



## DR. M. MEERAMAIDEEN

ASSISTANT PROFESSOR | DEPARTMENT OF ZOOLOGY  
JAMAL MOHAMED COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI.

### CONTACT

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MM TAMIL BIOLOGY

### AREA OF SPECIALIZATION

- ✓ Radiation Biology
- ✓ Colorectal Cancer Biology
- ✓ Vector Biology
- ✓ Nanotoxicology

### COLLEGE RESPONSIBILITY

- ✓ Member, Civil Service Examination Study Centre
- ✓ Member, Organic and Green Campus Committee
- ✓ DBT STAR Scheme - Department Co-ordinator

### RESEARCH

- ✓ Papers Published - 15
- ✓ Papers Presented - 06
- ✓ Patent filed - 01
- ✓ Genbank Submission - 05
- ✓ M.Phil., Guided - 12
- ✓ Ph.D., Scholars - 03
- ✓ M.Sc., Guided - 15

### AWARDS & PRIZES

- ✓ Dr. Alagirsamy Gold medal for PG 1st rank, JMC
- ✓ URE - 3<sup>rd</sup> Rank, in Bharathidasan University.

### EXPERIENCE

ASSISTANT PROFESSOR •  
JAMAL MOHAMED COLLEGE • 16.06.2008 – 01.12.2013 (SF)  
02.12.2013 - TILL DATE (AIDED)

### EDUCATION

DOCTORATE •  
Jamal Mohamed College (Autonomous), Bharathidasan University,  
June -2013

MASTER OF PHILOSOPHY.  
Jamal Mohamed College (Autonomous), Bharathidasan University,  
December -2007

MASTER OF SCIENCE.  
Jamal Mohamed College (Autonomous), Bharathidasan University,  
April – 2006

BACHELOR OF SCIENCE.  
Jamal Mohamed College (Autonomous), Bharathidasan University,  
April – 2004

### EDC & DIPLOMA

Bio Process Technology as Extra Diploma Course, conducted by the Department of Eco-Biotechnology, Bharathidasan University, Tiruchirappalli.

Diploma in Deeniyath (Moral) Education, Awarded by the Department of Human Excellence, Jamal Mohamed College, Tiruchirappalli, February, 2006

## RESEARCH PUBLICATION:

1. A Post-Tsunami Study on the Distribution and Bioaccumulation of Natural Radionuclides in Pichavaram Mangrove Environment (South East Coast of India) and Dose Transfer to Local Human Population. Published in the Journal of Radiation Protection and Environment. Vol.1-19 Bull. Of Radia. Protec.Pp.96.103
2. Post Tsunamic Ambient Gamma Survey of Pondicherry Coastal Population (East Coast of India). Published in International Bimonthly, Indian Journal of Natural Science, Vol. II; pp 1012 – 1015.
3. Environmental Radioactivity Profile of Pitchavaram and Devanampattinam Coast (Bay of Bengal)” Proceedings of the State level Seminar on Recent Trends in Environmental Biotech, organized by the Department of Zoology Jamal Mohamed College Tiruchirapalli. Pp 12-14
4. Probabilistic approach for Assessment of Chemical Risk Due to Fluoride And Nitrate in Drinking Water of Dindigul and Karur districts of Tamilnadu, India. JARJ, 2007, Vol.4 No.2 pp 82-86.
5. M. Abbas, Meeramaideen, M., and Mohamed Shamsudin. 2018. Biochemical Studies in ZnO nanoparticle exposed *Eudrilus eugeniae* pp 56 – 63. The Saudi Journal of Life Sciences, ISSN2415 – 623 XM.
6. Abbas, Meeramaideen, M., and Mohamed Shamsudin. 2017. ZnO Nanoparticles and Acute lethal Studies in *Eudrilus eugeniae*. International journal of Recent Scientific Research Vol.8., Issue 7 pp 18933 - 189361
7. M. Meeramaideen, 1P.Rajasekar, 1K.Sumathi and 2P.Ganesh Prabu.2017. Studies on the morphogenetic and economic parameters analysis of silkworm *Bombyx mori*(L) (Lepidoptera:Bombycidae) fed with amino acid (Lysin) treated MR2mulberry leaves.
8. M. Meeramaideen, 1P.Rajasekar, 1M.Balamurugan and 2P.Ganesh Prabu.2017. Studies on the feed efficacy, Growth rate and economic traits of silkworm *Bombyx mori*(L) (Lepidoptera:Bombycidae) fed with riboflavin treated Kanva-2 mulberry leaves.
9. Rajasekar, P, Jebanesan, A, Mohamed Shamsudin, Joseph Antony Jerald, Meeramaideen,M, Salahudeen.M and Thiruppathi.R. 2016.Larvicidal effects of essential

