



RHOEO SPATHACEA: A CYTOGENETICAL REVIEW

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Received on: 08/01/12 Revised on: 21/02/12 Accepted on: 11/03/12

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ABSTRACT

A cytogenetical review is conducted on *Rhoeo spathacea* (Swartz) Stearn (monotypic genus of the family Commelinaceae) including conventional heterozygote (var. *bicolor*) form ($2n=12$) and a rare bivalent forming clone of var. *concolor* ($2n=12$) with an objective to provide cytological configurations explaining some of the important cytogenetical aspects, which is rather difficult in sexually propagated plant species due to sterility barriers. Cytological configurations documented may generate interest among researchers to carry the art forward in different plant species for better understanding of gene and chromosome relationship. Further, the species may easily be cultivated vegetatively or utilized from natural resources for effective formulations of herbal drugs.

KEYWORDS: *Rhoeo spathacea*, Heterozygote, Bivalent forming clone, Cytogenetics, Pharmacological significance.

Full text of this article is available in print issue. Online version of this article is not available due to technical reason.