

CURRICULUM VITAE OF Dr. P.U.MAHALINGAM



1. Present Position : Assistant Professor in Biology

2. Educational Qualifications

| S. No. | Degree | Institution / University | Subject / Area of Research | Year of Passing/Award |
|--------|----------------|-------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------|
| 1. | Ph.D. | Gandhigram Rural University, Gandhigram. | Microbiology / Use of microbes and earthworms in composting | March 2009 |
| 2. | M.Phil. | Manonmaniam Sundaranar University, Trinelveli. | Life Science / Microbial Degradation of Chemical Pesticides | 2003 |
| 3. | M.Sc. | Bharathidasan University, Trichy. | Microbiology | 1997 |
| 4. | B.Sc. | The American College / Madurai Kamaraj University, Madurai. | Botany | 1995 |

3. **Special Training Undergone (Orientation / Refresher Course attended)**

| Particulars | Period | | No. of Days |
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| | From | To | |
| (a) Orientation Course | | | |
| 1. UGC-Sponsored 53 rd Orientation course on “Value Based Education”, Organized by UGC-Academic Staff College, Bharathiar University, Coimbatore and <u>obtained Grade “A”</u> | 01.11.2003 | 28.11.2003 | 28 days |
| (b) Refresher Course | | | |
| 1. UGC-Sponsored Refresher Course on “Recent Trends in Quality Assurance and Management in Food and Dairy Industries”, Organized by Faculty of Agriculture and Animal Husbandry, Gandhigram Rural University, Gandhigram and <u>obtained Grade “A”</u> . | 03.11.2008 | 23.11.2008 | 21 days |
| 2. UGC-Sponsored Refresher Course on “Modern Trends in Biological Sciences”,organized by Madurai Kamaraj University, Madurai and | 15.11.2007 | 05.12.2007 | 21 days |

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| <p><u>obtained Grade “A”.</u></p> <p>3. UGC-Sponsored inter disciplinary Refresher Course on “Intervention and Action Research in Science and Technology for Rural Development”, Organized by Department of Applied Research, Gandhigram Rural Institute – Deemed University, Gandhigram and <u>obtained Grade “A”</u></p> | 08.05.2002 | 28.05.2002 | 21 days |
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4. Teaching and Research Experience

a) Teaching Experience:

Total : 11.10Years (till October 2009)

Positions Held:

| S.No | Position Held | Institution / University | Periods | Nature of Duties |
|------|---------------|----------------------------------------------------------------------------|---------------------------------------------|--------------------------------------------|
| 1. | Lecturer | Dept. of Microbiology, Asan Memorial College of Arts and Science, Chennai. | 05.01.1998 to 31.12.2001 (4 years) | Teaching (UG & PG), Research and Extension |
| 2. | Lecturer | Dept. of Biology, Gandhigram Rural Institute – Deemed University, | 02.01.2002 to 04.01.2004 (2 years) | Teaching (UG & PG), Research and Extension |

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| | | Gandhigram. | | |
| 3 | Lecturer (S.S) | --do-- | 05.01.2004 to 04.01.2006 (2 years) | Teaching (UG & PG), Research and Extension |
| 4. | Assistant Professor | --do-- | 05.01.2006 To Till date (3 years 10 months) | Teaching (UG & PG), Research and Extension |
| 5. | Principal Investigator – DBT Project | Mushroom Centre, Dept. of Biology, Gandhigram Rural Institute – Deemed University, Gandhigram. | 01.03.2004 to 20.07.2007 (3 years) | Mushroom Cultivation Trainings for Rural SC/ST Population |
| 6. | NSS Programme Officer | Asan Memorial College of Arts and Science Chennai. | 01.09.2002 to 31.12.2001 (1.4 years) | Extension activities |
| 7. | Deputy Chief Examiner – External Valuation | Gandhigram Rural Institute – Deemed University, Gandhigram | 07.12.2002, 08.12.2002, 14.12.2002 & 15.12.2002 (4 days) | Assisting Chief Examiner for Central Valuation |
| 8. | Deputy Chief Superintendent | Gandhigram Rural Institute – Deemed University, Gandhigram | November 2005 | Assisting Chief Examiner for conducting End |

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| | | | | Semester Examination |
| 9. | Deputy Chief Superintendent | Gandhigram Rural Institute – Deemed University, Gandhigram | 23.04.2009 To 30.04.2009 (8 days) | Assisting Chief Examiner for conducting End Semester Examination |
| 10. | Deputy Chief Superintendent | Gandhigram Rural Institute – Deemed University, Gandhigram | 27.10.2009 To 13.11.2009 (18 days) | Assisting Chief Examiner for conducting End Semester Examination |

Subjects Handled :

- Fundamentals of Microbiology
- Microbial Metabolism
- Classification of Prokaryotes and Eukaryotes
- Industrial Microbiology
- Food Microbiology
- Immunology
- Molecular Biology
- Biotechnology and Genetic Engineering
- Biofertilizers and Biopesticides
- Bioconversion of Organic Materials

- Mushroom Biotechnology
- Instrumentation Techniques and
Research Methods
- Microbial Genetics
- Plant physiology
- Plant Resources Utilization and
Conservation

b. Research Experience (at Ph.D., M.Phil., & M.Sc., levels):

Total Experience : 11 Years

Area of Specialization :

- Microbial Technology
- Mushroom Technology

- Done **Ph.D** research work on **“Use of microbial consortium and earthworm, *Eisenia fetida* Savigny in vermicomposting agro-residues for pot culture studies of *Vigna unguiculata* (L.) Walp.”** under the supervision of **Dr.Thilagavathy Daniel, Professor of Biology,** Gandhigram Rural Institute – Deemed University, Gandhigram on **06.03.2009.**
- Done **M.Phil** dissertation work entitled **“Isolation and Characterization of Pesticide Degrading Microorganisms from Agricultural Soil”**, under the supervision of **Dr.Thilagavathy Daniel, Professor of Biology,** Gandhigram Rural Institute – Deemed University, Gandhigram, May 2003.

