



THIAGARAJAR COLLEGE:: MADURAI – 625 009
NATIONAL CENTRE OF EXCELLENCE IN STATISTICAL AND
MATHEMATICAL MODELLING IN BIORESOURCES MANAGEMENT

PROGRESS REPORT OF THE CENTRE
(2015 – 16)

A. TEACHING:

Introduction of M.Sc., Biotechnology Course from the academic year 2015

B. TRAINING:

i. Workshops organized:

Training Programmes for the students of the Centre & Collaborative Department		
Programme	Dates	Participants
Two day workshop on Multiplex ligation dependent probe amplification and its application in collaboration with Department of Zoology & BITS, Hyderabad Campus	21.12.15 & 22.12.15	Selected Students of MSc., Microbiology & Biotechnology
Extension of facilities to students of other institutions		
Programme	Dates	Participants
Two day Workshop on UV-Vis Spectrophotometric techniques along with Department of Zoology	09.01.16 & 10.01.16	Selected undergraduate students from various institutions

Publication of Manual:

Nagendran, N.A., Kulandaivel and Saranya, N. 2016. Manual on the Workshop on UV Spectrophotometric Techniques, NCoE, MHRD, New Delhi.

ii. Training Programmes arranged:

Training Programmes for the students of the Centre & Collaborative Department		
Programme	Date	Participant(s)
Industrial visit to Aavin Milk Processing unit, Madurai – Pasteurization and milk products manufacturing	20.07.15	I M.Sc., Biotechnology students of the Centre

Industrial visit to GrowMore Biotech Ltd., Hosur – Plant Tissue culture	23.09.15	I M.Sc., Biotechnology students of the Centre
Five Day National Workshop on Modelling, stimulation and optimization of bioprocess organized by Department of Biotechnology, NIT, Warangal	02.11.15 – 06.11.15	P. Nirvin, Project Fellow
Visit to Networking Resource Centre in Biological Sciences, Madurai Kamaraj University – DNA sequencing	17.02.16	I M.Sc., Biotechnology students of the Centre
*UGC & DBT Sponsored National Seminar cum Workshop on Microbial Omics: From Genome to Proteome, Bioinformatics Infrastructural Facility, Department of Biotechnology, Alagappa University, Karaikudi	24.02.16 – 26.02.16	N. Saranya Faculty M.Sc., Biotechnology
*Mathematica training program – GT Enterprises, Bangalore	25.02.16 & 26.02.16	Dr. D. Pandiaraja Director

* to be attended

C. RESEARCH:

RECOGNIZED MULTI DISCIPLINARY RESEARCH CENTRE

The Centre has been recognized as Full time Research Centre to carryout multidisciplinary Research leading to Ph.D., Degree by Madurai Kamaraj University

Formation of Various Committees for the Effective Functioning of the Centre:

MONITORING & ADVISORY COMMITTEE:

01. Er. K. Thigarajan, Secretary, Thiagarajar College
02. Dr. M. Eyini, Principal, Thiagarajar College

03. Dr. V. Abhai Kumar, Principal, Thiagarajar College of Engineering

CORE RESEARCH COMMITTEE:

S.No.	NAME	DESIGNATION	DEPARTMENT
01	Dr. D. Pandiaraja	Director	Mathematics
02	Capt. Dr. N. Arun Nagendran	Joint Director	Zoology
03	Dr. Rm Murugappan	Member	Zoology
04	Dr. N. Srinivasan	Member	Physics
05	Dr. M. Senthilkumaran	Member	Mathematics
06	Dr. C. Ravi	Member	Zoology
07	Dr. K. Sarswathi	Member	Botany
08	Dr. A. Tamilselvi	Member	Chemistry
09	Dr. Poornima Kkani	Member	Zoology
10	Mr. M. Madhavan	Member	Mathematics
11	Mr. S. Kulandaivel	Member	Microbiology
12	Mrs. N. Saranya	Member	Biotechnology

PURCHASE COMMITTEES:

i. Equipments Purchase Committee

S.No.	NAME	DESIGNATION	DEPARTMENT
01	Dr. R. Vijayalakshmi	Convener	Physics
02	Dr. A. Elangovan	Member	Chemistry
03	Dr. Rm. Murugappan	Member	Zoology
04	Dr. M.Venkatachalam	Member	Physics
05	Dr. D. Pandiaraja	Special Invitee	MHRD Centre
06	Lt. Dr. N. Arun Nagendran	Special Invitee	MHRD Centre

ii. Chemicals Purchase Committee

S.No.	NAME	DESIGNATION	DEPARTMENT
01	Dr. P. Dharmaraj	Convener	Chemistry
02	Dr. J. Suvetha Rani	Member	Physics
03	Dr. S. Binu Ramesh	Member	Zoology
04	Dr. K. Jagathesan	Member	Botany
05	Dr. D. Pandiaraja	Special Invitee	MHRD Centre
06	Lt. Dr. N. Arun Nagendran	Special Invitee	MHRD Centre

i. Glassware Purchase Committee

S.No.	NAME	DESIGNATION	DEPARTMENT
01	Dr. K. Rajendran	Convener	Botany
02	Dr. C. Raja Karthigan	Member	Physics
03	Dr. T. Arumuganathan	Member	Chemistry

04	Dr. T.S. Ramya Lakshmi	Member	Zoology
05	Dr. D. Pandiaraja	Special Invitee	MHRD Centre
06	Lt. Dr. N. Arun Nagendran	Special Invitee	MHRD Centre

Publications in Journals/Conference Proceedings:

- Pandiaraja, D and Murugeswari, D. 2015. Stability analysis for an HIV/AIDS epidemic model with an additional delay. (In.) Proceedings of National Conference on Recent Developments on Emerging fields in Pure and Applied Mathematics. Organized by Department of Mathematics and NCoE, MHRD. 12 & 13 March 2015.
- Pandiaraja, D. and Adithya, R.P. 2015. Generalized Eulerianess in Non-linear Eulerian graphs. (In.) Proceedings of National Conference on Recent Developments on Emerging fields in Pure and Applied Mathematics. Organized by Department of Mathematics and NCoE, MHRD. 12 & 13 March
- Pandiaraja, D. and Murugeswari, D. 2015. Computational Analysis of He's method and Homotopy Analysis method to non-linear Damped driven Pendulum, Jamal special Journal
- N. Saranya, 2015. A review about causes, effects & Controlling measures of pollution on Biodiversity., International Conference on Biodiversity and Evaluation – Perspective & Paradigm shift organized by Sree Sankara College, Kalady, 2 & 3rd December.
- Madhan, P. 2016. Isolation of multidrug resistant K. pneumonia from currencies collected in Madurai region. National Conference on Trends in Healthcare and Biotechnology: Opportunities & Challenges sponsored by Science and Engineering Research Board (SERB), New Delhi organized by AVVM Sri Pushpam College, Tanjavur, 22 & 23rd January.

Staff Training programmes:

Programme	Dates	Participants
Two day workshop on Multiplex ligation dependent probe amplification and its application in collaboration with Department of Zoology & BITS, Hyderabad Campus	21.12.15 & 22.12.15	Selected Students of MSc., Microbiology & Biotechnology

Appointment of Staff:

S.No	Name	Designation	Community	Wef
01	Mr. P. Nirvin	Project Fellow	SC	25.01.16
02	Mr. S. Muralikrishnan	Project Fellow	OBC	25.01.16
03	Ms. R. Rohini	Project Fellow	OBC	25.01.16

04	Mr. G.B. Manikandan	Field Assistant	OBC	27.01.16
05	Mr. V. Prem Kumar	Office Assistant	OBC	17.02.16

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