

Minor Research Project in botany

On

“PTERIDOPHYTES FLORA OF RAICHUR DISTRICT”

Carried out by Prof. Jaya S. Dongre

Vide Approval letter from UGC- MRP(S)-550/09-10/KAGU020/UGC-SWR, dtd. 30-Nov.-2009

Summary

The Minor Research Project's field work carried out in all 5 Talukas of Raichur District from 2010 to 2014; revealed the presence of 12 species under 9 genera commonly seen the district. The dominant family Selaginellaceae, Marsileaceae, and Adiantaceae are with two species each; while Isoetaceae, Pteridaceae, Azollaceae, Blechnaceae and Odontosoria represented by a single species each.

Out of these genera with single species like *Isoetes coromandeliana*, *Pteris vittata*, *Christella dentata*, and *Odontosoria chinensis* show a restricted distribution due to their habitat preferences and also show a gradual decline in their population density each year.

A total 12 species of Pteridophytes were recorded in the present study and they are belonging to 9 genera and 9 families. Most of the species distributed abundantly in Raichur, Devadurga and Lingasagur forest.

Our results, therefore, is in conformity with the period of three and half years studies and documentations, during 2010 to 2015 with continuous visits and survey to the noted places from the present investigation it has been concluded that among 5 Talukas i. e. Raichur, Devadurga and Lingsugur forest have more number of Pteridophytes flora, but Sindhanoor and Manvi less in number. None of the species have found throughout the year because of dry weather in the region.

The ornamental species of Pteridophytes like *Lycopodium*, *Dryopeteris* and *Nephrolepis* commonly found in offices, houses and public gardens. These floras are not grown in natural habitat. Hence, we have not considered for studies and documentations.

The main causes of threat to these species may be attributed to sudden and accelerated changes in natural habitats in recent times due to man and his anthropogenic associates. All these activities made the Pteridophytes of vanishing group of Raichur region. The efforts are to be made for conservation of these primitive vascular plants.

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Place: Raichur

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