



**Dr. R. THIRUMURUGAN**  
**Professor**

## Contact

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## Academic Qualifications: M.Sc./M.Phil./Ph.D./

**2000**

**Doctor of Philosophy in Zoology**

Bharathidasan University, Tiruchirappalli, Tamil Nadu.

**1995**

**Diploma in Industrial Pollution and Control**

Annamalai University, Chidambaram, Tamil Nadu.

**1994**

**Master of Science in Zoology**

Annamalai University, Chidambaram. Tamil Nadu.

## Teaching Experience: 18 Years

2014 – Till date	Professor Department of Animal Science School of Life Sciences Bharathidasan University, Tiruchirappalli – 620 024 Tamil Nadu.
2011 – 2014	Associate Professor Department of Animal Science School of Life Sciences Bharathidasan University, Tiruchirappalli – 620 024 Tamil Nadu.
2007 – 2011	Assistant Professor Department of Zoology The Madura College (Autonomous), Madurai – 625 011 Tamil Nadu.
2003 – 2007	Lecturer Department of Zoology & Microbiology Thiagarajar College (Autonomous), Madurai – 625 009 Tamil Nadu.
2000 – 2003	Lecturer Department of Biotechnology Ponnaiyah Ramajayam College, Thanjavur – 614 904 Tamil Nadu.

## Research Experience: 25 Years

## Additional Responsibilities

1. Head, Department of Animal Science, Bharathidasan University, Tiruchirappalli - 620 024 from 06<sup>th</sup> January 2021 onwards.
2. Head (i/c), Department of Animal Science, Bharathidasan University, Tiruchirappalli - 620 024 from 03<sup>rd</sup> January 2020 to 02<sup>nd</sup> July 2020.
3. Deputy Co-ordinator, UGC-SAP-DRS-II, Department of Animal Science, Bharathidasan University, Tiruchirappalli, from 5<sup>th</sup> April 2018 onwards.
4. Co-ordinator, Central Instrumentation Facility Centre, Bharathidasan University, Tiruchirappalli from 5<sup>th</sup> March 2018 onwards.
5. Co-ordinator, National Centre for Alternatives to Animal Experiments (NCAAE), UGC -CPEPA Scheme, Bharathidasan University, Tiruchirappalli (2016-2021).
6. Controller of Examinations (i/c), Bharathidasan University, Tiruchirappalli from 8<sup>th</sup> February 2016 to 30<sup>th</sup> January 2018.
7. Deputy Controller of Examinations (i/c), Bharathidasan University, Tiruchirappalli from 18<sup>th</sup> May 2011 to 15<sup>th</sup> October 2014.

## Areas of Research

- ❖ Aquaculture Nutrition
- ❖ Aquatic Pathology
- ❖ Aquatic Toxicology
- ❖ Aquabiotics
- ❖ Nanoscience

## Research Supervision / Guidance

Program of Study		Completed	Ongoing	Submitted
Research	Ph.D.	05	07	01
	M.Phil.	34	01	
Project	PG	18	04	
	UG / Others	06/24	-	

## Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
51	01	05	03	04

**Cumulative Impact Factor (as per JCR) :** 101.781  
**h-index :** 17  
**i10 index :** 22  
**Total Citations :** 964

\*as on 08.01.2020

## Funded Research Projects

### Completed Projects: 05

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	UGC (Minor) (Co-investigator)	2004	2005	Utilization of waste banana peels and <i>Millingtonia hortensis</i> flowers in vermicomposting.	0.90
2	UGC (Major)	2010	2013	Molecular characterization of bacteria isolated from freshwater fishes and their potential use as probiotics.	10.58
3	DST-FAST TRACK	2013	2016	Study on developing an innovative chemical finger printing tool to defend fish bacterial diseases.	23.17
4	UGC-DAE Consortium For Scientific Research	2013	2016	Synthesis and characterization of metal nanoparticles using selective plants from Kolli hills: applications on human health and environmental remediation.	7.09
5	DBT	2015	2018	Dynamics of vitellogenin and vitellogenin receptor expression profile during different stages of maturation and spawning in the life cycle of two consecutive generation of the eye ablated prawn, <i>Macrobrachium rosenbergii</i>	30.57

### Ongoing Projects: -

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
-	-	-	-	-	-

### Consultancy Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1.	-	-	-	-	-

Others: Nil

## Patents

Nil

## Distinctive Achievements / Awards

1. Senior Research Fellow (1997-2000), Council of Scientific and Industrial Research, Government of India.
2. DST-FAST TRACK Young Scientist (2013-2016), Department of Science and Technology, Government of India.
3. UGC Raman Post Doctoral Research Fellow (2014-2015), University Grants Commission (UGC), Government of India; Auburn University, Alabama, United States of America.

