



MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

Affiliated to Periyar University, Salem.

Accredited by NAAC with 'A' Grade & Recognized u/s 2(f) and 12(B) of the UGC Act 1956

Kalippatti - 637 501, Namakkal (Dt), Tamil Nadu

3.1.1

The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented

Additional Information

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RESEARCH COMMITTEE

S.No.	Name & Designation	Status
1.	Dr. S. Arjunan, Ph.D. Principal, Mahendra Arts & Science College	Principal
2.	Prof. N. Sampath Kumar Director-Administrative, Mahendra Arts & Science College	Management Representative
3.	Dr. Vincent Aroulmoji R&D Director, Mahendra Educational Intuitions	R&D Director
4.	Dr. T. Selvankumar, Ph.D. Head, Department of Biotechnology, Mahendra Arts & Science College	Co-ordinator
5.	Dr. V. Hariharan, Ph.D. Head, Department of Physics, Mahendra Arts & Science College	Member
6.	Mr. R. Selvakumar, Head, Department of Chemistry, Mahendra Arts & Science College	Member
7.	Dr. J. Josephine Daisy, Ph.D. Head, Mahendra Arts & Science College	Member
8.	Dr. K. Prabakaran, Ph.D. Assistant Professor, Department of Physics, Mahendra Arts & Science College	Member
9.	Dr. K. Selvam, Ph.D. Assistant Professor, Department of Biotechnology, Mahendra Arts & Science College	Member


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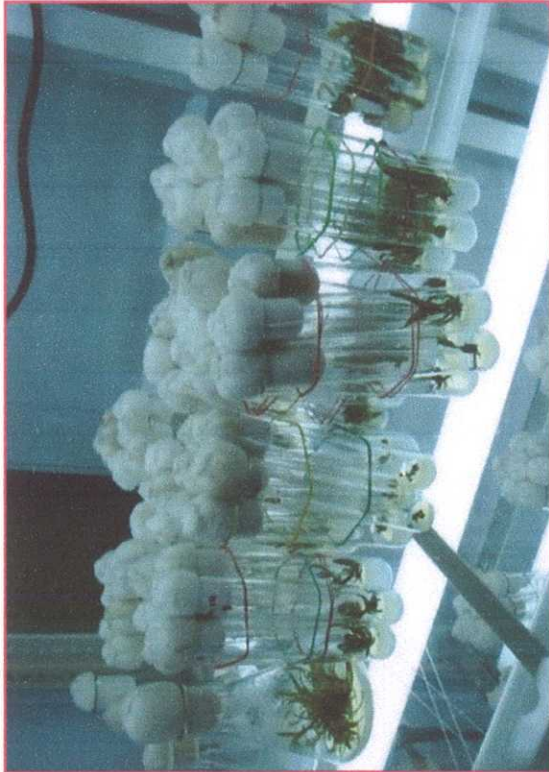
Research Facilities
(DST-FIST Sponsored)

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Microbial Biotechnology & Plant Tissue Culture



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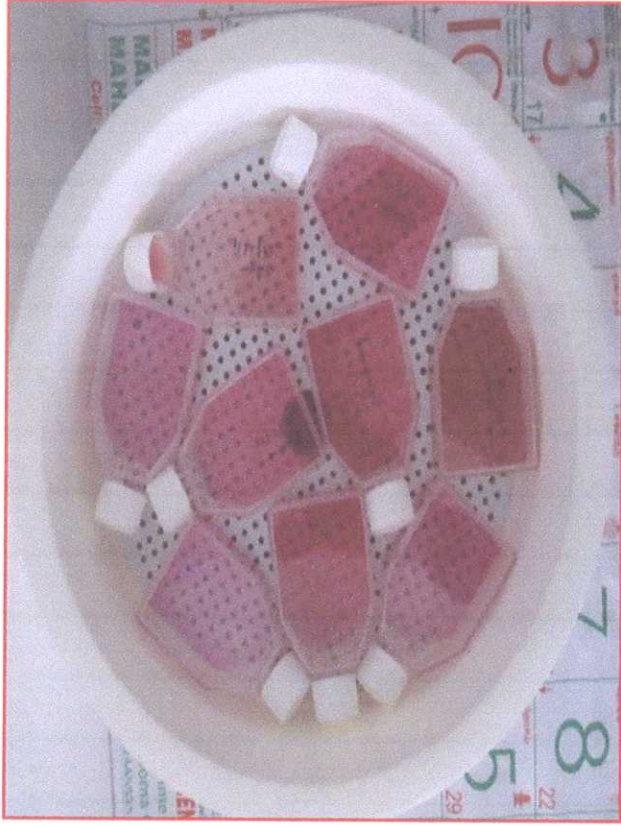
Genetic Engineering, Molecular Biology & Microalgal- Pigment Extractions



