

1. Name (in Block Letters) : **P.PREMA**
2. Designation : **Assistant Professor**
3. Department : **ZOOLOGY**
4. College presently working in : **V.H.N.Senthikumara Nadar College  
(Autonomous), Virudhunagar-626001.**
5. Date of Birth : **19.07.1972**
6. Gender : **Female**  
✓
7. Category (tick the category) : **OC / BC / BC(M) / MBC / SC /SC(A) / ST**
8. Current Designation & Pay Level : **Assistant Professor  
Senior Grade(Pay  
level 11)**
9. Address for correspondence (with Pin code) : **2H, Paranginathapuram west,  
Near OMS Mill,  
Virudhunagar District–  
626 001.**
10. Permanent Address (with Pin code) : **2H, Paranginathapuram west,  
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Mobile No. **98655 84290**

Email: [prema@vhnsnc.edu.in](mailto:prema@vhnsnc.edu.in)

#### 11. Academic Qualifications

Examination	Subject(s)	Name of the Board/ University	Year of Passing	Percentage of Marks obtained	Division /Class/ Grade
SSLC	Tamil, English, Maths, Science, History and Geography	Board of Secondary Education, Tamil Nadu	1987	74% (370/500)	I Class
HSC	Tamil, English, Physics, Chemistry, Biology and Mathematics	Board of Higher Secondary Education, Tamil Nadu	1989	64.4% (773/1200)	I Class
Under Graduate	Tamil, English, Major-Zoology,	Madurai Kamaraj University, Madurai	1992	80.9% of (1538/1900)	I Class

	Ancillary-Botany & Chemistry				
Post Graduate	Zoology	Manonmaniam Sundaranar University, Tirunelveli	1995	72.2% of (1443/2000)	I Class
Other Academic Qualifications (if any, specify)	---	---	---	---	---

12. Research Degree(s) (copies of certificates to be enclosed) :

Degrees	Title	Date of year of award	University
M.Phil., Coastal Aquaculture	Effect of Ayurvedic products on the growth, survival and reproduction of <i>Artemia parthenogenetica</i>	15/04/1997	Manonmaniam Sundaranar University, Tirunelveli
Ph.D	Studies on the Microbial Ecology of Rajakkamangalam Estuary	03.09.2001	Manonmaniam Sundaranar University, Tirunelveli
Post- Doctoral	---	---	---

13. Teaching Experience (Government / Government Aided):

P.G. level : **22 Years**

U.G. level : **18 Years**

14. Research Experience : **26 Years**

15. Fields of specialization under the Subject/Discipline

**(a) Microbial Ecology**

**(b) Bionanotechnology**

16. Orientation / Refresher / Other Courses attended\*: (Enclose copies of the courses attended)

Name of the Course	Academic Staff College, University	Duration in Days	From –To (Mention Date here)
UGC sponsored IT oriented Orientation course	University of Kerala, Cochin	28 days	03.05.2008 to 30.05.2008
UGC sponsored Refresher course in Biological science	Madurai Kamaraj University, Madurai	21 days	06.11.2008 to 26.11.2008
UGC sponsored Refresher Course in Life Sciences on the theme “Recent Trends	Madurai Kamaraj University, Madurai.	21 days	23.12.2014 to 12.01.2015

in Life Science Research”			
Two week Inter-Disciplinary Refresher Course on “Managing online classes and co-creating MOOCS (Level 2)	Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education	14 days	02.06.2021 to 16.06.2021

**No. of Ph.D., Candidates guided: Four (2-full time)**

**1. Synthesis and Characterization of Zerovalent Iron nanoparticles and its applications**  
VHNSN College, Virudhunagar, **M.Selvarani**-2016.

**2. Invitro antibacterial and cytotoxic studies of fabricated silver nanoparticles**  
VHNSN College, Virudhunagar, **S.Thangapandiyam**-2016

**Part-time=2**

**1. Invitro and invivo studies of probiotic microbes for Ornamental fish culture**  
Manonmaniam Sundaranar University, **S.Suha Ranjani** -2019

**2. Synthesis of silver nanoparticles and their effect on physiological and economic traits of Bombyx mori (L.) (Lepidoptera:Bombycidae)**  
VHNSN College, Virudhunagar, **N.Alagumanikumar**-2019

**No. of candidate submitted Ph.D.:One**

**No. of candidate doing Ph.D.: One**

**Major research project sponsored by national or international agencies:**

Received Major research project sanctioned by UGC for a period of three years with effect from 01.02.2011 to 31.01.2014.