## Events organized in leading roles

**Number of Seminars / Conferences / Workshops / Events organized: 06**

**Sessions chaired: 04**

**Resource Person/Convenor: 02**

1. Co-ordinator for the **UGC-Sponsored Refresher Course Bio-Sciences** held at Bharathidasan University, Tiruchirappalli, Tamil Nadu from 11.12.2020 to 24.12.2020.
2. Resource person in **UGC-Sponsored course** conducted by UGC-HRDC, at Bharathidasan University, Tiruchirappalli, Tamil Nadu on 24<sup>th</sup> July 2019.
3. Organizing Secretary for the National Conference on **“Technologies and Prospects of Fisheries and Aquaculture (NCTPFA-2018)”** sponsored by DST-PURSE-II and UGC-SAP-DRS-II held at Bharathidasan University, Tiruchirappalli, Tamil Nadu on 9<sup>th</sup> March, 2018.
4. Co-Organizing Secretary for the National Conference on **“Environmental Biotechnology: Opportunities and Challenges, Department of Biotechnology”** Nehru Memorial College (Autonomous), Puthunampatti, Tiruchirappalli. Tamil Nadu on 2018.
5. Acted as Chair Person of the International Conference on **“Physiology and Medicine”** held at Department of Zoology, Periyar University, Salem, Tamil Nadu during 15<sup>th</sup>-17<sup>th</sup> October, 2014.
6. Organizing Secretary for the National Conference on **“Innovations, Implementations and Controversies of Animal Biotechnology”** sponsored by NFDB, DST, DST-PURSE-II and UGC-XII Plan held at Bharathidasan University, Tiruchirappalli, Tamil Nadu during 20<sup>th</sup> and 21<sup>st</sup> March, 2014.
7. Convenor for the National Conference on **“Evolutionary Trends in Biological and Pharmaceutical Chemistry (NCETBP-2014)”** held at Holy Cross College (Autonomous), Tiruchirappalli, Tamil Nadu during 30<sup>th</sup> and 31<sup>st</sup> January, 2014.

8. Acted as Chair Person of **“Indo-UK Conference”** held at Department of Bioinformatics Bharathidasan University, Tiruchirappalli, Tamil Nadu during 25<sup>th</sup> and 26<sup>th</sup> January, 2012.
9. Organizing Secretary for the National Seminar on **“Challenges in Animal Biotechnology and Environmental Management Research”** held at Bharathidasan University, Tiruchirappalli, Tamil Nadu on 23<sup>rd</sup> June, 2011.
10. Acted as Chair Person the Annual Conference of **“Ethological Society of India (ACESI-2011) & Symposium on Chemicals Signals in Animal Welfare (CSAW-2011)”** held at Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli, Tamil Nadu on 2011.
11. Co-Ordinator for the National Workshop on **“Recent Techniques in Biotechnology”** held at Thiagarajar College (Autonomous), Madurai, Tamil Nadu during 23<sup>rd</sup> February - 11<sup>th</sup> March, 2005.
12. Acted as Co-chair person the **“NABS in Collaboration with Department of Microbiology”** held at Bharathidasan University, Tiruchirappalli, Tamil Nadu.

### Events Participated (optional)

#### Conferences / Seminars / Workshops: 27

#### International level: 04

1. **“Environmental Risk Assessment 2011”** held at Bharathiar University, Coimbatore, Tamil Nadu, India during 17<sup>th</sup>-19<sup>th</sup> October, 2011.
2. Conference on **“Natural Products and Biomedical Technology (ICNPBT - 2011)”** held at Department of Biochemistry and Biotechnology & Faculty of Marine Sciences, Annamalai University, Chidambaram, Tamil Nadu, India during 10<sup>th</sup> and 12<sup>th</sup> January, 2011.
3. Workshop on **“Molecular Microbial Pathology”** held at Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India during 12<sup>th</sup> - 18<sup>th</sup> March, 2008.
4. **“Data Analysis and Data Mining in Proteomics and the Satellite Mascot Workshop”** held at National University of Singapore, Singapore during 9<sup>th</sup>-12<sup>th</sup> May, 2005.

#### National level: 19

5. Orientation workshop on **“SWAYAM”** held at Department Library & Information Science and UGC- Human Resource Development Centre, Bharathidasan University, Tiruchirappalli, Tamil Nadu during 3<sup>rd</sup> May, 2018.
6. UGC-Sponsored Two day Workshop for Academic Administrators on **“Institutional Assessment and Accreditation”** held at UGC- Human Resource Development centre and Internal Quality Assurance Cell at Bharathidasan University, Tiruchirappalli, Tamil Nadu during 12<sup>th</sup>-13<sup>th</sup> March, 2018.

