

## FACULTY BIODATA

### OFFICIAL DETAILS

Name of the faculty : **Dr. T. RAJASEKAR**  
 Designation : Scientist-C  
 Name of the Centre /Department : Centre for Drug Discovery & Development  
 Name of the Institute : Sathyabama Institute of Science and Technology  
 (Deemed University), Chennai  
 Date of birth; Age : 09.11.1984; 36  
 Email ID : [microraja09@gmail.com](mailto:microraja09@gmail.com)  
[rajasekar.cddd@sathyabama.ac.in](mailto:rajasekar.cddd@sathyabama.ac.in).  
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### ACADEMIC QUALIFICATION

Degree	Branch	School/ Institution/University
Ph.D.,	Marine Microbiology	CAS in Marine Biology, Annamalai University, Chidambaram
M.Phil.,	Marine Microbiology	Annamalai University, Chidambaram
M.Sc.,	Applied Microbiology	Sri Sankara Arts & Science College, Kanchipuram. (University of Madras)
B.Sc.,	Microbiology	Sri Sankara Arts & Science College, Kanchipuram. (University of Madras)
12 <sup>th</sup>	Biology, Mathematics, Physics, Chemistry,	Andrerson higher sec. school
10 <sup>th</sup>	Science and Social Sciences	Government higher sec school

### WORKING EXPERIENCE [TEACHING/INDUSTRY/RESEARCH]

**Total Year of Experience date on 01-01-2019: 10 years 4 months)**

**(Research: 5 Years: Teaching: 3 Year 10 months Industry :1 year 8 months)**

S.No	Designation	Name of the employer	Duration	Year of Experience
1.	Scientist-C	Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology (Deemed University), Chennai – 600 119.	1 <sup>st</sup> June 2017 – Till date	3 year(s), 4 month(s)
2.	Scientific Assistant	Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology (Deemed University), Chennai – 600 119.	1 <sup>st</sup> September 2014 – 31 <sup>st</sup> May 2017	1 year(s), 8 month(s)
3.	Assistant Professor	Department of Microbiology, Adhiparasakthi College of Arts and Sciences, Kalavai. Tamil Nadu	11 June 2014 – 30 <sup>th</sup> August 2014	2 months

4.	Lecturer	Department of Microbiology, Sri Sankara Arts & Science College, Kanchipuram – 631 561. Tamil Nadu	16 <sup>th</sup> August 2010 – 29 <sup>th</sup> November 2011	1 year(s), 3 month(s)
5.	QA-Microbiologist	South India Beverage Pvt., Ltd (franchise of Coca Cola India Pvt., Ltd, Bangalore)	01 <sup>st</sup> July 2007-30 <sup>th</sup> March 2009	1 year(s), 8 month(s)

### **RESEARCH PROJECTS**

<b>Dr. T. RAJASEKAR- Principal Investigator</b>					
S.No	Title of the project*	Co-Investigator (s)/ Institute	Funding Agency	Sanctioned Budget (Rs in lakhs)	Duration
1.	Immune enhancement using sulfated polysaccharides isolated from marine algae (Seaweeds) against <i>Mycobacterium marinum</i> (Sanction order no:ECR/2015/000460)	-----	DST:SERB-ECR	27,66,500	Aug2016 -Aug 2019

### **ORGANIZATION OF PROGRAMME**

<b>Dr. T. RAJASEKAR- Principal Investigator</b>						
S.No	Level	Title of the Programme	Role	Funding Agency	Sanctioned Budget (Rs in lakhs)	Duration
1	National	National symposium on bio-prospecting from marine resources for biotechnological applications: opportunities and challenges- (NSBMSB 2019)”	Convener	DBT	Rs.50000	24th - 25th July 2019
2	National	Bioactive marine natural products and their therapeutic applications (Sanction order no:DBT/CTEP/01/20 1701027-dt 22 Aug. 2017)	Convener	DBT	Rs. 50000	24 <sup>th</sup> -25 <sup>th</sup> January 2018

3	National	Recent Advances in Zebra Fish Immunology research: An ideal model For Human Health (Sanction order no: SSY/2017/000291 dt. 17-May-2017)	Organization Secretary	DST:SER B	Rs. 1,00,000	20 <sup>th</sup> - 21 <sup>st</sup> September 2017
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### **FIELD OF RESEARCH:**

