

**Dr. K. DASS., M.Sc., B.Ed., M.Sc (Psy), M.Phil., Ph.D.**

*Assistant Professor of Zoology*

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### **EDUCATIONAL QUALIFICATIONS**

<b>Degree</b>	<b>University</b>	<b>Institution</b>	<b>Year of pass</b>	<b>Percentage of marks</b>
<b>Ph. D (Zoology)</b>	Bharathidasan, Tiruchirappalli	Rajah Serfoji Govt. College, Thanjavur.	<b>2016</b>	<b>Highly commented</b>
<b>M. Phil (Zoology)</b>	Bharathidasan, Tiruchirappalli	Kadir Mohaideen College, Adirampattenam.	<b>2011</b>	<b>I Class with A<sup>+</sup></b>
<b>M. Sc (Psychology)</b>	Tamil University, Thanjavur.	Tamil University, Thanjavur.	<b>2018</b>	<b>I Class with D<sup>++</sup></b>
<b>M. Sc (Zoology)</b>	Bharathidasan, Tiruchirappalli	Rajah Serfoji Govt. College, Thanjavur.	<b>2010</b>	<b>I Class with A<sup>++</sup></b>
<b>B. Ed (Biological Science)</b>	Manonmaniam Sundaranar, Thirunelveli	N.V.K.S.D College of Education, Kanyakumari.	<b>2008</b>	<b>I Class with A</b>
<b>B. Sc (Zoology)</b>	Bharathidasan, Tiruchirappalli	Rajah Serfoji Govt. College, Thanjavur.	<b>2007</b>	<b>I Class with A<sup>++</sup></b>

### **Research Fellowship**

Tamil Nadu State Government Research Fellow

### **Title of M. Sc Thesis**

A NOVEL FEEDING METHOD TO PROMOTE THE GROWTH OF *Penaeus monodon* IN CULTURE POND AT KARANGUDA THANJAVUR DISTRICT, TAMILNADU, INDIA.

### **Title of M. Phil Thesis**

ISOLATION AND IDENTIFICATION OF MICROBES FROM *Penaeus monodon* AND ANALYSE THEIR ANTIBIOTIC SENSITIVITY.

### **Title of Ph. D Dissertation**

LARVICIDAL ACTIVITY OF METHANOLIC EXTRACT AND GREEN SYNTHESIZED SILVER NANO-PARTICLES OF SELECTED PLANTS ON *Culex quinquefasciatus*.