7. **“CPCSEA on Welfare of Laboratory Animals”** held at Government of India Ministry of Environment, Forest and Climate Change Animal Welfare Division committee for the purpose of control and supervision of Experiments on Animals (CPCSEA), New Delhi during 9<sup>th</sup> January, 2018.
8. Workshop on **“Quality Research Report Writing”** for Research Advisors/Guides, held at CDC, Bharathidasan University, Tiruchirappalli, Tamil Nadu during 28<sup>th</sup> February, 2014.
9. Seminar on **“Recent Trends in Microbial Technology with Reference to Extremophiles”**, held at Periyar University, Salem, Tamil Nadu during 21<sup>st</sup> and 22<sup>nd</sup> October, 2010.
10. Conference on **“Bioprospecting of Marine Resources with Special Reference to Marine Natural Products and Drug Discovery”** held at Alagappa University, Karaikudi, Tamil Nadu during 25<sup>th</sup> and 27<sup>th</sup> August, 2010.
11. Workshop on the **“Digitalized CD ROM Animal Alternatives to Replace the Animals used in Zoology Practical Curriculum”** held at Department of Zoology, Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi, Tamil Nadu during 5<sup>th</sup> February, 2009.
12. Seminar on **“Cytogenetics”** held at Post-Graduate Department of Biotechnology, Ponnaiyah Ramajeyam College, Thanjavur, Tamil Nadu during 6<sup>th</sup> March, 2002.
13. Seminar on **“Ecofriendly Products for Crop Protection”** held at Post-graduate Department of Microbiology, Ponnaiyah Ramajayam College, Thanjavur, Tamil Nadu during 27<sup>th</sup> September, 2001.
14. Workshop on **“Aquaculture Medicine organized by Centre for Fish Disease Diagnosis and Management”** held at School of Environmental Studies, Cochin University of Science and Technology, Kochi, Kerala during 18<sup>th</sup>-20<sup>th</sup> January, 2001.
15. **“National Aquaculture Week 1997”** held at Indian Council of Agriculture Research and Aquaculture foundation of India. Neelankarai, Chennai, Tamil Nadu during 31<sup>st</sup> January - 01<sup>st</sup> February, 1997.
16. Workshop on **“Radiation Ecology”** held at Jamal Mohamed College, Tiruchirappalli, Tamil Nadu during 29-30<sup>th</sup> March, 1996.
17. Workshop on **“Application of Statistics in Biological Research”** held at Department of Animal Science, Bharathidasan University, Tiruchirappalli, Tamil Nadu during 5<sup>th</sup> and 6<sup>th</sup> March, 1996.
18. Workshop on **“Chromatographic Techniques”** held at Kongunadu Arts College, Coimbatore, Tamil Nadu during 26-28<sup>th</sup> April, 1995.
19. Seminar on **“Solid Waste Management Programme”** held at EXNORA International, Bishop Heber College, Tiruchirappalli, Tamil Nadu during 1<sup>st</sup> April, 1995.

### State Level: 03

20. Seminar on **“Biodiversity is Life Biodiversity is Our Life”** held at Department of Botany, The Madura College (Autonomous), Madurai during 12<sup>th</sup> October, 2010.
21. Workshop of **“IPR and Patent Awareness”** held at Department of Microbiology, Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi during 16<sup>th</sup> September, 2004.
22. Workshop on **“Vermitechnology for Eco-friendly waste management”** held at Department of Zoology and Biochemistry, Kongunadu Arts & Science College, Coimbatore during 5-7<sup>th</sup> August, 2004.

### Other Training Programs: 06

23. ICAR sponsored Short course on **“Application of Advanced Molecular methods in Marine Fishery Resource Management, Conservation and Sustainable Mariculture”** held at Marine Biotechnology Division, CMFRI, Kochi, Kerala, India during 24<sup>th</sup> October 2018 – 2<sup>nd</sup> November, 2018.
24. Certificate Course Program on **“Applied Physiology of Pain, Analgesia, Anesthesia and Euthanasia for Laboratory Animals conducted by Sri Lanka Association for Laboratory Animal Science (SLALAS)”** in collaboration with The Comparative Biology Centre, Newcastle University, UK, 30<sup>th</sup> October - 3<sup>rd</sup> November, 2017.
25. Training Programme on **“Sustainable Shrimp Framing-Way Forward”**, TNFU, Chennai, Tamil Nadu, India during 13<sup>th</sup> and 14<sup>th</sup> June, 2014.
26. Training Course on **“Aspects of Remote sensing”**, held at Department of Geology, School of Geo Sciences, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India during 26<sup>th</sup>-30<sup>th</sup> October 2006.
27. Training Programme on **“Identification of Flora and Fauna in Mangrove Ecosystems”**, (All India Co-ordinated Project on Coastal and Marine Biodiversity), held at Centre of Advanced study in Marine Biology, Annamalai University, Parangipettai, Tamil Nadu, India during 3<sup>rd</sup>-12<sup>th</sup> April, 2002.

### Overseas Exposure / Visits

1. Sri Lanka
2. USA
3. Malaysia
4. China
5. Singapore



## Membership in

### Professional Bodies

1. Member in World Aquaculture Society
2. Member in International Society of Zoological Sciences
3. Member in Association of Microbiologists of India
4. Member in International Scientific Association for Probiotics and Prebiotics

### Editorial Board

1. Editorial Board Member in International Journal of Fisheries and Aquaculture Sciences (IJFAS), India.

### Advisory Board

1. Advisory committee member in International conference on Recent trends in Microbiology (RTM-2016), Alagappa University, Karaikudi, Tamil Nadu, India.
2. Advisory committee member to the Editorial Board- INSPIRE –NMC Journal of Science and Humanities, India.

