

**GLOBBA RUBROMACULATA — A NEW SPECIES OF ZINGIBERACEAE
FROM ARUNACHAL PRADESH**

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During the course of exploration in Ganga Lake area, about 6 km from Itanagar, a few plants of a saffron-yellow flowered *Globba* with two conspicuous brick-red blotches on the lip of the flowers attracted the attention of the senior author. These resemble *Globba multiflora* Wall. ex Baker in its wingless anthers and hairy rachis. However, the flowers of *G. multiflora* are spotless pale yellow and much smaller with its corolla lobes 3.0-3.5 mm long, lateral staminodes about 2.5 mm long and lip about 5 mm long. On further study, these plants from the little explored eastern Himalayan region turned out to be a new species, and the same are being described below.

***Globba rubromaculata* J. Lal et D.M. Verma, sp. nov.**

G. multiflorae Wall. ex Baker affinis sed differt corollae lobis perlongioribus, staminodiis lateralibus, labello croceo maculis rubris.

Herbae perennes, 1.2-2.0 m altae. Folia sessilia vel subsessilia, oblongo lanceolata, acuminata, longicaudata, 20-30 cm longa, 5-7 cm lata, supra interdum secus nervos pilosa, infra pilosa praesertim secus costam, ligula brevis, admodum pilosa. Inflorescen-

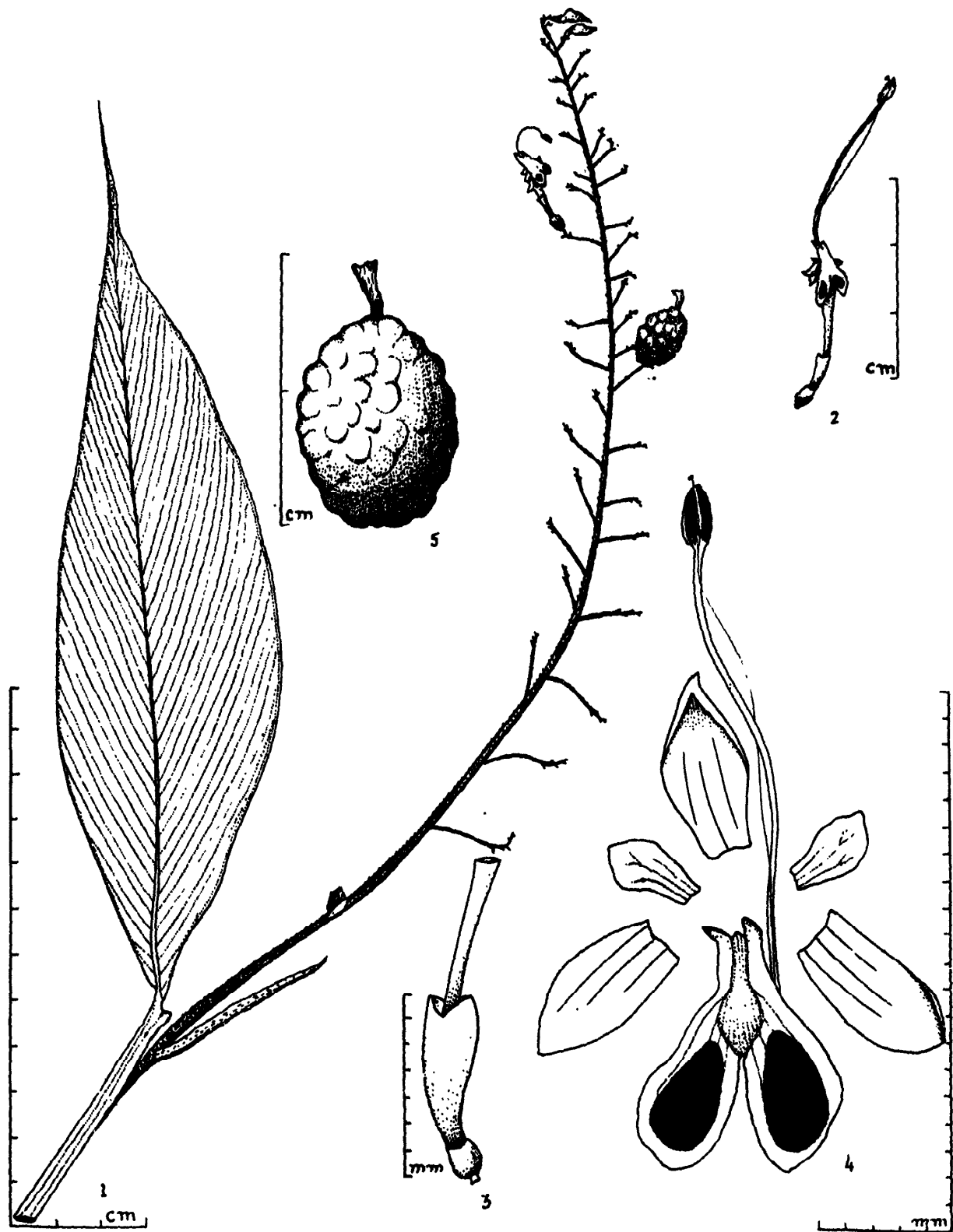
tia angusta, 25-30 cm longa, rachidibus pedunculisque pilosis, bractee mox deciduae, bractea infima bulbilum unum ferens; cincinni 4-7 flori. Flores crocei in pedicello 0.5 mm longo. Calyx tubularis, 3 dentatus, 5-6 mm longus. Corollae tubus gracilis, 15-18 mm longus, lobi elliptico-oblongi, 6-7 mm longi, lobus posticus parum longior, concavus et apiculatus. Staminodia lateralialia spathulata, ca 4 mm longa, labellum insertum super staminodia, deflexum, obcuneatum, 8-10 mm longum, profunde bilobum, croceum cum maculis rubris, filamentum curvatum, 15-22 mm longum, anthera 2.5-3 mm longa, non alata. Fructi subglobosi, verrucosi, ca 15 mm longi, exocarpium membranaceum

