Dr. N. M. PRABHU
Associate Professor & Head i/c

Contact

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Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph.D.	CAS in Marine Biology, Annamalai University	1994-1999	Marine Biology (Aquaculture - Title of the thesis is Brood stock development in *Peanaeus monodon* fabricius from farm grown shrimps)	Awarded
M.Sc.	CAS in Marine Biology, Annamalai University	1991-1993	Coastal Aquaculture	First
B.Sc.	Thiagarajar College, MKU, Madurai	1988-1991	Zoology	First

Teaching Experience: 15 Years

Position	Institution / University	Duration
Associate Professor	Department of Animal Health and Management, Alagappa University, Karaikudi	30.5.2020 to till date

Research Experience: 15 Years

Assistant Professor	Department of Animal Health and Management, Alagappa University, Karaikudi	30.5.2008 to 30.5.2020

Position	Institution / University	Duration
Associate Professor	Department of Animal Health and Management, Disease Control and Prevention Lab, Alagappa University, Karaikudi	30.5.2020 to till date
Assistant Professor	Department of Animal Health and Management Disease Control and Prevention Lab, Alagappa University, Karaikudi	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	2005 to 2008
Assistant Manager	The Waterbase Ltd, Registered office/ Factory: Ananthapuram Village, Nellore -524 344, Andhra Pradesh. Aquaculture Farming & Hatchery Operations -Shrimp production -Specialization in High Health Shrimp Seed Production in *P. monodon* (SPF) and Soft Shell Mud crab production and Processing	1999 – 2005

Academic and Additional Responsibilities

S. No.	Position	University Bodies	Period	
			From	To
	University Level			
1.	Head i/c,	Department of Fisheries Science, Alagappa University, Karaikudi	January, 2024	Till date
2	Head	Naan Mudhalvan Operation cell, Alagappa	January 2023	Till Date

		University		
3.	SPOC	Single Point Coordinator BOAT VS Alagappa University	2020	Till Date
4.	Deputy Director	Curriculum Design and Development Cell	July, 2019	Till Date
	Department Level			
1.	Member	M.Sc., admission Animal Health and Management and Zoology, Alagappa University	2008	Till date
2.	Member	M.Phil admission Animal Health and Management and Zoology, AlagappaUniversity	2008	Till date
3.	Member	Ph.D admission committee Animal Health and Management and Zoology, AlagappaUniversity	2008	Till date
4.	Coordinator	Syllabus committee- Department of Animal Health and Management AlagappaUniversity	2016	Till date
5.	Member	Tour Programme- Department of Animal Health and Management Alagappa University	2016	Till date
6.	Member	IQAC, Annual Report and Academic Audit- Department of Animal Health and Management AlagappaUniversity	2016	Till date
7.	Coordinator	Stock Maintenance- Department of Animal Health and Management AlagappaUniversity	2016	Till date
8.	Member	IInd M.Sc Zoology Practical-In-Charge	2016	2017
9.	Coordinator	Culture event – Alagappa University	March 2017	
10.	Coordinator	Remedial coaching –Department of Animal Health and Management	2017	Till date
11.	Coordinator	SWAYAM	2017	Till date
12.	Coordinator	Non Major Electives	2020	Till date
13.	Coordinator	Entrepreneurship, innovative and career hub	2021	Till date

Areas of Research: Alternative medicine for Disease control and Prevention

1. Isolation of bioactive compounds herbal plants and marine seaweeds for anticancerproperties.
2. Isolation of therapeutic potential sulfated polysaccharides from seaweeds for Biomedical and

Animal Health.

3. Control and prevention of bacterial pathogens using plant compounds, probiotics and nanoparticles.

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D	10	4
	M.Phil	16	1
Project	PG	51	9

Publications

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

Citation indices

Cumulative Impact Factor (as per JCR)	**352.32**	
	Google Scholar	**Scopus**
h-index	33	27
i10 index	54	
Total Citations	3148	1978

Funded Research Projects

Ongoing Projects: 3

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: 8

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 β-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 *Fenneropeneaus indicus*. (Co-I)	22.0
5	DBT	2012	2014	Genome characterization and mRNA transcript analysis of novel immune related α 2 macroglobulin and serine proteinae from *Feneropenaeus indicus*-(Co-I)	22.8
6	UGC	2011	2015	Isolation and characterization of potential probiotic strains for successful treatment of bacterial disease in *Cyprinus carpio*, *Osteogiossum bichirrossum* and *Cichlasoma spp* (PI)	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 (Co-I).	9.7
8	AURF	2010	2011	Zoonotic Disease survey in livestock and poultry animals in Sivagangai and Ramanathapuram district (PI)	0.64