### Academic Bodies (such as Board of Studies etc.,)

#### 1. Member of Board of Studies : 17

- Member of Board of Studies in Department of Zoology, H.H. The Rajah's College, (Autonomous) Pudukkottai from 03.05.2017 to 02.05.2020.
- Member of Board of Studies in Department of Zoology, Periyar E.V.R. College (Autonomous), Tiruchirappalli from 13.02.2017 to 12.02.2019.
- Member of Board of Studies in Department of Zoology, A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai from 22.08.2016 to 21.08.2018.
- Member of Board of Studies in Department of Zoology, A.V.V.M. Sri Pushpam College, (Autonomous), Poondi, Thanjavur from 07.09.2016 to 06.09.2018.
- Member of Board of Studies in Department of Zoology, Seethalakshmi Ramaswami College (Autonomous), Tiruchirappalli from 27.06.2016 to 26.06.2018
- Member of Board of Studies in Department of Zoology, Holy Cross College (Autonomous), Tiruchirappalli from 02.04.2016 to 26.06.2017.
- Member of Board of Studies in Department of Animal Health and Management, Alagappa University, Karaikudi from 17.11.2017 to 16.11.2020.
- Member of Board of Studies in Department of Zoology, Affiliated Colleges, Alagappa University, Karaikudi from 2017 to 2020.
- Member of Board of Studies in Department of Microbiology, Alagappa University, Karaikudi from 07.03.2016 to 06.03.2019.

- Member of Board of Studies in Department of UG and PG Biotechnology and PG Gene Technology, Bharathidasan University, Tiruchirappalli from 01.04.2012 to 31.03.2015.
- Member of Board of Studies in Department of Microbiology, Thiagarajar College (Autonomous), Madurai from 2013 to 2015.
- Member of Board of Studies in Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti from 30.04.2013 to 29.04.2015.
- Member of Board of Studies in Department of Zoology, Bishop Heber College (Autonomous), Tiruchirappalli from 11.06.2013 to 10.06.2015.
- Member of Board of Studies in Department of Zoology, Government Arts College (Autonomous), Kumbakonam from 17.02.2018 to 16.02.2021.
- Member of Board of Studies in Department of Zoology, National College (Autonomous), Tiruchirappalli from 19.01.2017 to 18.01.2019.
- Member of Board of Studies in Department of Zoology, Periyar University, Salem from 2018 to 2019.
- Member of Board of Studies in Department of Zoology, Sadakathullah Appa College (Autonomous), Tirunelveli on 2018.

## **2. Member of Academic and Administrative Expert in Various Committees: 39**

- Chair person in the Inspection committee for the grant of provisional affiliation to start new Govt. Arts & Science College (Co-ed), Jayankondam.
- External Examiner for Final Year Project (B.Tech and M.Tech), Kalasalingam Academy of Research and Education, Krishnankoil.
- Member of subject expert screening committee in the recruitment of Professor and Assistant Professor in Department of Environmental Science, Bharathiar University, Coimbatore.
- University Representative/ Subject Expert for the selection committee of Assistant Professor in Nutrition & Dietetics, Seethalakshmi Ramaswami College (Autonomous), Tiruchirappalli.
- University Representative to the Governing Body, A.V.V.M. Sri Pushpam College, (Autonomous), Poondi, Thanjavur.
- Subject Expert for the selection of Assistant Professor in Department of Zoology, A.V.V.M. Sri Pushpam College, (Autonomous), Poondi, Thanjavur.
- University Representative for the selection committee of Assistant Professor in Economics, Urumu Dhanalakshmi College, Tiruchirappalli.
- Member in Inspection committee for having additional section in B.Sc Biotechnology, E.G.S. Pillai Arts and Science College, Nagapattinam.
- Member in Re-inspection committee for having additional section in B.Sc Biotechnology, E.G.S. Pillai Arts and Science College, Nagapattinam.
- Expert for Skill Test Expert for the Selection of Field Assistant in Department of Oceanography and Coastal Area Studies, Alagappa University, Karaikudi.
- Panel member in the selection committee for the selection of non-teaching staff, Alagappa University College of Arts and Science, Paramakudi.