Holotypus : J. Lal 2201A, Ganga Lake, 450 m, Itanagar, Arunachal Pradesh, India, 2.10.1986 (CAL). *Isotypus* : J. Lal 2201B (ARUN).

***Globba rubromaculata* J. Lal & D.M. Verma, sp. nov.**

Allied to *Globba multiflora* Wall. ex Baker but differs in its much longer corolla lobes, lateral staminodes, and in its saffron coloured lip with red blotches.

Perennial herbs, 1.2-2.0 m tall. Leaves sessile or subsessile, oblong-lanceolate,



Globba rubromaculata J. Lal & D.M. Verma, sp. nov.

Figs 1-5 1 Leaf and inflorescence 2 Flower 3 Ovary, calyx and part of corolla tube 4 Corolla lobes, lateral staminodes, lip and stamen 5 Fruit

acuminate, long caudate, 20-30 cm long, 5-7 cm broad, upper surface sometimes hairy along the nerves, lower surface pubescent especially along the midrib; ligule short, exceedingly hairy. Inflorescence narrow, 25-30 cm long, rachis and peduncles hairy; bracts deciduous, lowest bearing a bulbil; cincinni 4-7 flowered. Flowers saffron yellow, pedicels about 0.5 mm long. Calyx, tubular, 3-toothed, 5-6 mm long. Corolla tube slender, 15-18 mm long, lobes elliptic-oblong, 6-7 mm long, posterior slightly longer, concave and apiculate. Lateral staminodes spatulate, ca 4 mm long; lip inserted above the staminodes, deflexed, obcuneate, 8-10 mm

long, deeply bilobed, saffron yellow with two red blotches; filament curved, 15-22 mm long; anther 2.5-3.0 mm long, not winged. Fruits subglobose, verrucose, ca 15 mm long, exocarp membranaceous.

Holotype: J. Lal 2201A, Ganga Lake, 450 m, Itanagar, Arunachal Pradesh, India, 2.10.1986 (CAL). *Isotype* J. Lal 2201B (ARUN).

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