Other Fund Received as Research Mentor: 2

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 *ocimum* spp	8.2

Distinctive Achievements / Awards

S.No	Year	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 Alagappar Research Recognition Award – from Alagappa University, Karaikudi.
6	2006 to 2008	Approved Sea food technologist
7	2007 to 2008	US FDA, EU and BRC approval for the Handy Water base India Pvt.
8	2003 to 2005	Found a new method of brood collection to reduce the virulence ofvirus like WSSV, MBV, YHV worked in collaborated project (Water base India Ltdtie up with INVA and Monotech, USA).
9	2000 to 2003	Standardized the **Soft Shell Mud Crab** production for commercialization

		and exported to Handy International, USA
10	1999 to 2000	**Found a new method for culturing the Soft Shell Mud Crabfirst people in India** – The Water base India Ltd
11	1995 to 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)

Industry	
1.	Found new method of technology for **Soft Shell Crab production** due to these project **50 employees** and more than **1000 fishermen were benefited**.
2.	**High health shrimp seed production** (commercial production of specific pathogen seed) from brood stock collection to Post larval production. **More than 1000 fisherman and 20 agents were trained** to collect as per the scientific protocol in east coast of India.
Academic	
1	**Isolated two bioactive compounds** from *Cassia auriculata,* shows activity against colon cancer.
2	**Two probiotics were isolated** from curd and fermented rice, showing high inhibitory activity against ornamental fish pathogens.
3	Standardized the techniques for isolation of therapeutic potential **Sulfated polysaccharides** from seaweeds for application in Biomedical and Animal Health

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: **22**

	Position	**Programme**	**Duration**	**Institution**
1	Organizer & Coordinator	A Massive up skilling Programme –Faculty Development Programme for the faculty of Alagappa University Affiliated colleges	8th January to 12th ,22 to 25 & 30 and 31 January, 2024-	Alagappa University
2	Naan Mudhalvan operational cell Head Organizer	Sensitization and review meeting on Naan Mudhalvan course implementation to Principals and SPOCs of Arts and Science colleges Alagappa University	31st January, 2023.	Convocation Seminar Hall, Alagappa University
3	Organizer &	A Massive up skilling	July 17th to 28,	Alagappa University

	Coordinator	Programme –Faculty Development Programme for the faculty of Alagappa University Affiliated colleges	2023	
4	Naan Mudhalvan operational cell Head Organizer	Sensitization and review meeting on Naan Mudhalvan course implementation to Principals and SPOCs of Arts and Science colleges Alagappa University	28th March, 2023.	Conference Hall, Science campus, Alagappa University
5	Delivered a Key-note address	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	8th March 2023,	Zoology Seminar Hall, Sree Sevugan Annamalai College
6	Organizer & Coordinator	A Massive up skilling Programme –Faculty Development Programme for the faculty of Alagappa University Affiliated colleges	30th January to 11th February, 2023 -	Alagappa University
7	Organizing Secretary	2nd National Seminar on Next Generation Technology for Sustainable Fisheries	29th and 30th March 2022,	Department of Fisheries Science and Department of Animal Health and Management, Alagappa University
8	Organizing Secretary	Next generation for sustainable fisheries	21st November 2020	Department of Fisheries Science and Department of Animal Health and Management, Alagappa University, Karaikudi
9	Co-Chairperson for Technical Session	International Conference on Innovative and Emerging Trends in Botany (ICIETB-2019)	6th and 7th November 2019	Department of Botany, Alagappa University.