**Title of the Project:** Development of Bio-based and chemical mediated nanoparticles and their potential bioactive applications.

**Grant Received Rs.9,60,800/-**

## Student Research Projects-2

Title of the Project	Name of the Funding Agency	Amount	Duration	Remarks
<b>Production, Purification and mode of action of warnerin (Bacteriocin) produced by <i>Staphylococcus warneri</i> FM 20.</b>	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.	5000/-	6 months (2003)	Completed
<b>A novel antifungal compound (Phenyl lactic acid) production by <i>Lactobacillus plantarum</i> and <i>Lactobacillus coryniformis</i> : A comparative action against molds.</b>	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.	4000/-	6 months (2004)	Completed

## Research Publications

### Book Chapters-2

1. **Prema, P.**, and A.Palavesam. 2007. Bacteriophages as Biotools for monitoring faecal pollution and Enteric Virus. In: Pollution Management (eds., Pravin Chandra Trivedi and Sampat Nehra), Pointer Publishers, Jaipur (Raj.), India, ISBN 81-732-469-X, 223-234.
2. P.Prema. 2011. Chemical Mediated Synthesis of Silver Nanoparticles and its Potential Antibacterial Application. In: Progress in Molecular and Environmental Bioengineering - From Analysis and Modeling to Technology Applications, Angelo Carpi (Ed.), InTech Publishers, ISBN: 978-953-307-268-5, 151-166.

### Book Published: 1

**Title of the Book-** Green synthesis of silver nanoparticles and its antibacterial effect

Editors- Prema Paulpandian, N.Alagumanikumar and Marikani Kannan

Year 2018, Pages 1-69

Publisher-Lambert Academic Press

## Research Publications in Journals/Proceedings: Sixty One

1. Toxicity evaluation and oxidative stress response of fumaronitrile, a persistent organic pollutant (POP) of industrial waste water on tilapia fish (*Oreochromis mossambicus*) Chinnadurai K.;**Prema P.**;Veeramanikandan V.;Kumar K.R.;Nguyen V.H.;Marraiki N.;Zaghloul N.S.S.;Balaji P. Environmental Research, Volume 204, Year 2022.112030. doi: 10.1016/j.envres.2021.112030.
2. Bio-prospective potential of *Pleurotus djamor* and *Pleurotus florida* mycelial extracts towards Gram positive and Gram negative microbial pathogens causing infectious disease Ramanaiah Illuri, M Eyini, M Kumar, **P Prema**, Van-Huy Nguyen, Najat A Bukhari, Ashraf A Hatamleh, P Balaji Journal of Infection and Public Health, Volume 15, Year 2022, Pages 297-306.
3. Microbial synthesis of silver nanoparticles using *Lactobacillus plantarum* for antioxidant, antibacterial activities **P Prema**, S Subha Ranjani, K Ramesh Kumar, V Veeramanikandan, N Mathiyazhagan, Van-Huy Nguyen, P Balaji Inorganic Chemistry Communications, Volume 136, Year 2022, Pages. DOI: 10.1016/j.inoche.2021.109139.
4. Impact of *Camellia sinensis* Iron oxide nanoparticles on growth, Hematological, Biochemical and Antioxidant capacity of Blue Gourami (*Trichogaster trichopterus*) fingerlings **P. Prema**, Caterina Faggio Ibrahim Sulaikal Beevi, Beena Somanath, Ramesh kumar, Balaji Paulraj Biological Trace Element Research, Volume , Year 2022, doi: 10.1007/s12011-022-03145-2
5. Statistical optimization of silver nanoparticle synthesis by green tea extract and its efficacy on colorimetric detection of mercury from industrial waste water **P Prema**, V Veeramanikandan, K Rameshkumar, Mansour K Gatashah, Ashraf Atef Hatamleh, Ravindran Balasubramani, P Balaji Environmental Research, Volume 204, Year 2022, <https://doi.org/10.1016/j.envres.2021.111915>
- 6.Hexavalent chromium removal from aqueous solutions using biogenic iron nanoparticles: Kinetics and equilibrium study **P Prema**, Van-Huy Nguyen, Karthikeyan Venkatachalam, JM Murugan, Hayssam M Ali, Mohamed ZM Salem, Balasubramani Ravindran, P Balaji Environmental Research, Volume 205, Year 2022, Pages 112477. doi: 10.1016/j.envres.2021.112477.
7. Green tea extract mediated biogenic synthesis of gold nanoparticles with potent anti-proliferative effect against PC-3 human prostate cancer cells **Prema P.**;Boobalan T.;Arun A.;Rameshkumar K.;Suresh Babu R.;Veeramanikandan V.;Nguyen V.H.;Balaji P. Materials Letters, Volume 306, Year 2022, <https://doi.org/10.1016/j.matlet.2021.130882>
8. Isolation, Expansion, and Characterization of Placenta Originated Decidua Basalis-Derived Mesenchymal Stromal Cells Priya Subramani, Jaianand Kannaiyan, Jothi Ramalingam Rajabathar, **Prema Paulpandian**, Ramesh Kumar Kamatchi, Balaji Paulraj, Hamad A. Al-Lohedan, Selvaraj Arokiyaraj, and Veeramanikandan Veeramani ACS Omega, Volume 51, Year 2021, Pages 35538–35547. doi: 10.1021/acsomega.1c05022
9. Process optimization of chitosan stabilized zerovalent iron nanoparticle synthesis using response surface methodology **P.Prema and Nitin Bala**, International Journal of Research and Analytical Reviews, 2019, 6(2):599-574.
- 10.Isolation and Biochemical Identification of urinary tract infecting bacterial pathogens and their antibiotic susceptibility pattern **P.Prema** and N.Alagumanikumaran World Journal of Pharmaceutical Research, Volume 7, Year 2018, Pages 809-816.

