm. & Immelman: 59 (1992).
- 12. Asparagus oliveri (Oberm.) Fellingham & N.L. Mey.** comb. nov.
Protaspasparagus oliveri Oberm. in Oberm. & Immelman: 30 (1992).
- M3. Asparagus ovatus T.M. Salter** in Journal of South African Botany 6: 167 (1940).
Myrsiphyllum ovatum (T.M. Salter) Oberm.: 79 (1984); Oberm.: 75 (1992).
- 38. Asparagus oxyacanthus Baker** in Journal of the Linnean Society of London, Botany 14: 625 (1875).
Protaspasparagus oxyacanthus (Baker) Oberm.: 244 (1983); Oberm. & Immelman: 48 (1992).
- 22. Asparagus pearsonii Kies** in Bothalia 6: 179 (1951a).
Protaspasparagus pearsonii (Kies) Oberm.: 244 (1983); Oberm. & Immelman: 37 (1992).
- 14. Asparagus pendulus (Oberm.) Fellingham & N.L. Mey.** comb. nov.
Protaspasparagus pendulus Oberm. in Oberm. & Immelman: 32 (1992).
- 55. Asparagus plumosus Baker** in Journal of the Linnean Society of London, Botany 14: 613 (1875).
Protaspasparagus plumosus (Baker) Oberm.: 244 (1983); Oberm. & Immelman: 59 (1992).
- 35. Asparagus racemosus Willd.**, Species plantarum edn 4,2: 152 (1799).
Protaspasparagus racemosus (Willd.) Oberm.: 244 (1983); Oberm. & Immelman: 45 (1992).
- M11. Asparagus ramosissimus Baker** in Gardeners' Chronicle new series 2: 6 (1874b).
Myrsiphyllum ramosissimum (Baker) Oberm.: 87 (1984); Oberm.: 79 (1992).
- 1. Asparagus recurvispinus (Oberm.) Fellingham & N.L. Mey.** comb. nov.
Protaspasparagus recurvispinus Oberm. in Oberm. & Immelman: 19 (1992).
- 26. Asparagus retrofractus L.**, Species plantarum, edn 1: 313 (1753).
Protaspasparagus retrofractus (L.) Oberm.: 244 (1983); Oberm. & Immelman: 39 (1992).
- 65. Asparagus rigidus Jessop** in Bothalia 9: 64 (1966).
Protaspasparagus rigidus (Jessop) Oberm.: 244 (1983); Oberm. & Immelman: 64 (1992).
- 24. Asparagus rubicundus P.J. Bergius**, Descriptiones plantarum ex Capite Bonae Spei: 88 (1767).
Protaspasparagus rubicundus (P.J. Bergius) Oberm.: 244 (1983); Oberm. & Immelman: 38 (1992).
- M10. Asparagus scandens Thunb.**, Prodromus plantarum capensium 1: 66 (1794).
Myrsiphyllum scandens (Thunb.) Oberm.: 86 (1984); Oberm.: 79 (1992).
- 44. Asparagus schroederi Engl.** in Botanische Jahrbücher 32: 97 (1903).
Protaspasparagus schroederi (Engl.) Oberm.: 244 (1983); Oberm. & Immelman: 53 (1992).
- 62. Asparagus sekukuniensis (Oberm.) Fellingham & N.L. Mey.** comb. nov.
Protaspasparagus sekukuniensis Oberm. in Oberm. & Immelman: 63 (1992).
- 54. Asparagus setaceus (Kunth)** Jessop in Bothalia 9: 51 (1966).
Asparagopsis setacea Kunth: 82 (1850). *Protaspasparagus setaceus* (Kunth) Oberm.: 244 (1983); Oberm. & Immelman: 58 (1992).
- 9. Asparagus spinescens Steud. ex Roem. & Schult.**, Systema vegetabilium 7,1: 334 (1829).
Protaspasparagus spinescens (Steud. ex Roem. & Schult.) Oberm. in Oberm. & Immelman: 27 (1992).
- 58. Asparagus stellatus Baker** in Journal of the Linnean Society of London, Botany 14: 612 (1875).
Protaspasparagus stellatus (Baker) Oberm. in Oberm. & Immelman: 61 (1992).
- 5. Asparagus stipulaceus Lam.**, Encyclopédie méthodique 1: 297 (1783).
Protaspasparagus stipulaceus (Lam.) Oberm.: 244 (1983); Oberm. & Immelman: 24 (1992).
- 66. Asparagus striatus (L.f.) Thunb.**, Prodromus plantarum capensium 1: 65 (1794).
Dracaena striata L.f.: 204 (1781). *Protaspasparagus striatus* (L.f.) Oberm.: 244 (1983); Oberm. & Immelman: 64 (1992).
- 7. Asparagus suaveolens Burch.**, Travels in the interior of southern Africa 2: 226 (1824).
Protaspasparagus suaveolens (Burch.) Oberm.: 244 (1983); Oberm. & Immelman: 25 (1992).
- 67. Asparagus subulatus Thunb.**, Prodromus plantarum capensium 1: 66 (1794).
Protaspasparagus subulatus (Thunb.) Oberm.: 244 (1983); Oberm. & Immelman: 65 (1992).
- 43. Asparagus transvaalensis (Oberm.) Fellingham & N.L. Mey.** comb. nov.
Protaspasparagus transvaalensis Oberm. in Oberm. & Immelman: 52 (1992).
- M6. Asparagus undulatus (L.f.) Thunb.**, Prodromus plantarum capensium 1: 66 (1794).
Dracaena undulata L.f.: 203 (1781). *Myrsiphyllum undulatum* (L.f.) Kunth: 109 (1850); Oberm.: 83 (1984); Oberm.: 77 (1992).

