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RESEARCH ARTICLE

NEW COMBINATIONS IN SUB SPECIES OF VACHELLIA NILOTICA (L.) P.J.H.HURTER & MABB. FROM GUJARAT, INDIA.

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Abstract

The present paper provides combination for subspecies of *Vachellia* in Gujarat. *Vachellia nilotica* (L.) P.J.H.Hurter&Mabb. Mabberley's subsp. *adstringens* (Schum. & Thonn.) RupeshMaurya, *comb. nov.*, *Vachellia nilotica* (L.) P.J.H.Hurter&Mabb. subsp. *cupressiformis* (J. L. Stewart) RupeshMaurya, *comb. nov.*, *Vachellia nilotica* (L.) P.J.H.Hurter&Mabb. subsp. *indica* (Benth.) RupeshMaurya, *comb. nov.* and *Vachellia nilotica* (L.) P.J.H.Hurter&Mabb. subsp. *subalata* (Vatke) RupeshMaurya, *comb. nov.* are proposed new combination.

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Introduction:-

Vachellia nilotica (L.) P.J.H.Hurter&Mabb. combination is made in 2008. Linnaeus described it as *Mimosa nilotica* L (1753), its subsequent history has been confused nomenclaturally and taxonomically. It has often been incorrectly called as *Acacia arabica* or *Acacia scorpioides*. It was recognized as variable and several varieties were described under one name or another up to 1920. (Espanol, 2015)

Orchard & Maslin (2003) proposed (Proposal 1584) to conserve the name *Acacia* Mill. with a new type (*Acacia penninervis* Sieber ex DC.) in order to preserve the use of this genus name for approximately 1000 taxa in Australia that otherwise would have to go by the name *Racosperma* Mart. under a pending new taxonomy (Miller and Bayer, 2001; Pedley, 2003) on the final day of the Nomenclature Section of the Seventeenth International Botanical Congress, this matter was debated and voted on, with the Section voting 54.9% against proposal 1584. Surprisingly, the proposal was treated as having been approved by the Section's administrators, who ruled that it only needed to receive a 40% positive vote to be affirmed (McNeill & al., 2005).

While decisions taken at Nomenclature Sections generally tend to resolve nomenclatural disputes, the actions taken in Vienna with regard to *Acacia*—i.e., treating the proposal to conserve the name *Acacia* with a conserved type as approved even though the majority of the votes cast were opposed to the proposal—has only resulted in increased controversy. Today, the *Acacia* listing in the Code continues to be met with considerable resistance from the global plant taxonomic community and beyond. We believe the “minority rule” approach used in Vienna was contrary to the procedural rules established in Vienna. As a result, an objection to the acceptance of the Vienna Code as currently printed with the *Acacia* listing will be raised at the Nomenclature Section meeting during the Eighteenth International Botanical Congress in Melbourne in 2011. A procedure is outlined for handling this objection that we hope will allow the botanical community to finally resolve this matter. (Moore et al, 2010). Molecular and other

evidence has shown that the former broadly circumscribed genus *Acacia* Mill. (Leguminosae; Mimosoidae) is polyphyletic;

This not revision of this taxa. We have relied on previous studies. Now day's plants list is followed by frequently and many authors rely on plant list for correct combination Plant list 2013. *Acacia nilotica* (L.) Delile and *Vachellia nilotica* (L.) P.J.H.Hurter and Mabb. both are treated as legitimate name. Only *Vachellia nilotica* (L.) P.J.H.Hurter and Mabb must be treated as legitimate name.

Following new combination are proposed

1. ***Vachellia nilotica*** (L.) P.J.H.Hurter & Mabb. subsp. ***adstringens*** (Schum. & Thonn.) Rupesh Maurya, *comb. nov.*
Acacia nilotica (L.) Delile subsp. *Adstringens* (Schum. & Thonn.) Roberty in Candollea 11:150. 1948.
2. ***Vachellia nilotica*** (L.) P.J.H.Hurter & Mabb. subsp. ***cupressiformis*** (J. L. Stewart) Rupesh Maurya, *comb. nov.*
Acacia nilotica (L.) Delile subsp. *Cupressiformis* (J. L. Stewart) Ali & Faruqi in Pakistan J. Bot. 1: 4. 1969.
3. ***Vachellia nilotica*** (L.) P.J.H.Hurter & Mabb. subsp. ***indica*** (Benth.) Rupesh Maurya, *comb. nov.*
Acacia nilotica (L.) Delile subsp. *indica* (Benth.) Brenan in Kew Bull. 12(1): 85. 1957; Shah 283. 1978.
4. ***Vachellia nilotica*** (L.) P.J.H.Hurter & Mabb. subsp. ***subalata*** (Vatke) Rupesh Maurya, *comb. nov.*
Acacia nilotica (L.) Delile subsp. *Subalata* (Vatke) Brenan in Kew Bull. 12(1): 85. 1957

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