

CENTRE FOR BIODIVERSITY AND BIOTECHNOLOGY
XAVIER'S COLLEGE HERBARIUM (XCH)
St. Xavier's College (Autonomous), Palayamkottai - 627 002

International recognition

The International association for Plant Taxonomy (Head office in Berlin) formally granted recognition to the XCH Herbarium on October 1993. This recognition is an indication of the quantum of field work and taxonomic research that has been carried out in this herbarium. This recognition also means that the specimens here will be quoted by scientists in research publication and scientists, will also borrow or exchange specimens and spores. The XCH herbarium has been registered in the International Journal TAXON (1994) Published in Berlin.

The Manonmaniam sundaranor university to which St.Xavier's College is Affiliated granted recognition to CBB as a research centre on January 1994. As a result, Scholars from different colleges near and far can come here and carry out research for Ph.D degree.

In this herbarium centre, Pteridophytes and Angiosperm mounted as well as duplicated specimens are stored.

The following list of Pteridophytes mounted specimens are found in XCH: Athyriaceae -266, Lindsaeaceae -234, Hymenophyllaceae-399, Thelypteridaceae -1628, Selaginellaceae - 344, Pteridaceae-563, Dennstaedtiaceae - 302, Hyperziaceae -198, Actinopteridaceae- 167, Parkeriaceae-453, Vittariaceae- 143, Hemitidaceae-198, Aspleniaceae -1786, Adiantaceae- 573, Sinopteridaceae- 184, Garmmitidaceae-131, Olendraceae -123, Angiopteridaceae- 767, Marrattiaceae-262, Osmundaceae-54, Schizaeaceae-122, Gleicheniaceae-267, Lycopodiaceae-272, Isoetaceae-155, Dryopteridaceae-1056, Polypodiaceae-382, Marisileaceae- 32, Salviniaceae-33, Azollaceae-18, Cyatheaceae-362, Lomariopsidaceae-159, Blechnaceae-368, Ophioglossaceae-194.

The following list of Angiosperms mounted specimens are found in XCH:

POLYPETALAE contain Ranunculaceae-12, Dilleniaceae-16, Magnoliaceae - 8, Annonaceae - 244, Menispermaceae- 212, Capparaceae -198, Cleomaceae - 26, Violaceae -34, Flacourtiaceae- 66, Pittosporaceae-18, Polygalaceae -48, Xanthophyllaceae-12, Caryophyllaceae

19, Portulacaceae -8, Hypericaceae-9, Guttiferae (Clusiaceae)- 59, Theaceae-34 , Ancistrocladeceae-6, Malvaceae- 184, Bombaceae - 9, Sterculiaceae- 139, Tiliaceae-181, Elaeocarpaceae-65, Linaceae-13, Erythroxylaceae - 37, Malpighiaceae- 76, Zygophyllaceae-15, Tropealaceae- 11, Oxalidaceae- 129, Avertroaceae-4, Balsaminaceae- 147, Rutaceae- 219, Ochnaceae- 18, Burseraceae-21,Meliaceae- 87,Olacaceae-8, Opiliaceae- 13,Icacinaceae- 28, Erythralaceae- 3, Aquifoliaceae- 6, Celastraceae-41, Hippocrateaceae- 16, Rhamnaceae- 102, Vitaceae- 203, Leeaceae-6, Sapindaceae- 123, Aceaceae- 7, Staphyleaceae- 13, Sabiaceae- 5, Anacardiaceae- 128, Connaraceae-41, Fabaceae- 428, Caesalpiniaceae - 128, Mimosaceae- 217, Rosaceae- 32, Vahiliaceae-4, Crassulaceae- 9, Droseraceae- 12, Haloragaceae- 6, Rhizophoraceae- 11, Combretaceae- 45, Myrtaceae- 189, Barringtoniaceae- 8, Melastomataceae- 298, Lythraceae- 18, Onagraceae- 19, Passifloraceae- 16, Cucurbitaceae- 128, Begoniaceae- 26, Cactaceae-3, Molluginaceae- 23, Umbelliferae(Apiaceae)-23, Araliaceae-53, Cornaceae-12, Alangiaceae-6.