- Panel member in the selection committee of Assistant Professor in Department of Zoology, Nehru Memorial College, (Autonomous), Puthanampatti, Tiruchirappalli.
- External Expert for the Selection of Research Fellow in DST-SERB Project, Alagappa University, Karaikudi.
- Panel member in the selection committee for Junior Research Fellow in DST-EMEQ Project, Department of Animal Science, Bharathidasan University, Tiruchirappalli.
- Member in Evaluation of SET 2011, Bharathiar University, Coimbatore
- Member of the selection committee for the post of Assistant professor in Zoology, Directorate of Distance Education, Madurai Kamaraj University, Madurai.
- Subject Expert for the Selection of Project Fellow in UGC Major Research Project, Department of Biotechnology, Bharathidasan University, Tiruchirappalli.
- Subject Expert for the Selection of Project Fellow in UGC Major Research Project, Govt. Arts College, (Autonomous), Karur.
- Member in M.Tech course entrance examination committee, Bharathidasan University, Tiruchirappalli.
- University Representative to the Governing Body, Dhanalakshmi Srinivasan Arts and Science College for Women, Perambalur.
- Member of Inspection Committee for the approval of Ph.D. programme in Department of Zoology, Bishop Heber College, Tiruchirappalli.
- External Expert for upgradation of RGNF-JRF to RGNF-SRF in Department of Zoology, Bharathiar University, Coimbatore.
- Member of Selection Committee for the selection of Principal, Nehru Memorial College, (Autonomous), Puthanampatti, Tiruchirappalli.
- Member of Selection Committee for the selection of Principal, Dharmapuram Adhinam Arts College, Mayiladuthurai.
- Expert for the selection of permanent staff from daily wages on the basis of compassionate grounds, Bharathidasan University, Tiruchirappalli.
- Expert for the selection of section officer, Bharathidasan University, Tiruchirappalli.
- Expert for the selection of Office Assistant and Gardener, Bharathidasan University, Tiruchirappalli.
- Expert for the selection of permanent staff from daily wages on the basis of compassionate grounds and Physically Handicapped, Bharathidasan University, Tiruchirappalli.
- University Nominee of the selection committee for the recruitment of Assistant Professor in Department of Zoology, A.V.C. College, Mayiladuthurai.
- External Expert for the selection of Project Fellow in DST-PURSE, Department of Microbiology, Alagappa University, Karaikudi.
- Member of Screening cum Evaluation Supercheck committee for CAS promotion in Department of Zoology, Periyar University, Salem.
- Vice-Chancellor Nominee for the appointment of Assistant Professor in Zoology, Seethalakshmi Achi College for Women, Pallathur.

- University Nominee for the selection of Assistant Professor in Department of Zoology, Tamilavel Umamaheswaranar Karanthai Arts College, Thanjavur.
- External Expert for the selection of Project Fellow, GOMBRT project in Department of Oceanography, Alagappa University, Thondi.
- Subject Expert for CAS Promotion, Department of Zoology, Bharathiar University, Coimbatore.
- Subject Expert for CAS Promotion, Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore.
- External Expert for the final report assessment/evaluation of UGC-MRP, Department of Microbiology, Alagappa University, Karaikudi

### Resource persons in various capacities

#### Number of Invited / Special Lectures delivered: 34

1. Delivered Invited Lecture on National Conference on Recent Trends in Biotechnology entitled “Interventions of Biotechnology and Aquaculture: current and future prospects” organized by Department of Biotechnology, Bharathidasan University, Tiruchirappalli- 620 024 on 20<sup>th</sup> & 21<sup>st</sup> of February 2020.
2. Delivered Invited talk on “Techniques in Animal Science Research” UGC- HRDC, Bharathidasan University, Khajamalai campus, Tiruchirappalli on 24<sup>th</sup> July 2019.
3. Delivered Valedictory address on “**Hands on Training to Create Awareness about Applied Zoology for Self Employment**” in PG & Research Department of Zoology, Govt arts college (Autonomous), Kumbakonam held on 13<sup>th</sup> October 2018.
4. Delivered Invited lecture on “**Innovations, Implementations and Challenges of Aquatic Biotechnology**” in Department of Biochemistry, Holy Cross college (Autonomous), Tiruchirappalli held on 11<sup>th</sup> September 2018.
5. Delivered Inaugural address on “**UGC- Sponsored Refresher courses in Gender Studies and Nano Sciences (interdisciplinary)**” in UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli held on 20<sup>th</sup> December 2017.
6. Delivered Presidential address on valedictory function of Hands-on training on “**Taxonomic Identification on Coastal and Oceanic Copepods (TICOC-2017)**” in Department of Marine Science, Bharathidasan University, Tiruchirappalli held on 14<sup>th</sup> July 2017.
7. Special talk on Convocation function in Government Arts and Science College, Peravurani held on 2<sup>nd</sup> April 2017.
8. Delivered a lecture on Founders day and College day celebration in Khadir Mohideen College, Adirampattinam, Thanjavur held on 26<sup>th</sup> March 2017.
9. Special talk on “**Iymperum Vizha**” in Government Women’s Arts college, Pudukottai held on 26<sup>th</sup> February 2017.
10. Delivered a lecture on “**Eco-Waste Management and Nanobiology**” in Sri G.V.G. Visalakshi College for Women, Udumalpet held on 20<sup>th</sup> October 2016.
11. Special talk on National Service Scheme in Jamal Mohamed College, Tiruchirappalli held on 4<sup>th</sup> August 2016.

