



Dr. N. M. PRABHU
Assistant Professor

Contact

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Academic Qualifications: M.Sc., Ph.D.

Sl No.	Institution Place	Degree Awarded	Year	Field of Study
1	Thiagarajar college , MKU Madurai	B.Sc.,	1988-1991	Zoology
2	CAS in Marine Biology, Annamalai University, Parangipettai, Tamilnadu	M.Sc.,	1991-1993	Coastal Aquaculture
3	CAS in Marine Biology, Annamalai University, Parangipettai, Tamilnadu	Ph.D Marine Biology	1994-1999	Aquaculture (title of the thesis is Brood stock development in <i>Peanaeus monodon</i> fabricius from farm grown shrimps)

Teaching Experience: 9+Years

Research Experience: 14Years

Additional Responsibilities

- Member- M.Sc admission Animal Health and Management and Zoology , Alagappa University 2008 to till date
- Member- M.Phil admission Animal Health and Management and Zoology , Alagappa University -2008 to till date
- Member - Ph.D Department Research committee-2008 to till date
- Member – Seminar/Symposia-2016 to till date
- Co-ordinator-Syllabus committee-2016 to till date
- Member-Tour Programme-2016 to till date
- Member-IQAC, Annual Report and Academic Audit-2016 to till date
- Co-ordinator-Stock Maintenance-2016 to till date
- Faculty In charge- Continuous Internal Assessment for M.Phil Zoology Regular Programme-2016
- Faculty In charge- M.Sc Zoology IInd Year Dissertation Works-2016
- Member-Ad-hoc-2016 to till date
- Member-IInd M.Sc Zoology Practical-In-Charge -2016 -17
- Co-ordinator- culture event- Alagappa University -March 2017
- Coordinator-Remedial coaching –Department of Animal Health and Management -March 31 to April 01 2017

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.
- ✓ Control and prevention of bacterial pathogens using plant compounds, probiotics and nanoparticles.
- ✓ mtDNA studies in type II diabetic neuropathy complications

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	4	6
	M.Phil.	10	1
Project	PG	30	2
	UG / Others	Nil	Nil

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
32	14	7	18	Nil

Cumulative Impact Factor (as per JCR) :	43.23
h-index :	09
i10 index :	07
Total Citations :	286

Funded Research Projects

Completed Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	Alagappa University	2010	2011	Zoonotic Disease survey in live stock and poultry animals in Sivagangai and Ramanathapuram district	0.64
2	UGC-PI	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>	10.7

3.	UGC-Co I	2009	2012	Molecular characterization of Indigenous and exotic probiotic strains and its effective treatment on Bacterial diseases in aquaculture control strategy.	9.5
4.	DBT-Co-I	2012	2014	Genome characterization and mRNA transcript analysis of novel immune related α 2 macroglobulin and serine proteinase from <i>Fenneropenaeus indicus</i>	22.8
5.	CSIR-Co-I	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> .	22.0

Ongoing Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	DBT-Co-I	2015	2018	Purification, characterization, functional analysis and structural elucidation of pattern recognition molecule β -1, 3-glucan binding protein and antimicrobial peptides from crustaceans	57.9

Consultancy Projects: Nil

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

Others

Note: Budget must be rounded to two decimal places

Patents

Nil

Distinctive Achievements / Awards

1. 2006 to 2008, Approved Sea food technologist
2. 2007 to 2008, US FDA, EU and BRC approval for the Handy Water base India Pvt.

3. 2003 to 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).
4. 2000 to 2003 standardized the **Soft Shell Mud Crab** production for commercialization and exported to Handy International, USA.
5. 1999 to 2000, **Found a new method for culturing the Soft Shell Mud crab first people in India** – The Water base India Ltd
6. 1995 to 1997, Project fellow – Shrimp spawner development for Hatchery purposes approved by Tamilnadu state council for science and technology.
7. 1994, Project fellow - M/S Sriram Marine Harvest Ltd, Poompuhar (400 ha includes ,Hatchery ,Farm)

Industry

1. Found new method of technology for **Soft Shell Crab production** due to this 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 probiotic were isolated** from curd and fermented rice, shows high inhibitory activity against ornamental fish pathogens.