- ♣ Immunostimulation compounds from Marine Seaweeds and terrestrial areas.
- ♣ Probiotics
- ♣ Nanomedicine

### **DETAILS OF PROJECTS WORK**

Thesis Title	Duration	Guide Name & Affiliation
<b>PhD</b> Growth enhancement and immunostimulatory effect in Mugilcephauls (Linnaeus, 1758), using seaweeds against <i>V. alginolyticus</i> (BRTR07).	December 2011- November 2013: (2Years)	Dr. B. Deivasigamani, Assistant Professor, Department of Biotechnology CAS in Marine Biology, Annamalai University, Parangipettai, Tamil Nadu.
<b>M.Phil.</b> Immunostimulatory effects of <i>Cardiospermumhalicacubum</i> against <i>Vibrio parahaemolyticus</i> on tiger shrimp <i>Penaeusmonodon</i>	September 2009 - May 2011 (1Y 8 Months)	Dr. B. Deivasigamani, Assistant Professor, Department of Biotechnology, CAS in Marine Biology, Annamalai University Parangipettai, Tamil Nadu.
<b>M.Sc</b>		

### **PUBLICATIONS**

#### **2020**

1. Kumaran. S, S. Bharathi, Uttra. V, **Rajasekar T**, Gopi .V, Prasannabalaji. N, Pugazhvendan. S.R, Wilson Auni, Deivasigamani. B. OCT 2020. Nanoremediation of dimethomorph in water samples using magnesium aluminate nanoparticles. Environmental Technology & Innovation.1706:16:00.( IF:3.3. ). **Scopus/Web of Science**
2. Kumaran. S, S. Bharathi, Uttra. V, **Rajasekar T**, Gopi .V, Prasannabalaji. N, Pugazhvendan. S.R, Wilson Auni, Deivasigamani. B. OCT 2020. Bioactive metabolites produced from *Streptomyces enissocaesilis* SSASC10 against fish pathogens Biocatalysis and Agricultural Biotechnology.1716:42:00.**Scopus/Web of Science**
3. Kumaran Subramanian, Balamurugan Sadaiappan, Wilson Aruni, Alagappan Kumarappan, **Rajasekar Thirunavukkarasu**, Guru Prasad Srinivasan, Selvaraj Bharathi, Prasannabalaji Nainangu, Pugazhvendan Sampath Renuga, Anandajothi Elamaran, Deivasigamani Balaraman & Mahendran Subramanian.July 2020. Bioconversion of chitin and concomitant production of chitinase and N-acetylglucosamine by novel *Achromobacter*

xylooxidans isolated from shrimp waste disposal area. Nature Scientific Reports. 208:18:00. (IF: 4.1).Scopu/Web of Science

4. Subramanian Kumaran, Anahas Perianaika Matharasi Antonyraj, Prasannabalaji Nainangu, Pugazhvendan Sampath Renuka, **Rajasekar Thirunavukarasu**, Sadaippan Balamurugan, Bharathi Selvaraj, Suresh Gopal, Guru Prasad Srinivasan, Praveen Kumar Elango, Balasubramanian Balakrishnan and Wilson Aruni. July 2020. A review on pathogenesis, prevention and control of novel Corona virus of Covid-19. Oriental Journal of Chemistry. 36,(4). (IF 0.136). Web of Science

5. Jerrine Joseph , R. Devadarshini, A. Suresh, M. Radhakrishnan , **T. Rajasekar**, V. Gopikrishnan , S. Shakila\* and Wilson Aruni. June 2020. Antiseptic efficacy of combination of essential oils against multidrug-resistant pathogens. Biosci Biotech Res Commun. 13 (2); 565-570. Web of Science

6. **T. Rajasekar**, K. Karthika, G. Muralitharan, A. Mary Shamy, S. Sabarika, S. Anbarasu, K. Revathy, N. Prasannabalaji and S. Kumaran. May 2020. Green synthesis of gold nanoparticles using extracellular metabolites of fish gut microbes and their antimicrobial properties Brazilian Journal of Microbiology. 2020;51(3):957-967. (IF 2.8). Web of Science