GAMOPETALAE contain Caprifoliaceae- 5, Rubiaceae- 687, Asteraceae (Compositae)- 341, Campanulaceae- 17, Vaciniaceae- 4, Plumbaginaceae- 8, Myrsinaceae- 42, Sapotaceae- 59, Ebenaceae- 127, Symlocaceae-112, Oleaceae- 187, Apocynaceae- 136, Asclepiadaceae-168, Loganiaceae- 51, Buddlejaceae-3, Gentianaceae- 41, Boraginaceae- 78, Convolvulaceae- 128, Solanaceae- 201, Scrophulariaceae- 121, Orobanchaceae- 5, Lentibulariaceae- 13, Gesneriaceae- 78, Bignoniaceae-17, Acanthaceae- 389, Verbenaceae- 232, Lamiaceae (Labiatae)-321, Plantaginaceae- 4.

MONOCHLAMYDEAE contain Nyctaginaceae- 134, Chenopodiaceae- 3, Phytolaccaceae-6, Polygonaceae- 23, Aristolochiaceae- 39, Piperaceae- 96, Chloanthaceae-6, Myristicaceae- 16, Lauraceae- 287, Hernandiaceae- 7, Proteaceae- 12, Thymelaeaceae- 2, Elaeagnaceae- 13, Loranthaceae- 183, Santalaceae- 16, Balanophoraceae- 5, Euphorbiaceae - 612, Urticaceae- 157, Ulmaceae- 28, Moraceae- 187.

MONOCOTYLEDONES contain Orchidaceae- 432, Zingiberaceae- 132, Costaceae- 5, Marantaceae- 6, Musaceae-3, Cannaceae- 5, Bromeliaceae- 6, Haemodoraceae- 17, Dioscoreaceae- 42, Smilacaceae- 23, Agavaceae- 13, Hypoxidaceae- 8, Amaryllidaceae- 14, Burmanniaceae- 3, Liliaceae- 121, Pontederiaceae- 10, Commelinaceae- 132, Juncaceae- 3, Arecaceae(Palmae)- 86, Pandanaceae- 6, Typhaceae-2, Araceae- 102, Cyperaceae-321, Poaceae- 426.

Plants that have been named after Rev.Fr.Dr.V.S.Manickam SJ.

1. Murugan *et al* 2000., *Memecylon manickamii*, A New Species of Melastomataceae, Kew Bulletin,55:1001-1003.
2. Murugan 2002 *Xanthophyllum manickamii* Murugan A New Species of Polygalaceae, J. Econ. Taxon. Bot. 26(2): 413.
3. Murugan 2002 *Eugenia manickamiana* Murugan A New Species of Myrtaceae, J. Econ. Taxon. Bot. 26(2): 414.
4. Murugan C, Natarajan K, 2008 *Theriophonum manickamii* (Araceae) - A New plant species from the Tirunelveli district, Tamil Nadu, India. J econ taxon Bot 2008, 32(3), 618-23.
5. *Athyrium x manickamii* Fraser-Jenk.2008. (*A. foliolosum* X *A. silvicola*) (Dryopteridaceae) Taxonomic revision Indian subcontinental pteridophytes 226.
6. Fraser-Jenk.& Benniamin 2008. *Thelypteris parasitica* (L.) Tardieu Subsp. *manickirudorum* (Thelypteridaceae), Taxonomic revision Indian subcontinental pteridophytes 186
7. Benniamin,C.R.Fraser-Jenkins, V.Irudayaraj 2008. *Polystichum manickamianum* (Dryopteridaceae), a New Species from South India, Novon: A Journal for Botanical Nomenclature 18(3):287-293.

In angiosperm, the following plants have been newly discovered by CBB.

S.No	New Species	Family
1.	<i>Schefflera agasthiyamalayana</i>	Araliaceae
2.	<i>Symplocos kothayarensis</i>	Symplocaceae
3	<i>Hedyotis ramarowii</i> var. <i>kannikattika</i>	Rubiaceae
4	<i>Memecylon tirunelvelicum</i>	Melastomataceae
5	<i>Osbeckia tirunelvelica</i>	Melastomataceae
6	<i>Sonerila longipetiolata</i>	Melastomataceae
7	<i>Sonerilainaequalis</i>	Melastomataceae
8	<i>Cissus xavierensis</i>	Vitaceae
9	<i>Miliusa tirunelvelica</i>	Annonaceae
10	<i>Glycosmis tirunelveliensis</i>	Rutaceae
11	<i>Euonymus kanyakumariensis</i>	Celastraceae
12	<i>Euonymus barberi</i>	Celastraceae

