



**Dr. N. M. PRABHU**

**Associate Professor**

### Contact

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### Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph.D	CAS in Marine Biology, Annamalai University, Parangipettai, Tamilnadu	1994-1999	Marine Biology (Aquaculture - Title of the thesis is Brood stock development in <i>Peanaeus monodon</i> fabricius from farm grown shrimps)	Awarded
M.Sc.,	CAS in Marine Biology, Annamalai University, Parangipettai, Tamilnadu	1991-1993	Coastal Aquaculture	First
B.Sc.,	Thiagarajar college , MKUMadurai	1988-1991	Zoology	First

### Teaching Experience 15 years

Position	Institution / University	Duration
Associate Professor	Department of Animal Health and Management, Disease Control and Prevention Lab, Alagappa University, Karaikudi, Tamilnadu, India	3 <sup>+</sup> Years (30.5.2020 to till date)
Assistant Professor	Department of Animal Health and Management Disease Control and Prevention Lab, Alagappa University, Karaikudi, Tamilnadu, India.	12 years (30.5.2008 to 30.5.2020)

### Research Experience : 15+ Years

Position	Institution / University	Duration
Associate Professor	Department of Animal Health and Management, Disease Control and Prevention Lab, Alagappa University, Karaikudi, Tamilnadu, India	3 <sup>+</sup> Years (30.5.2020 to till date)
Assistant Professor	Department of Animal Health and Management Disease Control and Prevention Lab, Alagappa University, Karaikudi, Tamilnadu, India.	12 years (30.5.2008 to 30.5.2020)

### Industry Experience: 9 Years

Position	Institution /Industry	Duration
Production Manager	The Handy Water Base (Pvt), Plot No. C-3, SIPCOT Industrial Complex, Madathur Post, Tuticorin – 628 008, Tamil Nadu. Seafood Processing -Crab Meat Pasteurization	<b>3 Years (2005 to 2008)</b>
Assistant Manager	The Waterbase Ltd, Registered office/ Factory: Ananthapuram Village, Nellore -524 344, Andhra Pradesh. Aquaculture Farming & Hatchery -Shrimp production -Specialization in High Health Shrimp Seed Production in <i>P. monodon</i> (SPF) and Soft Shell Mud crab production and Processing	<b>6 Years (1999 – 2005)</b>

## Academic and Additional Responsibilities

S.No	Position	University Bodies	Period	
			From	To
1.	Head i/c,	Department of Fisheries Science, Alagappa University, Karaikudi	3.1.2024	Till date
2	Head	Naan Mudhalvan Operation cell, Alagappa University	2023	Till Date
3.	Deputy Director	Curriculum Design and Development Cell	2019	Till Date
4.	SPOC	Single Point Coordinator BOAT & Alagappa University	2020	Till Date
5.	Member	M.Sc admission Animal Health and Management and Zoology, Alagappa University	2008	Till date
6.	Member	M.Phil admission Animal Health and Management and Zoology, Alagappa University	2008	Till date
7.	Member	Ph.D admission Animal Health and Management and Zoology, Alagappa University	2008	Till date
8.	Member	Seminar/Symposia	2016	Till date
9.	Co-ordinator	Syllabus committee	2016	Till date
10.	Member	Tour Programme	2016	Till date
11.	Member	IQAC, Annual Report and Academic Audit	2016	Till date
12.	Co-ordinator	Stock Maintenance	2016	Till date
13.	Faculty In charge	Continuous Internal Assessment for M.Phil Zoology Regular Programme	2016	
14.	Faculty In charge	M.Sc Zoology II <sup>nd</sup> Year Dissertation Works	2016	Till date
15.	Member	Ad-hoc	2016	Till date
16.	Member	II <sup>nd</sup> M.Sc Zoology Practical-In-Charge	2016	2017
17.	Co-ordinator	Culture event – Alagappa University	March 2017	
18.	Co-ordinator	Remedial coaching –Department of Animal Health and Management	2017	Till date
19.	Co-ordinator	SWAYAM	2017	Till date

20.	Co-ordinator	Non Major Electives	2020	Till date
21.	Co-ordinator	Entrepreneurship, innovative and career hub	2021	Till date

## Areas of Research

### Alternative medicine for Disease control and prevention

- ❖ Isolation of bioactive compounds herbal plants and marine seaweeds for anticancer properties.
- ❖ Isolation of therapeutic potential sulfated polysaccharides from seaweeds for Biomedical and Animal Health.
- ❖ Control and prevention of bacterial pathogens using plant compounds, probiotics and nanoparticles.

## Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	PDF	Nil	Nil
	Ph.D	10	4
	M.Phil	16	1
Project	PG	51	9
	UG / Others	Nil	Nil

## Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
78	29	6	48	2

<b>Cumulative Impact Factor (as per JCR)</b>	:	352.32
<b>h-index</b>	:	Scopus : 27 : Google Scholar :33
<b>i10 index</b>	:	Google Scholar : 54
<b>Total Citations</b>	:	Scopus 1978: Google Scholar : 3148

## Publications

<b>Thesis Evaluated</b>	2
<b>Viva voce Examiner</b>	2

## Funded Research Projects

### Ongoing Projects:

S.No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	RUSA EIR	2023	2024	Standardization of isolation techniques for commercial production of fucoidan and investigation of their biological activity (PI)	12.88
2	RUSA EIR	2023	2024	Formulation of seaweed base instant soup mixture for human consumption	2.00
3	RUSA EIR	2023	2024	Finfish species specific biofloc formulation for aquaculture application	2.00

### Completed Projects:

S.No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	RUSA 2.0	2022	2023	Translational Health Research for Human, Animal and Plant systems-Sub Theme: Pharmaceuticals for Eco-friendly control of Life threatening Diseases of Animals- Title- Isolation of therapeutic potential sulfated polysaccharides from marine macroalgae for Human and Animal Health (PI)	4.2
2	RUSA 2.0	2018	2020	Translational Health Research for Human, Animal and Plant systems-Sub Theme: Pharmaceuticals for Eco-friendly control of Life threatening Diseases of Animals- Title- Isolation of therapeutic potential sulfated polysaccharides from marine macroalgae for Human and Animal Health (PI)	4.5
3	DBT	2015	2018	Purification, characterization, functional analysis and structural elucidation of pattern recognition molecule $\beta$ -1, 3- glucan binding protein and antimicrobial peptides from crustaceans-(CO-I)	57.9

4	CSIR	2012	2015	cDNA cloning mRNA transcript and functional analysis of novel immune related genes prophenoxidase and peroxinectin from indian white shrimp <i>Fenneropenaeus indicus</i> . (Co-I)	22.0
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5	DBT	2012	2014	Genome characterization and mRNA transcript analysis of novel immune related $\alpha$ 2 macroglobulin and serine proteinae from <i>Feneropenaeus indicus</i> - <b>(Co-I)</b>	22.8
6	UGCI	2011	2015	Isolation and characterization of potential probiotic strains for successful treatment of bacterial disease in <i>Cyprinus carpio</i> , <i>Osteogiossum bichirrossum</i> and <i>Cichlasoma spp</i> <b>(PI)</b>	10.7
7	UGC	2009	2011	Molecular characterization of Indigenous and exotic probiotic strains and its effective treatment on Bacterial diseases in aquaculture control strategy	9.7
8.	AURF	2010	2011	Zoonotic Disease survey in live stock and poultry animals in Sivagangai and Ramanathapuram district	0.64

#### Other Fund Received as Research Mentor:

S.No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	DST-INSPIRE	2015	2020	Biosynthesis of silver nanoparticles using marine plant compounds and its anti-microbial efficacy against shrimp pathogen	18.25
2	DST-INSPIRE	2011	2014	Studies on biocatalytic and antibacterial potential of green synthesized silver nanoparticles using <i>ocimum</i> spp	8.2

#### Consultancy Projects:

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

#### Distinctive Achievements / Awards

1	2023	Certificate of Appreciation –Naan Mudhalvan operation cell head, Alagappa University From Tamil Nadu Skill Development Corporation, Tamil Nadu
2	2022	Promising Research Award from Alagappa University, Karaikudi.
3	2021	Ranking for Scientist - World Scientist and University Rankings - Alagappa University from AD Scientific Index
4	2021	Theme Based Research Project of RUSA 2.0 – from Alagappa University, Karaikudi.
5	2020	Vallal Alagappan Research Recognition Award – from Alagappa University,