7. Raghavi R, Mohamoodha N., Cholapandian K., Rajasekar T, Wilson Aruni and Jerrine Joseph\*. March 2020. In-vitro anti-inflammatory and in-silico anti-aging properties of Psidium guajava Leaves. Biosci. Biotech. Res. Comm. Vol 13 (1) - March 00-00 2020. Web of Science

8. Kumaran S, Wilson Aruni, Karthika M, Prasanna Balaji N, Pugazhvendan S.R, Bharathi S, Rajasekar T & Guru Prasad .S February 2020. Trends in aquaculture feed development: from Chitosan Nano particle with N-Acetylcysteine (NAG) for disease control – A review. Bioscience Biotechnology Research Communications..13 (1) 00-00 2020. Web of Science

## 2019

9. Santhiyaa RV, Wilson Aruni A, Suresh G, Prasanna Balaji N, Barathi S, Pugazhvendan SR, Rajasekar T, Karthikeyan DR and Kumaran S. December 2019. Applications of feather keratin hydrolyzate in divergent field. Biosci. Biotech. Res. Comm 12 (4) 00-00. Web of science

10. Rajasekar T\*, Shamy AM and Joesph J. Screening of phytochemical, antioxidant activity and anti-bacterial activity of marine seaweeds. International Journal of Pharmacy and Pharmaceutical Sciences. 2019 11(1); 61-66.

11. Mary shamy T. Rajasekar R. Rengasamy. Carbon sequestration potential of Scenedesmus quadricauda (Turpin) and evaluation on Zebra fish (*Danio rerio*). Aquaculture Reports 13, 100178 (March 2019) (IF.1.15).

## 2018

12. Dinesh G, Suresh G, Bharathi S, Kotteswaran S, AnanthaJothi E, Pugazhvendan SR, **Rajasekar T**, Kumaran S. **Isolation and characterization of feather degrading bacteria from poultry waste**. IJRAR .2018: 5(4); 334-340. (Oct 2018).

13. Anbarasu S, Revathy S, Manigundan K, **Rajasekar T**, Mary Shamy, Jerrine Joseph. Evaluating the Anti-mycobacterial Activity of Nigella sativa Seed Extracts. Der Pharmacia Lettre, 2018, 10 [7]: 1-9 (2018).

## 2017

14. **Rajasekar T\***, Shamy AM and Joesph J. Zebra Fish in Tuberculosis Research. *Virol Immunol J* 2017, 1(5): 000129.

15. Avila Josephine. B, Mary Teresita. V, Ashwini Anantharaman, **Rajasekar. T**, Jerrine Joesph. synthesis and characterisation of Cu(II) Schiff base complex derived from amoxicillin

trihydrate and vanillin for antimicrobial application. *Int J Pharma Bio Sci* 2017 October; 8(4): (P) 224-231

16. Jerrine J\*, Tahseen A., **Rajasekar T**, Radhakrishnan M, Manigundan K, Swarnalatha L Anbarasu S. **Antioxidant and Anticancer Potential of Nigella sativa Seeds**. *Der PharmaChemica*, 2017, 9(22): 106-111 (Dec 2017)

#### 2016

17. **Rajasekar**, T., Anbarasu, S., Radhakrishnan, M., Jerrine, J.\* and Vanaja. K. In vitro antitubercular activity of *Tridaxprocumbens* extracts against whole cell *Mycobacterium tuberculosis* and its lysine amino transferase., **Bangladesh Journal of Pharmacology Newsletter**.2016; 11: 190-191.

18. Helen Mary L, Florida Tilton, Jerrine Joseph\*, Sudarsanam D, Anitha CP , Suresh A, **Rajasekar T**, Ravisankar N and M. Muthuswamy. **DNA Barcoding for Molecular Characterization of A Medicinal Plant - Citrullus Colocynthis**. *Der Pharmacia Lettre*. 2016. 8 (4):304-309.

19. Ravisankar N, Jerrine J, Radhakrishana M, **Rajasekar T**.2016 *In vitro* cytotoxicity of methanol extracts of *Hypericum wightianum* and *Hypericum hookerianum* against 3T3L1 cell lines. *Bangladesh J Pharmacol*. 2016; 11:328-29.

