



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

3.3.1.

Institution has created an eco-system for innovations, creation and transfer of knowledge supported by dedicated centers for research, entrepreneurship, community orientation, Incubation etc.

Centre for Research

PRINCIPAL

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

Kalippatti (PO) - 637 501, Namakkal (Dt)



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

Centre for Research

- + Centre for Micro algal culture and Pigment Extractions**
- + Centre for *Ex-situ* Conservation of Germplasm through medicinal plant garden**
- + Centre for training of Mushroom cultivation**
- + Centre for training of Vermicompost**
- + Mitigation of CO₂ Emissions by Bamboo Garden**
- + Biological Data Analysis and Resource Center**

PRINCIPAL

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

Kalippatti (PO) - 637 501, Namakkal (Dt)



MAHENDRA ARTS & SCIENCE COLLEGE

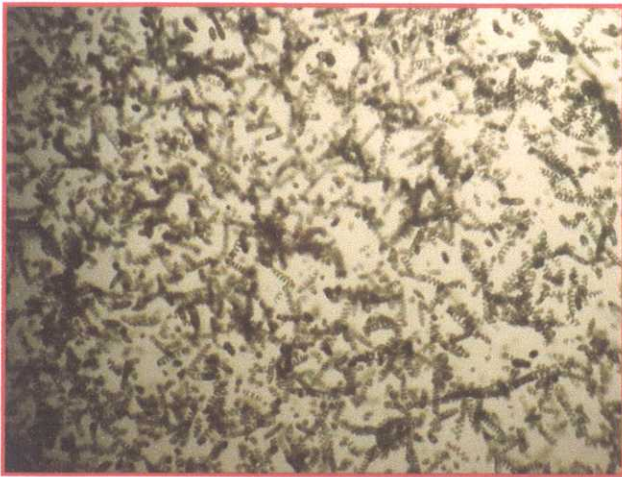
(Autonomous)

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

Centre for Micro algal culture and Pigment Extractions



Microalgal cell- Spirulina



Inauguration for CMC & PE



Pigments Extraction



News in Kalaikathir About CMC & PE

PRINCIPAL

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

Kalippatti (PO) - 637 501, Namakkal (DT)



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

Spirulina Cultivation – Large scale Production Unit



Spirulina Production Unit - I



Spirulina Production Unit - II



Collection of Spirulina

PRINCIPAL

MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)

Kalippatti (PO) - 637 501, Namakkal (Dt)



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

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



PRINCIPAL

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

Kalippatti (PO) - 637 501, Namakkal (DT)



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

Centre for training of Mushroom cultivation



Paddy straw as substrate



Spawn



Mushroom in Bag



Handwritten signature

PRINCIPAL

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

Kalippatti (PO) - 637 501, Namakkal (DT)



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

Centre for training of Vermicompost



Earthworm



Large scale production



Small scale production



Vermi compost

PRINCIPAL

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

Kalippatti (PO) - 637 501, Namakkal (DT)



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

Mitigation of CO₂ Emissions by Bamboo Garden



MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)
(Accredited by NAAC and Recognized u/s 2(f) & 12(B) of the UGC Act 1956)
(Affiliated to Periyar University, Salem)



DEPARTMENT OF BIOTECHNOLOGY

CARBON SEQUESTRATION BY BAMBOO GARDEN

Potential impact of bamboo to mitigate carbon in climate change

- ❖ One hectare of Bamboo species can store up to 250 tons of carbon (Qi, 2009).
- ❖ Biomass and carbon storage in bamboo is a permanent sink
- ❖ Bamboo has high carbon sequestration rate
- ❖ Bamboo to be Improved water and land management
- ❖ Bamboo cultivation is a landscape restoration on a massive scale
- ❖ Bamboo cultivation in mining areas to achieve soil rehabilitation
- ❖ Bamboo cultivation provides climate-smart housing.
- ❖ Woody bamboos provide ample opportunities for carbon farming and carbon trading.
- ❖ Very good raw material for the development of Fire retardant Nano-Fibre Synthesis .



Bamboo Garden


PRINCIPAL

MAHENDRA ARTS & SCIENCE COLLEGE

(Autonomous)

Kalippatti (PO) - 637 501, Namakkal (DT)



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

Biological Data Analysis and Resource Center

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.



Designed and Developed by
Department of Biotechnology
MAHENDRA ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
Accredited by NAAC, Recognized u/s 2(f) & 12 (B) of the UGC Act 1956
Affiliated to Periyar University
KALIPPATTI, NAMAKKAL (Dt.) - 637 501



Medicinal Plant Database

BioSoft A comprehensive package for the analysis of biological data

DNA Sequence Analysis

Protein Sequence Analysis

Structure Analysis



Designed and Developed by
Department of Biotechnology
MAHENDRA ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
Accredited by NAAC, Recognized u/s 2(f) & 12 (B) of the UGC Act 1956
Affiliated to Periyar University
KALIPPATTI, NAMAKKAL (Dt.) - 637 501

BioSoft

A Comprehensive online package for Biological
Data Analysis

PRINCIPAL

MAHENDRA ARTS & SCIENCE COLLEGE
(Autonomous)

Kalippatti (PO) - 637 501, Namakkal (Dt)