		Karaikudi.
6	2006- 2008	Approved Sea food technologist
7	2007- 2008	US FDA, EU and BRC approval for the Handy Water base India Pvt.
8	2003- 2005	Found a new method of brood collection to reduce the virulence of virus like WSSV, MBV, YHV worked in collaborated project (Water base India Ltd tie up with INVA and Monotech, USA).
9	2000- 2003	Standardized the <b>Soft Shell Mud Crab</b> production for commercialization and exported to Handy International, USA.
10	1999 - 2000	<b>Found a new method for culturing the Soft Shell Mud crab first people in India</b> – The Water base India Ltd
11	1995 - 1997	Project fellow – Shrimp spawner development for Hatchery purposes approved by Tamilnadu state council for science and technology
12	1994	Project fellow - M/S Sriram Marine Harvest Ltd, Poompuhar (400 has includes, Hatchery, Farm )

### Achievements

<u>Industry</u>	
1	Found new method of technology for <b>Soft Shell Crab production</b> due to this project <b>50 employees</b> and more than <b>1000 fishermen were benefited</b> .
2	<b>High health shrimp seed production</b> (commercial production of specific pathogen seed) from brood stock collection to Post larval production. <b>More than 1000 fisherman and 20 agents were trained</b> to collect as per the scientific protocol in east coast of India.

<u>Academic</u>	
1	<b>Isolated two bioactive compounds</b> from <i>Cassia auriculata</i> , shows activity against colon cancer.
2	<b>Two probiotics were isolated</b> from curd and fermented rice, shows high inhibitory activity against ornamental fish pathogens

### Number of Seminars / Conferences / Workshops / Events organized:

#### Events organized in leading roles

Position	Programme	Duration	Institution
Organizer & Coordinator	A Massive up skilling Programme – Faculty Development Programme for the faculty of Alagappa University Affiliated colleges	8 <sup>th</sup> January to 12 <sup>th</sup> 22 to 25 & 30 and 31 January, 2024-	Alagappa University
Organizer & Coordinator	A Massive up skilling Programme – Faculty Development Programme for the faculty of Alagappa University Affiliated colleges		Alagappa University
Naan Mudhalvan operational cell Head Organizer	Sensitization and review meeting on Naan Mudhalvan course implementation to Principals and SPOCs of Arts and Science	28 <sup>th</sup> March, 2023,	Conference Hall, Alagappa University

	colleges Alagappa University		
Delivered a Key-note	The Centenary Year of Our Benefactor Founder Thiru.O.R.M.M.SP.SV.AN.ANNAMALAI chettiar (1923-2023) and Golden Jubilee Year of Zoology Department Association Meeting	8 <sup>th</sup> March 2023,	Zoology Seminar Hall, Sree Sevugan Annamalai College
Organizer & Coordinator	A Massive up skilling Programme – Faculty Development Programme for the faculty of Alagappa University Affiliated colleges	30 <sup>th</sup> January to 11 <sup>th</sup> February, 2023 -	Alagappa University
Organizing Secretary	2nd National Seminar on Next Generation Technology for Sustainable Fisheries	29 <sup>th</sup> and 30 <sup>th</sup> March 2022,	Department of Fisheries Science and Department of Animal Health and Management, Alagappa University
Organizing Secretary	Next generation for sustainable fisheries	21 <sup>st</sup> November 2020	Department of Fisheries Science and Department of Animal Health and Management, Alagappa University, Karaikudi
Co-Chairperson for Technical Session	International Conference on Innovative and Emerging Trends in Botany (ICIETB-2019)	6 <sup>th</sup> and 7 <sup>th</sup> November 2019	Department of Botany, Alagappa University.
Co-Chairperson for oral presentation	3rd International Conference on Recent Trends in Microbiology (RTM-2019)	24 <sup>th</sup> and 25 <sup>th</sup> January, 2019	Department of Microbiology, Alagappa University
Inaugural address/ Chairperson	Opening of Aquaculture unit (Animal House) and training programme on business opportunities in aquaculture and vermiculture technology	2 <sup>nd</sup> to 8 <sup>th</sup> March, 2018	Alagappa University
Member	Business resource of solid waste management through vermicomposting	14 <sup>th</sup> and 15 <sup>th</sup> March 2017	Department of Animal Health and Management, Alagappa University, Karaikudi
Member	International Workshop on “Molecular Physiology, Therapeutics and	6 <sup>th</sup> and 7 <sup>th</sup> September 2016	Department of Animal Health