#### 2015

20. **Rajasekar**, T, Anbarasu, S., Radhakrishnan, M., Jerrine, J\* and Vanaja, K. Inhibitory activity of *Euphorbia hirta* (Tawa-tawa) extracts against *Mycobacterium tuberculosis* and other non-mycobacterial pathogens. **Der PharmaChemica**.2015.7(8): 213-216.

21. **Rajasekar**, T., Priyadharshini, P., Deivasigamani, B\*, Ilamathi, J., Kumaran, S., Edward, G.J.G. Enhancements of non-specific immune response in *Mugil cephalus* by seaweed extract against *Vibrio alginolyticus* (BRTR07). **Journal of Coastal Life Medicine**. 2015; 3(10): 776-786.

22. Sakthivel, M., Deivasigamani, B\*., **Rajasekar**, T., Kumaran, S and Alagappan KM Immunostimulatory Effects of Polysaccharide Compound from Seaweed *Kappaphycus alvarezii* on Asian seabass (*Latescalcarifer*) and it's Resistance against *Vibrio parahaemolyticus*. **J Mar Biol Oceanogr** , 2015; 4:2.

#### 2014

23. **Rajasekar**, T, Deivasigamani, B\* , Priyadharshini, P, Kumaran, S, Sakthivel, M., Balamurugan S., and Edward GnanaJothi G. Screening of marine seaweeds for bioactive compound against fish pathogenic bacteria and active fraction analyses by GCMS. **Journal of Coastal Life Medicine**, 2014; 2(5): 367-375.

24. **Rajasekar**, T, Deivasigamani, B, Priyadharshini, P, Kumaran, S, Sakthivel, M., Balamurugan S., and Edward GnanaJothi G. 2013. Antibacterial activity of marine seaweeds against clinical isolated pathogens and active compound identified by GCMS. **Inventi Rapid: Pharm Biotech and Microbiolo**, 2014(1):1-9, 2013.

#### 2013

25. **Rajasekar**, T., Priyadharshini, P., Deivasigamani, B., Kumaran, S, Edward GnanaJothi, G., Sakthivel, M., Balamurugan, S. Isolation of bioactive compound from marine seaweeds against fish pathogenic bacteria *Vibrio alginolyticus*(VA09) and characterization by FTIR. **Journal of Coastal Life Medicine**. 2013; 1(1): 6-13.

26. **Rajasekar**, T\*., Balaji S., Kumaran, S., Deivasigamani, B. and Pugzhavendhan, S.R.. Isolation and characterization of Marine fungal metabolites against clinical pathogens. **Asian Pacific Journal of Tropical Disease**.,2 (Sup 1):S387–S392 2012, [www.sciencedirect.com](http://www.sciencedirect.com).

27. **Rajasekar T.**, Usharani, J., Sakthivel, M. and Deivasigamani, B. Immunostimulatory effects of *Cardiospermum halicacubum* against *Vibrio parahaemolyticus* on tiger shrimp *Penaeus monodon*. *Journal of chemical and pharmaceutical research*. 2011, 3(5): 501-513. (ISSN No: 0975-7384).

### 2013

28. Sakthivel, M., Deivasigamani, B., Alagappan, K.M., Kumaran, S., Balamurugan, S. and **Rajasekar, T.** Seasonal Changes in Selected immune response of *Mystus vittatus*. *Journal of Environmental Biology*. 2013. 34: 37-42. (Impact value-0.9) PMID: 24006805

29. Priyadarshini, P., Deivasigamani, B., **Rajasekar, T.**, Edward GnanaJothi, G., Kumaran, S., Sakthivel, M., Balamurugan, S. Probiotics in aquaculture -Review Article. *Drug Invention Today*. 2013. 5: 1-5. ([www.Sciencedirect.com](http://www.Sciencedirect.com)).

30. Kanimozhi, S., Krishnaveni, M., Deivasigamani, B., **Rajasekar, T.**, and Priyadarshni, P. Immunostimulation effects of *Sargassum wightii* on *Mugil cephalus* against *Pseudomonas fluorescens*. *International Journal of Current Microbiology and Applied Sciences*. 2013. 2(7): 93-103.

31. Priyadarshini, P., **Rajasekar, T.**, Edward GnanaJothi, G., Deivasigamani, B. Microbial gut flora of marine fish *Mugil cephalus* (striped mullet) from vellar estuary, East coast region, Tamilnadu, India. *International Journal of Future Biotechnology*. 2013. 2(2): 1-4.