- oils from three medicinal plants against *Aedes aegypti*. International Journal of Modern research and reviews 4(6): 1181-1183.
10. Rajasekar, P, Jebanesan, A, Mohamed Shamsudin, Joseph Antony Jerald, Meeramaideen, M, Salahudeen, M and Thiruppathi, R. 2016. Ovicidal response effects of selected plant essential oils against *Aedes aegypti*. International Journal of Advanced Applied Scientific Research 1(5): 1-3.
  11. Rajasekar, P, Jebanesan, A, Mohamed Shamsudin, Joseph Antony Jerald, Meeramaideen, M, Mohamed Hussain, S and Jeyakumar, S. 2015. Bioefficacy of Hexaflumuron on emergence inhibition of four larval stages of *Aedes aegypti*, *Culex quinquefasciatus* and *Anopheles stephensi*. International Journal of Modern research and reviews 3(6): 709-710.
  12. Rajasekar, P, Jebanesan, A, Mohamed Shamsudin, Joseph Antony Jerald, Meeramaideen, M and Mohamed Kasim. 2015. Larvicidal activity of three chosen plants' essential oil against the mosquito vector, *Culex quinquefasciatus*. International Journal of Life Science Archives 1(4): 272-276.
  13. Mansoor-Ali Vaali-Mohammed<sup>1,2</sup> 1\*† Sabine Matou-Nasri<sup>3</sup>† Wagdy M. Eldehna<sup>4,5</sup> M. Meeramaideen<sup>2</sup> Eslam B. Elkaeed<sup>6</sup> Mohammed El-Watidy<sup>7</sup> Noura S. Alhassan<sup>1</sup> Khayal Alkhaya<sup>1</sup> Omar Al Obeed. The Anticancer Effects of the Pro-Apoptotic Benzofuran-Isatin Conjugate (5a) Are Associated with p53 Upregulation and Enhancement of Conventional Chemotherapeutic Drug Efficiency in Colorectal Cancer Cell Lines. *Frontiers in Pharmacology*, Volume 13 - 2022 | <https://doi.org/10.3389/fphar.2022.923398>
  14. MOHAMAD RAFEEK J., MEERAMAIDEEN M., RAJASEKAR P. and SANESH P. K. Gut Biochemical and Antioxidant Enzyme Analysis of *Eudrilus eugeniae* Treated with CuO Nanoparticles. *Research Journal of Agricultural Sciences*, Vol : 14 - Issue : 6 ; 1653–1660
  15. Mohamad Rafeek J, Meeramaideen M\*, Suganthi P, Rajasekar P, Jafar Ahamed A. Synthesis and Characterization of CuO Nanoparticles and Acute Lethal Studies in *Eudrilus eugeniae* Earthworm. *Asian Journal of Biological and Life Sciences*, 2022, 11, 3, 731-736. DOI:10.5530/ajbls.2022.11.97

RESEARCH PAPERS PRESENTED:

1. Presented a Paper titled “ **Study on the Ambient Gamma Radiation Level of Pondicherry Coastal Ecosystem, India**” in the International Conference on Sediment Management (I2SM-2012); Organised by Association of Environmental Analytical chemistry of India, collaboration with Mines de Douai France, held on 20-23 March, 2012. At Mumbai.
2. Presented a paper titled “ **A Study on the Bioaccumulation of Polonium-210 on Bivalve Indicator organisms of Tamilnadu and Pondicherry Coast (East Coast of India)**” in the International Conference on Sediment Management (I2SM-2012); Organised by Association of Environmental Analytical Chemistry of India, collaboration with Mines de Douai France, held on 20-23 March, 2012.
3. Presented a paper titled “**Assessment of Radiation Dose to tobacco Users**” International Conference on Radiating Biology Symposium XVI: ICRB NISRRO 2010 conference, held on 17-11-2010 at Ramachandra Medical University, Chennai.
4. Presented a paper titled “ **Environmental Radioactivity Profile of Pitchavaram and Devanampattinam Coast (Bay of Bengal)**” State level Seminar on Recent Trends in Environmental Biotech, organized by the Department of Zoology Jamal Mohamed College Tiruchirapalli. 13.03.2008