10	Co-Chairperson for oral presentation	3rd International Conference on Recent Trends in Microbiology (RTM-2019)	24th and 25th January, 2019	Department of Microbiology, Alagappa University
11	Inaugural address/ Chairperson	Opening of Aquaculture unit (Animal House) and training programme on business opportunities in aquaculture and vermiculture technology	2nd to 8th March, 2018	Alagappa University
12	Member	Business resource of solid waste management through vermicomposting	14th and 15th March 2017	Department of Animal Health and Management, Alagappa University, Karaikudi
13	Member	International Workshop on "Molecular Physiology, Therapeutics and Experimental Medicine"	6th and 7th September 2016	Department of Animal Health and Management, Alagappa University
14	Organizing Secretary	Training programme on "Live feed culture production (Artemia, Phytoplankton & Zooplanktons, Spirulina), and Sea weed culture and its allied industries	26th February 2016	Department of Animal Health and Management, Alagappa University
15	Organizing Secretary	Training programme on "Shrimp and fin fish production skills for aquaculture business"	15th December 2015	Department of Animal Health and Management, Alagappa University
16	Organizing Secretary	Training programme on "Small Scale business setup in ornamental fish farming, apiculture, mushroom and silk production"	20th January 2016	Department of Animal Health and Management, Alagappa University
17	Organizing Secretary	Training programme on "Shrimp and fin fish production skills for aquaculture business"	15th December 2015	Department of Animal Health and Management, Alagappa University
18	Organizing Secretary	Training programme on "Motivation for business development skills in live stock rearing and its by product	7th December 2015	Department of Animal Health and Management, Alagappa University

		production"		
19	Member	International Seminar On "Recent Trends In Aquatic Animal Biotechnology" (RTAAB- 2013)	21st – 22nd October 2013	Department of Animal Health and Management, Alagappa University
20	Organizing Secretary	Health Camp	09.04.2013	Department of Animal Health and Management, Alagappa University
21	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
22	Member	Tamizha Ariviyal paeravai "Tamizhkathin Sakthi Valam" 2009	12th September 2009	Alagappa University, Karaikudi-630 003

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 / AdministrativeCommittee / 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
2018	Doctoral Committee- Department of Animal Health and Management	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
2020	Doctoral Committee- Department of Animal Health and Management	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 , Affliated Colleges, Alagappa University	Member
2022	Board of Studies- Designing curriculum – M.Sc Biotechnology , Affliated Colleges, Alagappa University	Member
2023	Board of Studies- Designing curriculum – B,Sc and M.Sc Zoology , Affliated Colleges, Alagappa University	Member

Academic Bodies in Other Institutes/ Universities

Year / Period	Name of the BoS / AdministrativeCommittee / Academic Committee	Role
2022	Board of Studies- Designing curriculum – B,Sc and M.Sc Zoology Thiagararaj College, Madurai	Member
2020	Doctoral Committee- Bharathiar University	Subject Expert
2019	Doctoral Committee – Bharathidasan University	Subject Expert

1	No. of PhD Thesis evaluated (other Universities)	3
2	No. of PhD Public Viva Voce Examination conducted (Other Universities)	2

List of Research Articles / Publications-84

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 **Prabhu, N.M.,** 2024. Co-infection of mud crab Reovirus (MCRV) and Staphylococcus saprophyticus in giant mud crab, Scylla serrata (Forsskal, 1775). Aquaculture	4.5
2.	Kiruthiga, Chandramohan, Devasahayam Jaya Balan, Nagaiah Hari Prasath, Muthushanmugam Manikandakrishnan, Sakthivel Jafni, **Narayanasamy Marimuthu Prabhu**, Shunmugiah Karutha Pandian, and Kasi Pandima Devi (2024). "Synergistic induction of apoptosis in lung cancer cells through co-delivery of PLGA phytol/α-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 & **Narayanasamy Marimuthu Prabhu**. (2023). An effective bio-inspired synthesis of platinum nanoparticles using *Caulerpa sertularioides* 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, **Narayanasamy Marimuthu Prabhu***(2022). Sulfated polysaccharides from *Caulerpa sertularioides*: 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. & **Prabhu, N.M***. (2022). Fabrication of silver nanoparticles from marine macro algae *Caulerpa sertularioides*: Characterization, antioxidant and antimicrobial activity. Process Biochemistry.	4.4
6.	Sathiyaraj Ganesan, Babu Baskaran Mithun Raj, Saravanan Marimuthu,Velmurugan Krishnasamy,Ruban Lamech,Anup Mandal, Kandan Shanmuganathan, Prabhu **Narayanasamy Marimuthu***. 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, **Prabhu Narayanasamy Marimuthu**. 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, **Narayanasamy Marimuthu Prabhu**. 2022. Nanofibers from hydroxypropyl β-cyclodextrin/pantothenic acid supramolecular complexes: Physicochemical characterization and potential biomedical applications. Journal of Industrial	3.2

