

A NEW VARIETY OF *ELATOSTEMA LINEOLATUM* WT. FROM AGASTYAMALAI HILLS, MADRAS STATE

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Elatostema lineolatum Wt. var. *setosum* Henry, var. nov.

Differt a var *lineolata* pilis longis patentibus setosis in culmis et in utraque pagina foliorum.

Herba vel suffrutex dioica, 30-110 cm alta; culmi setosi. Folia 2.5-14 × 1.5-4.5 cm, alterna, subsessilia, lineari-lanceolata, oblongo-lanceolata vel oblique lanceolata, aspere crenata, dentata vel serrata in dimidio superiore, utrinque pilis parvis ornata simul et pilis patentibus longis, setosis, acuminata vel cuspidata ad apicem, cuneata ad basin; stipulae 8-11 × 2-3 mm, lanceolatae, setosae. Flores minuti, regulares, saepe aggregati in receptacula axillaria, fere sessilia, capitata, involucreta; bracteae involucretae rotundae, oblongae vel ovatae, minute pilosae; exteriores quidem calcare vel cornu dorsali ornatae, basibus plus minusve confluentibus in discum carnosum circulare vel lobatum. Flores masculini: Perianthii lobi 4, rotundati, obtusi; stamina 4, lobis opposita; filamenta distincta, in alabastro inflexa, ad anthesim elastice resiliencia; antherae bicellulares, longitudinaliter dehiscentes; bracteolae plures, floribus intermixtae, oblongae, sparse pilosae ad costam et apicem. Flores foemini: Perianthii lobi 3, minutissimi, ovario breviores, ovato-lanceolati, acuti; ovarium superius, erectum, unicellulare; ovulo unico erecto basali; stylus nullus; stigma penicillatum; bracteolae plures, floribus intermixtae, oblongae, ciliatae.

Achenes 1 mm longi ellipsoidei, acuti, 4-6-costati, perianthii lobis minutis subteni.

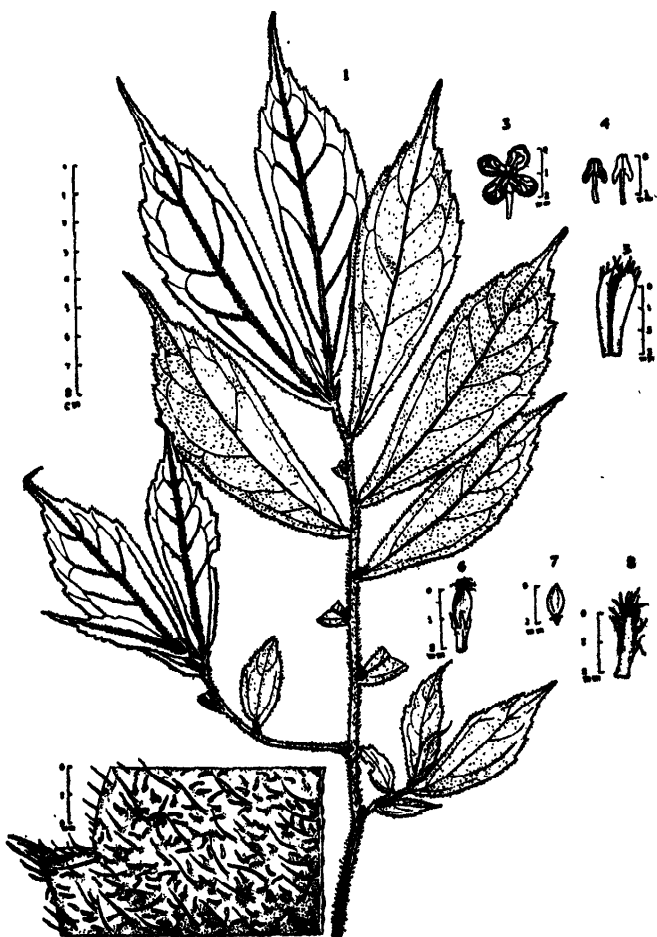
Holotypus, Henry 16983A, et isotypi, Henry 16983 B-N, lecti die 22 augusti anni 1963, et paratypi, Henry 16322A-F, lecti die 26 maii anni 1963 in collibus Agastyamalai dictis in Tirunelveli distr., in ditione Madras positi in herbario regionis australis Bot. Surv. India ad Coimbatore.

Elatostema lineolatum Wt. var. *setosum* Henry, var. nov.

It differs from the typical variety by the presence of long patent setose hairs on the stems and leaves (both surfaces).

Herbs or undershrubs, dioecious, 30-110 cm tall; stems setose. Leaves 2.5-14 × 1.5-4.5 cm alternate, subsessile, linear-lanceolate, oblong-lanceolate or obliquely lanceolate, coarsely crenate, toothed or serrate in the upper half, both surfaces with small appressed hairs together with long patent setose hairs, apex acuminate or cuspidate, base long cuneate; stipules 8-11 × 2-3 mm, lanceolate, setose.

Flowers minute, regular, often in clusters, in axillary, almost sessile, capitate, involucreta receptacles; bracts of the involucre rounded, oblong or ovate, minutely hairy; the outer bracts with a dorsal spur or horn, bases more or less confluent into a fleshy, circular or lobed disk. Male flowers: Perianth lobes 4, rounded, obtuse; stamens 4, opposite to the perianth lobes; filaments distinct,



Figs. 1-8 : *Elatostema lineolatum* Wt. var. *setosum* Henry, var. nov.

1. Branch with flowers. 2. Portion of lamina enlarged—upper surface. 3. Male flower. 4. Two views of stamen.
5. Bracteole of male flower. 6. Female flower.
7. Achene. 8. Bracteole of female flower.

inflexed in bud and springing back elastically at anthesis; anthers 2-celled, dehiscing longitudinally; bracteoles many, mixed with the flowers, oblong, sparsely hairy on the costa and tips. Female

flowers: Perianth lobes 3, minute, shorter than the ovary, ovate-lanceolate, acute; ovary superior, erect, 1-celled; ovule solitary, erect, basal; style 0; stigma penicillate; bracteoles many, mixed with the flowers, oblong, ciliate. Achenes $\pm$ 1 mm long, ellipsoid, acute, 4-6-ribbed, subtended by the minute perianth lobes. (Figs. 1-8)

The Holotype of this variety (*Henry 16983A*) and isotypes (*Henry 16983B-N*) collected on 22-8-1963, and paratypes (*Henry 16322A-F*) collected on 26-5-1963, all from Agastyamalai Hills in Tirunelveli District, Madras State by A. N. Henry are depo-

sited in the Southern Circle Herbarium, Botanical Survey of India, Coimbatore, South India.

ACKNOWLEDGEMENTS

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