

**Dr. G. VELSAMY, M.Sc., M.Phil., Ph.D.,**

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**OBJECTIVE**

Innovative and productive contribution to the scientific community with a view for human welfare and development, Enthusiastic and willing to expertise in the work arena and reach the highest echelons in the field work.

**EDUCATION**

**Doctor of Philosophy in Zoology 2010-2015**

Bharathidasan University, Tiruchirappalli, Tamilnadu, India COMMENDED

**Thesis:** Studies on the Detrimental effect of Heavy metal pollution in Green mussel (*Perna viridis*) from Uppanar estuary, Cuddalore, Southeast coast of India.

**Master of Philosophy in Zoology 2008-2009**

Bharathidasan University, Tiruchirappalli, Tamilnadu, India 85 %

**Thesis:** Studies on the Ameliorative Effects of a Probiotic Consortium on Normal and Aeromonas- infected Fresh water fish, *Labeo rohita*.

**Master of Science in Zoology 2006-2008**

Bharathidasan University, Tiruchirappalli, Tamilnadu, India 73.37 %

**Thesis:** Effects of *Vibrio parahaemolyticus* infection on the energy reserves of *Penaeus monodon*

**Bachelor of Science in Zoology 2003-2006**

Bharathidasan University, Tiruchirappalli, Tamilnadu, India 55.81 %

**TEACHING EXPERIENCE**

Working as **Assistant Professor**, Department of Zoology, Arignar Anna College (Arts & Science), Krishnagiri- 635 115. (From 07-06-2017 to till date).

## **AWARDS AND HONORS**

**University Research Fellow (URF)**, Bharathidasan University, Tiruchirappalli, Tamilnadu, India.

## **DISTINCTIVE ACHIEVEMENTS / AWARDS**

- ❖ Academic Editor of "**International Journal of Biology Sciences**" New Delhi, India

## **ORGANIZED IN SEMINAR / WORKSHOP / CONFERENCE**

1. Organised the **One Day National Seminar on “Current Trends in Clinical Aspects-(CTCA-2024)”** during 05<sup>th</sup> March, 2024 at Department of Life Sciences (Biotechnology, Botany and Zoology), Arignar Anna College (Arts & Science), Krishnagiri - 635 115.
2. Organised the **“National Seminar on Current Scenario of Environmental Impact on Human Health”-(NSCSEIH-2022)**, during 16 November, 2022 at Department of Life Sciences (Biotechnology, Botany and Zoology), Arignar Anna College (Arts & Science), Krishnagiri - 635 115.
3. Organised the **“State Level Workshop on Zooplankton Identification”** during 11 April, 2022 at Department of Zoology, Arignar Anna College (Arts & Science), Krishnagiri - 635 115.

## **MEMBERSHIPS**

1. India-UK Water Centre.
2. Royal Society of Biology.
3. Endocrine Society.
4. International Society for Microbial Ecology.

## **RESOURCE PERSON/CHAIR PERSON/CO-ORDINATOR**

1. Resource Person of the Yuva Samvad India @ 2047 delivered the talk in **“Sense of Duty among Citizens”** held on 28-02-2024. Organized by **Arignar Anna College (Arts & Science), Krishnagiri and Ministry of Youth Affairs and Sports- Government of India (Tamil Nadu NSS). Jointly organizes Yuva Samvad India @ 2047.**
2. Resource Person of the NSS special camp delivered the talk in **“Social Networking sites and the Decadent Youth Community”** held on 12-02-2024 at Gangaleri village, Krishnagiri District. Organized by **Arignar Anna College (Arts & Science), Krishnagiri.**
3. Resource Person of the NSS special camp delivered the talk in **“A Faltering age and Struggling Family.”** held on 02-04-2023 at Balakuri village, Krishnagiri District.