12. Special talk in Key Note Address on **“National level conference on Better Environment and Better Future”** in Holy cross College, Tiruchirappalli held on 2<sup>nd</sup> August 2016.
13. Special talk in Valedictory address on Science Camp under Inspire Internship Scheme in Nehru Memorial College, Puthunampatti, Tiruchirappalli held on 1-5<sup>th</sup> August 2016.
14. Special talk in Inaugural address on Faculty Development Program (FDP) on **“Revising Examination System in the Current Scenario”** in Nehru Memorial College, Puthunampatti, Tiruchirappalli held on 19<sup>th</sup> March 2016.
15. Special talk in Inaugural function on Training Programme on **“Coaching to Teach Rote Learning Through Music”** in Kalai Kaviri College of Fine Arts, Tiruchirappalli held on 9<sup>th</sup> March 2016.
16. Special talk on Convocation in Bharathidasan University Constituent Arts & Science College, Navalurkuttappattu, Srirangam, Tiruchirappalli held on 5<sup>th</sup> March 2016.
17. Special talk on UGC Sponsored Two-Day Seminar on **“Women in Public Administration”** in Department of Women Studies, Bharathidasan University, Tiruchirappalli held on 11<sup>th</sup> & 12<sup>th</sup> February 2016.
18. Special talk on Valedictory Address in SERB sponsored National Conference on **“Trends in Healthcare and Biotechnology Opportunities & Challenges (THBOC-2016)”** in PG and Research Department of Zoology & Biotechnology, A. Veeriyar Vandayar Memorial Sri Pushpam College, Poondi, Thanjavur held on 22<sup>nd</sup> & 23<sup>rd</sup> January 2016.
19. Delivered an Invited lecture in National Workshop on **“Nanotechnology for Biologists”** in Department of Zoology, School of Life Sciences, Periyar University, Salem held on 6<sup>th</sup> – 8<sup>th</sup> January 2016.
20. Delivered a Graduation Address in 8<sup>th</sup> Graduation Day in Sri Bharathi College of Education, Kaikurichi, Pudukkottai held on 30<sup>th</sup> May 2014.
21. Delivered a special lecture on **“Opportunities and Challenges in Biotechnology in Regional Seminar on Biotechnology: Promises”** in Department of Botany, The Madura College (Autonomous) Madurai held on 17<sup>th</sup> March 2014.
22. Delivered a Graduation Address in 7<sup>th</sup> Graduation Day in Best Arts and Science College, Natham Road, Sattanathapuram, Sirkali held on 15<sup>th</sup> March 2014.
23. Special talk in DBT sponsored National Level Seminar on **“Nutriproteomics: Technologies and Applications in Personalized Health Care and Medicine”** in Department of Food Technology, Kongu Engineering College, Perundurai, Erode held on 22<sup>nd</sup> January, 2014.
24. Delivered a lecture on **“Fish Endocrine System”** in Department of Zoology, Periyar University, Salem held on 13<sup>th</sup> September 2013.
25. Delivered a lecture in CSIR sponsored National Seminar on **“Frontiers in Biotechnology”** in PG and Research Department of Biotechnology, Nehru Memorial College, Puthunampatti, Tiruchirappalli held on 9<sup>th</sup> August 2013.
26. Special talk on Convocation in Meenaakshi Ramasamy Arts and Science College, Thathanur, Udayarpalayam, Ariyalur held on 6<sup>th</sup> July 2013.
27. Delivered a lecture on **“Impact of Tobacco on Head and Neck Cancer”** in Green club of Department of Botany, Government Arts College, Ariyalur held on 2<sup>nd</sup> May 2013.

28. Delivered a lecture on “**Recent Trends in Aquatic Biotechnology**” in Department of Zoology, Nehru Memorial College, Puthunampatti, Tiruchirappalli held on 26<sup>th</sup> February 2013.
29. Delivered a lecture on “**Role of Probiotics in Animal Welfare**” in International Conference on Biotechnology in Department of Biotechnology, Sri Kaliswari College, Sivakasi held on 11<sup>th</sup> January 2013.
30. Special talk on “**National Seminar cum Workshop on Molecular Informatics and Drug Designing**” in Department of Zoology, Thiagarajar College, Madurai held on 21<sup>st</sup> March 2012.
31. Delivered an Invited lecture about “**Green Synthesis in Nanotechnology**” in Department of Botany, Seethalakshmi Ramaswami College, Tiruchirappalli held on 7<sup>th</sup> January 2012.
32. Delivered a special Address in “**National Educational Day**” in Infant Jesus College of Education, K. Kallikudi, Tiruchirappalli held on 11<sup>th</sup> November 2011.
33. Delivered a Valedictory Address on “**Recent trends in Material Science and their Applications**” in N.P.R. Arts and Science College, NPR Nagar, Natham, Dindigul held on 30<sup>th</sup> September 2011.
34. Special talk on “**Probiotics**” in the Refresher Course-‘Recent trends in Life Science Research’ in Department of Immunology, Madurai Kamaraj University, Madurai held on 29<sup>th</sup> July 2011.