13. Asparagus virgatus Baker in *Refugium botanicum* 3: t. 214 (1870).

Protasparagus virgatus (Baker) Oberm. in Oberm. & Immelman: 31 (1992).

M5. Asparagus volubilis Thunb., *Prodromus plantarum capensium* 1: 66 (1794).

Myrsiphyllum volabile (Thunb.) Oberm.: 82 (1984); Oberm.: 76 (1992).

ACKNOWLEDGEMENTS

We gratefully acknowledge the help and guidance received from Mr E.G.H. Oliver in the preparation of this article.

REFERENCES

- BAKER, J.G. 1870. *Asparagus virgatus*. In W.W. Saunders, *Refugium botanicum* 3: t. 214. Van Voorst, London.
- BAKER, J.G. 1874a. New garden plants: *Asparagus (Asparagopsis) cooperi* Baker. *Gardeners' Chronicle* 1: 818.
- BAKER, J.G. 1874b. *Gardeners' Chronicle* new series 2: 6.
- BAKER, J.G. 1875. Revision of the genera and species of Asparagaceae. *Journal of the Linnean Society of London, Botany* 14: 594–631.
- BAKER, J.G. 1893. Decades kewenses—Decas VI. *Kew Bulletin* 1893: 209–212.
- BAKER, J.G. 1896. *Asparagus*. In W.T. Thiselton-Dyer, *Flora capensis* 6: 256–274. Reeve, London.
- BAKER, J.G. 1898. *Asparagus*. In W.T. Thiselton-Dyer, *Flora of tropical Africa* 7: 425–436. Reeve, London.
- BERGIUS, P.J. 1767. *Descriptiones plantarum ex Capite Bonae Spei*. Salvius, Stockholm.
- BROWN, N.E. 1921. New plants from tropical and South Africa collected by Archdeacon F.A. Rogers. *Kew Bulletin* 1921: 289–301.
- BURCHELL, W.J. 1822. *Travels in the interior of southern Africa* 1. Longman, London.
- BURCHELL, W.J. 1824. *Travels in the interior of southern Africa* 2. Longman, London.
- BURMAN, N.L. 1768. *Prodromus florae capensis in Flora indica*. Haak, Leiden.
- DAHLGREN, R.M.T. & CLIFFORD, H.T. 1982. *The Monocotyledons: a comparative study*. Academic Press, London.
- DYER, R.A. 1954. Liliaceae. *Bothalia* 6: 440–445.
- ENGLER, A. 1889. Plantae Marlothianae. Liliaceae. *Botanische Jahrbücher* 10: 2, 3.
- ENGLER, H.G.A. 1903. Liliaceae africanae II. *Botanische Jahrbücher* 32: 89–97.
- HUBER, H. 1969. Die Samenmerkmale und Verwandtschaftsverhältnisse der Liliifloren. *Mitteilungen der Botanischen Staatssammlung, München* 8: 219–538.
- JESSOP, J. 1966. The genus *Asparagus* in southern Africa. *Bothalia* 9: 31–96.
- JISSIEU, A.L. DE 1789. *Genera plantarum*. Paris.
- KIES, P. 1951a. Notes on *Asparagus africanus* and related species. *Bothalia* 6: 177–181.
- KIES, P. 1951b. Newly described species. *Bothalia* 6: 213–238.