Organized by **Arignar Anna College (Arts & Science), Krishnagiri.**

4. Resource Person of the NSS special camp delivered the talk in “**Natural Resources and Human Development**” held on 27-02-2022 at Ittikal Agaram village, Krishnagiri District. Organized by **Arignar Anna College (Arts & Science), Krishnagiri.**
5. Resource Person of the “**Training of youth on Clean Village- Green Village**” held on 24-03-2021. Jointly organized by **Nehru Yuva Kendra & Arignar Anna College (Arts & Science), Krishnagiri..**
6. Resource Person of the **Inservice Training for the Science Teachers of higher elementary Schools in Krishnagiri District** organized by **Arignar Anna College, Krishnagiri in collaboration with Tamilnadu State Council for Science and Technology, Chennai** from 09-09-2019 to 14-09-2019.

## **PUBLICATIONS**

1. Ganesan Velmurugan, Sundaresan Mohanraj, Jenifer Christy Yacob, Sundaravadivu Keppanan, Balakrishnan Rekha, Anbalagan Krishnasamy, Suresh Shanmugarajan, Seenivasan Boopathi, Anitha Ayyapparaja, Prabhu Chandhran Ayyapparaja, Tamilselvan R S, Manigandan Gopalakrishnan, Jayaramanathan Veerappan, Vithya Dharmaraj, Subramaniyan Vaithilingam, Priyadharshini Purushothaman, Sumathi Chelladurai, Jeevan Pandiyan, Vijaya Samoondeswari Selvarajan, Kalidoss Annathurai, Sukumaran Vengatachalam, Gorky Arivuruvone, Saravanan Kaliyaperumal, **Velsamy G**, Kannan S, Subbiah Ramasamy and Krishnan Swaminathan. (2021). Association of Agriculture Occupational Exposure with Diabetes and Cardiovascular Risk Factors in South Indian Villages: REDSI Study. *Frontiers in Cardiovascular Medicine*, 8 – 737505.
2. Ganesan Sankaran, Saravanan Jothivel, **Velsamy Govindasamy** and Manoharan Nateesan (2014). Geochemical and textural characterization of minerals in Thondi coastal sediments along the southeast coast of India. *Journal of Oceanography and Marine Science*. 5 (5): 37- 44.
3. **Velsamy Govindasamy**, Balasundaram Athmanathan, George John, Manoharan Natesan, Ganesan Sankaran, Naveenkumar Sethuraman (2013). Studies on the ameliorative effects of a probiotic consortium on normal and *Aeromonas hydrophila* -

- infected freshwater fish, *Labeo rohita*. *Am. J. PharmTech Res.* 3 (4): 587-598.
4. **G. Velsamy**, N. Manoharan, S. Ganesan (2013). Analysis of Physico-Chemical Variations in Sea Water samples Uppanar Estuary, Cuddalore, Tamilnadu, India. *International Journal of Research in Biological Sciences.* 3 (2): 80-83.
  5. **Velsamy. G**, Manoharan. N and Ganesan. S. (2013). Assessment of Heavy metal Concentration in Sediments from Uppanar Estuary (SIPCOT), Cuddalore coast, Bay of Bengal, India. *International Journal of Current Research*, 5 (4); 876-878.
  6. Sankaran Ganesan, **Govindasamy Velsamy**, Thilagar Sivasudha, Natesan Manoharan (2013). Maldi-Tof Mass spectrum profiling, antibacterial and Anticancer activity of marine *Streptomyces fradiae* BDMS1. *World J. Pharmacy and Pharma. Sciences.* 2 (6): 5148-5165.
  7. **Velsamy, G.** Manoharan, N. Ganesan, S. (2013). Monthly Variations of Physico-Chemical Parameters in (SIPCOT) Uppanar Estuary, Cuddalore, South East Coast of India. *Environment & Ecology* 31 (2C): 1121-1127.
  8. Ganesan. S, Manoharan. N, Naveenkumar. S, **Velsamy. G** (2011). Bioprospecting of Marine Sediments Derived Novel Halophilic Actinomycetes sp., to explore its Antagonistic Efficacy. *Int J Med Res.*, 2011; 1(4): 224-230.
  9. Ganesan.S, Manoharan.N, Naveenkumar.S, **Velsamy.G**, Manivannan. S. P (2010). Study on Proteolytic treatment of Textile Fabric Softness and Smoothens by using Halophilic Bacterial Biopolymer from Pitchavaram Mangrove Forest Soil Samples. *Int. J. Environ. Sci.*, 2, 1, 149- 161.
  10. Naveenkumar.S, Manoharan.N, Ganesan. S, Manivannan.S.P, **Velsamy. G.** (2010). Isolation, Screening and In Vitro Mutational Assessment of Indigenous Soil Bacteria for Enhanced Capability in Petroleum Degradation. *Int. J. Environ. Sci.*, 2, 1, 80-95.