GENBANK SUBMISSIONS: 03

DEENIYATH TEACHING: (15 YEARS)

I have also been granted the unique opportunity of serving the faculty of Deeniyath Education of our college since 2009.

#### PRIZES AND AWARDS:

- Dr. Alagirisamy **Gold Medal** for the top ranker in the M.Sc., Zoology, 2006-07. Awarded by Jamal Mohamed College, Tiruchirapalli.
- **University Third Rank** in Bharathidasan University Examination (URE) held at Bharathidasan University, Tiruchirapalli, 2006.
- **Proficiency award** instituted by former Principal Perumpulavar Dr. C. Nainar Mohamed of Jamal Mohamed College, Tiruchirapalli
- **Top Ranker in M.Sc., Zoology** of Jamal Mohamed College During the Academic year 2006 - 2007.
- **Second rank** in the **B.Sc. Zoology** in the year 2004, at the College level in the Department of Zoology, Jamal Mohamed College, Tiruchirappalli.
- Secured **Third Prize** in Deeniyath Competitive Examination, Conducted by Deeniyath Education of Jamal Mohamed College, During the Academic year 2004 – 2005.
- Secured **First Class** in Deeniyath Education of Jamal Mohamed College, During the Academic year 2003 – 2004.
- **Second Prize** in the **Elocution** Competition in inter collegiate competition conducted by PG and Research Department of Zoology, Jamal Mohamed College, Tiruchirapalli, held on 01.03.2004.

#### ACTED AS RESOURCE PERSON:

- Acted as resource person Vivekanantha College of Arts and Science for women on 05.03.2021 and delivered lecture on Hormones to UG and PG students
- Resource person in UGC Sponsored COP- Civil Service Coaching Programme, and spoke on the General Science for Civil Service, on 10.08.2008 in Government Arts College for women at Pudukotta

- Resource person in UGC Sponsored COP- Civil Service Coaching Programme, and spoke on the Zoology for Civil Service, on 24.08.2008 in Government Arts College for women at Pudukottai.
- Resource person in UGC Sponsored COP- Civil Service Coaching Programme, and spoke the Current affairs for Civil Service, on 14.10.2008 in Government Arts College for women at Pudukottai.
- Resource person in JMC, Civil Service Coaching Center, handled the Environmental Science and its Related Issues, during the academic year 2011- 2012 in Jamal Mohamed College, Tiruchirapalli.
- Resource person in Tamilnadu Public Service Commission (TNPSC) Group – IV, Coaching Programme, of Guidance and Counseling Centre Jamal Mohamed College and Handled classes for General Science and Zoology.
- Resource person in MIET College of Arts and Science, NSS programme and spoken on “Sustainable Environment” on 22.02.2012.
- Resource person in Teachers Eligibility Test (TET) Coaching for Zoology, conducted by Care Chemistry Tuition Center, cantonment, Tiruchirapalli
- Acted as Judge in District level Science Exhibition conducted by Puthia Thalaimurai TV Channel “Vittukku oru Vingani” held at RC School, Tiruchirapalli.

## TECHNIQUES KNOWN:

- ✓ Radio Chemistry
- ✓ Radiation Biology
- ✓ Histopathology
- ✓ PCR Techniques
- ✓ Immunological Techniques
- ✓ Electrophoretic Techniques
- ✓ Environmental Biology

## LEADERSHIP ABILITY:

- Vice President, Zoology Association, Department of Zoology, Jamal Mohamed College, Tiruchirapalli.(2017-2019)
- Coordinator Career Oriented Programme – CMLT –DMLT during the year 2016 -2017
- Student Representative of the College Academic Council for Science for 2004-2006 at Jamal Mohamed College, Tiruchirapalli.
  