11. Production of bacteriocin from novel *B.tequilensis* and its effect in *Trichogaster trichopterus* S.Subha Ranjani, **P.Prema** and G.Immanuel European Journal of Biomedical and Pharmaceutical Sciences, Volume 4, Year 2017, Pages 542-550.
- 12.CMC stabilized nano silver synthesis, characterization and its antibacterial and synergistic effect with broad spectrum antibiotics **P.Prema**, S.Thangapandiyan and G.Immanuel Carbohydrate polymers, Volume 158, Year 2016, Pages 141-148.
13. Microbial mediated synthesis, characterization, antibacterial and synergistic effect of gold nanoparticles using *Klebsiella pneumoniae* (MTCC- 4030) **P.Prema**, P.A.Iniya and G.Immanuel RSC Advances, Volume 6, Year 2016, Pages 4601-4607.
14. Nanosilver synthesis using a gram negative *Pseudomonas aeruginosa* (MTCC 2453) and its potential application on urinary tract infecting bacteria **P. Prema**, N. Subashini1 M. Nageswari and N. Alagumanikumar European Journal of Biomedical and Pharmaceutical Sciences, Volume 3, Year 2016, Pages 340-347.
- 15.Studies on Growth Rate, Economic Traits and Fecundity of *Bombyx Mori* (L) Lepidoptera: Bombycidae Fed with Mulberry Fruits Reduced Silver Nanoparticles Treated MR2 Mulberry Leaves N.Alagumanikumar and **P.Prema** College Sadhana-Journal for Bloomers Research, Volume 9, Year 2016, Pages 1459-1463.
16. Studies on evaluation and improvements of growth and economic parameters of *Bombyx mori* (L) influence under Mr2 leaves fortified with natural honey N.Alagumanikumar and P.Prema International Journal of Current Science Research, Volume 2, Year 2016, Pages 757-765.
17. Antipyretic and Analgesic effects of *Aristolochia tagala* Ganesan Rameshkumar and **Prema Paulpandian** International Journal of Current Science Research, Volume 2, Year 2016, Pages 983-990.
18. Potential influence of probiotic bacteria on the growth gut microflora of *Carassius auratus* Subharanjani S, Gunarani R, Prema P, Immanuel G International Journal of Fisheries and Aquatic Studies, Volume 2, Year 2015, Pages 319-323.
19. Supplementation of *B. cereus* as Probiotic in Fish Feed of *Trichogaster Trichopterus* (Blue Gourami) and Calculating its Growth and Survival S. Subharanjani, **P. Prema** and G. Immanuel International Journal of Current Microbiology and Applied Sciences, Volume 4, Year 2015, Pages 744-751.
20. Antibacterial activity of a probiotic *Lactobacillus plantarum* against urinary tract infection causing pathogens **P.Prema** and P.Viji World Journal of Pharmaceutical Research, Volume 4, Year 2015, Pages 2032-2041.
21. A comparative in vitro cytotoxicity study of colloidal silver and chitosan stabilized silver nanoparticles on MCF-7 and HEPG2 **P.Prema** and S.Thangapandiyan European Journal of Biomedical and Pharmaceutical sciences, Volume, Year 2015, 2 (3):855-870.
- 22.Bioactive L-asparaginase production by *E.coli* strains **P. Prema**, J. Cinthuja, A. R. Arthi American Journal of PharmTech Research, Volume 4, Year 2014, Pages 858-874.
23. Inhibitory effect of metabolites from probiotic *Lactobacillus plantarum* on growth of food borne pathogens **P.Prema**, A.R.Arthi and P.Viji World Journal of Pharmacy and Pharmaceutical Sciences, Volume 3, Year 2014, Pages 1189-1207.