#### **PAPERS PRESENTED IN PROCEEDINGS OF SEMINARS**

1. Presented International Conference on “Innovative Techniques in Agricultural and Biological Sciences for Sustainable Development” held on 20<sup>th</sup> December 2018. Also presented a paper on “**Seasonal variations of heavy metal concentration in seawater and sediment samples from Uppanar estuary, Cuddalore coast**” Organized by Department of Botany & Zoology, Sri Vidya Mandir Arts & Science College, Uthangarai, Tamilnadu, India.

2. Presented National seminar on “Water Resource Management in Tamilnadu” held on 6<sup>th</sup> March 2014. Also presented a paper on “**Monthly variations of physico-chemical parameters from Uppanar estuary Cuddalore, India**” Organized by Department of Zoology, Jamal Mohamed College, Tiruchirappalli, Tamilnadu, India.
3. Presented National Conference on “Explorations of the Natural Bioactive Compounds from the Marine Resources” (BIOACTIVA 11) held on 10<sup>th</sup> & 11<sup>th</sup> Feb 2011. Also presented a paper on “**Probiotic Treatment on Normal and Aeromonas Infected Fish *Labeo rohita***” Organized by Department of Marine Science, Bharathidasan University, Tiruchirappalli, Tamilnadu, India.
4. Presented National Conference on “Explorations of the Natural Bioactive Compounds from the Marine Resources” (BIOACTIVA 11) held on 10<sup>th</sup> & 11<sup>th</sup> Feb 2011. Also presented a paper on “**Effects of *Vibrio Parahaemolyticus* infection on the Energy Reserves of Marine Prawn *Penaeus monodon***” Organized by Department of Marine Science, Bharathidasan University, Tiruchirappalli, TamilNadu, India.

#### **FACULTY DEVELOPMENT PROGRAMME**

1. Participated in Online one week National level FDP on “**Curriculum, Research and Innovation for Academic Excellence**” held from 01-02-2024 to 07-02-2024. Organized by PG and Research Department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020. Tamil Nadu, India
2. Participated in Online FDP on “**Advanced Characterization Techniques for Materials & Biology**” held from 11-12-2023 to 15-12-2023. Organized by Centre for Biomaterials, Cellular & Molecular Theranostics (CBCMT) at Vellore Institute of Technology (VIT),. Tamil Nadu, India.
3. Participated in Online FDP on “**International Virtual Faculty Developmental Programme on Current Trends in Life Sciences (CTLS-23)**” held from 27-11-2023 to 03-12-2023. Organized by Department of Zoology, Seethalakshmi Ramaswami College, Tiruchirappalli-620 002. Tamil Nadu, India.
4. Participated in Online FDP on “**Faculty Development Programme: Tools and techniques in Qualitative Research**” held from 30-12-2022 to 02-12-2022. Organized by Department of Zoology, St. Joseph University, Nagaland-797115. India.