- **Guided** dissertation work for 3 **M.Phil** students of Microbiology and since 2006
- **Guided** dissertation work for 41 **post graduate** students of M.Sc.- Microbiology and M.Sc.- Applied Biology programme since 2000.
- **As Project Guide** operated **Minor Student Project** entitled “A Study on the reparation of an Effective Microbial Consortium for Rapid Composting Process” Funded by **Recognition and Mentoring Programme (L-Ramp) Chennai** with a total Sanction of Rs. 10,000 for 6 months (December 2006 – May 2007).
- Motivated 11 post graduate students of M.Sc.- Microbiology and M.Sc.- Applied Biology programme for submitting project proposals to Tamilnadu State Council for Science and Technology, Chennai for funding.

5. New Courses / Programmes Evolved / Organised

--Nil--

6. Laboratories / Department established

--Nil--

7. Involvement in Institute Development:

- **Member** in Accommodation Committee for “**South Zone Vice-Chancellor’s Conference**”, Organized by Gandhigram Rural Institute-Deemed University, Gandhigram. October 2003.

- **Member** and Convener (Hall arrangement and Decoration) in **National Science Day Celebration**, Organized by Gandhigram Rural Institute-Deemed University, Gandhigram since 2002.
- Served as **Deputy superintendent** for **University Examination** Gandhigram Rural Institute-Deemed University, Gandhigram, during November 2006, April 2009 and October – November 2009.
- **Deputy Chief Examiner** – External and Internal Valuation for Gandhigram Rural Institute-Deemed University, Gandhigram, during December 2002.
- Served as an External Observer for **Departmental Association – Office Bearer Election** for the Department of Rural Technology Centre, Gandhigram Rural Institute – Deemed University, Gandhigram. 8th August 2005 and 2006-07.

8. Research Guidance

1.M.Phil., Dissertation Guided:3

| S.No. | Name | Year | Title of the Work |
|-------|---------------|------|---------------------------------------------------------------------------|
| 1 | | 2009 | |
| 2 | Mahalakshmi.R | 2008 | Disease Prevalence among the employees working in a company(HTMT) |
| 3 | Sivasankari.B | 2007 | Bioefficacy of Microorganisms Isolated from Vermicompost of Agro-residues |

2. M.Sc., Dissertation Guided:42

| S.No. | Name | Year | Title of the Work |
|-------|-------------|------|-----------------------------------------------------------------------------------------------------------------|
| 1 | V.Anupradha | 2009 | Isolation and characterization of microflora and enzymes in the gut extract of earthworm, <i>Eisenia fetida</i> |

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| 2 | K.E.Rajeshwari | 2009 | Isolation and characterization of microflora and enzymes in the gut extract of earthworm, <i>Eudrilus eginiae</i> |
| 3 | Abirami | 2009 | Study on amylolytic activity of bacteria isolated from fruit peel wastes |
| 4 | Sugapriya | 2009 | A study on the production of vermiwash enriched microorganisms, plant growth nutrients and hormone |
| 5 | Karthikai Deeban | 2009 | An evaluation study on phosphate solubilizing activity using bacterial and fungal cultures in rhizosphere soil |
| 6 | Karthikai Deeban.S | 2009 | “An evaluation study on phosphate solubilizing activity using bacterial and fungal cultures in rhizosphere soil” |
| 7 | Arunachalam.K | 2008 | Isolation and characterization of oxalotrophic bacteria from rhizosphere |
| 8 | Nathiya.T | 2008 | Isolation And Characterization Of Gut Microflora Of Earthworm <i>Eudrilus Eugineae</i> |
| 9 | Shangphung Gachui | 2008 | Microbiological Analysis Of Soft Drinks And Fruit Juices” |
| 10 | Mangalam.H | 2008 | “A Study on Mycoremediation as a Novel Treatment for Textile Mill Effluent” |
| 12 | Chitra | 2008 | Isolation and characterize the dye degrading bacteria from textile mill effluents |
| 13 | Nathiya Devi.R | 2007 | Isolate and Characterize the phosphate solubilizing microorganisms from compost |
| 14 | Prabhu.R.k | 2007 | Isolation and Characterization of Cellulolytic Microorganisms from compost of Agroresdiues |

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| 16 | Hemalalatha. T | 2007 | A Study on Screening and Immobilization of Cellulolytic Microorganisms |
| 17 | Maheshkumar. V | 2007 | A Study on Isolation and Improvement of Cellulolytic Fungi from Compost ff Agrowastes |
| 18 | Sivasankari. M | 2007 | Isolation and Characterization of Lignolytic Microorganisms from Compost of Agroresidues |
| 19 | Selvendran. M | 2006 | Isolation and Characterization of Lignin Degrading Microorganisms from Termite Gut |
| 20 | Mahalakshmi. R | 2006 | Evaluation of Microbial Succession during Vermicomposting |
| 21. | Vanitha. P | 2006 | Isolation and Characterization of Gut of <i>Eisenia fetida</i> |
| 22. | Prameswari. A | 2006 | Microbial production of Ethanol using Kitchen wastes as a an Alternate substrate |
| 23. | Jayapriya | 2006 | Isolation and Partial Characterization of Hydrogen Degrading Microorganisms from Petroleum Polluted Soil |
| 24. | Sudha. P | 2005 | Production of lipase enzyme from bacteria and fungi and a comparative study of lipase activity in wild and mutant strains of <i>Aspergillus niger</i> . |
| 25. | Sankari. C | 2005 | A comparative study on bacterial and fungal protease |
| 26. | Lekshmi. S | 2005 | Isolation and characterization of pesticide degradation from agricultural soil. |
| 27. | Andal Jothi. S | 2005 | Isolation characterization of dye degrading microorganisms from textile |

