Proposal to Conserve the Name Spartium capense (Leguminosae) with a Conserved Type

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Published by: International Association for Plant Taxonomy (IAPT)
Stable URL: http://www.jstor.org/stable/1223663
Accessed: 21/01/2009 07:13

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(1439) Proposal to conserve the name Spartium capense (Leguminosae) with a conserved type

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Type: [South Africa, Western Cape Province, Cape Peninsula], “Cape of Good Hope Nature Reserve, c. 0.9 km from entrance gate on gravel slope along roadside near resting place”, 100 m, 10 Dec 1995, Campbell & Van Wyk 151 (NBG; isotypes K, MO, PRE), typ. cons. prop.

The current and traditional usage of the name Rafnia capensis (L.) Schinz (in Bull. Herb. Boissier 2: 199. 1894), based on Spartium capense, is for a plant occurring in the Cape region of South Africa, with linear to lanceolate leaves and a truncate to emarginate keel. Another species, R. angulata Thunb. (Gen. Nov. Pl.: 147. 1800), has a distribution that largely coincides with that of R. capensis but has ericoid or linear to broadly obovate leaves and a distinctly beaked (rostrate), never truncate or emarginate keel. All the relevant original material of S. capense belongs to R. angulata as currently understood. The current usage of R. capensis can be traced to Schinz (l.c.) when he made his new combination and classified the corresponding species in R. sect. Pelecynthis, one of two sections characterised by a truncate keel. If S. capense were lectotypified (no formal designation of lectotype could be traced), the species currently known as R. capensis would have to take the earliest available legitimate name, R. retroflexa Thunb. (I.c.: 148), whereas the species currently known as R. angulata would have to be called R. capensis – although Art. 57 of the Code could prevent this second change for the time being, because the combination based on the Linnaean name has been widely and persistently applied to a taxon not including its type. We therefore propose that S. capense be conserved with a new type in order to protect the current usage of both R. capensis and R. angulata.

Linnaeus, in the protologue of Spartium capense (as ‘Spatium capense’), provided a new diagnostic phrase name and a short description. He also cited a synonym from Burman (Cat. Pl. Afr.: 11. 1737), which was published without an illustration. A search of the Linnaean herbaria traced the specimens Herb. Linn. No. 895.23 (LINN), annotated with “capense” by Linnaeus (later deleted and with “opposita” added by Linnaeus filius), and No. 297.19 (S), annotated with “Spartium capense” by Linnaeus. There are also two relevant specimens studied by Linnaeus in Herb. Burman (G). All four specimens belong to Rafnia angulata as currently understood. (The “opposita” on the sheet at LINN refers to Liparia opposita L., Mant. Pl. Alt.: 269. 1771, an illegitimate renaming of S. capense.) A further sheet at LINN, Herb. Linn. No. 895.22, annotated with “Spartium capense” by Linnaeus (later deleted and with “opposita” added by his son), comprises two specimens, the right-hand

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one *R. angulata* and the left-hand one *R. capensis*. Unfortunately the latter is ineligible for designation as the lectotype of *S. capense* because both specimens are numbered collections from Tulbagh which can be correlated with a list received by Linnaeus (now at LINN) around 1769, long after the publication of the name in 1760, and hence could not have played any part in Linnaeus's original concept of the taxon.


In view of the taxonomic confusion that would result if this proposal were to fail (when Art. 57 would no longer protect *Rafnia angulata* from being displaced by *R. capensis* upon the lectotypification of *Spartium capense*), it seems most desirable to conserve the name *S. capense*, as proposed here, with a conserved type chosen from material undoubtedly agreeing with the current usage of the name.

Acknowledgements

This work has been supported by the Foundation for Research Development and the Rand Afrikaans University. The kind assistance of Dr Charlie Jarvis of the Linnaean Plant Name Typification Project at the Natural History Museum, London (BM), is gratefully acknowledged. We would also like to thank Dr Brigitte Zimmer and Dr Werner Greuter for reviewing the manuscript.