	Textiles.	
9.	Annapoorani, A., Koodalingam, A., Beulaja, M., Saiprasad, G., Chitra, P., Stephen, A., Palanisamy, S., **Prabhu, N.M**., You, S., Janarthanan, S. and Manikandan, R., (2022). Eco-friendly synthesis of zinc oxide nanoparticles using *Rivina humilis* leaf extract and their biomedical applications. Process Biochemistry.	4.4
10.	Natchanok Talapphet, Subramanian Palanisamy, ChangSheng Li, Nan Ma, **Narayanasamy Marimuthu Prabhu**, SangGuan You. 2021. Polysaccharide extracted from *Taraxacum platycarpum* root exerts immunomodulatory activity via MAPK and NF-κB pathways in RAW264.7 cells. Journal of Ethnopharmacology.	5.4
11.	Ganesan, S., Baskaran, B., Raj, M., Mandal, A., Shanmugam, K., Subramanian, P. & **Prabhu. N.M***. (2021). Vibriosis Incidents in Marine Finfish Farms: Prevalence, Diagnosis of Pathogens using 16S rRNA, Histopathology, and In Vitro Antibacterial Evaluation against Isolated Vibrio 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, **Narayanasamy Marimuthu Prabhu**. 2021. Bio-directed synthesis of Pt-nanoparticles from aqueous extract of red algae *Halymenia dilatata* 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, **Narayanasamy Marimuthu Prabhu**. 2021. Surveillance of disease incidence in shrimp farms located in the east coastal region of India and in vitro antibacterial efficacy of probiotics against *Vibrio parahaemolyticus*. Journal of Invertebrate Pathology.	3.4
14.	Kannan Karuppiah, Sivaranjani Sekar, Kumar Rajendran, Karuppasamy Karuthapandian, **Prabhu Narayanasamy Marimuthu**, 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, **Narayanasamy Marimuthu Prabhu**, Ayyakannu Arumugam Napoleon, SangGuan You, Yong Rok Lee, Ultrasonic-assisted efficient synthesis of inclusion complexes of salsalate drug and β-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, **Narayanasamy Marimuthu Prabhu**. 2020. Synthesis of *Tragia involucrata* 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, **Narayananasamy Marimuthu Prabhu**, Gopal Selvakumar. 2020. *In vitro* and	3.8

	in vivo efficacy of methyl oleate and palmitic acid against ESBL producing MDR *Escherichia coli* and *Klebsiella pneumonia*. Microbial Pathogenesis.	
18.	Manikandan, R., Parimalanandhini, D., Mahalakshmi, K., Beulaja, M., Arumugam, M., Janarthanan, S., & **Prabhu, N. M.** (2020). Studies on isolation, characterization of fucoidan from brown algae *Turbinaria decurrens* and evaluation of it's *in vivo* and *in vitro* anti-inflammatory activities. International Journal of Biological Macromolecules.	8.2
19.	Pandi Boomi, Ramalingam Ganesan, Gurumallesh Prabu Poorani, Sonamuthu Jegatheeswaran, Chandrasekaran Balakumar, Halliah Gurumallesh Prabu, Krishnan Anand, **Narayanasamy Marimuthu Prabhu**, Jeyaraman Jeyakanthan, Muthupandian Saravanan. 2020. Phyto-Engineered Gold Nanoparticles (AuNPs) with Potential Antibacterial, Antioxidant, and Wound Healing Activities Under in vitro and in vivo Conditions. International journal of nanomedicine.	8
20.	Vinosha, M., Palanisamy, S., Anjali, R., Li, C., Yelithao, K., Marudhupandi, T., & **Prabhu, N. M**. (2020). Sulfated galactan from *Halymenia dilatata* enhance the antioxidant properties and prevents *Aeromonas hydrophila* infection in tilapia fish: *In vitro* and *in vivo* study. International Journal of Biological Macromolecules	8.2
21.	Tabarsa, M., Dabaghian, E. H., You, S., Yelithao, K., Palanisamy, S., **Prabhu, N. M.,** & Li, C. (2020). Inducing inflammatory response in RAW264. 7 and NK-92 cells by an arabinogalactan isolated from *Ferula gummosa* via NF-κB 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 & **Narayanasamy Marimuthu Prabhu.** (2020). Bioengineered gold nanoparticles from marine seaweed *Acanthophora spicifera* for pharmaceutical uses: antioxidant, antibacterial, and anticancer activities. Bioprocess and Biosystems Engineering	3.4
23.	P Rajasekar, S Selvakumar, T Marudhupandi, B Babu, G Sathiyaraj & **N M Prabhu**. (2020). Synergetic effect of probiotic, molasses and immunostimulant supplementation on the production of white leg shrimp *Litopenaeus vannamei* Boone, 1931. Indian Journal of Geo Marine Sciences	0.5
24.	P Rajasekar, S Palanisamy, M Vinosha, A Muthamil Selvi, R Anjali, K Kannan, E Kannapiran & **N M Prabhu**. (2020). Effect of turmeric and *Spatoglossum asperum* on shelf life extension of marine finfish *Sillago sihama* in chilled storage condition. Indian Journal of Geo Marine Sciences	0.5
25.	Tabarsa, M., You, S., Yelithao, K., Palanisamy, S., **Prabhu, N. M.,** & Nan, M. (2020). Isolation, structural elucidation and immuno-stimulatory properties of polysaccharides from *Cuminum cyminum*. Carbohydrate Polymers	11.2
26.	Rajasekar, P., Palanisamy, S., Anjali, R., Vinosha, M., Elakkiya, M., Marudhupandi, T., & **Prabhu, N. M.** (2019). Isolation and structural characterization of sulfated polysaccharide from *Spirulina platensis* and its bioactive potential: *In vitro* antioxidant, antibacterial activity and Zebrafish growth and reproductive performance. International journal of biological macromolecules	8.2
27.	Manikandakrishnan, M., Palanisamy, S., Vinosha, M., Kalanjiaraja, B., Mohandoss, S., Manikandan, R., & **Prabhu, N. M.** (2019). Facile green route	5