24. In-vitro antibacterial activity of gold nanoparticles capped with polysaccharide stabilizing agents **Prema P.**;Thangapandiyar S. International Journal of Pharmacy and Pharmaceutical Sciences, Volume 5, Year 2013, Pages 310-314.
25. Evaluation of antibacterial efficacy of chemically synthesized copper and zerovalent iron nanoparticles M.Selvarani and **P.Prema** Asian Journal of Pharmaceutical and Clinical Research, Volume 6, Year 2013, Pages 223-227.
26. Microbial Siderophore as a Potent Biocontrol Agent for Plant Pathogens **P.Prema** and M.Selvarani International Journal of Scientific Research, Volume 2, Year 2013, Pages 521-522
27. Synergistic Antibacterial Evaluation of Commercial Antibiotics Combined with Nanoiron against Human Pathogens Selvarani Murugan and **Prema Paulpandian** International Journal of Pharmaceutical Science Review and Research, Volume 18, Year 2013, Pages 183-190.
28. Production of Tumor Inhibitory L-asparaginase by wild and mutant strains of *Pseudomonas fluorescens* **P.Prema**, M. Narmadha Devi and N. Alagumanikumar International Journal of Advanced Research, Volume 1, Year 2013, Pages 163-171
29. *In vitro* antagonistic activity of a probiotic *Lactobacillus plantarum* against water borne pathogens **P.Prema** International journal of pharmacy and pharmaceutical Sciences, Volume 5, Year 2013, Pages 175-178
30. Antibacterial activity of Metal Based Nanoparticles–A Comparative view **Prema Paulpandian**, Selvarani Murugan and Thangapandiyar Santhanam International Journal of Current Research, Volume 5, Year 2013, Pages 175-180
31. Investigation on synergistic antibacterial properties of silver nanoparticles encapsulated with different stabilizing agents Indo American Journal of Pharmaceutical Research **P. Prema** S. Thangapandiyar, Volume , Year 2013,3 (2):1482-1491.
32. Bio-based and chemical mediated fabrication of silver nanoparticles and evaluation of their potential antimicrobial activity – a comparative view **P.Prema**, S.Lakshmi Priya and G.Ramesh Kumar International Journal of Nanoparticles, Volume 5, Year 2012, Pages 338-357
33. Inactivation of Bacteria using Chemically Fabricated Zerovalent Iron Nanoparticles **P.Prema** and M.Selvarani International Research Journal of Pharmaceutical Science, Volume 3, Year 2012, Pages 37-41.
34. Removal of Toxic Metal Hexavalent Chromium [CR(VI)] from Aqueous Solution using starch – stabilized Nanoscale Zerovalent Iron as Adsorbent : Equilibrium and kinetics M.Selvarani and **P.Prema** International Journal of Environmental Sciences, Volume 2, Year 2012, Pages 1974-1987
35. Use of Zerovalent Iron Nanoparticles as Low Cost Adsorbent in the Removal of Hexavalent Chromium from Aqueous Solution: Equilibrium and Kinetics Study **P.Prema** and M.Selvarani International Journal of Research in Chemistry and Environment, Volume 2, Year 2012, Pages 115-124
36. Chemically fabricated silver nanoparticles enhances the activity of antibiotics against selected human bacterial pathogens S Thangapandiyar, P Prema International Journal of Pharmaceutical Sciences and Research, Volume , Year 2012, 3(5):1415-1422.