- KRAUSE, K. 1914. Liliaceae africanae V. *Botanische Jahrbücher* 51: 440–450.
- KUNTH, C.S. 1850. *Enumeratio plantarum* 5. Cotta, Stuttgart & Tübingen.
- LAMARCK, J.B.A.P.M. DE 1783. *Encyclopédie méthodique* 1. Mme veuve Agasse, Paris.
- LINNAEUS, C. 1753. *Species plantarum*. edn 1. Salvii, Stockholm.
- LINNAEUS, C. 1767. *Mantissa plantarum*. Salvii, Stockholm.
- LINNAEUS, C. VON (fil.) 1781. *Supplementum plantarum*. Impensis Orphanotrophei, Brunswick.
- MACBRIDE, J.F. 1918. Further new or otherwise interesting Liliaceae. *Contributions from the Gray Herbarium of Harvard University* 56: 17.
- MALCOMBER, S.T. & SEBSEBE, D. 1993. The status of *Protasparagus* and *Myrsiphyllum* in the Asparagaceae. *Kew Bulletin* 48: 63–78.
- MATHEW, B. 1989. Notes on tropical African Asparagaceae. *Kew Bulletin* 44: 181, 182.
- MONTAGNE, J.P.C. 1840. *Asparagopsis*. In P.B. Webb & S. Berthelot, *Histoire Naturelle des Iles Canaries* 3,2: 15. Béthune, Paris.
- OBERMEYER, A.A. 1983. *Protasparagus* Oberm. nom. nov.: new combinations. *South African Journal of Botany* 2: 243, 244.
- OBERMEYER, A.A. 1984. Revision of the genus *Myrsiphyllum* Willd. *Bothalia* 15: 77–88.
- OBERMEYER, A.A. 1992. *Myrsiphyllum*. In O.A. Leistner, *Flora of southern Africa* 5,3: 71–82.
- OBERMEYER, A.A. & IMMELMAN, K.L. 1992. *Protasparagus*. In O.A. Leistner, *Flora of southern Africa* 5,3: 11–70.
- ROEMER, J.J. & SCHULTES, J.A. 1829. *Caroli a Linné equitis Systema vegetabilium* 7,1. Cotta, Stuttgart.
- SALTER, T.M. 1940. Plantae novae Africanae XV. *Journal of South African Botany* 6: 165–175.
- SCHINZ, H. 1896. Die Pflanzenwelt Deutsch-Südwestafrikas. *Bulletin de l'Herbier Boissier* Sér. 1,4, App. 3: 1–57.
- SUESSENGUTH, K. & KARL, J. 1950. Diagnoses novae plantarum in Africa australi a Dr S. Rehm et alis collectarum. *Mitteilungen der Botanischen Staatssammlung, München* 1: 50.
- THUNBERG, C.P. 1794. *Prodromus plantarum capensium* 1. Edman, Uppsala.
- THUNBERG, C.P. 1823. *Flora capensis*, ed. Schultes. Edman, Uppsala.
- WIGHT, W.F. 1909. *Century Dictionary* 2: 845.
- WILLDENOW, C.L. 1799. *Caroli a Linné Species plantarum editio quarta* 2. Berlin.
- WILLDENOW, C.L. 1808. Nähere Bestimmung einiger Liliengewächse, besonders aber derjenigen, die zur sechsten Klasse und dritten Ordnung des Linnéschen Systems gehören. *Gesellschaft naturforschender Freunde zu Berlin Magazin* 2: 25, 26.