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Biochemistry & Enzymology & Animal Cell Culture



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List of Instruments for Research



Gel Documentation



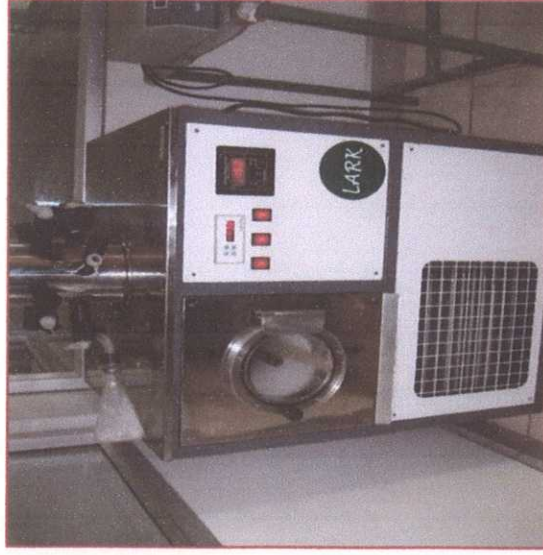
Ultra Sonicator



PCR- Machine



Lab scale fermentor



Lyophilizer

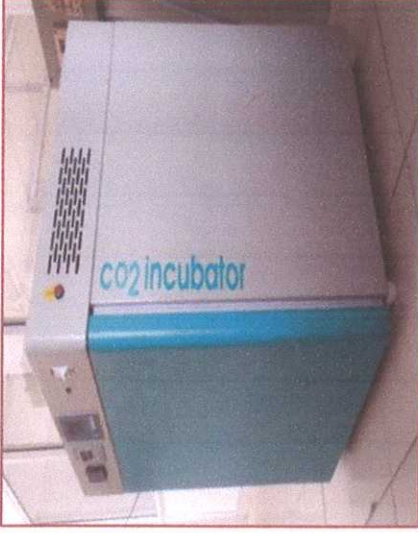


Cooling Centrifuge

List of Instruments for Research



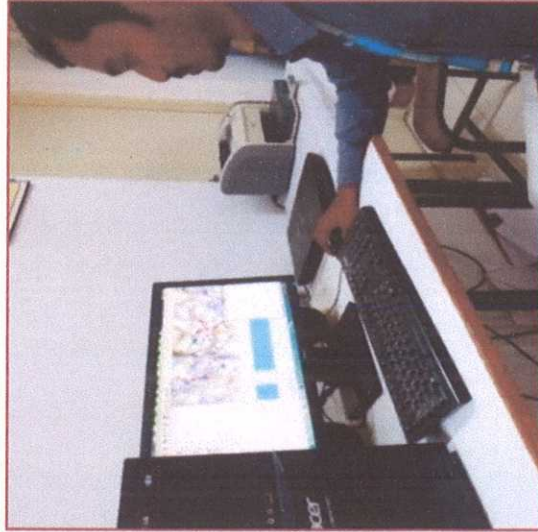
Inverted Microscope



CO2 Incubator



Gradient PCR- Machine



SeeSAR Bioinformatic Software



UV-VIS Spectrophotometer UV-1800 Shimadzu



Cooling Centrifuge

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Activities: AGRI Workshop organized in our Department



Agri Expo- Ulavar Vizha – Our Students took part on the Exhibition



Activities: International / National Seminar organized in our Department




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Established Research Centers