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: 11

1. Business resource of solid waste management through vermicomposting organized by Department of Animal Health and Management ,Alagappa University,Karaikudi- March 14th and 15th 2017 -**Member**
2. International Workshop on “Molecular Physiology, Therapeutics and Experimental Medicine” organized by Department of Animal Health and Management, Alagappa University, Karaikudi- September 6th and 7th 2016–**Member**.
3. Training programme on “Live feed culture production (Artemia, Phytoplankton & Zooplanktons, Spirulina), and Sea weed culture and its allied industries” held on 26th February 2016- **Organizing secretary**

4. Training programme on “Small Scale business setup in ornamental fish farming, apiculture, mushroom and silk production” held on 20th January 2016- **Organizing secretary**
5. Training programme on “Shrimp and fin fish production skills for aquaculture business” held on 15th December 2015- **Organizing secretary**
6. Training programme on “Motivation for business development skills in live stock rearing and its by product production” held on 7th December 2015- **Organizing secretary**
7. International Seminar On “Recent Trends In Aquatic Animal Biotechnology” (RTAAB- 2013) organized by Depart of Animal Health and Management, Alagappa University, Karaikudi- October 21st -22nd 2013 --**Member**
8. National Seminar on Application of Genomics and Bioinformatics in Animal Health and Management organized by Department of Animal Health and Management, Alagappa University -March 25th and 26th -**Member**
9. Tamizha Ariviyal paeravai “Tamizhkathin Sakthi Valam” 2009- held on 12th September 2009, Alagappa University, Karaikudi-630 003 -**Member**
10. International seminar on “Applications of Confocal Microscopy Techniques in Animal Health Management” (ACAH’2010) held on 29-30 March 2010, School of Animal Health and Management, Alagappa University, Karaikudi-630 003- **Member**
11. Health camp , held on 09.4.2013, Department of Animal Health and Management, Science Block , Alagappa University , Karaikudi -**organizing secretary**

Events Participated (optional)

Conferences / Seminars / Workshops: 11

1. National Seminar on Nanomaterials for Specialized Applications – (NMSA -2017) & World Standards Day (WSD) organized by Department of Nanoscience and Technology, Alagappa University, Karaikudi. February, 9th -10th , 2017
2. Faculty Development (Enrichment) Program-Accreditation quality enhancement, organized by Internal quality assurance cell, Alagappa University, Karaikudi. January, 6th -12th 2017

3. International conference on Recent Trends in Biosciences (ICRTB-2016), organized by Department of Microbiology, Alagappa University, Karaikudi. April 7th -9 2016
4. International conference on Recent Trends in Bioscience (ICRTB-2016), organized by Department of Biotechnology , Bioinformatics , Animal Health and Management and Oceanography & coastal area studies , Alagappa University, Karaikudi. April 7th -9 2016
5. International conference on Innovation in Molecular therapy organized by Department of Biotechnology ,Anna University ,Chennai –held between 28 -31 January 2013.
6. Workshop on shrimp pathology organized by Rajiv Gandhi Centre for Aquaculture and University of Arizona –held between 7 th Jan to 12th January 2013.
7. National workshop on "Marine Fish Immunology and Immunotechnology" organized by the Department of Biotechnology, Annamalai University, Parangipattai - held between 1to 9 December 2011.
8. National Workshops on Application of Molecular Modeling and structural Bioinformatics Organized by Department of Bioinformatics, Alagappa University- 27th -29th Jan 2010.
9. National Seminar on Recent trends in Molecular Modeling and Drug Design – (NaSNoiD -09) organized by Department of Bioinformatics Alagappa University, Karaikudi. March 18-19, 2009
10. National seminar on Current trends and future prospects of Nanomarine sciences Organised by School of Marine Science, Department of Oceanography and costal area studies, Alagappa University, Thondi campus –March 23rd and 24th 2009.
11. An International colloquium on Emerging Biotechnologies in Agriculture, Animal Health and Productivity (ICEB'09). Organised by School of bioscience Alagappa University ,School of biological Science The Queens University of Belfast UK, Agri-food and Science Institute, Belfast, UK –Feb 22rd -26th 2009.