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|-----|-------------------|------|-------------------------------------------------------------------------------------------------------|
| | | | mill effluent |
| 28. | Anandhi. V | 2005 | A study on the microbial liquefaction of adhesive material |
| 29. | Panneerselvsm. I | 2004 | Isolation and characterization of lipolytic microorganisms from agricultural soil. |
| 30 | Prasath B. | 2004 | Isolation and partial characterization of PHA's producing microorganisms from root nodules. |
| 31 | Nasini. B | 2004 | Isolation and partial characterization of pesticide degrading microorganisms from agricultural soil. |
| 32 | Ramya Pratha. B | 2004 | Isolation of pesticide degrading of microorganisms from grape garden soil. |
| 33 | Marichamy. V | 2004 | Isolation and characterization of biosurfactant producing microorganisms from tannery soil. |
| 34 | Anandha Kumar S. | 2003 | Isolation and partial characterization of endosulfan degrading microorganism from agricultural soil. |
| 35 | Tamil Selvi. P | 2003 | Isolation and partial characterization of herbicide degrading microorganism from agricultural soil. |
| 36 | Dhayanand. K.C | 2002 | Solid waste management in dindigul municipality |
| 37 | Amalthiya Prasath | 2001 | Isolation and partial characterization of pesticide degrading microorganism from estuarine sediments. |

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| 38 | Sheela S. | 2001 | Production of plant growth substances by pseudomonas aeruginosa |
| 39 | Arpita. K | 2001 | Sterility checking of pharmaceutical products |
| 40 | Sowmiya Nagarajan | 2001 | Isolation of mesophilic bacteria from ice cream |
| 41 | Manjusha Warriar V. | 2001 | Production of biosurfactant by bacteria pseudomonas aeruginosa |

9. Research Projects Undertaken

(A) Major Project with details:

Name of the Project : **“Promotion of Oyster, Milky Mushroom Technology for Income Generation among SC/ST Population”.**

Position : **Principal Investigator**

Funding Agency : Department of Biotechnology,
Ministry of Science and Technology,
Government of India,
New Delhi

Total Sanctioned : **10.98 Lacks**

Projects Period : 3 Years (June 2004 – May 2007)

Target Group : SC/ST members

Project Objectives : To train 300 SC/ST populations on the future and prospects of Oyster and Milky mushroom.

(B) Minor Student Project with details:

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| Name of the Project | : A Study on the Preparation of an Effective Microbial Consortium for Rapid Composting Process |
| Position | : Project Guide |
| Funding Agency | : Recognition and Mentoring Programme (L-Ramp) Chennai |
| Total Sanctioned | : Rs. 10,000 /- |
| Projects Period | : 6 months (December 2006 – May 2007) |
| Project Objectives | : “Screen the cellulolytic, lignolytic & phosphate solubilizing microorganisms from the agroresidues and to prepare an effective microbial consortium for rapid composting process”. |

10. List of Publications:

A. In Journals:

1. **Mahalingam, P.U.** and Daniel, T. 2008. *Gut micro flora of earthworm, Eisenia fedita*. J.Environment and Ecology. 26(1A):297-299.
2. **Mahalingam, P.U.** and Daniel, T. 2008. *A study on phosphate solubilizing microorganisms of an orchard eco-system in Tamilnadu*. J. Pure & Appl. Micro. 2(1):219-222.
3. **Mahalingam, P.U.** and Daniel, T 2007. *Isolation and partial characterization of lignin degrading microorganisms from termite gut*. J. Pure & Appl. Micro. 1(2):327-330.

B. In Seminar/Conference proceedings:

1. **Mahalingam, P.U.** and Daniel, T. 2008. *Microbiological evaluation of agro waste composts*. In: Proceedings of National Conference on Environmental Pollution, Management and Sustainable Development, Department of Biology, Gandhigram Rural University, Gandhigram, Tamilnadu. Pp.75-79.
2. Karmegam, N., **Mahalingam, P.U.** and Daniel, T. 2006. *Organic farming with vermicompost as a way for sustainable agriculture*. In: Proceedings of National Seminar on Organic Farming: Trends and Challenges. Arul Anandar College, Madurai, Tamilnadu, Pp.82-84.

C. Research Abstracts Published in Seminars at International/National / Regional / State Levels):

At International Level:

- 1) R.Mahalakshmi., P.U. Mahalingam and Thilagavathy Daniel (2006). Evaluation of microbial succession during vermicomposting. Abstract Proceeding. International Conference “Biotechnology – Promises and Realities”, Organised by Dept of Plant Biology & plant Biotechnology, P.S.g.R. Krishnammal College for Women, Coimbatore, Tamilnadu, India.

At National Level:

- 1 . **Mahalingam P.U** And Thilagavathy Daniel (2008). Isolation and characterization of cellulolytic bacteria from natural sources of decayed organic wastes and the gut of earthworm *Eisenia fetida* savingy for solid waste management. Abstract Proceeding.

National Conference on “Environment Science and Technology”
Organised by Department of Environmental Biotechnology,
Bharathidasan University, Trichy. 28-29, November.