37. Biogenic synthesis of silver nanoparticles and their potential bioactive applications against gram-positive and gram-negative bacteria **P Prema**, S Thangapandiyan, M Selvarani International Journal of Recent Scientific Research, Volume , Year 2012, 3(10):822-828.
38. Growth Rate Pattern and Economic Traits of Under the Influence of Thyroxine Treated Mulberry Varieties Bombyx Mori L S. Latha, **P. Prema**, M. Selvarani and S. Thangapandiyan College Sadhana-Journal for Bloomers Research, Volume 4, Year 2011, Pages 276-284
39. Color removal efficiency of dyes using nanozerovalent iron treatment **Prema P.**;Thangapandian S.;Selvarani M.;Subharanjani S.;Amutha C. Toxicological and Environmental Chemistry, Volume 93, Year 2011, Pages 1908-1917
40. UV/VIS, FTIR spectrum and anticandidal activity of streptomyces strains **Prema P.**;Audline Suja S.;Subha Ranjani S.;Immanuel G. Internet Journal of Microbiology, Volume 7, Year 2010
41. Production and characterization of an antifungal compound (3- phenyllactic acid) produced by Lactobacillus plantarum strain **Prema P.**;Smila D.;Palavesam A.;Immanuel G. Food and Bioprocess Technology, Volume 3, Year 2010, Pages 379-386
42. Production and Optimization of Alkaline Protease from Bacillus Sp **P.Prema** and V.Vishwajith College Sadhana-Journal for Bloomers Research, Volume , Year 2009, Pages 1-7.
43. Fabrication and Characterization of Silver Nanoparticle and its Potential Antibacterial Activity **P.Prema** and Rincy Raju Biotechnology and Bioprocess Engineering, Volume 14, Year 2009, Pages 842-847
44. Detection, purification and efficacy of warnerin produced by Staphylococcus warneri **Prema P.**;Bharathy S.;Palavesam A.;Sivasubramanian M.;Immanuel G. World Journal of Microbiology and Biotechnology, Volume 22, Year 2006, Pages 865-872
45. Effect of different growth parameters on endoglucanase enzyme activity y bacteria isolated from coir retting effluents of estuarine environment G.Immanuel, D.Dhanusha, **P.Prema** and A.Palavesam International journal of Environmental Science and Technology, Volume 3, Year 2006, Pages 25-34
46. Aerobic heterotrophic bacterial diversity in sediments of Rajakkamangalam estuary, south west coast of India **Prema P.**;Palavesam A.;Balaji P. Journal of Environmental Biology, Volume 26, Year 2005, Pages 729-734
47. Fermentation of pretreated substrates for ethanol production with immobilized yeast cell, Saccharomyces cerevisiae **Prema P.**;Palavesam A.;Kumar R.;Hameedu A. Asian Journal of Microbiology, Biotechnology and Environmental Sciences, Volume 7, Year 2005, Pages 371-376
48. Screening of Marine algae from Mandapam coast for their antibacterial activity **P.Prema**, P.Balaji and R.Vinodh Proceedings of MBR 2004 National Seminar on New Frontiers in Marine Bioscience Research, Volume , Year 2004, Pages 53-62.
49. Effect of Ayurvedic products on the growth, survival and reproduction of *Artemia parthenogenetica* **P.Prema** and A.Palavesam Asian Fisheries Science, Volume 17, Year 2004, Pages 61-69.
50. Primary productivity in a minor estuary along the south west coast of India **P.Prema**, A.Palavesam and



B.Venkadesh Indian Journal of Fish, Volume 51, Year 2004, Pages 359-364.