### **Editorial Board Member**

International Journal of Zoology Studies

### **Award**

Young Scientist Award -2015

## List of Training Programs/ Seminars/Workshops

S.no	TITLE	INSTITUTIONS	DATE	DAYS
<b>TRAINING PROGRAMMES</b>				
1.	<i>Short Term Course on Positive Discrimination</i>	<i>Rajah Serfoji Govt. College. Thanjavur</i>	<i>2010</i>	<b>1</b>
2.	<i>IBM-SPSS Training Program</i>	<i>Pondicherry University. Karaikal</i>	<i>04.12.2013</i>	<b>1</b>
3.	<i>Training on Taxonomy of Insects and Mites</i>	<i>University of Agricultural Science. Bengaluru</i>	<i>03.02.2015 – 23.02.2015</i>	<b>21</b>
4.	<i>A-5days Training Programme on Research Writing: Elements and Steps</i>	<i>Bharathidasan University. Tiruchirappalli</i>	<i>16.03.2015 - 20.03.2015</i>	<b>5</b>
5.	<i>One Day Awareness Cum Training Program on Shodhganga ETD Database</i>	<i>Bharathidasan University. Tiruchirappalli</i>	<i>06.11.2015</i>	<b>1</b>
6.	<i>Training Program on Human Right</i>	<i>Madurai Kamaraj University. Madurai</i>	<i>10.12.2015</i>	<b>1</b>
7.	<i>National Training Programe on Biodiversity of Marine Molluscs</i>	<i>Annamalai University. Parangipettai</i>	<i>15.02.2016</i>	<b>1</b>
8.	<i>National Training Programe on Field Sampling technique</i>	<i>Annamalai University. Parangipettai</i>	<i>16.02.2016</i>	<b>1</b>
9.	<i>National Training Programe on Marine Bio-recourse Utilization</i>	<i>Annamalai University. Parangipettai</i>	<i>17.02.2016</i>	<b>1</b>
10.	<i>ICAR-Inter School, Mariculture Technologies- Principles and Practices to Augment the Sea Food</i>	<i>CMFRI-Regional Center, Mandapam</i>	<i>06.11.2019- 26.11.2019</i>	<b>21</b>
11.	<i>Training Programme on “Human Rights”</i>	<i>Rajah Serfoji Govt. College. Thanjavur</i>	<i>21.01.2020</i>	<b>1</b>
<b>SEMINARS</b>				
12.	<i>National Seminar on Environment and Health</i>	<i>Bharathidasan University. Tiruchirappalli</i>	<i>30.10.2015</i>	<b>1</b>
13.	<i>National Seminar on Environmental Bioremediation Technologies</i>	<i>Bharathidasan University. Tiruchirappalli</i>	<i>27.03.2010</i>	<b>1</b>
14.	<i>National Seminar on E-Waste an Emerging Pollution</i>	<i>Rajah Serfoji Govt. College. Thanjavur</i>	<i>13.08.2012 - 14.08.2012</i>	<b>2</b>
15.	<i>National Seminar on Animal Transmitted Diseases In Tropics</i>	<i>Rajah Serfoji Govt. College. Thanjavur</i>	<i>26.09.2012- 27.09.2012</i>	<b>2</b>
16.	<i>National Seminar on Current Perspectives In Biological Science</i>	<i>Rajah Serfoji Govt. College. Thanjavur</i>	<i>11.10.2012 - 12.10.2012</i>	<b>2</b>
17.	<i>National Seminar on Climate Change Studies: An Organismal Approach</i>	<i>Sathyabama University. Chennai</i>	<i>27.03.2014 - 28.03.2014</i>	<b>2</b>
18.	<i>National Seminar on Health and Healthy Life Style</i>	<i>Rajah Serfoji Govt. College. Thanjavur</i>	<i>30.01.2015</i>	<b>1</b>
19.	<i>National Seminar on Resent Trends In Life Science</i>	<i>Jamal Mohamed College. Tiruchirappalli</i>	<i>25.02.2015</i>	<b>1</b>
20.	<i>National Seminar on Recent Trent and Future Advances In Life Science</i>	<i>Central University of Tamil Nadu. Thiruvarur.</i>	<i>26.02.2015 – 27.02.2015</i>	<b>2</b>
21.	<i>Mobile Banking system and Indian Economy</i>	<i>Bharathidasan University. Tiruchirappalli</i>	<i>03.02.2016</i>	<b>1</b>