- Student representative in the Student Welfare Committee during 2004-2006, at Jamal Mohamed College, Tiruchirapalli
  
- Student Secretary in the Zoology Association of Jamal Mohamed College for 2004 -2006
  
- Project Assistant in N.S.S. Unit II of the Jamal Mohamed College for 2002-2004

### SOCIAL WELFARE ACTIVITIES:

- Completed TWO Years of NSS Service, In Bharathidasan University, JamalMohamed College Unit II, during the Academic year 2001-2003
- Participated in the Elephantiasis Eradication Camp held at Subramaniapuram, Maternity Home, organised by Tiruchirapalli City Corporation.
- Participated in the Ten Days Special camping Programme on the theme “Youth for Green Revolution” Organized at Enamkulathur village. From 3-12 of October2001.
- Participated in one day Inter collegiate Seminar on Consumer Awareness and Protection Training Programme, organised by Jamal Mohamed College, on 24<sup>th</sup> July, 2002.

### SPORTS ACTIVITIES:

- Winner in 400 meter relay (3<sup>rd</sup> Place) for teaching Staff of Jamal Mohamed College, held at Annual Sports meet, 2013. Organized by the Department of Physical Education, Jamal Mohamed College, Tiruchirapalli
- Winner in 400 meter (2<sup>nd</sup> Place) relay teaching Staff of Jamal Mohamed College, held at Annual Sports meet, 2011.Organized by the Department of Physical Education, Jamal Mohamed College, Tiruchirapalli
- Winner in Ball badminton at Government Higher Secondary school, V. Pudur, Sivagangai district, dt. on 23<sup>rd</sup> October 2000.
- Runner in District level ball badminton at Singampunari Govt. Hr. Sec. School, Sivagangai dt. On 14th November 2000.

### COMPUTER KNOWLEDGE:

PGDCA., from Annai Akilanteswari Technical Institute, Azhakiyamanavalam.Ms-office, (MS word, MS excel &Power point) Photo shop, etc.,



## PARTICIPATION OF WORKSHOPS

1. Workshop on Science writing and Journalism: Organized by the NCSTC, MTS Academy, Tamil Nadu Science and Technology Centre Chennai and Science City during 20-24, December 2005. At Anna Science Planetarium Tiruchirapalli
2. Workshop on Environmental Law: Organised by CPR Foundation and JJ College of Engineering and Technology, Tiruchirappalli 04.10.2007
3. Workshop on PCR technique: Organized by University of Madras, Dr. ALM Post Graduate Institute of Basic Medical Sciences, Taramani, Chennai- held on 21<sup>st</sup> Feb, 2005
4. Workshop on Electrophoretic Technique: Organized by the Department of Zoology, Jamal Mohamed College Tiruchirapalli 19-20 March 2005.
5. Workshop on immunological technique: Organized by the Department of Zoology Jamal Mohamed College Tiruchirapalli
6. Workshop on radiochemistry and Application of Radioisotopes: Organised by Department of Zoology, Jamal Mohamed College, Tiruchirapalli.
7. Workshop on Techniques in Collection and Rearing of Biocontrol Insects (WOCRBI-2012) organized by Department of Zoology, Jamal Mohamed College, Tiruchirapalli. 1<sup>st</sup> February, 2012.

## PARTICIPATION OF SEMINARS / CONFERENCES:

1. International Conference on Sediment Management (I2SM-2012); Organised by Association of Environmental Analytical chemistry of India, collaboration with Mines de Douai France, held on 20-23 March, 2012, at Mumbai.
2. International Conference on Radiating Biology Symposium XVI: ICRB NISRRO 2010 conference / Date: 17-11-2010 Ramachandra Medical University, Chennai.
3. National level seminar on Environmental genomics: Organized by the Department of Eco biotechnology Bharathidasan University, 20<sup>th</sup> March 2006.

