The newly collected specimens were processed and mounted on standard herbarium sheets followed Jain and Rao (1977) and have been deposited in the Herbarium of Department of Botany, St. Joseph’s College, North Point, Darjeeling and Herbarium of Taxonomy and Ethnobiology Research Laboratory, Cluny Women’s College, Kalimpong for future reference. In the present investigation, a detailed taxonomic account of the recollected species has been prepared based on the fresh specimens along with photographs, phenology, habitat ecology, altitudinal range, present status, distributional record is provided here to authenticate the taxa to facilitate its easy identification.

**Enumeration**


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**Distribution Record and the Recollection of Coelogyne pemphaisheyana H.J. Chowdhery, (Orchidaceae) from the Natural Habitat of the Darjeeling Region of Eastern Himalaya.**

Rajendra Yonzone*1 Doraj Lama*, R. B. Blujiel1, Khyanjeet Gogoi2 and Samuel Rai3

1Department of Botany, St. Joseph’s College, North Point, Darjeeling, W.B., India 734104

2Taxonomy and Ethnobiology Research Laboratory, Cluny Women’s College, P.O. Kalimpong, District Darjeeling, W.B., India 734301

3The Orchid Society of Eastern Himalaya (TOSEHIM), Regional Orchids Conservation and Research Centre (Assam including N.E. India Circle), Daisa Bordoloi Nagar, Talap, Tinsukia, Assam, India 786156

4Directorate of Cinchona and other Medicinal Plants, Mungpoo, District Darjeeling, W.B., India 734301

*Corresponding author’s e-mail: ryonzone99@gmail.com

**Abstract**

This paper deals with the distribution record and recollection of Coelogyne pemphaisheyana H.J. Chowdhery (Orchidaceae) from natural habitat of Darjeeling region of Eastern Himalaya. An illustrated description, colour photographs, habitat ecology, phenology, altitudinal range, specimen examined and present status has also been given.

**Kew words:** Orchidaceae, Coelogyne pemphaisheyana, Distribution, Recollection, Darjeeling Himalaya.

**Introduction**

The Darjeeling Himalayan region, which falls within Eastern Himalaya, is a rich repository of orchid species. The agro-climatic condition of Darjeeling is very much favorable to thriving by all types of orchid species in the natural habitat. It is bordered by Sikkim in the North, Terai and Dooars in the South, Bhutan in the East and Nepal in the West. The Sub–Divisions of Darjeeling are Darjeeling, Kalimpong, Kuruseong and Siliguri. The Darjeeling district has two topographical features. Darjeeling, Kalimpong and Kuruseong form the hill areas, whereas Siliguri is stationed at the foot hills which give way to vast stretches of plains. Altitudinally, different areas of the district range widely from 130 m at Siliguri to 3636 m at the Sandakphu – Phalut region with a sharp physiographic contrast between the plains and the mountainous regions.

The genus Coelogyne was established in 1821 by John Lindley in his *Collectanea Botanica*. It comprises over 100 species distributed in India, China, South East Asia, the Malay Archipelago and the Pacific Islands. There are 190 species, 2 sub-
Plant epiphytic, 26-30 cm tall. Pseudobulbs 7.0-9.0 x 2.5-3.4 cm, closely arranged on the rhizome, conical to ovoid-oblong, with few shallow ridges, glossy, green, sheathed at base. Leaves 2, 11.5-20.8 x 1.2-4.8 cm, rarely 3 from the apex of the pseudobulbs, oblong-elliptic, acute; petioles grooved, 1.0-4.0 x 0.1-0.3 cm. Inflorescence 17-20 cm long, pendent, 8-9-flowered; pedicellate-ovary 1.4-1.5 cm long, slender, straight; floral bracts 2.3-2.5 x 1.4-1.6 cm, chartaceous, caduceus. Flowers 4.0-5.8 cm across, white, fragrant. Sepals white, unequal, lanceolate, acute; dorsal sepal 2.4-2.6 x 0.9-1.0 cm, wider than the laterals; lateral sepals 2.5-2.7 x 0.8 cm. Petals 2.0-2.5 x 0.3-0.4 cm, white, linear, acute. Lip more or less quadrangular in shape, 3-lobed, white, without any colour blotch; lateral lobes with faint yellow, dichotomously branched veins, disc with 3-flexuous, white, undulate keels arising from the base of the lip and extending up to the base of mid-lobe. Column winged in the upper half, bi-lobed at apex.

**Flowering and Fruiting:** March – July.

**Habitat ecology:** Grows as epiphyte on tree trunk and branches in temperate forest.

**Specimen examined:** India, West Bengal, Kalimpong Sub – Division, Todye – Tangta forest, 26. 04. 2010, Rajendra Yonzone et al. 1146, 1600m, (Darjeeling).

**Altitudinal range:** 1000 – 2900m.

**Present Status:** Rare in natural habitat.

**Distributional record:** Darjeeling Himalayan region of Eastern Himalaya (Endemic).

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