	Experimental Medicine”		and Management, Alagappa University
Organizing Secretary	Training programme on “Live feed culture production (Artemia, Phytoplankton & Zooplanktons, Spirulina), and Sea weed culture and its allied industries	26 <sup>th</sup> February 2016	Department of Animal Health and Management, Alagappa University
Organizing Secretary	Training programme on “Shrimp and fin fish production skills for aquaculture business”	15 <sup>th</sup> December 2015	Department of Animal Health and Management, Alagappa University
Organizing Secretary	Training programme on “Small Scale business setup in ornamental fish farming, apiculture, mushroom and silk production”	20 <sup>th</sup> January 2016	Department of Animal Health and Management, Alagappa University
Organizing Secretary	Training programme on “Shrimp and fin fish production skills for aquaculture business”	15 <sup>th</sup> December 2015	Department of Animal Health and Management, Alagappa University
Organizing Secretary	Training programme on “Motivation for business development skills in live stock rearing and its by product production”	7 <sup>th</sup> December 2015	Department of Animal Health and Management, Alagappa University
Member	International Seminar On “Recent Trends In Aquatic Animal Biotechnology” (RTAAB- 2013)	21 <sup>st</sup> – 22 <sup>nd</sup> October 2013	Department of Animal Health and Management, Alagappa University
Organizing Secretary	Health Camp	09.04.2013	Department of Animal Health and Management, Alagappa University
Member	International seminar on “Applications of Confocal Microscopy Techniques in Animal Health Management” (ACAH’2010)	29-30 March 2010	School of Animal Health and Management, Alagappa University, Karaikudi-630 003
Member	Tamizha Ariviyal paeravai “Tamizhkathin Sakthi Valam” 2009	12 <sup>th</sup> September 2009	Alagappa University, Karaikudi-630

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## Events Participated

Number of Conferences / Seminars / Workshops: 75

## Overseas Exposure / Visits

1. Thailand for Technology transfer from Thailand Viya processing plant for crab pasteurization their production technology, quality control management and essential laboratory technical aspects like bacterial analysis. From 13.7.2007 to 18.7.2007
2. Thailand for Training and Technology Imported for - Soft shell mud production and other aquatic organisms like grouper, mussels and oyster (open type culture). Soft Shell crab production training in the farm located in Klung Town, Chandaburi Province, Thailand from 28.1.2001 to 02.02.2001

## Membership

### Professional Bodies

1. Life Member: Indian Science Congress Association
2. Life Member: Society of Aquaculture Profession

### Advisory Board

Year / Period	Name of the BoS / Administrative Committee / Academic Committee	Role
2012	Broad Based Board of Studies- Designing curriculum – M.Sc Zoology, Alagappa University .	Member
2017	Board of Studies- Designing curriculum – M.Sc Zoology, Alagappa University.	Member
2019	Broad Based Board of Studies- Designing curriculum – M.Sc Zoology, Alagappa University	Member
2019	Broad Based Board of Studies- Designing curriculum – M.Sc Fisheries Science , Alagappa University	Member
2022	Broad Based Board of Studies- Designing curriculum – M.Sc Zoology, Alagappa University	Member
2022	Broad Based Board of Studies- Designing curriculum – M.Sc Fisheries Science , Alagappa University	Member
2022	Board of Studies- Designing curriculum – B,Sc and M.Sc Zoology , Affiliated Colleges, Alagappa University	Member
2022	Board of Studies- Designing curriculum – M.Sc	Member

	Biotechnology , Affiliated Colleges, Alagappa University	
2023	Board of Studies- Designing curriculum – B,Sc and M.Sc Zoology , Affiliated Colleges, Alagappa University	Member

#### Academic Bodies in Other Institutes/ Universities

Year / Period	Name of the BoS / Administrative Committee / Academic Committee	Role
2022	Board of Studies- Designing curriculum – B,Sc and M.Sc Zoology Thiagararaj College, Madurai	Member