Other Training Programs

Orientation program

Attended the orientation program conducted by UGC Academic Staff College, Bharathiar University, on June 9th to July 6th -2011

Refresher Program

Attended the Refresher course in Life Science (Multidisciplinary) conducted by UGC Academic staff college, Bharathiar University September 11th to October 1th 2012.

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 form 28.1.2001 to 02.02.2001

Membership in

Professional Bodies

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

Editorial Board

Nil

Advisory Board

Nil

Academic Bodies (such as Board of Studies etc,)

1. **Member**, Selection Committee JRFs –UGC, Department of Animal Health and management, Alagappa University, Karaikudi-630 003
2. **Member**, Selection Committee Ph.D -Department of Zoology and Animal Health and management, Alagappa University, Karaikudi
3. **Member**, Doctoral committee Ph.D-Department of Animal Health and Management, Alagappa University, Karaikudi.
4. **Member**, Interview Panel Board -UGC Projects JRF, Department of Animal Health and Management, Alagappa University, Karaikudi-630 003.

5. **Question paper setter:** Ph.D methodology examination question paper setting , C.A.S in Marine Biology , Annamalai University, Chidambaram.
6. **External Examiner:** M.Phil, Department of Zoology, Bharathiar University Coimbatore.
7. **External Examiner:** Ph.D, Marine science, Manonmaniam Sundaranar University, Tirunelveli.
8. **Member,** Board of studies in Zoology : Alagappa University , Karaikudi
9. **Member,** Board of studies in Animal Health and Management – Alagappa University, Karaikudi

Resource persons in various capacities

Number of Invited / Special Lectures delivered: 3

Others

1. Articles published in Newspapers / Magazines : Nil
2. Products developed : Nil
3. No. of PhD Thesis evaluated : 2
4. No. of PhD Public Viva Voce Examination conducted : 1
5. Sequences submitted in GenBank: 20

Recent Publications

International publication

1. Balan Banumathi, Baskaralingam Vaseeharan, Rajasekar Periyannan, **Narayanan marimuthu Prabhu**, Palaniappan Ramasamy, Kadarkarai Murugan, Angelo Canale, Giovanni Benelli (2017). Exploitation of chemical, herbal and nanoformulated acaricides to control the cattle tick, *Rhipicephalus (Boophilus) microplus* – A review. Veterinary Parasitology (Accepted manuscript) **(Impact factor 2.3)**.
2. S. Palanisamy, M.Vinosha, T. Marudhupandi, P. Rajasekar, **N.M. Prabhu*** (2017). *In vitro* antioxidant and antibacterial activity of sulfated polysaccharides isolated from *Spatoglossum asperum*. Carbohydrate Polymers, 170:296-304. **(Impact factor 4.8)**.
3. S. Palanisamy, M. Vinosha, T. Marudhupandi, P. Rajasekar, **N.M. Prabhu*** (2017). Isolation of fucoidan from *Sargassum polycystum* brown algae: Structural

characterization, *in vitro* antioxidant and anticancer activity. International Journal of Biological Macromolecules, 102:405-412. (**Impact factor 3.6**).