22.	<i>One Day Seminar on Genome and Protein Engineering</i>	<i>Bharathidasan University. Tiruchirappalli</i>	<i>12.02.2016</i>	<b>1</b>
23.	<i>National Seminar on Strengthening the participation of Youth in Environment protection</i>	<i>Rajah Serfoji Govt. College. Thanjavur</i>	<i>25.02.2016 – 26.02.2016</i>	<b>2</b>
24.	<i>National Seminar on Resent Trends and Challenges in Bioscience</i>	<i>Kadir Mohaideen College, Adirampattanam.</i>	<i>16.10.2016</i>	<b>1</b>
25.	<i>National Seminar on sensitizing the women on environment issues.</i>	<i>Rajah Serfoji Govt. College. Thanjavur</i>	<i>22.03.2018 – 23.03.2018</i>	<b>2</b>
26.	<i>National seminar on Human Microbiota-An Ecological Approach</i>	<i>St. Joseph College. Tiruchirappalli</i>	<i>22.01-2020</i>	<b>1</b>
27.	<i>National seminar on Cancer biology and epidemic disease</i>	<i>Meenakshi Chandrasekaran Collegof Arts and science for women. Karambayam</i>	<i>30.01.2020</i>	<b>1</b>
<b>WORKSHOPS</b>				
28.	<i>Personality Enhancement and Interview Techniques</i>	<i>Rajah Serfoji Govt. College.Thanjavur</i>	<i>19.09.2009</i>	<b>1</b>
29.	<i>Geomantic Based Natural Resources Disaster Mitigation and Managements</i>	<i>Tamil University. Thanjavur</i>	<i>22.02.2010 - 26.02.2010</i>	<b>5</b>
30.	<i>Data Dissemination Workshop on Houses, Household Amenities And Assets</i>	<i>Bharathidasan University. Tiruchirappalli</i>	<i>31.07.2012</i>	<b>1</b>
31.	<i>National Workshop on Statistical Package and Their Application In Life Science</i>	<i>Rajah Serfoji Govt. College.Thanjavur.</i>	<i>07.08.2014 – 08.08.2014</i>	<b>2</b>
32.	<i>Workshop On Concepts And Applications of SPSS Packages In Biological Science</i>	<i>Rajah Serfoji Govt. College.Thanjavur</i>	<i>20.02.2014</i>	<b>1</b>
33.	<i>National Workshop on Statistical Analysis of Biological and Biomedical Data</i>	<i>Rajah Serfoji Govt. College.Thanjavur</i>	<i>24.01.2015 - 25.01.2015</i>	<b>2</b>
34.	<i>Lecture Workshop on Bio-prospecting and Bio-resources</i>	<i>St. Joseph College. Tiruchirappalli</i>	<i>10.02.2016 – 12.02.2016</i>	<b>2</b>
35.	<i>Lecture Workshop on Innovation in Bioscience</i>	<i>Bharathiar University. Coimbatore</i>	<i>22.02.2016 - 23.02.2016</i>	<b>2</b>
36.	<i>National Workshop on Apiculture For Employment of Rural Youth</i>	<i>Rajah Serfoji Govt. College.Thanjavur.</i>	<i>05.09.2019</i>	<b>1</b>
37.	<i>Workshop on Advanced Techniques in Biotechnology</i>	<i>Sourashtra College, Madurai</i>	<i>31.01.2020</i>	<b>1</b>
38.	<i>Regional workshop on Histopathological technique</i>	<i>St. Joseph College. Tiruchirappalli</i>	<i>05.02.2020</i>	<b>1</b>
<b>CONFERENCES</b>				
39.	<i>National Conference on Innovations, Implementation And Controversies of Animal Biotechnology</i>	<i>Bharathidasan University. Tiruchirappalli</i>	<i>20.03.2014 21.03.2014</i>	<b>2</b>
40.	<i>National Conference on Trends in Health and Biotechnology: Opportunities and Challenges</i>	<i>A.Veeriya Vandayar Memorial Sri Pushpam College-Poondi-Thanjavur</i>	<i>22.01.2016 - 23.01.2016</i>	<b>2</b>
<b>SYMPOSIUMS</b>				
41.	<i>National Level Symposium on Emerging Trends In Life Science</i>	<i>Rajah Serfoji Govt. College. Thanjavur</i>	<i>17.03.2010 - 19.03.2010</i>	<b>3</b>
42.	<i>Symposium On Recent Trends In Shrimp Farming</i>	<i>Annamalai University. Parangipettai.</i>	<i>25.03.2014</i>	<b>1</b>
<b>AWARENESS PROGRAMMES</b>				
43.	<i>Awareness Programme on Environmental Pollution, Occupational Health Hazards and Its</i>	<i>Rajah Serfoji Govt. College. Thanjavur</i>	<i>06.01.2010 - 07.01.2010</i>	<b>2</b>