- 2 . **Mahalingam P.U** And Thilagavathy Daniel (2008). Recycling agroresidues using microbial consortium and earthworm *Eisenia fetida* saingy Abstract Proceeding. National Conference on “Environment Science and Technology” Organised by Department of Environmental Biotechnology, Bharathidasan University, Trichy. 28-29, November.
3. B.Sivasankari and **Mahalingam P.U (2008)**. A study on isolation and identification of lingo-cellulolytic and phosphate solubilizing microorganisms from vermicompost. Abstract Proceeding. National Seminar on “Organic Farming and Sustainable Agriculture for Food Security”, Organized by Faculty of Agriculture and Animal Husbandry, Gandhigram Rural University, Gandhigram.
4. **Mahalingam P.U** And Thilagavathy Daniel (2006). Microbiological evaluation of Agrowaste composts. Abstract Proceeding, National Conference on “Envoronmental Pollution Management and Sustainable Development”, Organized by Department of Biology, Gandhigram University, Gandhigram. 14-15 December.
5. Andol Jothi. S and **Mahalingam P.U (2006)**. Evaluation of decolorization of textile mill effluent using microorganisms as an alternate treatment system. Abstract Proceeding, National Conference on “Envoronmental Pollution Management and Sustainable Development”, Organized by Department of Biology, Gandhigram University, Gandhigram. !4-15 December.

6. Lekshmi.S and **Mahalingam.P.U** (2005). *Microbial Transformation of Toxic Metals for Solid Waste Management*. Abstract Proceeding, National Conference on “Advances in Solid Waste Management” Organized by Department of Biology, Gandhigram Rural Institute – Deemed University, Gandhigram. 22nd and 23rd February.
7. R.Kumuthakalavalli, **P.U.Mahalingam** and M.S.Myl Murugan (2005). *Awareness Creation on Agrowaste Recycling through Oyster Mushroom production*. Abstract Proceeding. National Conference on “Advances in Solid Waste Management” Organized by Department of Biology, Gandhigram Rural Institute – Deemed University, Gandhigram. 22rd and 23rd February.
8. **P.U.Mahalingam** and V.Marichamy (2004). *Isolation and Characterization of Biosurfactant Producing Microbes from Tannery Soil*. Abstract Proceeding, UGC-Sponsored National Seminar on “Biodegradation & Bioremediation”, Organized by Department of Biochemistry and Biotechnology, Sourashtra College, Madurai. 17th and 18th September.
9. Nasini.B., Ramya Pradha. B and **Mahalingam.P.U** (2004). *Isolation and Partial Characterization of Pesticide Degrading Microorganism from Agricultural Soil*. Abstract Proceeding, National Seminar on “Rural Biotechnology for Sustainable Development”, Organized by Department of Biology, Gandhigram Rural Institute – Deemed University, Gandhigram. 19th and 20th February.
10. **Mahalingam.P.U** and Thilagavathy Daniel (2004). *Isolation and Characterization of Pesticide Degrading Microorganism from*

Agricultural Soil. Abstract Proceeding, National Seminar on “Rural Biotechnology for Sustainable Development”, Organized by Department of Biology, Gandhigram Rural Institute – Deemed University, Gandhigram. 19th and 20th February.

11. Kumuthakalavalli.R, **Mahalingam. P.U** and Suganthi (2003). *Pleurotus Florida, a Potent Oyster Mushroom for Recycling Agroresidues*. Abstract Proceeding, National Seminar on “Current Environmental Issues”, Organized by Department of Environmental Sciences, Bharathiar University, Coimbatore. 5th March.
12. Thilagavathi Daniel, **Mahalingam. P.U**, Anandakumar. S and Tamil Selvi.P (2003). *Isolation of Pesticide Degrading Microflora from Agricultural Soil*. Abstract Proceeding, National Seminar on “Current Environmental Issues”, Organized by Department of Environmental Sciences, Bharathiar University, Coimbatore. 5th March.
13. Kumuthakalavalli.R, **Mahalingam.P.U** and Manjusha Warriar (2003). *Microbial Biosurfactants and Bioremediation*. Abstract Proceeding, National Seminar on “Current Environmental Issues”, Organized by Department of Environmental Sciences, Bharathiar University, Coimbatore. 5th March.
14. Thilagavathy Daniel, **P.U.Mahalingam**, J.A.John Paul and N.Karmegam (2002). *Recent Trends in Bioscience Research for Rural Development*. Abstract Proceeding, UGC-Sponsored National Seminar on “Status Trends and Supervision of Research in Rural Development”, Organized by Department of Applied Research, Gandhigram Rural Institute – Deemed University, Gandhigram 12th April.

15. Arpita.K and **P.U.Mahalingam** (2000). *Sterility Checking of Pharmaceutical Products*. Abstract Proceeding, National Symposium on Medical, Plant and Industrial Biotechnology, Organized by Department of Biotechnology and Centre for Neuroscience, Cochin University of Science and Technology, Society for Biotechnologists (India) and Neuroscience Society of India, 1st and 2nd December.

16. Sheela.S and **P.U.Mahalingam** (2000). *Production of Plant Growth Substances by Pseudomonas aeruginosa*. Abstract Proceeding, National Symposium on Medical, Plant and Industrial Biotechnology, Organized by Department of Biotechnology and Centre for Neuroscience, Cochin University of Science and Technology, Society for Biotechnologists (India) and Neuroscience Society of India, 1st and 2nd December.