	synthesis of gold nanoparticles using *Caulerpa racemosa* for biomedical applications. Journal of Drug Delivery Science and Technology	
28.	Subramanian Palanisamy., Ravichandran Anjali., Manoharan Vinosha., Muthukaruppan Reka., Somasundaram Selvakumar., Pandi Boomi., Krishnan Anand., **Prabhu Narayanasamy Marimuthu.,** Selliah Swamy Nathan Somasundaram & You SangGuan. (2019). Synthesis of *Oldenlandia umbellata* stabilized silver nanoparticles and their antioxidant effect, antibacterial activity, and bio-compatibility using human lung fibroblast cell line WI-38. Process Biochemistry	4.4
29.	Vinosha, M., Palanisamy, S., Muthukrishnan, R., Selvam, S., Kannapiran, E., You, S., & **Prabhu, N. M.** (2019). Biogenic synthesis of gold nanoparticles from *Halymenia dilatata* for pharmaceutical applications: Antioxidant, anti-cancer and antibacterial activities. Process Biochemistry, 85: 219-229.	4.4
30.	Prabhu R, Mohamed Asik R, Anjali R, Archunan G, **Prabhu N.M**, Pugazhendhi A, SuganthyN. (2019). Ecofriendly one pot fabrication of methyl gallate@ZIF-L nanoscale hybrid as pH responsive drug delivery system for lung cancer therapy. Process Biochemistry.	4.4
31.	Rajasekar, P., Palanisamy, S., Anjali, R., Vinosha, M., Thillaieswari, M., Malaikozhundan, B., & **Prabhu, N. M**. (2019). *Cladophora fascicularis* mediated silver nanoparticles: assessment of their antibacterial activity against *Aeromonas hydrophila*. Journal of Cluster Science	3.8
32.	Utoomporn Surayot, Khamphone Yelithao, Mehdi Tabarsa, Dae-Hee Lee, Subramanian Palanisamy, **Narayanasamy Marimuthu Prabhu**, JuHun Lee, Sang Guan You. (2019). Structural characterization of a polysaccharide from *Certariais landica* and assessment of immunostimulatory activity. Process Biochemistry	4.4
33.	Yelithao K, Surayot U, Lee C, Palanisamy S, Prabhu NM, Lee J, You S . (2019). Studies on structural properties and immune-enhancing activities of glycomannans from *Schizophyllum commune*. Carbohydrate Polymers.	11.2
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Resource persons in various capacities

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

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