Centre for Micro algal culture and Pigment Extractions

Centre for *Ex-situ* Conservation of Germplasm through medicinal plant garden

Centre for training of Vermicompost & Mushroom cultivation

Mitigation of CO₂ Emissions by Bamboo Garden

Biological Data Analysis and Resource Center



EVirDB- Enterobacterial Virulence Factor Database

BCGDDB – Breast Cancer Gene Database

T2DMDB – Type 2 Diabetes Mellitus Database

BackKDB – Bacterial Kinase Database


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Database and Software's under Development

Medicinal plant Database

ABOUT

The ethnic medicinal plants are a rich resource of natural drugs and they have been the most exclusive source of life saving drugs for majority of the world's population for several generations. Medicinal plants are being screened extensively worldwide, in an attempt to develop more effective treatments from the extremely complex molecular structures present in them. These plants represent a vast potential resource for many ailment compounds.



Medicinal Plant Database



Designed and Developed by
Department of Biotechnology
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BioSoft A comprehensive package for the analysis of biological data

BioSoft

A Comprehensive online package for
Biological Data Analysis



DNA Sequence Analysis

Protein Sequence Analysis

Structure Analysis



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Mushroom Cultivation



Paddy straw as substrate



Spawn



Mushroom in Bag




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Vermicompost Production



Earthworm



Large scale production



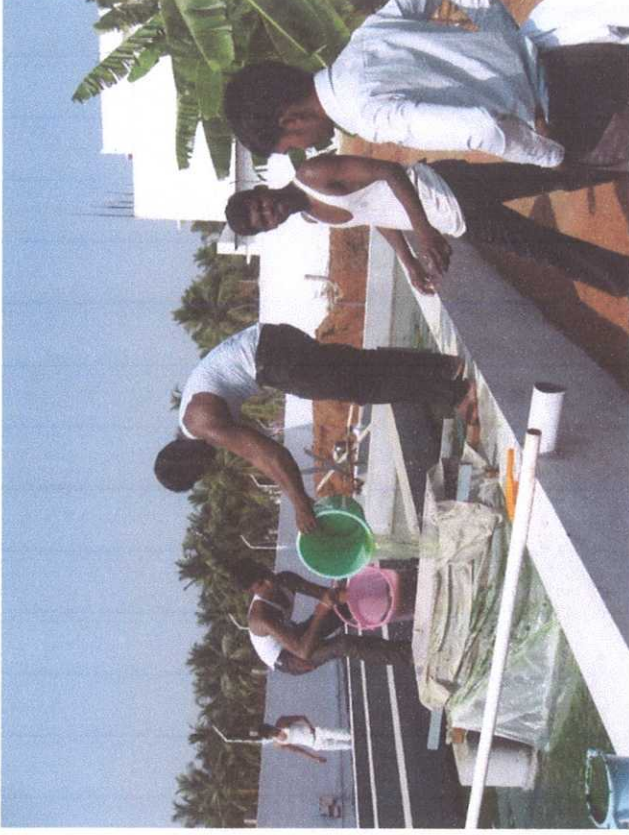
Small scale production



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Vermi compost

Spirulina Cultivation



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Center for Microalgal Culture and Pigment Extractions



Microalgal cell- Spirulina



Inauguration for CMC & PE



Pigments Extraction



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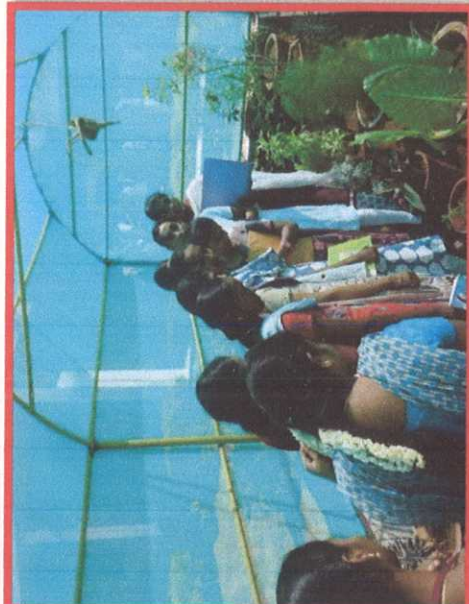
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காலைக்கதிர்

News in Kalaikathir About CMC & PE

Center for Ex-situ Conservation of Medicinal Plants



Students visiting in medicinal garden

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