4. R. Manikandan, M. Beulaja, R. Thiagarajan, S. Palanisamy, G. Goutham, A. Koodalingam, **N.M. Prabhu**, E. Kannapiran, M. Jothi Basu, C. Arulvasu, M. Arumugam. (2017), Biosynthesis of silver nanoparticles using aqueous extract of *Phyllanthus acidus* L. fruits and characterization of its anti-inflammatory effect against H₂O₂-exposed rat peritoneal macrophages. Process biochemistry (In press, corrected proof) (**Impact factor 2.5**).
5. S.Palanisamy, R. Anjali, P. Rajasekar, E. Kannapiran, B. Vaseeharan, **N. M. Prabhu***. (2017), Synthesis and distribution of bioinspired silver nanoparticles using spirulina extract for the control of *Vibrio parahaemolyticus* infection in aquaculture. Asian Journal of Chemistry 29 857-863.
6. Subramanian Palanisamy, Periyannan Rajasekar, Gandhi Vijayaprasath, Ganesan Ravi, Ramar Manikandan, **Narayanan Marimuthu Prabhu**, (2017), "A green route to synthesis silver nanoparticles using *Sargassum polycystum* and its antioxidant and cytotoxic effects: An *in vitro* analysis", Materials Letters, 189:196-200. (**Impact factor 2.4**).
7. Kannan Rama Devi, Ramanathan Srinivasan, Arunachalam Kannappan, Sivasubramanian Santhakumari, Murugan Bhuvaneswari, Periyannan Rajasekar, **Narayanan Marimuthu Prabhu** & Arumugam Veera Ravi, (2016), "*In vitro* and *in vivo* efficacy of rosmarinic acid on quorum sensing mediated biofilm formation and virulence factor production in *Aeromonas hydrophila*", Biofouling, 32:1171-1183. (**Impact factor 3.0**).
8. **N.M Prabhu**, P. Rajasekar, R.G. Nisha, A.A. Yasminebegam, E. Kannapiran, R. Manikandan, (2016), "Effect of turmeric on shrimp (*Penaeus semisulcatus*) shelf life extension in chilled storage conditions", Iranian journal of fisheries sciences, 15: 1(**Impact factor 0.3**).
9. M. Latha, M. Priyanka, P. Rajasekar, R. Manikandan, **N.M. Prabhu NM**, (2016), Biocompatibility and antibacterial activity of the *Adathoda vasica* Linn extract mediated silver nanoparticles, Microbial Pathogenesis, 93:88-94. (**Impact factor 1.88**).
10. Kasinathan Devi, Elango Santhini, Devaraj Ramanan, Ramachandran Ishwarya, **Narayanan Marimuthu Prabhu**, (2016), "Mitochondrial ND1 gene mutation

analysis in type II diabetes of Karaikudi population”, *Genes & Genomics*, 38 :37-43
(impact factor 0.5).