17. Amalthiya Prasad and **P.U.Mahalingam** (2000). *Isolation of Pesticide Degrading Microbes from Estuarine Sediments*. Abstract Proceeding, National Symposium on Medical, Plant and Industrial Biotechnology, Organized by Department of Biotechnology and Centre for Neuroscience, Cochin University of Science and Technology, Society for Biotechnologists (India) and Neuroscience Society of India, 1st and 2nd December.

D. Seminars at Regional Levels:

1 S.Kalaiselvi, Nasini B. and **P.U.Mahalingam** (2004). *Antibacterial Effects of Spices*. Abstract Proceeding, Regional Seminar on “Post-Harvest Technologies for Rural Development”, Organized by Department of Home

Science, Gandhigram Rural Institute – Deemed University, Gandhigram. 12-14, March.

2 P.U.Mahalingam and Sowmya Nagarajan (2004). *Microbiological Assessment in Ice Cream*. Abstract Proceeding, Regional Seminar on “Post-Harvest Technologies for Rural Development”, Organized by Department of Home Science, Gandhigram Rural Institute – Deemed University, Gandhigram. 12-14 March.

3. Mahalingam.P.U , Anandakumar.S, Tamil Selvi.P and Amalthiya Prasad (2003). *Biodegradation of Pesticide and Conservation of Environment*. Abstract Proceeding, Regional Seminar on “People, Plants and Future”, Organized by Centre for Futures Studies and Department of Biology, Gandhigram Rural Institute – Deemed University, Gandhigram. 21st and 22nd February.

At State Levels:

1. Umapathi M., **Mahalingam P.U** And Thilagavathy Daniel (2005). *Biodegradation of Municipal Solid waste using fungal isolates of Vermicompost*. Abstract Proceeding, State Level Symposium on vermicomposting Technology for Rural Development. Organised by PG Department of Zoology, Vivekananda College, Tiruvedakam West and School of Biological Sciences, Madurai Kamaraj University, Madurai. 22 -23 December.
3. **P.U.Mahalingam** and S.Sheela (2003). *Production of Plant Growth Regulators by Pseudomonas aeruginosa*. Abstract Proceeding, UGC-Sponsored State Level Seminar on “Indigenization of Indian Farming: Problems and Prospects”, Organized by the Faculty of Agriculture and

Animal Husbandry, Gandhigram Rural Institute – Deemed University,
Gandhigram. 7th and 8th March.

11.Short Term Courses / Symposium / Conferences / Training organised

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| <p>(a) Short Term Courses / Symposium / Conferences attended International Level</p> <p>1. International Conference on “Biotechnology – Promises & Realities”,organized by Department of Plant Biology & Plant Biotechnology, P.S.G.R.Krishnammal College for Women,Coiambatore.</p> | 14.07.2006 | 15.07.2006 | 2 days |
| <p>(b) National Level</p> <p>1. National Seminar on “Issues and Impact of Climate Change on Community”, Organised by WASH Institute, Kodaikanal and coordinated by Faculty of Agriculture and Animal Husbandry, Gandhigram Rural University, Gandhigram.</p> <p>2. Science Conclave: A Congregation of Nobel Prize Winners, Organised by Indian</p> | 20.03.2009 | 21.03.2009 | 2 days |
| | 15.12.2008 | 21.12.2008 | 7 days |

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| Institute of Information Technology, Allahabad, Utter Pradesh | | | |
| 3. National Conference on “Environment Science and Technology” Organised by Department of Environmental Biotechnology, Bharathidasan University, Trichy. | 28.11.2008 | 29.11.2008 | 2 days |
| 4. National Seminar on “Food Processing Industry in India: Growth Potential and Challenges”, Organised by Department of Rural Industries and Management, Gandhigram Rural University, Gandhigram. | 22.10.2008 | 23.10.2008 | 2 days |
| 5. National Seminar on “Organic Farming and Sustainable Agriculture for Food Security”, Organized by Faculty of Agriculture and Animal Husbandry, Gandhigram Rural University, Gandhigram. | 29.02.2008 | 01.03.2008 | 2 days |
| 6. National Biotechnolgy | | | |

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| <p>Conference, organised by Department of P.G.Studies & Research in Botany, Sanatana Dharma College, Alappuzha, Kerala.</p> | 09.02.2007 | 11.02.2007 | 3 days |
| <p>7. National Seminar on ICT Related Research on “Serving Farmers and Saving Farming”, Organized by Department of Applied Research, Gandhigram Rural Institute – Deemed University, Gandhigram.</p> | 20.12.2006 | 21.12.2006 | 2 days |
| <p>8. National Conference on “Environmental Pollution Management and Sustainable Development”, Organized by Department of Biology, Gandhigram University, Gandhigram.</p> | 14.12.2006 | 15.12.2006 | 2 days |
| <p>9. National Seminar on “Organic Farming:Trends and Challenges”, organized by Department of Rural Development science, Arul Anandar College, Karumathur,</p> | 27.09.2006 | 28.09.2006 | 2 days |

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| Madurai. | | | |
| 10. Task Force Meeting on “Aquaculture and Marine Biotechnology”, Conducted by Department of Biotechnology, New Delhi. | 29.04.2005 | --- | 1 day |
| 11. National Conference on “Advances in Solid Waste Management”, Organized by Department of Biology, Gandhigram Rural Institute – Deemed University, Gandhigram. | 22.02.2005 | 23.02.2005 | 2 days |
| 12. XXVIII (28 th) Indian Social Science Congress, Organized by Gandhigram Rural Institute – Deemed University, Gandhigram. | 16.01.2005 | 20.01.2005 | 5 days |
| 13. UGC-Sponsored National Seminar on “Biodegradation & Bioremediation”, Organized by Department of Biochemistry and Biotechnology, Sourashtra College, Madurai. | 17.09.2004 | 18.09.2004 | 2 days |