	<i>Impact on Human And Animal Health For School and College Students</i>			
44.	<i>National Environment Awareness Campaign</i>	<i>Rajah Serfoji Govt. College. Thanjavur</i>	<i>10.10.2012</i>	<b>1</b>
<b>POPULAR LECTURES</b>				
45.	<i>Popular lecture on biotechnology</i>	<i>Rajah Serfoji Govt. College. Thanjavur</i>	<i>30.01.2013</i>	<b>1</b>
46.	<i>Popular lecture on biotechnology</i>	<i>Rajah Serfoji Govt. College. Thanjavur</i>	<i>18.07.2018</i>	<b>1</b>
<b>YOUNG SCIENTIST AWARD -2015</b>				
47.	<i>A state level Technical Project Presentation</i>	<i>Thanjavur</i>	<i>15.10.2015</i>	<b>1</b>
<b>REFRESHER COURSE</b>				
48.	<i>Science Academies Refresher Course In Water</i>	<i>K.M. Cariappa College. Madikeri, Karnataka</i>	<i>16.12.2015 - 29.12.2015</i>	<b>14</b>
49.	<i>Science Academies Refresher Course on Know to Unknown Techniques in Biology</i>	<i>St.Joseph's College, Tiruchirappalli.</i>	<i>01.11.2018 - 15.11.2018</i>	<b>14</b>
50.				
<b>FACULTY DEVELOPMENT PROGRAM</b>				
51.	<i>Developing Professional Competence</i>	<i>Annai Vailankanni Arts and Science College, Thanjavur.</i>	<i>30.06.2018</i>	<b>1</b>
52.	<i>Eminences With Elegance In Teaching</i>	<i>Ganam school of Business. Thanjavur.</i>	<i>01.09.2018</i>	<b>1</b>
53.	<i>Project and Proposal for Funding Agencies</i>	<i>Patrician College of Arts and Science</i>	<i>16.05.2020-17.05.2020</i>	
54.	<i>Digital Entrepreneurship and Investment</i>	<i>Bon Secours College, Thanjavur.</i>	<i>29.05.2020-02.06.2020</i>	<b>5</b>
55.	<i>ITC Tools for Teaching and Learning</i>	<i>Periyar University,Salem</i>	<i>21.10.2020-29.10.2020</i>	<b>9</b>
56.	<i>Strategic Resilience and organization Agility</i>	<i>Valluvar College of Science and Management.Karur</i>	<i>26.05.2021-31.05.2021</i>	<b>05</b>
<b>WEBINARS</b>				
57.	<i>Controlled Released Formulation</i>	<i>SASTRA University.Thanjavur</i>	<i>26.05.2020</i>	<b>1</b>
58.	<i>Anti Fungal Drug Resistant and Management</i>	<i>SASTRA University.Thanjavur</i>	<i>23.05.2020</i>	<b>1</b>
59.	<i>Recent Trent in life science</i>	<i>G.T.N Arts and Science College.Dindigul</i>	<i>04.07.2020</i>	<b>1</b>
60.	<i>Animal Communication: From Microbes to Mammals</i>	<i>Annai Vailankanni Arts and Science College.Thanjavur</i>	<i>23.07.2020</i>	<b>1</b>
61.	<i>Marine Microbes - A Wonder of the World</i>	<i>Karpagam Higher Education, Coimbatore</i>	<i>11.12.2020.</i>	<b>1</b>
62.	<i>Advanced Zoological Research Approaches</i>	<i>Zoology Syed Ammal Arts and Science College, Ramanathapuram</i>	<i>21.02.2021-22 .02.2021</i>	<b>2</b>
63.	<i>Zebra fish infectious disease models</i>	<i>SASTRA University.Thanjavur</i>	<i>11.07. 2020</i>	<b>1</b>
64.	<i>Resistant Modulators: A possible solution for AMR</i>	<i>SASTRA University.Thanjavur</i>	<i>09.072020</i>	<b>1</b>
65.	<i>Living Capsules In Aquaculture</i>	<i>Bharathidasan University. Tiruchirappalli</i>	<i>13.10.2020-17.10.2020</i>	<b>05</b>
66.	<i>A Detailed Deliberation on Corona</i>	<i>C.AbdulHakeem College.Melvishram</i>	<i>11.05.2020</i>	<b>1</b>
67.	<i>Survival Games Played by Bacteria</i>	<i>SASTRA University.Thanjavur</i>	<i>14.05.2020</i>	<b>1</b>
68.	<i>Choices and Current Trends in Drug Product</i>	<i>SASTRA</i>	<i>19.05.2020</i>	<b>1</b>

	<i>Development</i>	<i>University.Thanjavur</i>		
69.	<i>Gene and Drug Delivery Systems for Therapeutic Applications</i>	SASTRA <i>University.Thanjavur</i>	29.05.2020	<b>1</b>
70.	<i>Institute and industry partnership for future work force development</i>	<i>Rajah Serfoji Govt. College. Thanjavur</i>	15.06.2020	<b>1</b>
71.	<i>Impact of COVID-19 on Indian Economy</i>	<i>C.AbdulHakeem College.Melvishram</i>	12.05.2020	<b>1</b>
72.	<i>Health And Environment At Pandemic Times</i>	<i>Centre for Environmental Education and Ecological Development</i>	19.01.2021	<b>1</b>
73.	<i>Microplastics in the Marine Environment</i>	<i>Bharathidasan University. Tiruchirappalli</i>	25.11.2020-27.11.2020	<b>03</b>
74.	<i>CRISPR-A Molecular Weapon to Combat Infectious Disease</i>	SASTRA <i>University.Thanjavur</i>	13.07.2020	<b>1</b>
75.	<i>Impact of multidrug resistance in burn injuries</i>	SASTRA <i>University.Thanjavur</i>	08.07.2020	<b>1</b>
76.	<i>Emerging Opportunities in Bioengineering and Medical nanotechnology</i>	SASTRA <i>University.Thanjavur</i>	30.05.2020	<b>1</b>
77.	<i>Silicate Coated Up converting nanoparticle for Optical Diagnosis Application</i>	SASTRA <i>University.Thanjavur</i>	27.05.2020	<b>1</b>
78.	<i>Biomemicy and Sustainable Development</i>	<i>Punyashlik Ahilyadevi Holkar Solapur University.Solapur</i>	04.01.2021	<b>1</b>
79.	<i>Webinar on Covid-19 Catastrophe lessons learned and future Directions</i>	<i>Osmania University</i>	16.05.2020	<b>1</b>

