

**“TYMOLOGICALIDIOSYNCRASYANDANATOMYANALYSIS OF INTERGENERIC
HYBRID BETWEEN ORCHIS FALCATA AND SEDIREA SUBPARISHII”**

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ABSTRACT

The presently cultivated kinds of orchid flowers have weak or no fragrance and also the plant needs high temperatures for cultivation. so as to develop a brand new style of orchidaceous plant that's psychrophilic and redolent, inter-generic cross between wild wind orchids and lepidopteron orchids was performed. In 2007, to get inter-generic hybrids from *Sedirea subparishii* and *Orchis falcata* with lepidopteron orchids, artificial crosses with a complete of one hundred sixty combos were performed. Most of the cross combos failing because of cross incompatibility once inter-generic crosses, with no pod formation, premature pod dropping once pod formation, and pod formation that failed to turn out seeds. From among these, the crosses that fashioned traditional seeds and germinated to supply viable plants enclosed *Doritos pulcherrima* × *S. japonicum*, *N. falcata* × *D. pulcherrima*, and *N. falcata* × *P. eustress*. From the hybrid specimens obtained through these crosses, two superior lines were selected supported their floral morphology, range of flowers, hardiness, and fragrance. Comparative analyses of the morphological and body traits were performed between the chosen hybrid specimens and their folks. The flower and inflorescence characteristics of the chosen hybrids exhibited intermediates traits of each the parents; but, additional traits from the lepidopteron orchids were hereditary. For pollinate traits, each 819-3B and K9256 specimens exhibited intermediate kinds of their folks in terms of their form and size. Within the case of 819-3B specimen, a high degree of attribute similarity thereupon of *D.*

KEYWORDS

Meiosis, Ploidy Analysis, Pollen Masses, Psychrophilic, Sterility.

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