32. Edward GnanaJothi G., Deivasigamani\*, B. Priyadarshini P., Kumaran S., Balamurugan S., **Rajasekar, T.** and Sakthivel M. Immune response against *Aeromonas hydrophila* in estuarine catfish (*Mystus gulio*, Hamilton 1822) of kollidam Estuary: An assessment on non specific immune parameters. *International Journal of Future Biotechnology*. 2013. 2(1), 1-7.

### 2012

33. Sakthivel, M., Deivasigamani, B\*, Kumaran, S., Balamurugan, S. and **Rajasekar, T.** Seasonal variation in immune organs and immune response of catfish *Arius maculatus* in Parangipettai coastal area. *Journal of chemical and pharmaceutical research*, 2012. 4(7):3342-3348.

34. Balamurugan, S., Deivasigamani, B\*, Kumaran, S., Sakthivel, M., **Rajasekar, T.**, Priyadarshini, P. Melanomacrophage centers aggregation in *P. lineatus* spleen as bio-indicator of environmental change. *Asian Pacific Journal of Tropical Disease*. 2012: S635-S638.

35. Usharani J, **T. Rajasekar\*** and B. Deivasigamani. Isolation Characterization of SDS Degrading Organisms from SDS Contaminated Areas. *Open Access Scientific Reports*. 2012, 1(2):1-4.

36. Nandhini, L, **Rajasekar, T\***, Sakthivel, M. and Deivasigamani, B. Isolation of Bacteriocin Producing Lactic Acid Bacteria from Different Soil Samples. *Asian Journal of Biochemical and Pharmaceutical Research*, 2011. 4(1): 280-290.

## GUIDANCE DETAILS

S.No	Course	No of Guidance	No of Completed
1.	Ph.D	01	-
2.	M.Tech	-	-
3.	B.Tech	-	01
4.	M.Phil	-	-
5.	M.Sc	-	06

### **AWARDS / FELLOWSHIPS RECEIVED**

<b>S.No</b>	<b>Name of the Award</b>	<b>Organization</b>	<b>Year /Month</b>
1	Appreciation Award	Sri Akilandeswari Women College, Vandavasi	October 2018
2	Junior research Fellow	CAS in Marine Biology, Annamalai University, Parangipettai, Chidambaram	Dec-2011 to Jan 2013

### **GUEST LECTURER/RESOURCE PERSON**

<b>S.No</b>	<b>Name of the Programme</b>	<b>Type of talk</b>	<b>Organization</b>	<b>Year /Month</b>
1	Science Academies' Refresher Course on "Foundations in Plant and Animal Biology"	Resource Person	Centre for Advanced Studies in Botany, University of Madras, Guindy Campus, Chennai – 600025	February 2019
2	International Conference on Pharm-Biotech 2k19	Resource Person	Saveetha dental college and hospitals Saveetha institute of medical and technical sciences, (deemed to be university)	8 <sup>th</sup> January 2019.
	National conference on Emerging trends and products of Microbial Biotechnology on	Resource Person	Sri Akilandeswari Women College, Vandavasi	24 <sup>th</sup> October 2018

### **PARTICIPATION IN REFRESHER COURSE**

1. Participated in Academies' **Refresher Course on Immunology Laboratory Techniques Using Fish Model** held on 5<sup>th</sup>-17<sup>th</sup> Dec, 2016 organized by Dean School of Life Sciences Vels University, Pallavaram, Chennai – 600 117.

### **PARTICIPATION IN WOKSHOP**

1. Participated in workshop on "**Diagnostic Microbiology and Molecular Biology**" held on 25<sup>th</sup>-26<sup>th</sup> September 2017 organized by PG and Research department of Microbiology, Sri Sankara and Science collage, Kanchipuram, Tamil Nadu, India.
2. Participated workshop on Basic of computer aided drug design and Discovery held on 10<sup>th</sup>-11<sup>th</sup> February 2016 by Sathyabama University, Chennai 600119 Tamil Nadu, India.