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| <p>14. National Seminar on “Rural Biotechnology for Sustainable Development”, Organized by Department of Biology, Gandhigram Rural Institute – Deemed University, Gandhigram.</p> | 19.02.2004 | 20.02.2004 | 2 days |
| <p>15. National Seminar on “Current Environmental Issues”, Organized by Department of Environmental Sciences, Bharathiar University, Coimbatore.</p> | 05.03.2003 | --- | 1 day |
| <p>16. UGC-Sponsored National Seminar on “Status Trends and Supervision of Research in Rural Development”, Organized by Department of Applied Research, Gandhigram Rural Institute – Deemed University, Gandhigram.</p> | 12.04.2002 | --- | 1 day |
| <p>(c) Regional Level</p> | | | |
| <p>1. Regional Workshop on “Impact of Mushroom Training and</p> | 31.01.2008 | ---- | 1 day |

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| <p>Evolving Strategies to Promote mushroom Trade”, Organized by Department of Biology, Gandhigram Rural University, Gandhigram.</p> | | | |
| <p>2. Regional Seminar on “Schemes for Women Coverage and its Impact on Target Groups”, Organized by Department of Home Science, Gandhigram Rural University, Gandhigram.</p> | 21.02.2007 | 22.02.2007 | 2 days |
| <p>3. Regional Seminar on ‘Pandemic Diseases & Management”, Organized by Department of Biology, Gandhigram Rural Institute – Deemed University, Gandhigram.</p> | 23..02.2006 | --- | 1 day |
| <p>4. Regional Seminar on “Post-Harvest Technologies for Rural Development” , Organized by Department of Home Science, Gandhigram Rural Institute – Deemed University, Gandhigram</p> | 12.03.2004 | 14.03.2004 | 3 days |
| <p>5. Regional Seminar on “People,</p> | | | |

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| Plants and Future”, Organized by Centre for Futures Studies and Department of Biology, Gandhigram Rural Institute – Deemed University, Gandhigram. | 21.02.2003 | 22.02.2003 | 2 days |
| (c) State Level | | | |
| 1. State level symposium on “Vermicomposting Technology for Rural Development”, organized by PG Department of Zoology, Vivekananda College, Tiruvedakam, Madurai. | 22.12.2005 | 23.12.2005 | 2 days |
| 2. UGC-Sponsored State Level Seminar on “Indigenization of Indian Farming: Problems and Prospects”, Organized by the Faculty of Agriculture and Animal Husbandry, Gandhigram Rural Institute – Deemed University, Gandhigram. | 07.03.2003 | 08.03.2003 | 2 days |
| 3. State Level Workshop (BIO EXPO- 2001) on “Laboratory Methods in Biotechnology”, Organized by Department of | 28.03.2001 | 29.03.2001 | 2 days |

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| Biotechnology, D.G.Vaishnav College, Arumpakkam, Chennai. | | | |
| (d) Local Level | | | |
| 1. One Day Workshop on CBCS (Choice Based Credit System), Organised by the Controller of Examinations, Gandhigram Rural University, Gandhigram 624 302. | 26.06.2009 | -- | One day |
| 2. One Day Training on Vermicomposting, Organised by Department of Soil and Environment, Agricultural College and Research Institute, Tamilnadu Agricultural University, Madurai. | 24.03.2009 | -- | One day |
| 3. Workshop on “Electrophoretic and Immunological Techniques (WEIT)”, organized by P.G.Department of Zoology, Jamal Mohamed College.Trichy. | 26.12.2006 | 30.12.2006 | 5 days |
| 4. ICMR-Sponsored Workshop on “Medicinal Plants – Perspectives, Prospects and Challenges”, Organized by Department of Chemistry, Gandhigram Rural | 20.12.2003 | 21.12.2003 | 2 days |

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----|-------|
| Institute – Deemed University, Gandhigram. | | | |
| Workshop on “ Designing Extension Programmes”, Organized by Adult Continuing Education and Extension, Gandhigram Rural Institute – Deemed University, Gandhigram. | 21.03.2002 | --- | 1 day |

12. Training Programmes Conducted:

| Particulars | Period | | No. of Days |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-------------|
| | From | To | |
| 1. Expert Member of the “ On hands Training Programme in Microbial Techniques ”, Conducted for the 38 students of Jeyarai Annapakkiam College for Women, Periyakulam, Organized by the Department of Biology, Gandhigram Rural Institute – Deemed University, Gandhigram. | 04.02.2002 | 15.02.2002 | 12 days |
| 2. One day hands on training on “ Plasmid Isolation, PCR and Electrophoretic Techniques ” Organised for P.G., Students, Department of Biology, GRU, | 02.03.2009 | -- | One day |

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|---------|
| Gandhigram. | | | |
| 3. As Principal Investigator of the DBT-Sponsored Project entitled “ Promotion of Oyster, Milky Mushroom Technology for Income Generation among SC/ST Population ”. offered Mushroom Training for 300 Rural SC/ST population in 12 batches the | | | |
| Batch I (20 participants) | | | |
| Batch II (20 participants) | 01.11.2004 | 17.11.2004 | 15 days |
| Batch III (40 participants) | 15.12.2004 | 30.12.2004 | 15 days |
| | 25.04.2005 | 08.05.2005 | |
| Batch IV (20 participants) | | &13.05.2005 | 15 days |
| Batch V (20 participants) | 27.05.2005 | 10.06.2005 | 15 days |
| Batch VI (40 participants) | 05.10.2005 | 21.10.2005 | 15 days |
| Batch VII (30 participants) | 12.12.2005 | 27.12.2005 | 15 days |
| Batch VIII (30 participants) | 15.05.2006 | 29.05.2006 | 15 days |
| Batch IX (22 participants) | 15.06.2006 | 29.06.2006 | 15 days |
| Batch X (23 participants) | 08.12.2006 | 22.12.2006 | 15 days |
| Batch XI (39 participants) | 26.02.2007 | 12.03.2007 | 15 days |
| Batch XII (16 participants) | 09.04.2007 | 23.04.2007 | 15 days |
| | 02.05.2007 | 16.05.2007 | 15 days |

13. Memberships in Scientific Bodies / Associations

- Life time Member in Biotechnology Association, Cochin, Kerala.