13	<i>Memecylon courtallense</i>	Melastomataceae
14	<i>Glochidion hohenacheri</i> var. <i>kothayarensis</i>	Euphorbiaceae

New Record for India

S.No	Botanical name	Family
1	<i>Syzygium neeanum</i>	Myrtaceae
2	<i>Eurya ceylanica</i>	Theaceae
3	<i>Habenaria dichopetala</i>	Orchidaceae
4	<i>Butea acuminata</i>	Papilionaceae
5	<i>Memecylon variens</i>	Melastomataceae
6	<i>Gymnostachyum paniculatum</i>	Acanthaceae
7	<i>Strobilanthes anceps</i> Var <i>anceps</i>	Acanthaceae

New record for Tamilnadu

S.No	Botanical name	Family
1	<i>Zeuxine affinis</i>	Orchidaceae
2	<i>Pogostemon travancoricus</i>	Lamiaceae
3	<i>Litsea mysorensis</i>	Lauraceae
4	<i>Thottea dinghoui</i>	Aristolochiaceae
5	<i>Argyreia choisyana</i>	Convolvulaceae
6	<i>Jasminum roxburghianum</i>	Oleaceae
7	<i>Clidemia hirta</i>	Melastomataceae
8	<i>Acacia pruinescens</i>	Mimosaceae
9	<i>Caesalpinia minor</i>	Caesalpinaceae
10	<i>Casia sericea</i>	Caesalpinaceae
11	<i>Canthium pergracile</i>	Rubiaceae
12	<i>Hedyotis wynadensis</i>	Rubiaceae
13	<i>Meyna laxiflora</i>	Rubiaceae

In Pteridophytes, the following plants have been newly discovered by CBB.

S.No	New Species	Family
1.	<i>Vittaria montana</i>	Vittariaceae
2.	<i>Colysis x beddomei</i>	Polypodiaceae
3	<i>Polystichum subinerme</i> Var. <i>orbiculata</i>	Dryopteridaceae
4	<i>Pseudocyclosorus ochthodes</i> Var. <i>palaniensis</i>	Thelypteridaceae
5	<i>Pseudocyclosorus ochthodes</i> Var, <i>annamalayensis</i>	Thelypteridaceae
6	<i>Athyrium x keralensis</i>	Athyriaceae
7	<i>Bolbitis x ponnudiensis</i>	Bolbitidaceae
8	<i>Colysis x beddomei</i>	Polypodiaceae

Rediscovered Species

S.No	Botanical name	Family
1	<i>Tectaria zeylania</i> (After 120 Years)	Dryopteridaceae
2	<i>Anogramma leptophylla</i> ((After 98 Years)	Hemiaonitidaceae

New records for the Western Ghats

S.No	Botanical name	Family
1	<i>Pteris wallichiana</i>	Pteridaceae
2	<i>Pteris ensiformis</i>	Pteridaceae
3	<i>Pteris heteromorpha</i>	Pteridaceae
4	<i>Bolbitis sinensis</i>	Bolbitidaceae
5	<i>Athyrium pecinatum</i>	Athyriaceae
6	<i>Athyrium attenuatum</i>	Athyriaceae
7	<i>Athyrium rubricaulae</i>	Athyriaceae
8	<i>Athyrium schimperii</i>	Athyriaceae
9	<i>Athyrium rupicola</i>	Athyriaceae
10	<i>Cheilanthes rufa</i>	<i>Cheilantheaceae</i>
11	<i>Cheilanthes dubia</i>	<i>Cheilantheaceae</i>

International Association for Plant Taxonomy
International Bureau for
Plant Taxonomy and Nomenclature

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Dr. V. S. Manickam, S.J.
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24.05.93

Dear Dr. Manickam,

Your request for having your institution entered in the Index Herbariorum database is at hand. I am forwarding it to Dr. Patricia Holmgren (New York Botanical Garden, Bronx, NY 10458-5126, USA) who is responsible for maintaining that database and for assembling and publishing additions.

Please contact Dr. Holmgren directly, giving her any details that may be required (preferably on an apposite questionnaire available from her).

With kind regards,

Yours sincerely,



Professor Werner Greuter

c: Dr. Holmgren

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