## PAPER PRESENTATION

1	<i>Presented a paper on “Isolation and identification of active compounds in selected medicinal plants against Culex Mosquito” in National Conference on Innovations, Implementation And Controversies of Animal Biotechnology at Bharathidasan University. Tiruchirappalli on 20.03.2014 - 21.03.2014</i>
2	<i>Presented a paper on National Conference on Trends in Health and Biotechnology: Opportunities and Challenges “Larvicidal Activity of Colocasia esculenta and Wrightia tinctoria Leaf Extract Against Culex quinquefasciatus” at A.Veeriya Vandayar Memorial Sri Pushpam College-Poondi-Thanjavur on 22.01.2016 -23.01.2016</i>
3	<i>National Seminar on Resent Trends In Life Science “Larvicidal Activity of green synthesised silver nano particles using Coleus aromaticus and Wrightia tinctoria leaf extract against filarial vector”. Jamal Mohamed College. Tiruchirappalli on 25.02.2015.</i>
4	<i>National Seminar on Current Perspectives In Biological Science “Larvicidal Activity of selected plants extracts against Culex quinquefasciatus” Rajah Serfoji Govt. College. Thanjavur on .10.2012 -12.10.2012.</i>
5	<i>National Seminar on Recent Trent and Future Advances In Life Science “Green synthesized silver nano particles using Aegle marmelos and Colocasia esculenta leaf extracts against Culex quinquefasciatus”. Central University of Tamil Nadu. Thiruvarur on 26.02.2015 – 27.02.2015</i>

## Area of Research Interest

- i). *Larvicidal activity.*
- ii). *Insect diversity.*
- iii). *Toxicology.*
- iv). *Sociobiology*
- v). *Nano-technology.*

## LIST OF ARTICLE PUBLICATIONS

- 1. Dass. K and Mariappan. P** (2014) Larvicidal Activity of *Aegle marmelos*, *Coleus aromaticus* and *Vitex negundo* Leaf Extract Against Filarial Vector *Culex quinquefasciatus*. *Turkish Journal of Agricultural and Natural Science*, Special Issue: 1, 858-862.
- 2. Dass. K and Mariappan. P** (2014) Larvicidal Activity of *Lawsonia inermis* and *Murraya exotica* Leaves Extract on Filarial Vector, *Culex quinquefasciatus*. *International Journal of Mosquito Research*, 1(2): 27-30.
- 3. Dass. K and Mariappan. P** (2014) A Study on Diversity of Mosquitoes Fauna in Thanjavur Urban, Tamil Nadu, India. *International Journal of Fauna and Biological Studies*. 1(5): 38-40.
- 4. Dass. K and Mariappan. P** (2016) Larvicidal Activity of *Colocasia esculenta*, *Eclipta prostrata* and *Wrightia tinctoria* Leaf Extract Against *Culex quinquefasciatus*. *Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.* 86(1):139-143. DOI 10.1007/s40011-014-0423-7.
- 5. Dass. K and Mariappan. P** (2018) Insecticidal activity of Green Synthesized silver Nanoparticles using *Coleus aromaticus* and *Wrightia tinctoria* Leaf Extracts against *Culex quinquefasciatus*. *Vector Biology Journal*, 3(2):1-7. doi: 10.4172/2473-4810.100013.
- 6. Dass. K** (2020) Larvicidal and pupicidal activity of green synthesized silver nanoparticles using selected plants extract against *Culex quinquefasciatus*. *International Journal of Mosquito Research*, 7(6): 40-45
- 7. Dass. K and Mariappan P** (2020) Effect of Plant Extracts and Synthesized Silver Nanoparticles on Mosquito Predation of *Culex (Lutzia) fascianus*. *International Journal of Zoology Studies*. 5(6):20-23
- 8. Dass. K and Mariappan P (2020)** Diversity of Butterfly In Selected Pockets of Pattukkottai Taluk, Thanjavur, Tamailnadu, India. *International Journal of Entomology Research*. 5(6): 189-192

## LIST OF BOOK PUBLICATIONS

S.No	Name of the book	Author	ISBN
1	Public Health and Hygiene - (English version)	Dr.K.DASS	9781639209606
2	Public Health and Hygiene - (Tamil version)	Dr.K.DASS	9781639209613

## DECLARATION

I hereby declare the above informations are genuine to my conscience

  
(Dr. K. DASS)