## Others

1. Articles published in Newspapers / Magazines : **01**
2. Products developed : xx
3. No. of Ph.D Thesis evaluated : **29**
4. No. of Ph.D Public Viva Voce Examination conducted : **09**
5. Sequences submitted in GenBank : **07**

## Recent Publications

1. **Thirumurugan Ramasamy**, Srinivasan Veeran, Arun Sridhar, Rajkumar Krishnasamy Sekar, Dinesh Babu Manikandan, Manikandan Arumugam, Subramanian Periyasamy, (2021), Effects of graded levels of mineral mixtures (Aquamin® and Agrimin®) supplemented diets on growth, survival, proximate composition, and carcass mineralization of juvenile freshwater prawn, *Macrobrachium malcolmsonii* (H Milne-Edwards 1844), Tropical Animal Health and Production, (In press) **(Impact factor 1.333)**
2. Dinesh Babu Manikandan, Manikandan Arumugam, Srinivasan Veeran, Arun Sridhar, Rajkumar Krishnasamy Sekar, Balaji Perumalsamy, **Thirumurugan Ramasamy**, (2020), Biofabrication of ecofriendly copper oxide nanoparticles using *Ocimum americanum* aqueous leaf extract: analysis of in vitro antibacterial, anticancer, and photocatalytic activities, Environmental Science and Pollution Research, (In Press) **(Impact factor 3.056)**

3. Dhananjay Dey, Afnan Al-Hunaiti, Vinothini Gopal, Balaji Perumalsamy, Gowdhami Balakrishnan, **Thirumurugan Ramasamy**, Dhanasekaran Dharumadurai, Bhaskar Biswas, (2020), CH functionalization of alkanes, bactericidal and antiproliferative studies of a gold (III)-phenanthroline complex, Journal of Molecular Structure, 1222, 128919. **(Impact factor 2.463)**
4. Dinesh Babu Manikandan, Arun Sridhar, Rajkumar Krishnasamy Sekar, Balaji Perumalsamy, Srinivasan Veeran, Manikandan Arumugam, Parthiban Karuppaiah, **Thirumurugan Ramasamy**, (2020), Green fabrication, characterization of silver nanoparticles using aqueous leaf extract of *Ocimum americanum* (Hoary Basil) and investigation of its in vitro antibacterial, antioxidant, anticancer and photocatalytic reduction, Journal of Environmental Chemical Engineering, 104845. **(Impact factor 4.3)**
5. Arun Sridhar, Rajkumar Krishnasamy Sekar, Dinesh Babu Manikandan, Manikandan Arumugam, Srinivasan Veeran, **Thirumurugan Ramasamy**, (2020), Activity profile of innate immune-related enzymes and bactericidal of freshwater fish epidermal mucus extract at different pH, Environmental Science and Pollution Research, 1-13. **(Impact factor 3.056)**
6. Subrata Das, Sangharaj Diyali, Gopal Vinothini, Balaji Perumalsamy, Gowdhami Balakrishnan, **Thirumurugan Ramasamy**, Dhanasekaran Dharumadurai, Bhaskar Biswas, (2020), Synthesis, morphological analysis, antibacterial activity of iron oxide nanoparticles and the cytotoxic effect on lung cancer cell line, Heliyon, 6, e04953.
7. Perumalsamy Balaji, Anbazhagan Murugadas, Arunachalam Ramkumar, **Ramasamy Thirumurugan**, Sellathamby Shanmugaapriya, Mohammad Abdulkader Akbarsha, (2020), Characterization of Hen's Egg White To Use It as a Novel Platform To Culture Three-Dimensional Multicellular Tumor Spheroids, ACS omega, 5, 31. **(Impact factor 2.87)**
8. Rajani Kanta Mahato, Ayan Kumar Mahanty, Suwendu Paul, Vinothini Gopal, Balaji Perumalsamy, Gowdhami Balakrishnan, **Thirumurugan Ramasamy**, Dhanasekaran Dharumadurai, Bhaskar Biswas, (2020), Catalytic oxidative coupling of o-phenylenediamine, in-vitro antibacterial and antitumor activities of a gold (III)-bipyridine complex, Journal of Molecular Structure, 1223, 129264. **(Impact factor 2.463)**
9. Arun Sridhar, Parvez Ahmed Khader, **Thirumurugan Ramasamy**, (2020), Assessment of cobalt accumulation effect on growth and antioxidant responses in aquatic macrophyte *Hydrilla verticillata* (Lf) Royle, Biologia, 1-8.
10. Murugesan Sathiya Deepika, Ramar Thangam, Shenbagamoorthy Sundarraj, Thankaraj Salammal Sheena, Srinivasan Sivasubramanian, Jeganathan Kulandaivel, **Ramasamy Thirumurugan**, (2019), Co-delivery of Diverse Therapeutic Compounds Using PEG-PLGA Nanoparticle Cargo against Drug-Resistant Bacteria: An Improved Anti-biofilm Strategy, ACS Applied Bio Materials, 3, 385-399.

