

Dr.M.Razia
Assistant Professor
Department of Biotechnology
Mother Teresa Women's University
Kodaikanal



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EDUCATION :M.Sc (Lifesciences),Ph.D,PGDBI(Bioinformatics)

POSTITIONS HELD

Academic : **Assistant Professor**

MEMBERSHIP IN ACADEMIC BODIES: Board of Studies, Department of Biotechnology,Bharathidasan University,Tiruchirappalli.

EXECUTIVE MEMBERSHIP IN SOCIAL BODIES : Nil

MEMBERSHIP IN PROFESSIONAL BODIES : Bose Society of Science, Pharma Research Library, Indian Science Congress, Association of Microbiologist of India

PROJECTS COMPLETED -Nil

ONGOING PROJECTS : UGC Project (2013-2016)

- UGC- sanctioned about Rs.7,49,000 for the major research project entitled “Screening of Potential Entomopathogenic nematodes of Kodaikanal Hills for control of Vegetable Crop pest”- 2013-2016.

RESEARCH EXPERIENCE : 8 Years

AWARDS AND HONOURS :

Best Paper Award (Oral Presentation). Phytochemical Screening and Antimicrobial evaluation of *Datura metel* leaf extract. National Seminar on Medicinal plant diversity: Threats, Conservation and Prospectives. March 1st 2013. Department of Botany, Arulmigu Palaniandavar Arts College for Women, Palani.

Junior Research Scholar (JRF, 2009-2010) - Award of Project Fellowship, Bharathidasan University, Tiruchirappalli.

University Research fellowship (URF, 2006-2009) - Award of University Fellowship in Science, Mookapillai Centenary Commemoration Endowment, Bharathidasan University, Tiruchirappalli.

PUBLICATIONS

- 1. Razia M**, Karthik Raja R, Padmanaban K, Chellapandi P and Sivaramakrishnan S (2010). A phylogenetic approach for assigning function of β -ketoacyl synthase I in Entomopathogenic bacteria (*Photorhabdus luminescens* subsp. *laumondii* TT01). Journal of Computer Science and System Biology 3(1): 021-029.
- 2. Razia M**, Padmanaban R, Karthik Raja R, Chellapandi P, Sivaramakrishnan. 2011. PCR-RFLP pattern analysis of Entomophilic nematodes isolated from Agro-ecosystem for implicating their genetic diversity. Mun. Ent. Zool. Vol. 6(1): 404-411.
- 3. Razia M**, Padmanaban R, Karthik Raja R, Chellapandi P, Sivaramakrishnan. 2011. Monitoring Entomophilic Nematodes as Ecological Indicators in the Cultivated Lands of Karur District, Tamil Nadu: a Survey Report. Electronic Journal of Biology, Vol. 7(1): 16-19.
- 4. Razia M**, Padmanaban R, Karthik Raja R, Chellapandi P, Sivaramakrishnan S. 2011. 16S rDNA-based phylogeny of entomopathogenic nematode bacterial nonsymbionts from infected insect cadavers. Genomics Proteomics and Bioinformatics. Vol. 9(3): 104-112.
- 5. Razia M**, Padmanaban R, Karthik Raja R, Chellapandi P, Sivaramakrishnan S. 2012. Evaluating Heavy Metal Stress Responses of Entomophilic nematode *Steinernema glaseri* in the Agro-ecosystem of Tamil Nadu. Journal of Advanced Developed Research. Vol.3 (1): 49-51.
- 6. Karthik RR, Razia M**, Chellapandi P and Sivaramakrishnan S. 2012. Survey and Assessment of Soil Nematodes in Tsunami Impacted Agricultural Areas of South India. Journal of Advanced Developed Research. Vol.3 (1): 40-44.
- 7. Razia M**, Rajkuberan C, Chellapandi P and Sivaramakrishnan S. 2012. Agriculture Practices Diminished the Entomophilic Nematode Diversity in Karur District of Tamil Nadu, India. Journal of Advanced Developed Research. Vol. 3 (1): 45-48.
- 8. Razia M**, Karthiga V, Lavanya K, Deboral P, Bernala W. 2013. Phytochemical screening and antibacterial activity of methanol extract of *Tridax procumbens*. International Journal of Pharmacy and Biological Sciences. Vol. 3(1) :521-524.
- 9. Razia M**, Sowmiya Rajalakshmi B, Lavanya K, Karthiga V, Bernala W, Deboral P. 2013. GC-MS, FTIR and *in vitro* antibacterial activity of *Abutilon indicum*. International Journal of Biological & Pharmaceutical Research. Vol.4(4): 256-260.
- 10. Razia M**, Karthiga V, Thamaraiselvi C, Saira Banu S.H, Paul Evangelin Shavisha L, Bernala W. *Vetiveria zizanioides* and *Terminalia chebula* as alternative natural adsorbent for drinking water treatment. 2013. International Journal of Research and Development in Pharmacy and Life Sciences. Vol 3 (3): 978-982.