3. Participated in workshop on **“Phytochemical screening and "Bioactivity studies of Medicinal Plants”** held on 5<sup>th</sup> -7<sup>th</sup> October 2015 organized by faculty of Bio and Chemical Engineering, Sathyabama university, Chennai 600119Tamil Nadu, India.
4. Participated in Workshop on **“Recent Techniques in marine Fish Immunology”** held on during 01<sup>th</sup>-02<sup>th</sup> March, 2014 organized by Center of Advanced study in Marine biology, Annamalai University, Parangipettai-608502, Tamil Nadu, India.
5. Participated in Workshop on **“Advanced Techniques in Marine fish immunology & Immunotechnology”** held on during 05<sup>th</sup>-09<sup>th</sup> of September, 2013 organized by Center of Advanced study in Marine biology, Annamalai University, Parangipettai-608502, Tamil Nadu, India.
6. Participated in Workshop on **Chromatographic methods of analysis** held on during 05<sup>th</sup>-09<sup>th</sup> of November, 2012 organized by Government of India, Ministry of Labor and Employment, Directorate General of Employment and training, Advanced Training Institute (ATI), CTI campus, Chennai, India.
7. Participated in Workshop on **Microbial enzyme technology** held on during 19<sup>th</sup>-22<sup>th</sup> of July, 2012 organized by Department of Biochemistry and Molecular biology, Pondicherry University, Pondicherry, India.
8. Participated in Workshop on **“Marine fish and shellfish immunology & Immunotechnology”** held on during 09<sup>th</sup>-14<sup>th</sup> of July, 2012 organized by Center of Advanced study in Marine biology, Annamalai University, Parangipettai-608502, Tamil Nadu, India.
9. Participated in Workshop on **“Research Methodology”** held on during 02<sup>th</sup>-05<sup>th</sup> of March, 2012 organized by Department of Economics, Annamalai University, Annamalai Nagar, Tamil Nadu, India.
10. Participated in Workshop on **“Marine fish immunology & Immunotechnology”** held on during 01<sup>th</sup>-08<sup>th</sup> of December, 2011 organized by Center of Advanced study in Marine biology, Annamalai University, Parangipettai-608502, Tamil Nadu, India.
11. Participated in Workshop on **“Design and analysis of experiments”** (Response surface methodology- RSM) held on during 09<sup>th</sup> of October, 2009 Organized by Center of Advanced study in Marine biology, Annamalai University, Parangipettai-608502, Tamil Nadu, India.
12. Participated in **“The training programme on Microbiological Testing of packaged drinking water”** held on during 01<sup>th</sup> of October, 2007 Organized by Bureau of Indian Standards (BIS), Bangalore branch office Laboratory (BNBOL). Participated in **“VITCA-Work Shop on Instrumental methods of Analysis”** held on during 07<sup>th</sup> of January, 2006 Organized by Vellore Institute of Technology Chemistry Association (VITCA).Vellore, Tamil Nadu, India.

#### **PARTICIPATION IN CME PROGRAMME**

1. Participated in Awareness Programme on **“Employment Prospects and Avenues for Entrepreneurship in Marine Science”** held on during 03<sup>th</sup>- 04<sup>th</sup> of March, 2014 organized by Center of Advanced study in Marine biology, Annamalai University, Parangipettai-608502, Tamil Nadu, India.
2. Participated in **Continuing Medical Education Programme in Immunology** (CME Immuo-2012) held on during 11<sup>th</sup> -12<sup>th</sup> of October, 2012 jointly organized by Indian Immunological Society & School of Biotechnology, Madurai Kamaraj University, Madurai, Tamil Nadu, India.



3. Participated in “**CME programme on Beating the bugs, what is new?**” held on during 16<sup>th</sup> of July, 2011 Organized by Sri Ramachandra University, Pour, Chennai 600 116, Tamil Nadu, India.
4. Participated in “**Newer Anti Tuberculosis drugs: Antibiotic from untapped Sources from synthesized compound**” held on during 24<sup>th</sup> of February 2007 organized by Vision Foundation, SankaraNethralaya and IAAM (TN, PONDI-Chapter).