1 4. Resource Person (Guest Lectures delivered)

- 2) Served as **Resource Person for Content Enrichment Training** offered for School Teachers of Nilakottai Block, Organised by SARVA SHIKSHA ABIYAN, Block Resource Centre, Nilakottai, Dindigul District on 30.06.2009.
- 3) Served as **Resource Person for Content Enrichment Training** offered for Upper Primary School Teachers of Dindigul Urban, Organised by SARVA SHIKSHA ABIYAN, Urban Resource Centre, Dindigul on 06.02.2009.
- 4) Served as **Resource Person for In-Service Training programme** offered for the Tamil plantation School Teachers of **UpCountry, SRI LANKA**, Organised by Indian High Commission, Kandy, Sri Lanka during 20-08-2008 to 31.08 2008(12 days)
- 5) Served as **Chief-guest and delivered an inaugural address** on the occasion of Inauguration of Biological Science Association, organized by Lakshmi College of Education, Gandhigram on 06.02.2008.
- 6) Served as **Chair- Person** in one of the technical session of UGC-Sponsored National Seminar on “Biodegradation & Bioremediation”, Organized by Department of Biochemistry and Biotechnology, Sourashtra College, Madurai on 05.03.2003
- 7) Member and Served as a **Rapporteur** for Session II of paper presentation, National Conference on Advances in Solid Waste Management, Organized by Department of Biology, Gandhigram Rural Institute-Deemed University, Gandhigram. 19-20 February 2005.
- 8) **Chairperson** for the paper presentation session in UGC Sponsored National Seminar on Biodegradation and Bioremediation, Organized by Department of Biochemistry and Biotechnology, Sourashtra College, Madurai. 17-18 September 2004.

- 9) Member and Served as a **Rapporteur** for Session IIIA of paper presentation, National Seminar on Rural Biotechnology for Sustainable Development, Organized by Department of Biology, Gandhigram Rural Institute-Deemed University, Gandhigram. 19-20 February 2004.
- 10) Served as a **Rapporteur** for the Technical Sessions: Concept of Ethanobotany, Traditional Knowledge in Biodiversity Conservation and Anthropological Sociology and. Biodiversity Conservation. Regional Seminar on “People, Plants and Future”, Organized by Centre for Futures Studies and Department of Biology, Gandhigram Rural Institute-Deemed University, Gandhigram. 21-22 February 2003.

15. Reviewer for Journals

-- Nil--

16. Recognition

-- Nil--

17. Committee Member

- i. **Member** in Accommodation Committee for “**South Zone Vice-Chancellor’s Conference**”, Organized by Gandhigram Rural Institute-Deemed University, Gandhigram. October 2003.
- ii. **Member** and Convener (Hall arrangement and Decoration) in **National Science Day Celebration**, Organized by Gandhigram Rural Institute-Deemed University, Gandhigram since 2002.

iii. **Committee Member** in Selecting Lecturer for M.Sc., Microbiology Programme, Dept of Biology, Gandhigram Rural Institute-Deemed University, Gandhigram.

iv. **Purchase committee member** in Dept of Biology, Gandhigram Rural Institute-Deemed University, Gandhigram.

17. Fellowships Received

-Nil-

18. Foreign Countries Visited

Dr.P.U.Mahalingam Lecturer (S.S) in Biology has served as **Resource Person for In-Service Training Programme** offered for the Tamil plantation Shool Teachers in the **UpCountry of SRI LANKA**, Organised by Indian High Commission, Kandy, Sri Lanka during 20-08-2008to 31.08.2008 (12 days)

19. Administrative Experience

| S.No | Position Held | Institution / University | Periods | Nature of Duties |
|-------------|--------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| 1. | Lecturer (S.S) & Head i/c, Dept of Biology | Gandhigram Rural Institute – Deemed University, Gandhigram | May –June 2008 (2 months) | Conducting Entrance Examination and Admission Work for M.Sc., Botany/ Zoology/Microbiology Programmes |
| 2. | Principal Investigator – DBT Project | Mushroom Centre, Dept. of Biology, Gandhigram Rural Institute – Deemed University, Gandhigram. | 01.03.2004 to 20.07.2007 (3 years) | Mushroom Cultivation Trainings for Rural SC/ST Population |
| 3. | NSS Programme Officer | Asan Memorial College of Arts and Science Chennai. | 01.09.2002 to 31.12.2001 (1.4 years) | Extension activities |
| 4. | Deputy Chief Examiner – External Valuation | Gandhigram Rural Institute – Deemed University, Gandhigram | 07.12.2002, 08.12.2002, 14.12.2002 & 15.12.2002 (4 days) | Assisting Chief Examiner for Central Valuation |
| 5. | Deputy Chief Superintendent | Gandhigram Rural Institute – Deemed University, | 27.10.2009 To 13.11.2009 | Assisting Chief Examiner for conducting End |

| | | | | |
|----|--------------------------------|---------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------|
| | | Gandhigram | (18 days) | Semester Examination |
| 6. | Deputy Chief Superintendent | Gandhigram Rural Institute – Deemed University, Gandhigram | November 2005 | Assisting Chief Examiner for conducting End Semester Examination |
| 7. | Deputy Chief Superintendent | Gandhigram Rural Institute – Deemed University, Gandhigram | 23.04.2009 To 30.04.2009 | Assisting Chief Examiner for conducting End Semester Examination |