11. Razia M, Beulah Sivaramakrishnan S. 2014. Phytochemical, GC-MS, FT-IR analysis and Antibacterial activity of *Passiflora edulis* of Kodaikanal Region of TamilNadu. Vol 3 (9): 435-441.

12. Razia M, Karithga V, Bernala W, Paul Evangelin Shavisha L, Saira Banu S.H. 2014. *In vitro* antioxidant and antibacterial activity of leaf extract of *Passiflora ligularis*. World Journal of Pharmacy and Pharmaceutical Sciences. Vol. 3(3): 1124-1129.

13. Razia M, Sivaramakrishnan S. 2014. International Journal Current Microbiology Applied Science. Isolation and Identification of Entomopathogenic Nematodes of Kodaikanal Hills of South India. Vol (3) 10: 693-699.

SEMINARS, CONFERENCES AND WORKSHOPS

National

Entomopathogenic nematodes as an Ecological indicator in Soil Ecosystem presented in National Conference on Social work approaches towards climate change & Disaster Management on 19th September 2013. Department of Social Work, Kodaikanal Christian College, Kodaikanal.

Isolation, Characterization of Feather degrading bacteria presented in National conference on “New Frontiers in Biology” Department of Plant Biotechnology, Jayaraj Annabakiyam College, Periyakulam on 18th & 19th December- 2012.

Phytochemical Screening and Antimicrobial evaluation of *Datura metel* leaf extract presented in National Seminar on Medicinal plant diversity: Threats, Conservation and Prospectives. 1st March 2013. Department of Botany, Arulmigu Palaniandavar Arts College for Women, Palani.

Study on chemical constituents of *Lantana camera* presented in National Conference on “Research Trends in inorganic Chemistry” on 19th March 2013. Department of Chemistry, Mother Teresa Women University, Kodaikanal.

Potential source of Human Health presented in Advances in Biotechnology and Biopharmaceutical technology”(NSABBT-2013) on 6th March 2013. Department of Biotechnology, Mother Teresa Women University, Kodaikanal

International

Antioxidant activity and Mosquitocidal activity of *Allium sativum* of Kodaikanal Hilly Areas presented in International conference on Innovations and Future Research Dimensions on NanoBiopharmaceutical Technology on 7-8th October 2014. Department of Pharmaceutical Technology, Tiruchirappalli.

Assessment of antioxidant and antimicrobial activity of *Brugmansia suaveolens* in Kodaikanal Region presented in International conference on Emerging Trends in Science and Management on 28th August 2014. Department of Home Science, Mother Teresa Women's University, Kodaikanal and Department of Costume design and Fashion, Hindusthan College of Arts and Science, Coimbatore.

Role of Biotechnology in Women Employment presented in International conference on Social Exclusion and Inclusion of Women on 20th and 21st August 2013, Centre for Women's Studies, Alagappa University and Mother Teresa Women's University, Karaikudi.

Phytochemical, GC-MS and Antioxidant property of *Allium Sativum* presented in International conference on Advances in Biotechnology and Patenting on 18th -21st February 2013, School of Biotechnology and School of Chemistry, Bharathidasan University, Tiruchirappalli, Tamilnadu.

Bioefficacy of *Heterorhabditis indica* and *Steinernema* sp. against *Reticulitermes* presented in International conference on Impact of climate change on Biodiversity of Insects and Environment on August 2011, Bharathithar University, Coimbatore, Tamilnadu.

Entomopathogenic Nematodes and its role in Soil environment presented in International seminar on Emerging Trends in Life Science on 18th August 2011. Navarasam Arts and Science College, Erode.

Isolation and Characterization antibacterial activity of symbiotic bacteria of entomopathogenic nematodes presented in International conference on Climate change and Bioresource on 9th-12th February 2010, Bharathidasan University, Tiruchirappalli, Tamilnadu.

Agriculture practices diminished the Entomophilic nematode diversity in Karur district of Tamil nadu, India presented in 7th International Symposium on Advanced Environmental Monitoring on 25th-28th February 2008, Hawaii, USA.

Neem Enhances the Persistence and Infectivity of *Steinernema carpocapsae* in the pesticides and fertilizer toxicity against *Holostrica serrata* in sugarcane field presented in International conference on Biotechnological Approaches in Bioresource Management on 23rd -26th January 2007, Bharathidasan University, Tiruchirappalli, Tamilnadu.

Poster Presentation

M.Razia. Phytochemical analysis, antioxidant and antimicrobial activity of *Passiflora mollissima*. January 30th-31st, 2013. National Seminar on Biotechnological Intervention in Plant and Microbial Interaction for crop Sustainability, Department of Biotechnology, Periyar University, Salem.

M.Razia. Soil Enrichment for improvement of Food Production in an Agro ecosystem. National Conference on Career and Research Trends in Food Processing, June 24th-25th, 2011. Thanjavur, TamilNadu.

Workshop /Training

Workshop on Mushroom Technology – Lab to Market on 20th-22nd, August 2014, Department of Biotechnology, Mother Teresa Women's University, Kodaikanal and Women's Christian College, Nagarcoil.

