

## PROFILE

**Name:** Prof. M. Daniel

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**Qualification:** Ph.D. in Botany

**Area(s) of Specialization:** Angiosperm Taxonomy and Chemotaxonomy

**Occupation/Designation:** Professor of Botany (Retired from M.S.University, Baroda)

**Major Activities:**

**a) Taxonomic revision:**

i) Taxonomic status and infrageneric taxa of a number of **genera** such as *Sapindus*, *Indigofera*, *Alysicarpus*, *Nyctanthes*, *Cuscuta*, *Ipomoea*, *Ocimum*, *Paulownia*, *Clerodendrum*, *Jacaranda* etc are studied and revised.

ii) **Tribes** such as Genisteae, Galageae, Hedysareae, Phaseoleae, Dalbergieae and all the tribes in the families studied and revised based on chemotaxonomical data.

iii) **Families** such as Cupressaceae, Pinaceae, Taxaceae, Araucariaceae, Capparaceae, Cleomaceae, Sterculiaceae, Malvaceae, Tiliaceae, Oxalidaceae, Geraniaceae, Rutaceae, Meliaceae, Simaroubaceae, Sapindaceae, Aceraceae, Hippocastanaceae, Melianthaceae, Fabaceae, Lythraceae, Rhizophoraceae, Myrtaceae, Aizoaceae, Moluginaceae, Campanulaceae, Caprifoliaceae, Gentianaceae, Menyanthaceae, Exacaceae, Loganiaceae, Oleaceae, Apocynaceae, Asclepiadaceae, Convolvaceae, Acanthaceae, Bignoniaceae, Verbenaceae, Amaranthaceae, Chenopodiaceae, Basellaceae, Polygonaceae, Loranthaceae, Musaceae, Lowiaceae, Strelitziaceae, Zingiberaceae, Cannaceae, Marantaceae and Cyperaceae are studied and revised.

iv) **Orders** like Malvales, Sapindales, Rurales, Primulales, Gentianales, Apocynales and Zingiberales and their circumscription and relationships were revised.

v) **Class Asteridae:** the composition and relationships of the orders were revised.

vi) **Phylum Magnoliophyta:** A new logical and easier classification of the Angiosperms is proposed.

**b) Monographic work**

A book written by Prof. Daniel in Taxonomy of Angiosperms is a monographic work.

This book “**Taxonomy: Evolution at Work**” unfolds the whole process of evolution of plants as a story explaining the strategies in which the different plant groups evolved over time and their struggle for survival by developing new and better characters. The study of these processes is “Evolution at Work” and such a treatment makes the subject of “Tax-On-Me” exciting and thought-provoking. **A new classification of plants**, which is easy both for the teacher and taught, is proposed This book is published by **Alpha Science International Ltd, Oxford, U. K.** (Pages 467, \$ 120). It’s Indian edition is published by **Narosa Publishers, New Delhi. Rs 350/-**

*Awards/Recognitions: Nil*