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A NEW SPECIES OF *EULOPHIA* R. BR. (ORCHIDACEAE) FROM GORI VALLEY

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A few interesting specimens of *Eulophia* R. Br. growing among grasses in fallow lands were collected recently, near Garjia in the Gori Valley of Pithoragarh District of Kumaon region. On the basis of our critical study and scrutiny of literature and confirmed by Dr. Seidenfaden, a new species of *Eulophia* R. Br. is described here. This taxon comes very near to *E. graminea* Lindl. in possessing epigeal pseudobulbs, floral bracts none or shorter than the petals and ovary, but differs in having no leaves at the time of flowering, lateral lobes of lip triangular, acute and pollinia 2. In *E. graminea* the leaves are persistent, lateral lobes of lip obtuse and pollinia subquadrate.

A key is provided below to distinguish these species :

Leaves persistent, lateral lobes of the lip obtuse, pollinia subquadrate ..	*E. graminea*
Leaves absent at the time of flowering, lateral lobes of the lip triangular, acute, pollinia 2 ..	*E. ucbii*

Eulophia ucbii Malhotra et Balodi *sp. nov.*

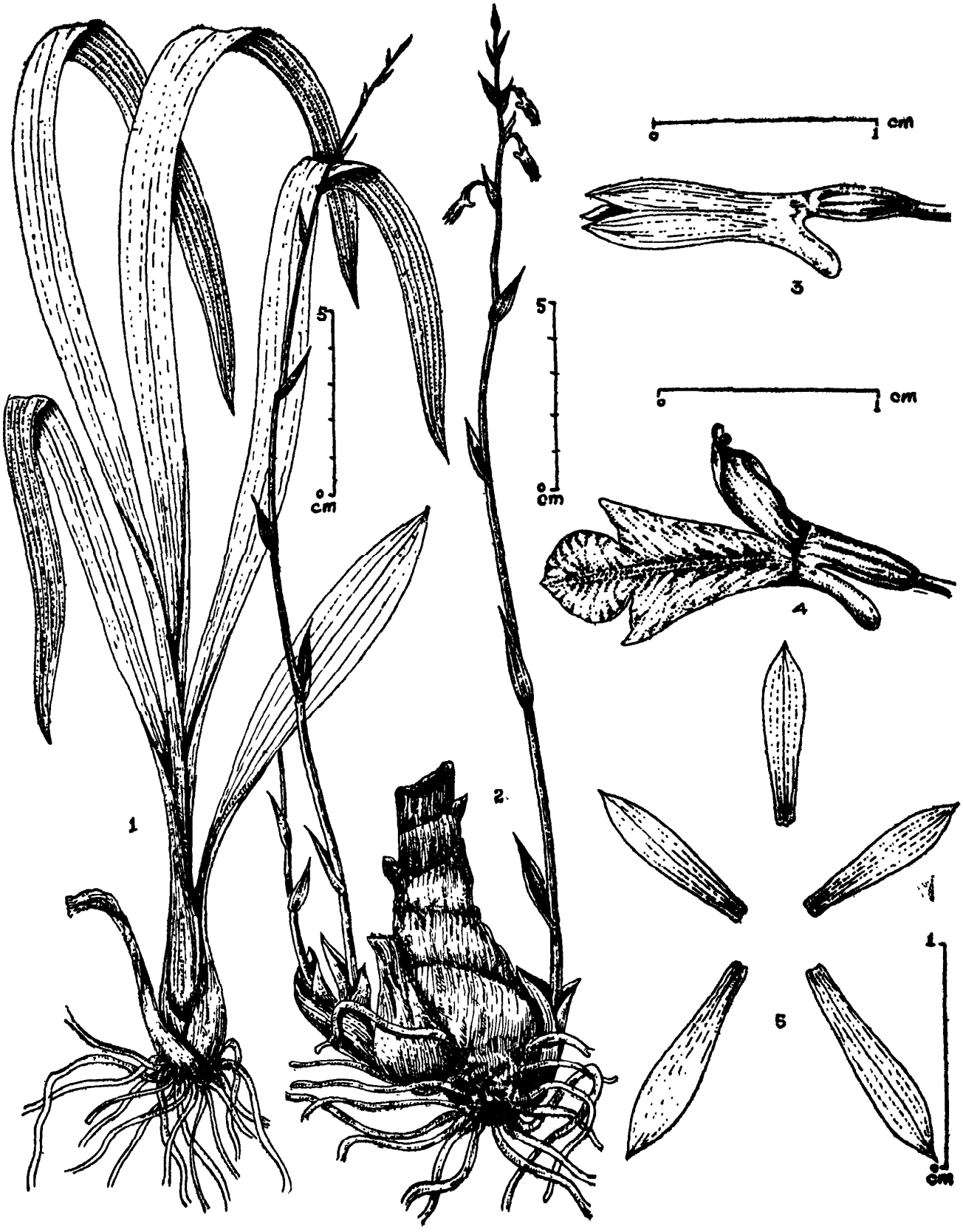
E. graminea Lindl. affinis, sed differt aphyllis per anthesin, labelli lobis lateralibus triangulariacutis, polliniisque 2.

