

Presentation format: Plenary presentation

A modern view of the genus *Vanda*

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This presentation summarises the findings of the first-ever monograph of the genus *Vanda*. Relying on over a decade of research in all the major herbaria of the world and over six decades of the author's observation of the living species, many problems with the taxonomy of the genus are resolved. Presently, all 87 species known to science are categorised into fourteen sections based on morphological and molecular data. This arrangement will facilitate research on related species and aid in the identification of similar species. Seven recently discovered species are described and illustrated. Two species are reduced to subspecies status and five to synonymy. Two other species are described as being formed of two subspecies. One variety and two species previously assigned to synonymy are elevated to species status. Several species yet to be described are illustrated. This clarification of the taxonomy of the genus provides an indispensable framework for future research.

Keywords: taxonomy, *Vanda*, new species, sections, molecular analysis, morphology