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**VOLUME 23**

**LORANTHACEAE - DAPHNIPHYLLACEAE**

Editors

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## ABBREVIATIONS OF LANGUAGES

<b>Abhor</b>	:	Abhor	<b>Kum.</b>	:	Kumaonese
<b>And.</b>	:	Andaman	<b>Lep.</b>	:	Lepcha
<b>Asm</b>	:	Assamese	<b>Lus.</b>	:	Lushai
<b>Beng.</b>	:	Bengali	<b>Mal.</b>	:	Malayalam
<b>Bhoj.</b>	:	Bhojpuri	<b>Mani.</b>	:	Manipuri
<b>Bhut.</b>	:	Bhutia	<b>Mar.</b>	:	Marathi
<b>Cach.</b>	:	Cachar	<b>Mikir</b>	:	Mikir
<b>Coorgi</b>	:	Coorgi	<b>Miri</b>	:	Miri
<b>Eng.</b>	:	English	<b>Naga</b>	:	Naga
<b>Garo</b>	:	Garo	<b>Nep.</b>	:	Nepali
<b>Garh.</b>	:	Garhwali	<b>Nic.</b>	:	Nicobarese
<b>Goa.</b>	:	Goanese	<b>Or.</b>	:	Oriya
<b>Guj.</b>	:	Gujarati	<b>Port.</b>	:	Portuguese
<b>Hindi</b>	:	Hindi	<b>Punj.</b>	:	Punjabi
<b>Jain.</b>	:	Jaintea	<b>Raj.</b>	:	Rajasthani
<b>Juan.</b>	:	Juansar	<b>Sans.</b>	:	Sanskrit
<b>Kan.</b>	:	Kannada	<b>Sant.</b>	:	Santal
<b>Kang.</b>	:	Kangri	<b>Sind.</b>	:	Sindhi
<b>Kash.</b>	:	Kashmiri	<b>Tam.</b>	:	Tamil
<b>Kh.</b>	:	Khasi	<b>Tel.</b>	:	Telugu
<b>Kon.</b>	:	Konkani	<b>Tipp.</b>	:	Tippera (Tripura)
<b>Kuch.</b>	:	Kuchinese	<b>Urdu</b>	:	Urdu



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# LORANTHACEAE

(K. Rajasekaran)

Shrubs, hemiparasitic on trees or rarely parasitic on roots, sometimes dioecious; indumentum of candelabra, abietiform, stellate, conchiform or anvil hairs, malpighian hairs, usually represented by one type or occasionally more than one type. Leaves opposite or whorled, rarely alternate or both, simple, entire, exstipulate, curvipinnately, rectipinnately or rarely palmatipinnately nerved, petiolate or sessile. Inflorescences axillary or terminal, rarely ramiflorous, cymose, umbellate, glomerate, as simple or compound dichasium, or often spikes, centripetal or centrifugal pseudoracemes; flowers solitary, paired or 3 together in axils of bracts, bisexual or unisexual, actinomorphic or zygomorphic, 4 - 6-merous. Calyx (calyculus) absent or forming a reduced epigynous rim, rarely 4 - 6-toothed. Corolla choripetalous or sympetalous, valvate, 3 - 6-merous; petals 3 - 6 (rarely absent), free or connate into a tube; lobes acute or obtuse, often coiled and interlocked at anthesis. Stamens 3 - 6, opposite and inserted on petals or at their base; filaments flat, terete or subterete; anthers basifixed or occasionally dorsifixed, multilocellate or quadrilocellate, sometimes unilocellate or transversely locellate, dehiscing longitudinally or by terminal pores or transverse slits; connective prolonged into a sterile apex. Disc present or absent. Ovary inferior, unilocular, glabrous or hairy, occasionally rugose or muricate; style 1, simple (or absent); stigma capitate, conical, lobed or papillate; ovule solitary on basal placenta. Fruit a pseudocarp, berry, drupe or samaroid, glabrous or hairy, rugose, tubercled or pitted; seed 1, often sticky, without testa; endosperm copious, succulent or sometimes absent, with or without horns, mamillate or non-mamillate; embryo linear, small, straight, 0.3 - 1.2 times the length of the endosperm; cotyledons sometimes 3 - 6 or absent.

Pantropical, mostly in Southern Hemisphere, extending to temperate zones, ca 68 genera and ca 900 species; 8 genera and 49 species in India.

*Note.* The anatomical and palynological characters given for the species are from the author's papers published in J. Swamy Bot. Club, Vol. 24: pages 43 - 56. 2007, unless otherwise stated.

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## KEY TO THE GENERA

- 1 a. Corolla choripetalous; petals free completely or almost to the base, but sometimes pseudo-sympetalous or sometimes coherent **4. Helixanthera**
- b. Corolla sympetalous; petals fused up to the middle or higher, sometimes with corolla-tube deeply split on one side **2**
- 2 a. Bracts conspicuous, ca 15 mm long, arranged in involucre of 3 - 4, enclosing 3 - 4 flowers **8. Tolypanthus**