#### **ONLINE WEBINAR AND E-QUIZ**

1. Participated in one day International Webinar on **“Production of Biomaterials using Supercritical Carbon dioxide for Tissue Engineering and Regenerative Medicine”** held on March 2, 2024. Organized by School of Life Sciences (SLS), B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai, India.
2. Participated in Online webinar on **“Nutritional Value of Insects for Human Consumption”** held on 18-02-2021. Organized by PG & Research Department of Zoology, Vivekanandha College of Arts and Sciences for Women (Autonomous), Elayampalayam, Tiruchengode, Namakkal, Tamilnadu, India.
3. Participated in Online webinar National Virtual Conference on **“Marine Bioprospecting and its role in Challengeable Diseases”** held on 11-12- Oct-2021. Conducted by Department of Marine Science, School of Marine Sciences, BharathidasanUniversity, Tiruchirappalli, Tamilnadu, India.
4. Participated in Online quiz series on **“Awareness on Genetics and Evolution”** held on 16-07-2020. Organized by Department of Zoology, Rajah Serfoji Government College (Autonomous), Thanjavur. Tamilnadu, India.
5. Participated in Online quiz series on **“Biotechnology”** held on 15-July-2020. Organized by Department of Biotechnology, Sri Vinayaga college of Arts and Science, Ulundurpet, Tamilnadu, India.
6. Participated in Online quiz series on **“Biodiversity and Conservation”** held on 14-20 - 07-2020. Organized by Department of Zoology, Sarah Tucker College (Autonomous), Tirunelveli. Tamilnadu, India.
7. Participated in Online quiz series on **“Ornithology”** held on 13-07- 2020. Organized by Department of Zoology, Rajah Serfoji Government College (Autonomous), Thanjavur. Tamilnadu, India.
8. Participated in Online quiz series on **“Research Methodology”** held on 10- 07- 2020. Organized by Department of Central Library, Xavier Engineering College, (Autonomous), Tirunelveli. Tamilnadu, India
9. Participated in Online quiz series on **“Zoonotic Disease Awareness”** held on 06 to 12- July- 2020. Organized by the Red Ribbon Club (RRC) in Association With Ek Bharat Shreshtha Bharat (EBSB) Club of Government Arts College (Autonomous), Karur, Tamilnadu.

10. Participation in the Webinar on “**Mind Achieves what it Conceives**” held on 04, July 2020. Organized by G. T. N. Arts College (Autonomous), Dindigul, Tamilnadu.
11. Participating in the special lecture Webinar on “**Impact of spike protein Mutations on accine coverage, Diagnosis and disease Severity of COVID-19: An insight from indian SARS-COV.2 Genome Analysis**” held on 24-06-2020. Organized by the Department of Microbiology, Rathinam College of Arts College, Coimbatore, Tamilnadu.
12. Participation in the Two Day International Motivational Webinar on “**Global Pandemic Challenge: Mental Health and Future Education**” held on 19 & 20, June 2020. Organized by the Department of Zoology, G. T. N. Arts College (Autonomous), Dindigul, Tamilnadu.
13. Participated in the International Web conference on “**Emergence of Alternative Therapeutic to Contagious Diseases**” held on 11&12-June-2020. Organized by the Department of Zoology, Sri Vasavi College, Erode, Tamilnadu.
14. Participated in the “Webinar series 2020” On “**Nanomaterial – based Biosensors for Biochemical Applications**” held on 09-June-2020. Organized by the Department of Biochemistry, Government Arts College for women, Krishnagiri, Tamilnadu.
15. Participated in Online webinar on “**Commemoration of World Oceans Day**” held on 08-06-2020. Conducted by Department of Marine Science, School of Marine Sciences, BharathidasanUniversity, Tiruchirappalli, Tamilnadu, India.

### **PARTICIPATED SEMINAR AND WORKSHOP**

1. Participated in the workshop on “**Bioresource Database in Research and Education**” held on December 10 and 11<sup>th</sup>, 2018. Organized by School of ecology and conservation, University of Agricultural Sciences, Bengaluru- 560 065.
2. Participated in the “**Medicinal Plants, Vegetables and Fruits Exhibition**” held on 26 March, 2018. Organized by Department of Botany Arignar Anna College (Arts & Science) Krishnagiri- 635 115.
3. Participated in the Science Academies’ Lecture workshop on “**Modern Trends in Biological Sciences**” held on 9 to 11 October, 2014. Organized by Post Graduate &

Research Department of Biotechnology, Nehru Memorial College (Autonomous), Puthanampatti- 621 007, Tiruchirappalli. Tamilnadu, India.