## **CONFERENCES AND SEMINARS**

### **INTER NATIONAL LEVEL-Presentation**

1. Participated and **presented a paper** in the International Conference on Aquatic animal health and parasitic Disease (ICAAP-2017) held on during 6<sup>th</sup> -7<sup>th</sup> March 2017 at Center of Advanced study in Marine biology, Annamalai University, Parangipettai-608502.
2. Participated and **Presented a Poster** in the 3<sup>rd</sup> International Conference on **Bioinformatics and System biology** (INCOBS-2012) held on during 16<sup>th</sup> to 18<sup>th</sup> February 2012 Organized by Department of Zoology wing-DDE, Annamalai University, Annamalai Nagar, Tamil Nadu.
3. Participated and **Presented a Poster** on "**Studies on the Immunostimulation effect of *Centella asiatica* extract in tiger shrimp *Penaeus monodon* against antibiotic resistant *Vibrio parahaemolyticus***" in the INDO-UK Conference on **Shrimp Aquaculture : Challenges & Innovation solutions** held on during 25<sup>th</sup>-26<sup>th</sup> of January, 2012 organized by Bharathidasan University, Tiruchirappalli- 620 024, Tamil Nadu, India.
4. Participated and **Presented a Poster** on "**Oral administration of plant extracts of *Anisochilus carnosus* against *Vibriosis* in *Penaeus monodon***" in the International Conference on **Bioinformatics and System biology** (INCOBS-2010) held on during 19<sup>th</sup>-21<sup>th</sup> of March, 2010 organized by Department of Zoology wing-DDE, Annamalai University, Annamalai Nagar, Tamil Nadu, India.

### **INTER NATIONAL LEVEL-Participant**

5. Participated in the International Seminar on Challenges in Commercialization of Viral rapid diagnostics and therapeutics, held on 8<sup>th</sup> March 2016 organized by Sathyabama university, Chennai 600119, Tamil Nadu, India

### **NATIONAL LEVEL-Presentation**

6. Participated and present a Paper on “**Biosynthesis of Silver nanoparticles from Marine Seaweeds *Padinatrastromatica***” in National conference on New Trends in Biomedical and Pharmaceuticals application of Marine Natural Products held on 22<sup>nd</sup> February 2018, organized by Department of Microbiology, Sri Sankara Arts and Science College, Enathur, Kanchipuram.631501
7. Participated and present a paper on **Zebra fish – A Novel animal model for *Mycobacterium tuberculosis* in National conference in Immune response of Marine fishes with respect to heavy metal pollution** Held on 05<sup>th</sup>-06<sup>th</sup> August 2016 at Center of Advanced study in Marine biology, Annamalai University, Parangipettai-608502.
8. Participated and present a paper on **Pontifical Seaweed Sulfated polysaccharides for anticancer activity** in National conference on **New Trends in Biomedical and Pharmaceuticals application of Marine Natural Products** held on 10<sup>th</sup>-11<sup>th</sup> August 2016,

organized by Centre for Ocean research, Sathyabama University, Chennai 600119.pp

9. Participated and present a paper on “**Evolution of Hotwater extract of *Gracilariacorticata* on *Mugilcephalus* against *Vibrio parahaemolyticus***” held on during 20<sup>th</sup>-21<sup>th</sup> February, 2013, Organized by Sri Kanchi Krishnan College of Arts and Science College, Kanchipuram. pp
10. Participated and **present a paper** on “**Antibacterial and enhancement immune response of *Gracillariaverrucosain* *Mugilcephalus* against *Vibrio parahaemolyticus***” in 10<sup>th</sup> IAAM National Conference “**Exploring the Potentials of Microbes for Bioscience, Biotechnology & Medicine**” held on during 17-18<sup>th</sup> December, 2012 organized by Centre for Environmental Nuclear Research, SRM University, and Chennai. pp
11. Participated and **Present a paper on Enhance Immunity in *Mugilcephalus* (Mullet) by *Kappaphycusalvarezii* against *Aeromonashydrophila*** in National conference on “**Aquatic animal health and Management(NCAAHM)**” held on during 14<sup>th</sup> -15<sup>th</sup> of September, 2012 organized by Center of Advanced study in Marine biology, Annamalai University, Parangipettai-608502, Tamil Nadu, India. pp-124.