4. National Seminar on “Climate Change and Environment” held on 17<sup>th</sup> October, 2007 Organised by Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli -24.
5. National level seminar on water and wastewater management(NACOWWAM - 2006): Organized by the Department of Environmental Research Centre JJ College of Engg.& Tech, Tiruchirapalli-9.
6. National Seminar on Current Scenario in Environmental Biotechnology, Organized by PG and Research Department of Zoology, organised by Jamal Mohamed College, Tiruchirapalli. 23&24<sup>th</sup> February, 2011
7. National level Seminar on Quality Enhancement in Teaching Research and Educational Institution- Prospectus and problems, organized by Jamal Mohamed College, Tiruchirapalli. 15&16<sup>th</sup> April 2010.
8. National Seminar on Recent Trends in Aquabiotech, organized by the Department of Zoology Jamal Mohamed College Tiruchirapalli. During 19-20.08.2008
9. National Seminar on Environmental Changes and Biowealth (NECB-2012): organised by PG and Research Department of Zoology, Jamal Mohamed College, Tiruchirapalli. 31<sup>st</sup> January, 2012.
10. National Conference on Agricultural Biotechnologies for Sustainable Food Security: organized by Tamilnadu Scientific Research Organization, Pudukottai. 22-24<sup>th</sup> March, 2013.
11. National Conference on Climate Change In India (NACO – CC 2008) organized by Environmental Research Centre, JJ College of Engineering and Technology, Tiruchirappalli, 28- 29 August, 2008.
12. State level seminar on Recent Trends in Environmental Biotechnology, organized by the Department of Zoology Jamal Mohamed College Tiruchirapalli. During 13<sup>th</sup> March, 2008.
13. State level seminar on challenges in biology: UGC sponsored seminar organized by the Department of Zoology, Jamal Mohamed College Tiruchirapalli From 23- 25<sup>th</sup> 2004.

14. State level seminar on Health Issues of Youth India: Problem and Prospectus, Sponsored by TNSACS, organized by PG Department of Social work and Red Ribbon Club of Jamal Mohamed College, Tiruchirapalli. 20<sup>th</sup> October, 2010
15. State level Seminar on Recent Trends in Environmental Biotech, organized by the Department of Zoology Jamal Mohamed College Tiruchirapalli. 15.03.2008
16. State level Seminar on Radiation and Human Welfare: organized by PG Department of Zoology, Jamal Mohamed College, Tiruchirapalli. 26<sup>th</sup> March, 2010.
17. State level seminar on Online Access to Research Journals and Books: organized by General Library, Jamal Mohamed College, Tiruchirapalli. 12<sup>th</sup> January, 2012.
18. Seminar on Nano Science and Technology at Anna Science Centre, Planatarium, Tiruchirapalli. 14<sup>th</sup> October, 2010.
19. One day seminar on Creating competitiveness to excel in Higher Education a TQM approach, Organized by IQAC, Jamal Mohamed College, Tiruchirapalli. 8<sup>th</sup> December, 2010.
20. One day seminar on Ahimsa and Animal Alternatives- The Implications and Benefits of Teaching Human Science. Organized by Mahatma Gandhi – Doerokamp center for alternative to use animals in life Science education Bharathidasan University, Tiruchirapalli. 2<sup>nd</sup> October, 2009.
21. UGC Sponsored State level Seminar on Examination Reforms: Organised by Jamal Mohamed College, Tiruchirapalli. 12<sup>th</sup> March 2010.
22. Annual Conference of Ethological Society of India & Symposium of Chemical signals in Animal Welfare: Organized by Department of Environmental Biotechnology, Bharathidasan University, Tiruchirapalli.
23. Seminar on Science Society and Religion: organized by Ilanthalir Centre for Science, Society and Religion, Tiruchirapalli in Collaboration with Jamal Mohamed College, Tiruchirapalli. Sponsored by Indian Institute of Science and Religion, Pune held on 16<sup>th</sup> February, 2012.
24. One day seminar on recent trend in Zoology: Organized by the Department of Zoology Jamal Mohamed College Tiruchirapalli On 1<sup>st</sup> March, 2006.

25. One day seminar on Renewable Energy for Sustainable Development:  
Organized by the Renewable Energy Club of JJ Engineering College,  
Tiruchirapalli -9. On 14<sup>th</sup> March, 2007