#### Ph.D. Thesis Guided

1.	No. of PhD Thesis evaluated	:	10
2.	No. of PhD Public Viva Voce Examination conducted	:	10

S. No	Name of the Scholar	Title of the Thesis	Year of Completion
1.	M. Esakkirajan	Studies on Bioactive compounds isolated from <i>Cassia auriculata</i> against colon cancer	2015
2.	R. G. Nisha	Studies on antiinfective potential of probiotic bacteria against the pathogenic bacteria of fresh water ornamental fish	2016
3.	K. Devi	Mitochondrial genome analysis of type 2 diabetes associated peripheral neuropathy complication	2016
4.	M. Latha	Studies on biocatalytic and antibacterial potential of green synthesized silver nanoparticles using <i>Ocimum</i> spp	2016
5.	S. Palanisamy	Studies on therapeutic potential of fucoidan isolated from marine macroalga <i>Sargassum polysctum</i>	2017
6	P. Rajasekar	Evaluation of herbal medicines, microalga and sulfated polysaccharide of <i>Spirulina platensis</i> on growth, carotenoid content and reproductive performance of freshwater ornamental fishes	2021
7.	R. Anjali	Studies on therapeutic potential of biosynthesized silver nanoparticles using green seaweed <i>Caulerpa sertularioides</i> and its sulfated polysaccharides for shrimp health	2022

		management	
8.	B. Babu	Studies on disease prevalence in shrimp farms situated in the east coastal region of India and evaluation of antiinfective potential of probiotic, molasses, and biofloc against <i>Vibrio parahaemolyticus</i> in <i>Litopenaeus vannamei</i>	2023
9.	M. Vinosha	Studies on therapeutic properties of sulfated galactan from macroalga <i>Halymenia dilatata</i> for applications in aquaculture	2023
10.	M. Manikanda krishnan	Studies on therapeutic properties of sulfated polysaccharides extracted from seaweed <i>Caulerpa racemosa</i> for application in biomedical and aquaculture	2023

### List of Research Articles / Recent Publications

S.No	Authors/Title of the paper/Journal	Impact Factor
1.	John, A.S., Gopalakrishnan, A., Sravani, S., Dewangan, N.K., Seralathan, M.V. and <b>Prabhu, N.M.</b> , 2024. Co-infection of mud crab Reovirus (MCRV) and <i>Staphylococcus saprophyticus</i> in giant mud crab, <i>Scylla serrata</i> (Forsskal, 1775). Aquaculture	4.5
2.	Kiruthiga, Chandramohan, Devasahayam Jaya Balan, Nagaiah Hari Prasath, Muthushanmugam Manikandakrishnan, Sakthivel Jafni, <b>Narayanasamy Marimuthu Prabhu</b> , Shunmugiah Karutha Pandian, and Kasi Pandima Devi (2024). "Synergistic induction of apoptosis in lung cancer cells through co-delivery of PLGA phytol/ $\alpha$ -bisabolol nanoparticles." Naunyn-Schmiedeberg's Archives of Pharmacology	3.6
3.	Subramanian Palanisamy, Ravichandran Anjali, Solomon Jeneeta, Sonaimuthu mohandoss, Dhanapal Keerthana, Il-Shik Shin, SangGuan You & <b>Narayanasamy Marimuthu Prabhu</b> . (2023). An effective bio-inspired synthesis of platinum nanoparticles using <i>Caulerpa sertularioides</i> and investigating their antibacterial and antioxidant activities. Bioprocess Biosystem Engineering 46, 105–118.	3.8
4.	Ravichandran Anjali, Subramanian Palanisamy, Manoharan Vinosha, Avudaiyan Muthamil Selvi, Muthushanmugam Manikandakrishnan, Ganesan Sathiyaraj, Thangapandi Marudhupandi, Sang Guan You, <b>Narayanasamy Marimuthu Prabhu</b> *(2022). Sulfated polysaccharides from <i>Caulerpa sertularioides</i> : Extraction and evaluation of antioxidant, antibacterial, and immunological properties, Industrial Crops & Products.	5.9
5.	Anjali, R., Palanisamy, S., Vinosha, M., Selvi, A. M., Sathiyaraj, G., Marudhupandi, T. & <b>Prabhu, N.M*</b> . (2022). Fabrication of silver nanoparticles from marine macro algae <i>Caulerpa sertularioides</i> : Characterization, antioxidant	4.4