4. Participated in the National workshop on “**Resources and Technologies for Scholarly information**” held on 12<sup>th</sup> August, 2014. Organized by Department of Library and Information Science, Bharathidasan University, Tiruchirappalli- 620 024. Tamilnadu, India.
5. Participated in the National seminar on “**Transitioning young adults to colleges-strategies and challenges**” Held on 5<sup>th</sup> February- 2014. Organized by Department of Sociology, Bharathidasan University, Tiruchirappalli. Tamilnadu, India.
6. Participated in the regional workshop on “**Recent Trends in University- Industry Relations**” On 16<sup>th</sup> February- 2012. Organized by Department of Environmental Management, Bharathidasan University, Tiruchirappalli. Tamilnadu, India.
7. Participated in the “**National Conference on Marine Environmental Challenges and Coastal Zone Management Strategy**” Marina’12. On 13<sup>th</sup>-14<sup>th</sup> February- 2012. Organized by Department of Marine Science, Bharathidasan University, Tiruchirappalli. Tamilnadu, India.
8. Participated in the “**National Training cum Workshop on Analytical and Technical Advancement in AAS and GC (WATA-AG)**” held on 24-25 January- 2012. Organized by Department of Marine Science, Bharathidasan University, Tiruchirappalli. Tamilnadu, India.
9. Participated in the National Workshop on “**Petroleum Exploration**” (PETEX-2011). On 31<sup>st</sup> March to April 1<sup>st</sup> - 2011. Organized by Department of Geology, Bharathidasan University, Tiruchirappalli. Tamilnadu, India.
10. Participated in National Seminar on “**Coastal Typology**” held during March 15- 17, 2011. Organized by Department of Marine Science, Bharathidasan University, Tiruchirappalli. Tamilnadu, India.
11. Participated in the International Seminar on “**Biomedical Sciences and Technology**” on 2<sup>nd</sup> March 2011. Organized by Department of Biochemistry, Holy Cross College, Tiruchirappalli, Tamilnadu, India.

12. Participated in **National Seminar on “Current Scenario in Environmental Biotechnology”** held on 23<sup>rd</sup> & 24<sup>th</sup> February 2011. Organized by Department of Zoology, Jamal Mohamed College, Tiruchirappalli, Tamilnadu, India.
13. Participated in the National Conference on **“Marine Biodiversity- Present Status and Prospects” (MABPSAP- 2010)** held during 16<sup>th</sup> to 18<sup>th</sup> September- 2010. Organized by Department of Marine Science, Bharathidasan University, Tiruchirappalli, Tamilnadu, India.
14. Participated in the Workshop on **“Geo- Spatial technology for Natural Resources and Environmental Management”** held between 13<sup>th</sup> & 14<sup>th</sup> of September- 2010. In the Department of Geography, University of Madras, Chennai, Tamilnadu, India.
15. Participated in the National Workshop on **“Sustainable Production and Consumption”** held on 12-14, March – 2009. Organized by Department of Environmental Management, Bharathidasan University, Tiruchirappalli, Tamilnadu, India.
16. Participated in State Level Seminar on **“Scope of Organic Farming and Sustainable Agriculture”** on 28<sup>th</sup> February- 2009. Organized by Department of Marine Biotechnology, Bharathidasan University, Tiruchirappalli, Tamilnadu, India.
17. Participated in State Level Seminar on **“Emerging Scenario in Biosciences”** held on 7<sup>th</sup> & 8<sup>th</sup> March 2007. Organized by Department of Zoology, Periyar E.V.R College, Tiruchirappalli. Tamilnadu, India.

### **Declaration**

I certify that the above information is correct and complete to the best of my knowledge and belief and nothing has been concealed / distorted. If at any time I am found to have concealed, distorted any material/information, my appointment shall be liable to summary termination without notice/compensation.

Signature of candidate



**(G. VELSAMY)**