20. Others:

Extension Activities:

| Nature of Extension work done | From | To | No. of Days |
|---------------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------------|
| 1. Extension through Major Funded Project - Conducted mushroom training for 300 SC/ST members in 12 batches. | 01.11.2004 | 17.11.2004 | 15 |
| | 15.12.2004 | 30.12.2004 | days |
| | 25.04.2005 | 08.05.2005 | 15 |
| | | &13.05.2005 | days |
| | 27.05.2005 | 10.06.2005 | |
| | 05.10.2005 | 21.10.2005 | 15 |
| | 12.12.2005 | 27.12.2005 | days |
| | 15.05.2006 | 29.05.2006 | 15 |
| | 15.06.2006 | 29.06.2006 | days |
| | 08.12.2006 | 22.12.2006 | 15 |
| | 26.02.2007 | 12.03.2007 | days |
| | 09.04.2007 | 23.04.2007 | 15 |
| 02.05.2007 | 16.05.2007 | days | |

| | | | |
|-------------------------------------------------|------------|------------|------|
| <p>2. Village Placement Programme</p> | | | 15 |
| <p>for PG students organized /</p> | | | 15 |
| <p>attended:</p> | | | days |
| <p>i) Sirumalai</p> | 23.01.2002 | 26.01.2002 | 15 |
| <p>ii) Sivalsaragu</p> | 18.12.2002 | 21.12.2002 | days |
| <p>iii) Kunuvarankottai</p> | 23.01.2003 | 26.01.2003 | 15 |
| <p>iv) Kuttaladampatti</p> | 13.10.2003 | 19.10.2003 | days |
| <p>v) Kuttaladampatti</p> | 21.08.2005 | 27.08.2005 | 15 |
| <p>vi) Athoor</p> | 02.10.2006 | 08.10.2006 | days |
| <p>vii) Kuttaladampatti</p> | 20.09.2008 | 27.09.2008 | 15 |
| <p>viii) Athoor</p> | 20.09.2009 | 21.09.2008 | days |
| <p>3. Coordinated the Extension work</p> | July 2002 | Nov. 2002 | |
| <p>(course paper) for Students of</p> | July 2003 | Nov. 2003 | |
| <p>M.Sc. applied Biology and M.Sc.</p> | July 2004 | Nov. 2004 | |
| <p>Microbiology programmes at</p> | 12.08.2005 | 02.09.2005 | 4 |
| <p>various schools and villages.</p> | July 2006 | Nov. 2006 | days |
| | July 2007 | Nov. 2007 | 4 |
| | July 2008 | Nov. 2008 | days |
| | | | 4 |
| | | | days |
| <p>4. Creation of Model Village</p> | 25.01.2005 | 30.01.2005 | 7 |
| <p>Programme</p> | | | days |
| | | | 7 |
| | | | days |
| | | | 7 |
| | | | days |

| | | | |
|--|--|--|------------|
| | | | 7 days |
| | | | 2 days |
| | | | 12 days |
| | | | 12 days |
| | | | 12 days |
| | | | 5 days |
| | | | 12 days |
| | | | 12 days |
| | | | 12 days |
| | | | 6 days |

Others:

- ♦ Served as a **External Practical Examiner** in Biology for +2 dropout student Conducted by Centre for National open Schooling, Gandhigram Rural Institute-Deemed University, Gandhigram. May 2005.
- ♦ Served as a **External Practical Examiner** for M.Sc Microbiology programme in Hindustan College of Arts and Science, Chennai. March 2001
- ♦ Member of **Question paper board** in Gandhigram Rural Institute-Deemed University, Gandhigram and **Question paper setter** for Madura College, Madurai, Mother Teresa University, Kodaikanal and M.S University, Trinelveli.
- ♦ Member in **Coaching Centre for Professional Course Entrance Examination** (CCPCEE) for Rural Students, Gandhigram Rural Institute-Deemed University, Gandhigram.
- ♦ Organized **community prayer** and Morning Prayer on behalf of Department of Biology since 2002.
- ♦ Hall superintendent for **Tamilnadu Professional Entrance Examination, Tamilnadu B.Ed. Entrance Examinations** held at GRI since 2002.
- ♦ Faculty member (subject expert) in UGC Sponsored Certificate on **Biomanure Technology**, to be conducted by Department of Biology, Gandhigram Rural Institute-Deemed University, Gandhigram.

- ◆ Member in **Biofest** (Programme of Intercollegiate Competition), Organized by Department of Biology, Gandhigram Rural Institute-Deemed University, Gandhigram. 12th March 2002, 06th February 2003, 11 February 2004 and 08th February 2005.
- ◆ Member in **Biology Association** (Intra-Departmental Competition), Organized by Department of Biology, Gandhigram Rural Institute-Deemed University, Gandhigram.
- ◆ Regular **Guru Kula** meeting with students of M.Sc. Microbiology and M.Sc. Applied biology programme from 2002 to till date.
- ◆ Organized the **field visits** for the students of I-M.Sc (Applied Biology) during odd semester since 2002.