11. Krishnasamy Sekar Rajkumar, Sridhar Arun, Manikandan Dinesh Babu, Perumalsamy Balaji, Srinivasan Sivasubramanian, Venkatasamy Vignesh, **Ramasamy Thirumurugan**, (2019), Facile biofabrication, Characterization, evaluation of photocatalytic, antipathogenic activity and in vitro cytotoxicity of zinc oxide nanoparticles, *Biocatalysis and Agricultural Biotechnology*, 22, 101436.
12. Rajkumar KS, Arun S, Balaji P, Dineshbabu M, **Thirumurugan R**, (2019), Invitro antioxidant, antipathogenicity and cytotoxicity effect of silver nanoparticles fabricated by onion (*Allium cepa*.L) peel extract, *Journal of BioNanoScience*, 1-14.
13. Chengyue Liu, Jian Ge, Yangen Zhou, **Ramasamy Thirumurugan**, Qinfeng Gao, Shuanglin Dong, (2019), Effects of decreasing temperature on phospholipid fatty acid composition of different tissues and hematology in Atlantic salmon (*Salmo salar*), *Aquaculture*, Vol 515,734587. **(Impact factor 3.224)**
14. Murugesan Sathiya Deepika, Ramar Thangam, Tharumasivam Siva Vijayakumar, Rajendran Sasirekha, RTV Vimala, Srinivasan Sivasubramanian, Sridhar Arun, Manikandan Dinesh Babu, **Ramasamy Thirumurugan**, (2019), Antibacterial synergy between rutin and florfenicol enhances therapeutic spectrum against drug resistant *Aeromonas hydrophila*, *Microbial Pathogenesis*, **(Impact factor 2.914)**
15. Murugesan Sathiya Deepika, RamarThangam, Thankaraj Salammal Sheena, R.T.V.Vimala, Srinivasan Sivasubramanian, Kulandaivel Jeganathan, **Ramasamy Thirumurugan**, (2019), Dual drug loaded PLGA nanospheres for synergistic efficacy in breast cancer therapy, *Materials Science and Engineering: C*, Vol. No: 103, 109716, **(Impact factor 5.88)**
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18. Sathiya Deepika M, Thangam R, Sheena TS, Sasirekha R, Sivasubramanian S, Dinesh Babu M, Jeganathan K, **Thirumurugan R**, (2018), A novel rutin-fucoidan complex based phytotherapy for cervical cancer through achieving enhanced bioavailability and cancer cell apoptosis, *Biomedicine and Pharmacotherapy*, Vol. 109, 1181-1195, **(Impact Factor: 4.545)**.
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20. Sathiya Deepika M, Thangam R, Sakthidhasan P, Arun S, Sivasubramanian S, **Thirumurugan R**, (2018), Combined effect of a natural flavanoid rutin from *Citrus sinensis* and conventional antibiotic gentamicin on *Pseudomonas aeruginosa* biofilm formation, *Food Control*, Vol. 90, 282-294.**(Impact Factor: 4.258)**.



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25. Gunaseelan K, Balaji K, Kanipandian N, Rajkumar KS, Nilmini V, **Thirumurugan R**, (2015), Biogenic synthesis and spectroscopic characterization of silver nanoparticles using leaf extract of *Indoneesiella echioides*: in vitro assessment on antioxidant, antimicrobial and cytotoxicity potential, Applied Nanoscience. DOI 10.1007/s13204 - 015-0514-7, **(Impact Factor: 2.88)**.
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29. Rajkumar KS, Kanipandian N, **Thirumurugan R**, (2015), Toxicity assessment on haematology, biochemical and histopathological alterations of silver nanoparticles-exposed freshwater fish *Labeo rohita*, Applied Nanoscience, DOI 10.1007/s13204-015-0417-7, **(Impact Factor: 2.88)**.
30. Senthilkumar KP, **Thirumurugan R**, (2014), Risk Modulation of GSTM1 - GSTT1 interactions to Head and Neck Cancer in tobacco users, Molecular Biology Reports, Vol. 41/9, 5635-5644, **(Impact Factor: 1.420)**.

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32. Shanthi Mari L, Jagruthi C, Anbazahan S, Yogeshwari G, **Thirumurugan R**, Arockiaraj J, Mariappan P, Chellam Balasundaram, Harikrishnan R, (2014), Protective effect of chitin and chitosan enriched diets on immunity and disease resistance in *Cirrhinus mrigala* against *Aphanomyces invadans*, Fish and Shellfish Immunology, Vol. 39, 378-385, **(Impact Factor: 3.298)**.
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36. Kanipandian N, **Thirumurugan R**, (2014), A Feasible approach to phyto-mediated synthesis of silver nanoparticles using industrial crop *Gossypium hirsutum* (Cotton) extract as stabilizing agent and assessment of its in vitro biomedical potential, Industrial Crops and Products, Vol. 55, 1-10 **(Impact Factor: 4.244)**.
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39. Karthikeyeni S, Siva Vijayakumar T, Akalya J, Vasanth S, Arul Ganesh S, Vignesh V, **Thirumurugan R**, Subramanian P, (2013), Decolorization of direct orange S Dye by ultra sonication using iron oxide nanoparticles, Journal of Experimental Nanoscience, DOI:10.1080/17458080.2013.822107, **(Impact Factor: 2.169)**.
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