Training Programme on Bombay Shola, 10th September 2014. TamilNadu Forest Department and Social Advertisers (Awareness), Kodaikanal.

Training Programme on Bombay Shola, 9th August 2014. TamilNadu Forest Department and Social Advertisers(Awareness), Kodaikanal.

Training Programme on System Troubleshooting, 1st -8th August 2014. Department of Computer Science, Mother Teresa Women's University, Kodaikanal.

Lecture Workshop on Recent Trends in Chemistry, April 4th -6th, Mother Teresa Women's University, Department of Chemistry, Kodaikanal.

Orientation Course Programme, November 6th - December 3rd, 2013. Bharathidasan University, Tiruchirappalli.

Orientation Program for New Faculty Members of Mother Teresa Women's University, 7th February 2014, Kodaikanal.

State Level NSS Training Program. 13th -19th December, 2013. NSS-Empanelled Training Institution, Avinashilingam University, Coimbatore.

One day Entrepreneurship Training Programme on Preparation of Domestic Cleaning Agents on 31st July 2013. Department of Chemistry, Mother Teresa Women's University, Kodaikanal.

National Level Workshop on Research Methods in Food Technology, 23rd September 2013. Sponsored by Entrepreneurship development cell Department of Home Science, Mother Teresa Women's University, Kodaikanal.

Faculty development programme in E content Development Training sponsored by Curriculum Development Cell, 4th & 10th September 2013. Entrepreneurship Development Cell. Mother Teresa Women's University, Kodaikanal.

National Workshop on Recent Trends in Physics. 30th September, 2013. Department of Physics, Mother Teresa Women's University, Kodaikanal.

Workshop on Research in Crystal Growth Processes and Methods. 23rd -24th September 2013. Department of Physics, Mother Teresa Women's University, Kodaikanal.

Entrepreneurship Training Programme on Preparation of Electronic circuit Model. 12th-13th September 2013. Entrepreneurship development cell and Department of Physics, Mother Teresa Women's University, Kodaikanal.

Workshop on Ethics in Biological Science research Related to Health. sponsored by Curriculum Development Cell on 2-3rd,2013.Department of Biotechnology, Mother Teresa Women's University, Kodaikanal.

National workshop on "Theory and Research methods in sciences" sponsored by Curriculum Development Cell, 14th & 20th September 2013. Department of Biotechnology, Mother Teresa Women's University, Kodaikanal.

National Workshop on Tuning Scientific Research Towards Industrial Needs "Theory and Research methods in Sciences" sponsored by Curriculum Development Cell,5th -11th Oct 2013 organized by Dept. of Biotechnology , Mother Teresa Women's University, Kodaikanal.

Workshop on "Forefront women Achievers – Oppurtunities and Challenges"- 23rd Sep.2012. Mother Teresa Women's University, Kodaikanal.

National seminar cum workshop on Molecular Informatics and Drug Designing, 19th -21st March 2012,Thiagarjar College, Madurai.

Faculty Development Programme in Entrepreneurship, Feb 6th-18th ,2012, Mother Teresa Women's University, Madurai.

Summer School on Writing Research Proposals, May 21-30th ,2012. UGC-Networking Resource Centre in Biological Sciences, School of Biological Sciences, Madurai Kamaraj University,Madurai.

National Workshop on Intellectual Property Rights – Opportunities, Issues and Challenges. August 11th -12th 2011, Bharathiar University, Coimbatore, Tamilnadu.

Staff Development Programme on Advances in Modern ImmunoTechology and Research 5th - 18th July 2011,Karunya University, Coimbatore, Tamilnadu.

Workshop on Access to Library Networks and Scholarly Databases. 16th-17th December 2010,Bharathidasan University, Trichirappalli, Tamilnadu.

Explore Statistical Analysis for Research Reporting. Bharathidasan University, 2nd-5th January 2009, Trichirappalli, Tamilnadu.

International Workshop cum Seminar on Advances in Modern Biotechnology and Molecular Techniques in veterinary Parasitology. 17th-21stMarch 2008, Alagappa University, Karaikudi.

Training Program on Entomopathogenic Nematodes in Sugarcane Breeding Institute, 2nd-21st April 2007, Coimbatore, Tamilnadu.

National level Workshop on Recent Trends in Agricultural Microbiology, A.V.V.M Sri Pushpam College, 4th-6th October 2002, Thanjur, Tamilnadu.

Training program on Plant Tissue Culture, May-June 2002, Bharathidasan University, Trichirappalli, Tamilnadu.

INNOVATIONS & CONTRIBUTIONS : NSS Program Officer, Mother Teresa Women's University College, Kodaikanal

TRAINING AND EXTENSION PROGRAMME :

- Extra circular Development Cell Sponsored Training Programme on Apiculture, Department of Biotechnology, Mother Teresa Women's University, Kodaikanal on 6th - 7th August, 2013 organized by Dept. of Biotechnology and sponsored by EDC cell at Mother Teresa Women's University, Kodaikanal.

Ph.D Guiding

Part Time: 2

Full Time: 1