#### **NATIONAL LEVEL- Participation**

12. Participated in 2<sup>nd</sup> **National conference on Frontiers in Translation Microbiology** held on 27<sup>th</sup>-28<sup>th</sup> January 2016 at by PG and Research department of Microbiology, Sri Sankara and Science collage, Kanchipuram, Tamil Nadu, India.
13. Participated in National Seminar on **Application of Mammalian Cell culture in Translational research** held on 30<sup>th</sup> October 2015, organized by Centre for Drug Discovery and Development, Sathyabama University, Chennai 600119.
14. Participated and **present a paper** on “**Seaweed as an Immunostimulation**” in National conference on “**Marine fish and shellfish immunology & Immunotechnology**” held on during 30<sup>th</sup>-31<sup>th</sup> of March, 2012 organized by Center of Advanced study in Marine biology, Annamalai University, Parangipettai-608502.
15. Participated in National Conference on “**Environment, Biodiversity and Bioethics- Current trends and future perspectives-2012**” held on during 23<sup>th</sup>-24<sup>th</sup> of March, 2012 organized by Department of Zoology, Annamalai University, Annamalai Nagar 608 002, Tamil Nadu, India.
16. Participated in National Symposium on “**Microbial Enzymes and Probiotics**” held on during 28<sup>th</sup> of October 2011 organized by PG and Research Department of Microbiology, Adhiparasakthi College of Arts & Science, G.B. Nagar, Kalavai- 632 506, Vellore, Tamil Nadu, India.
17. Participated in National Seminar on “**Recent trends in environmental toxicology**” held on during on 28<sup>th</sup>-29<sup>th</sup> of January 2011 organized by School of enzymology and environmental toxicology, P.G and research department of zoology at Sri Thagararaya college, Chennai 600 021, Tamil Nadu, India.
18. Participated in “**National Symposium on Climate change and Marine Biodiversity**” (CCMB-2010) held on during on 26<sup>th</sup> of February 2010 organized by Center of Advanced study in Marine biology, Annamalai University, Parangipettai-608502, Tamil Nadu, India

19. Participated in National Conference on “**Biotechnology for Human Development**” held on during 27<sup>th</sup> -28<sup>th</sup> of November, 2009 organized by School of Bioscience and Technology, VIT, Vellore, Society for Biotechnology, India and Rajiv Gandhi center for Biotechnology, Thiruvanthapuram, India.
20. Participated in 5th National Conference on “**Emerging Trends and Evolving Technology in Applied Microbiology with special reference to Microbial Nanotechnology**” held on during 11<sup>th</sup>-12<sup>th</sup> of January, 2007 organized by Sri Sankara and Science collage, Kanchipuram, Tamil Nadu, India.
21. Participated in National level seminar “**Sizzling Microbes**” held on during 27<sup>th</sup> of January 2005 organized by DhanabagiyamKrsishnaswamyMudaliar College for women, Vellore-632001 Tamil Nadu, India.
22. Participated in State level Seminar on “**Recent Trends in Microbial Biotechnology**” (Sanmicrofest-2003) held on during 30<sup>th</sup>& 31<sup>st</sup> of December 2003, organized by Sri Sankara Arts & Science College, Kanchipuram, Tamil Nadu, India.

#### **STATE LEVEL**

23. Participated in Margadarshan-2004 “**Personality development seminar**” held on 4<sup>th</sup> September 2004, organized by Sri Sankara Arts and Science College Kanchipuram, Tamil Nadu, India.
24. Participated in State level Seminar on “**Recent Trends in Microbial Biotechnology**” (**SANMICROFEST-2001**) held on during 30<sup>th</sup> -31<sup>th</sup> of January, 2001 organized by Sri Sankara Arts & Science College, Tamil Nadu.

#### **Technical Details**

- ❖ Advanced Diploma in Bioinformatics (ADBI)- During 2006-2007 at Sri Sankara Arts and Science College, Kanchipuram.
- ❖ Diploma in Computer Application (DCA) –during June 2003-November 2003 at SAM Computer Academy, Kanchipuram-631501

#### **PERSONAL DETAILS**

**Father’s Name** : Mr. P. Thirunavukkarasu  
**Mother’s Name** : Mrs. T. Dhanam  
**Nationality** : Indian  
**Marital status** : Married  
**Languages known** : Tamil&English  
**Residential Address** : 135, Kizhandai Street, Ayyangarkulam  
 Kanchipuram – 631 502. Tamil Nadu, INDIA.