	and antimicrobial activity. Process Biochemistry.	
6.	Sathiyaraj Ganesan, Babu Baskaran Mithun Raj, Saravanan Marimuthu, Velmurugan Krishnasamy, Ruban Lamech, Anup Mandal, Kandan Shanmuganathan, Prabhu <b>Narayanasamy Marimuthu*</b> . 2022. Reovirus occurrence in mud crab farming systems and wild-caught brooders located in eastern coastal area of India. Aquaculture International.	2.9
7.	Devi Kasinathan, Khalid Matrougui, Santhini Elango, Souad Belmandani, Balaji Srinivas, Karthikeyan Muthusamy, <b>Prabhu Narayanasamy Marimuthu</b> . 2022. Mitochondrial ATP6 and ND3 genes are associated with type 2 diabetic peripheral neuropathy. Diabetes & Metabolic Syndrome: Clinical Research & Reviews.	10
8.	Sonaimuthu Mohandoss, Subramanian Palanisamy, SangGuan You, Manoharan Vinosha, Periyannan Rajasekar, Kuppu Sakthi Velu, Yong Rok Lee, <b>Narayanasamy Marimuthu Prabhu</b> . 2022. Nanofibers from hydroxypropyl $\beta$ -cyclodextrin/pantothenic acid supramolecular complexes: Physicochemical characterization and potential biomedical applications. Journal of Industrial Textiles.	3.2
9.	Annapoorani, A., Koodalingam, A., Beulaja, M., Saiprasad, G., Chitra, P., Stephen, A., Palanisamy, S., <b>Prabhu, N.M.</b> , You, S., Janarthanan, S. and Manikandan, R., (2022). Eco-friendly synthesis of zinc oxide nanoparticles using <i>Rivina humilis</i> leaf extract and their biomedical applications. Process Biochemistry.	4.4
10.	Natchanok Talapphet, Subramanian Palanisamy, ChangSheng Li, Nan Ma, <b>Narayanasamy Marimuthu Prabhu</b> , SangGuan You. 2021. Polysaccharide extracted from <i>Taraxacum platycarpum</i> root exerts immunomodulatory activity via MAPK and NF- $\kappa$ B pathways in RAW264.7 cells. Journal of Ethnopharmacology.	5.4
11.	Ganesan, S., Baskaran, B., Raj, M., Mandal, A., Shanmugam, K., Subramanian, P. & <b>Prabhu. N.M*</b> . (2021). Vibriosis Incidents in Marine Finfish Farms: Prevalence, Diagnosis of Pathogens using 16S rRNA, Histopathology, and In Vitro Antibacterial Evaluation against Isolated <i>Vibrio</i> spp using Antibiotics and Probiotics. Thalassas: An International Journal of Marine Sciences.	0.7
12.	Ganesan Sathiyaraj, Manoharan Vinosha, Duraisamy Sangeetha, Muthushanmugam Manikandakrishnan, Subramanian Palanisamy, Mohandoss Sonaimuthu, Ramar Manikandan, SangGuan You, <b>Narayanasamy Marimuthu Prabhu</b> . 2021. Bio-directed synthesis of Pt-nanoparticles from aqueous extract of red algae <i>Halymenia dilatata</i> and their biomedical applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects.	5.2
13.	Baskaran Babu, Ganesan Sathiyaraj, Anup Mandal, Shanmuganathan Kandan, Narayanan Biju, Subramaniyan Palanisamy, SangGuan You, Rajagopalan Girijakumari Nisha, <b>Narayanasamy Marimuthu Prabhu</b> . 2021. Surveillance of disease incidence in shrimp farms located in the east coastal region of India and in vitro antibacterial efficacy of probiotics against <i>Vibrio parahaemolyticus</i> . Journal of Invertebrate Pathology.	3.4
14.	Kannan Karuppiyah, Sivaranjani Sekar, Kumar Rajendran, Karuppasamy Karuthapandian, <b>Prabhu Narayanasamy Marimuthu</b> , Kannapiran Ethiraj. 2021. Length-weight relationship of six demersal fish species from Gulf of Mannar, Bay of Bengal, Eastern Indian Ocean. Journal of Applied Ichthyology.	0.9