Herba perennis, terrestris ; pseudobulbus 8.5 cm longus, 5.0 cm latus, verticalis, conicus, apice angustatus, cum foliorum cicatricibus horizontalibus, vaginae membranaceae, folia 5, folium apicale 30.0 cm longum, 2.0 cm latum, lineari-lanceolatum, acutum, latius ad basin, aphyllus per anthesin, flores pauci in racemis terminalibus laxis, scapi 40.0 cm longi, graciles, costati, vaginae 2.0 cm longae, membranaceae, ovatae, lanceolatae, acutae, sepala dorsalia 1.0 cm longa, oblongo-lanceolata, acuta, 5-nervia, sepala lateralia 1.0 cm longa, 2 mm lata, oblongo-lanceolata, acuta, 5-nervia, petala 8 mm longa, oblongo-lanceolata, acuta, 5-nervia, labellum 1.1 cm longum, sepalis longiore, trilobatum, lobi laterales 4 mm longi, triangulares, recti, acuti, lobus apicalis 3 mm longus, 2 mm latus, sphaericus cum apice acuto, pilosus, intus purpureo-brunneus, calcar 3 mm longum, cylindricum, rectum vel parum curvatum, obtusum, pes et columna 3 mm longa, pollinia 2, ovarium 5 mm longum, cum pedicello 6 mm longo.

Eulophia ucbii Malhotra et Balodi *sp. nov.*

Perennial, pseudobulbous, terrestrial herbs, pseudobulbs 8.5 cm long and 5.0 cm broad, vertical, conical, tapering at the tip, horizontal lines of leaf scars present, sheaths membranous, leaves 5 in number, apical one 30.0 cm long and 2.0 cm broad, linear-lanceolate, acute, base broad, flowers few in terminal lax racemes, leafless at the time of flowering, scapes 40.0 cm long, slender, ribbed, sheaths 2.0 cm long, membranous, ovate, lanceolate, acute, dorsal sepals 1.0 cm long, oblong-lanceolate, acute, 5 nerved, lateral sepals 1.0 cm long and 0.2 mm broad, oblong-lanceolate, acute, 5-nerved, petals 8 mm long, oblong-lanceolate, acute, 5-nerved, lip 1.1 cm long, longer than the sepals, trilobed, lateral lobes 4 mm long, triangular, straight, acute,

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Eulophia ucbii Malhotra et Balodi *sp. nov.*

Figs. 1-5 : 1. Habit-leafing. 2. Flowering. 3. Flower. 4. Lip with spur and pollinia. 5. Sepals and Petals.

apical lobes 3 mm long and 2 mm broad, spherical with acute tip, hairy, purple-brown inside, spur 3 mm long, cylindrical, straight or slightly curved, blunt, foot and column 3 mm long, pollinia 2, ovary 5 mm long, stalk 6 mm long.

Rare, in fallow lands, among grasses.

Leafing : July-September.

Flowering : March-April.

This taxon is named after Dr. U. C. Bhattacharyya, Deputy Director, Central National Herbarium, Botanical Survey of India, Howrah.

Holotype : INDIA : Pithoragarh, Gori Valley, Garjia, April, 1984, *Bipin Balodi* 75561 A (CAL) ; (*Bipin Balodi* 75561 B isotype BSD).

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