51. Antimicrobial activity of selected medicinal plants **P.Prema** Journal of Ecobiology, Volume 16, Year 2004, Pages 333-337.
52. Antimicrobial activity of green tea flavour compounds and their combination effects against *Streptococcus mutans* **P.Prema** and G.Saritha Devi Indian Journal of Applied Microbiology, Volume 3, Year 2003, Pages 27-30.
53. Influence of probionts on the gut microbial diversity in pearl spot, *Etroplus suratensis* (Bloch) G.Immanuel, V.Menenthira, P.Prema and A.Palavesam Indian Journal of Fish, Volume 50, Year 2003, Pages 499-508.
54. *Pseudomonas fluorescens* as biocontrol agent against *Fusarium oxysporum* and *Sclerotium rolfsii* **P.Prema**, P.S.Dheenana and P.Balaji Indian Journal of Environment and Ecoplanning, Volume 7, Year 2003, Pages 615-620.
55. Biodegradation of gold plating cyanide waste by *Pseudomonas putida* **P.Prema** and J.Mohanakrishnan Indian Journal of Applied Microbiology, Volume 2, Year 2002, Pages 13-16.
56. Decolourisation of textile dye by *Aspergillus* sp. **P.Prema**, S.Bharathy and M.Smitha Proceedings of State level Conference:water management:Resources, Pollution and Effects on Health, Volume , Year 2002, Pages 36-42.
57. Invitro suppression of plant pathogen by siderophore of fluorescent *Pseudomonads* **P.Prema** and A.N.Nasheeda Beevi Proceedings National conference on Recent Trends in Plant Science Research, Volume , Year 2002, Pages 47-52.
58. Culture of finfish in abandoned saltworks S.Lazarus, **P.Prema** and A.Palavesam Advances in Aquaculture, Volume , Year 2000, Pages 65-71.
59. Lobster fattening through community participation an experience at Kanniyakumari S.Lazarus, Beena Somanath, A.Palavesam and **P.Prema** Proceedings of the National Conference on Fisheries economics, Extension and Management, Volume , Year 2000, Pages 223-228.
60. Conservation and Management of Estuarine fish resources **P.Prema** and S.Lazarus Ariviyal Tamiliya Kovai, Volume , Year 1999, Pages 150-153.
61. Impact of retting effluent on fish fauna of Rajakkamangalam estuary-a case study S.Lazarus, **P.Prema** and K.Sivakumaran Sustainable Environment, Volume , Year 1999, Pages 92-95

### **Administrative Responsibilities:**

1. Board of studies member in M.Sc., Biochemistry at V.V.V.College, Virudhunagar for a period of two years with effect from 12.09.2011 to 11.09.2013.
2. Served as Chairman for M.Phil., Zoology
3. External subject Expert member for TNSCST sponsored project staff selection Committee at SFR College, Sivakasi (12.07.2013)
4. Member of the project Implementation group in FIST-DST program -2013 for a tenure of five years
5. External subject expert Member-Board of studies in PG Zoology at Manonmaniam Sundaranar

- University, Tirunelveli with effect from 01.01.2016 to 31.12.2018.
6. Subject Expert in Board of studies in Biology UG (Allied) on 01.04.2016 at V.V.V.College for Women, Virudhunagar.
  7. External Expert on the Board of Studies in Microbiology (UG/PG) for a period of two years with effect from 20.04.2016 to 19.04.2018 (12.04.2017)
  8. Subject Expert for the Board of studies of Part V –Science Forum on 19.05.2017.
  9. Subject Expert in Zoology towards the selection of Associate Professor at Vyasa Arts and Science Women’s College, Tirunelveli on 06.04.2018.
  10. Served as Joint –Dean (Research) with effect from 1<sup>st</sup> August, 2017.
  11. External Member of the Board of studies in Zoology (PG) at Manonmiam Sundaranar University for three years with effect from 01.01.2019 to 31.12.2021.
  12. Member in Award Committee for a tenure of three years from 2019-2021.
  13. Member –Journal of Environmental Biology
  14. Member –American Nanosociety
  15. Member - Editorial board of the Journal of Cell and Animal Biology
  16. Associate Editor-College Sadhana-Journal for Bloomers of Research
  17. External Expert Member-Board of studies in Self Employment Course (Quality control for food and Industrial products)- ANJA College, Sivakasi
  18. Member-Board of studies in UG/PG Microbiology, MKU Madurai- 2005-2007
  19. Member-Board of studies in M.Phil Microbiology, MKU Madurai- 2006-2008

