STUDIES ON
THE CHEMICAL CONSTITUENTS OF SOME INDIAN ORCHIDS
WITH SPECIAL REFERENCE TO STILBENOIDS

THESIS SUBMITTED FOR THE DEGREE OF
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The thesis entitled "Studies on the Chemical Constituents of Some Indian Orchids with Special Reference to Stilbenoids" submitted to the University of Calcutta for the degree of Doctor of Philosophy (Science) consists of three parts:


Part II: The structural elucidation of moscatin and moscatilin isolated from the orchid Dendrobium moschatum.

Part III: This part consists of three sections.

Section 1 deals with the isolation and structural elucidation of bulbophyllanthrone, a new 9,10-phenanthraquinone derivative of the orchid Bulbophyllum odoratissimum and also characterisation of two known flavonoids isolated from the same orchid.

Section 2 embodies the isolation and structural elucidation of pendulin, a new stilbenoid of the orchid Cymbidium pendulum. This section also includes the $^{13}$C NMR spectral evidence for further confirmation of the structure of 3,7-dihydroxy-2,4,8-trimethoxy phenanthrene isolated from the same orchid.

Section 3 deals with the chemical investigation of the orchids Tylostylis discolor and Bulbophyllum affine.