15.	Sonaimuthu Mohandoss, Thomas Nesakumar Jebakumar Immanuel Edison , Raji Atchudan, Subramanian Palanisamy, <b>Narayanasamy Marimuthu Prabhu</b> , Ayyakannu Arumugam Napoleon, SangGuan You, Yong Rok Lee, Ultrasonic-assisted efficient synthesis of inclusion complexes of salsalate drug and $\beta$ -cyclodextrin derivatives for potent biomedical applications. Journal of Molecular Liquids.	6
16.	Avudaiyan Muthamil Selvi, Subramanian Palanisamy, Singaram Jeyanthi, Manoharan Vinosha, Sonaimuthu Mohandoss, Mehdi Tabarsa, SangGuan You, Ethiraj Kannapiran, <b>Narayanasamy Marimuthu Prabhu</b> . 2020. Synthesis of <i>Tragia involucrata</i> mediated platinum nanoparticles for comprehensive therapeutic applications: Antioxidant, antibacterial and mitochondria-associated apoptosis in HeLa cells. Process Biochemistry.	4.4
17.	Nagarajan Padmini, Nagasundaram Rashiya, Natesan Sivakumar, Narayanan Dhiraviam Kannan, Ramamoorthy Manjuladevi, Periyannan Rajasekar, <b>Narayanasamy Marimuthu Prabhu</b> , Gopal Selvakumar. 2020. <i>In vitro</i> and <i>in vivo</i> efficacy of methyl oleate and palmitic acid against ESBL producing MDR <i>Escherichia coli</i> and <i>Klebsiella pneumonia</i> . Microbial Pathogenesis.	3.8
18.	Manikandan, R., Parimalanandhini, D., Mahalakshmi, K., Beulaja, M., Arumugam, M., Janarthanan, S., & <b>Prabhu, N. M.</b> (2020). Studies on isolation, characterization of fucoidan from brown algae <i>Turbinaria decurrens</i> and evaluation of it's <i>in vivo</i> and <i>in vitro</i> anti-inflammatory activities. International Journal of Biological Macromolecules.	8.2
19.	Pandi Boomi, Ramalingam Ganesan, Gurumalles Prabu Poorani, Sonamuthu Jegatheeswaran, Chandrasekaran Balakumar, Halliah Gurumalles Prabu, Krishnan Anand, <b>Narayanasamy Marimuthu Prabhu</b> , Jeyaraman Jeyakanthan, Muthupandian Saravanan. 2020. Phyto-Engineered Gold Nanoparticles (AuNPs) with Potential Antibacterial, Antioxidant, and Wound Healing Activities Under <i>in vitro</i> and <i>in vivo</i> Conditions. International journal of nanomedicine.	8
20.	Vinosha, M., Palanisamy, S., Anjali, R., Li, C., Yelithao, K., Marudhupandi, T., & <b>Prabhu, N. M.</b> (2020). Sulfated galactan from <i>Halymenia dilatata</i> enhance the antioxidant properties and prevents <i>Aeromonas hydrophila</i> infection in tilapia fish: <i>In vitro</i> and <i>in vivo</i> study. International Journal of Biological Macromolecules	8.2
21.	Tabarsa, M., Dabaghian, E. H., You, S., Yelithao, K., Palanisamy, S., <b>Prabhu, N. M.</b> , & Li, C. (2020). Inducing inflammatory response in RAW264. 7 and NK-92 cells by an arabinogalactan isolated from <i>Ferula gummosa</i> via NF- $\kappa$ B and MAPK signaling pathways. Carbohydrate Polymers	11.2
22.	Baskaran Babu, Subramanian Palanisamy, Manoharan Vinosha, Ravichandran Anjali, Ponnuchamy Kumar, Boomi Pandi, Mehdi Tabarsa, SangGuan You & <b>Narayanasamy Marimuthu Prabhu</b> . (2020). Bioengineered gold nanoparticles from marine seaweed <i>Acanthophora spicifera</i> for pharmaceutical uses: antioxidant, antibacterial, and anticancer activities. Bioprocess and Biosystems Engineering	3.4
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### Resource persons in various capacities

National Conferences	:	1
International Conferences	:	1
Invited Lectures	:	4

Date : 29.2.2024

Place : Karaikudi

(Signature)

Name; Dr.N.M.Prabhu

Designation: Associate Professor