#### **Co-curricular/extension activities:**

1. Acted as Guest Lecture in the Zoology Association function in the field of **Microbiology** at S.B.K.College, Aruppukottai During 2005-2006.
2. Served as a **Chief guest in PG –Economic society** Inauguration (13.03.2012)
3. Acted as **Resource person and delivered a lecture** on “Emerging trends in Probiotic Research” in the Department of Zoology, V.V.V. College for Women, Virudhunagar on 29.07.2011.
4. Guest lecture on “**Perspectives in Nanotechnology**” at The Standard Fireworks Rajaratnam College for Women, Sivakasi on 17/03/2014.
5. Served as **Vice-President in PG Zoological Society** at VHNSN College, Virudhunagar.
6. Guest lecture on “**Nanotechnology**” in Student Faculty Research Forum at V.V.V. College for Women, Virudhunagar on 24/09/2014.
7. Served as a **Chair person in the Intercollegiate Meet** at Department of Microbiology, VHNSN College, Virudhunagar (15.09.2016)

#### **Programmes Organized:**

1. Intercollegiate meet (Biochemicro’03)-27<sup>th</sup> March,2003.
2. Intercollegiate meet (Biochemicro’04)-31<sup>st</sup> January,2004.
3. Seminar cum Workshop -19<sup>th</sup> and 20<sup>th</sup> February, 2005
4. Intercollegiate meet (Biochemicro’05)-25<sup>th</sup> February,2005.
5. Seminar cum Workshop -3<sup>rd</sup> and 4<sup>th</sup> September, 2005.
6. Medical camp-25<sup>th</sup> January, 2005 at Sankaralingapuram.
7. Medical camp-9<sup>th</sup> to 11<sup>th</sup> March, 2005 at V.H.N.S.N.College, Virudhunagar.
8. Medical camp-6<sup>th</sup> February, 2006 at Amathur.

9. National Seminar on “Biotechnological Applications of Microbes”-9<sup>th</sup> and 10<sup>th</sup> February, 2007.
10. Organizing Secretary in National Level Webinar on Human Health and Infectious Diseases- 30.07.2020

**Seminar/conference/workshop/Training programme attended:**

1. Training and Research for Community Centered Aquaculture, ICAS, M.S. University, Kanniyakumari on 6.9.1995.
2. Traditional Fishing Technologies of Tamil Nadu on 15.1.1995.
3. Confaqua '96 – St Xavier's College, Palayamkottai during December 16 –18<sup>th</sup>, 1996.
4. National Seminar on Aquaculture in the changing Environmental Perspectives Department of Aquatic biology and Fishers, University of Kerala, Thiruvananthapuram during march 25-27<sup>th</sup>, 1997.
5. Inter –disciplinary workshop on Biostatistics during March 26<sup>th</sup> and 27<sup>th</sup>, 1997, University Campus, Abishekapatti, M.S.University, Tirunelveli.
6. National Seminar on Coastal Zone Management, ICAS, M.S.University, S.C. College Campus, Nagercoil during Dec. 30<sup>th</sup> and 31<sup>st</sup>, 1997.
7. National Seminar on Recent Trends in Applied Biology, S.T. Hindu College, Nagercoil during 30<sup>th</sup> and 31<sup>st</sup> October, 1998.
8. First National Seminar on Trends in Marine Biotechnology, ICAS, M.S.University Nagercoil during 14<sup>th</sup> and 15<sup>th</sup> December, 1998.
9. National Seminar on “Marine Biodiversity”, ICAS, M.S.University, Nagercoil during 25<sup>th</sup> and 26<sup>th</sup> March, 2000.
10. Ten day National workshop on “Bioinformatics for Biologists”, Dr. GRD College of Sciences, Coimbatore, Tamin Nadu during 23<sup>rd</sup> to 1<sup>st</sup> February, 2003.
11. National Seminar on “Technology and Management of Bioresources”, Department of Zoology, St.Xaviers college, Palayamkottai during 21<sup>st</sup> and 22<sup>nd</sup> march, 2005.
12. Two day seminar cum workshop on “Emerging Trends In Microbiology” – 19<sup>th</sup> & 20<sup>th</sup> February 2005 - Organized by V.H.N. Senthikumara Nadar College, Virudhunagar, India.
13. Seminar cum workshop on “Molecular Trends in Microbiology”- 3<sup>rd</sup> and 4<sup>th</sup> September, 2005 – Organized by V.H.N. Senthikumara Nadar College, Virudhunagar, India.
14. National Symposium on “Challenges of human life in the new century: Role of Biotechnologist” -16<sup>th</sup> and 17<sup>th</sup> September, 2005 – Organized by Sri Kaliswari College, Sivakasi.
15. State Level seminar cum workshop on “Bioengineering” -23<sup>rd</sup> and 24<sup>th</sup> September, 2005 –Organized by K.R.College of Arts and Science, Kovilpatti.
16. State level seminar on “Modern trends in Biotechnology” – 14<sup>th</sup> October, 2005 – Organized by S.T.Hindu College, Nagercoil, India.
17. State Level Workshop on “Biological Data Handling” -9<sup>th</sup> to 12<sup>th</sup> August, 2006- Organized by Centre for Fish Immunology, PG Department of Zoology and Biotechnology, Lady Doak College, Madurai,

India.

18. Department of Science & Technology, Govt. of India sponsored 2-Days workshop on “Bio-informatics & Computational Biology” organized by Department of Information Technology, during 29<sup>th</sup> & 30<sup>th</sup> September, 2006 at Thiagarajar College of Engineering, Madurai.

19. Participated in the orientation course in IT oriented held at Kerala University, Cochin from 03.05.08 to 30.05.08.

20. Participated the UGC sponsored refresher course held at M.K.University, Madurai from 06.11.08 to 26.11.08

21. National seminar on “**Nanoscience and Technology, -29<sup>th</sup> September 2007-** organized by Department of Physics, Karunya University, Karunyanagar, Coimbatore.

22. A 3-day workshop on **Application of SPSS for Data Analysis-** 5<sup>th</sup> to 7<sup>th</sup> September, 2007- Organized by Everonn Learning Academy, Everonn Systems India Limited (Knowledge Resource Development and Research), Chennai.

23. Participated in 'National Workshop on Genome Informatics' from 05.01.2009 to 07.01.2009

24. DBT, DST, CSIR, ICMR Sponsored Conference on “Biotechnology: Fusion of Advanced Research and Teaching” organized by Department of Biotechnology, during 2-4<sup>th</sup> January, 2010 at School of Biotechnology, Madurai Kamaraj University, Madurai.

25. Presented a paper entitled 'Decolorization of dyes using synthesized zerovalent iron nanoparticles and its potential anti bacterial activity' in the National level seminar Bio galaxia held on 13.10.10 at Bharathiar University, Coimbatore.

26. Participated One day National Level Seminar on “Recent trends in Bioresources conservation and Management (RTBCM)-2010” on 15<sup>th</sup> October, 2010 organized by Department of Advanced Zoology and Biotechnology (AZBT), Aditanar College of Arts and Science, Tiruchendur.

27. Participated in the UGC Sponsored 3 day Training Programme from 17.02.2011 to 19.02.2011 on "Competence Building for Young Teachers" held at V.H.N.S.N. College, Virudhunagar.

28. Attended UGC sponsored Training programme on computer hardware and system maintenance at VHNSN College, Virudhunagar -01 (05.03.2012 to 13.03.2012)

29. Attended International seminar at V.V.V. College for Women on Emerging Trends and Innovative technologies in Biological Sciences for a better tomorrow – 01 (08.12.2011)

30. Participated NAAC sponsored National level workshop on the role of national skills qualifications framework (NSQF) in designing the curriculum (29.09.2016 and 30.09.2016).

31. Presented the paper in state level seminar on Emerging trends in Biology (ETB-2016) –organized by GTN Arts College, Dindigul (14.10.2016).

32. Participated a Science Academies Lecture workshop on Modern Trends in Zoology and Agriculture Microbiology at Saiva Bhanu Kshatriya College, Aruppukottai on 07.02.2017 and 08.02.2017.

33. Participated in the two day workshop on Excel applications in Data Management at Mepco Schlenk Engineering College, Sivakasi on 3<sup>rd</sup> and 4<sup>th</sup> August, 2017.

34. Participated in the TNSCST sponsored National workshop on Conventional and modern taxonomical tools in faunal identification at Lady Doak College, Madurai on 4<sup>th</sup> and 5<sup>th</sup> October, 2017.

35. Presented a paper in two days National symposium at APC Mahalaxmi College for Women on 1<sup>st</sup> and 2<sup>nd</sup> February, 2018.

36. Participated a state level seminar organized by IQAC at V.V.V. College for Women, Virudhunagar on 20.02.2019.

37. Presented a paper in two days National conference at Holy Cross College, Nagercoil on 1<sup>st</sup> and 2<sup>nd</sup> March, 2019.