11. G. Vijayaprasath, R. Murugan, S. Palanisamy, **N.M. Prabhu**, T. Mahalingam, Y. Hayakawa, G. Ravi, (2016), “Role of Nickel Doping on Structural, Optical, Magnetic Properties and Antibacterial Activity of ZnO Nanoparticles”, *Materials Research Bulletin*, 76:48-61**(Impact factor 2.4)**.
12. G. Vijayaprasath, R. Murugan, S. Palanisamy, **N. M. Prabhu**, T. Mahalingam, Y. Hayakawa, G. Ravi. (2015), “Structural, optical and antibacterial activity studies of neodymium doped ZnO nanoparticles”, *Journal of Materials science: Materials in Electronics*, 76:48-61 **(Impact factor 1.7)**.
13. K. Devi, E. Santhini, R. Manikandan, **N.M. Prabhu** (2015), “The Prevalence, awareness and potential of complementary alternative medicine in type 2 diabetes living in Madurai, India”, *European Journal of Integrative Medicine*, 7: 469–473 **(Impact factor 0.76)**.
14. M. Latha, M. Sumathi, R. Manikandan, A. Arumugam, **N.M Prabhu**, (2015), “Biocatalytic and antibacterial visualization of green synthesized silver nanoparticles using *Hemidesmus indicus*”, *Microb Pathog*, 82:43-9 **(Impact factor.1.9)**.
15. Manikandan Ramar, Beulaja Manikandan, Thiagarajan Raman, Koodalingam Arunagirinathan, **Narayanan Marimuthu Prabhu**, Muthuramalingam Jothi Babu, Muthulakshmi Perumal, Subramanian Palanisamy, Arumugam Munusamy, (2014), “Biosynthesis of silver nanoparticles using ethanolic petals extract of *Rosa indica* and characterization of its antibacterial, anticancer and anti-inflammatory activities”, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 138:120-129, **(Impact factor.2.3)**.
16. Manikandan Ramar, Beulaja Manikandan, **Prabhu Narayanan Marimuthu**, Thiagarajan Raman, Anjugam Mahalingam, Palanisamy Subramanian, Saravanan Karthick, Arumugam Munusamy, (2014), “Synthesis of silver nanoparticles using *Solanum trilobatum* fruits extract and its antibacterial, cytotoxic activity against human breast cancer cell line MCF 7”, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 5:223-8 **(Impact factor.2.3)**.
17. R.G.Nisha, V.Rajathi, R.Manikandan and **N.M.Prabhu**, (2014), “Isolation of *Plesiomonas shigelloides* from Infected Cichlid Fishes using 16S rRNA

Characterization and its Control with Probiotic *Pseudomonas* sp”, *Acta Scientiae Veterinariae*, 42: 1195(**Impact factor.0.3**).

18. M. Esakkirajan, **N.M. Prabhu**, R. Manikandan, M. Beulaja, D. Prabhu, K.Govindaraju, R. Thiagarajan, C. Arulvasu, G. Dhanasekaran, D. Dinesh, G.Babu, (2014), “Apoptosis mediated anti-proliferative effect of compound isolated from *Cassia auriculata* leaves against human colon cancer cell lines”, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 127:484-489 (**Impact factor.2.3**).
19. M. Esakkirajan, **N.M. Prabhu**, C. Arulvasu , M. Beulaja , R. Manikandan, R. Thiagarajan , K. Govindaraju , D. Prabhu , D. Dinesh , G. Babu , G. Dhanasekaran, (2014), “Anti-proliferative effect of a compound isolated from *Cassia auriculata* against human colon cancer cell line HCT 15”, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 120:462-466 (**Impact factor.2.3**).
20. R. Manikandan M. Beulaja R. Thiagarajan M. Pandi C. Arulvasu **N.M. Prabhu** R. Saravanan M. Esakkirajan S. Palanisamy G. Dhanasekaran R.G Nisha K. Devi M.Latha, (2013), “Ameliorative effect of ferulic acid against renal injuries mediated by nuclear factor-kappaB during glycerol-induced nephrotoxicity in Wistar rats”, *Ren Fail*, 1-12 (**Impact factor .0.77**).
21. Sudha, K. Sumathi, N. S. Manikandaselvi, **N.M. Prabhu** and P. Srinivasan, (2013), “Anti-hepatotoxic Activity of Crude Flavanoid Fraction of *Lippia nodiflora* L. on Ethanol Induced Liver Injury in Rats”, *Asian Journal of Animal Sciences*, 1819-1878:1-13.
22. Kasinathan Devi, **Narayanan Marimuthu Prabhu** and Ramar Manikandan, (2013), “Type 2 diabetic neuropathy with special reference to mitochondrial role and its effective management”, *Research in Biotechnology*, 4: 38-48.
23. **N. M. Prabhu**, S.Tamilarasan, B.Vaseeharan, R. Manikandan and K. Devi, (2012), “Seaweed extracts is an alternative medicine to control vibrio spp. Isolated From commercially important fin fishes of Gulf of Mannar region”, *International Journal of Current Research*, 4: 139-144.
24. **Prabhu Narayanan Marimuthu**, Rajasekar Periyannan, Nisha Rajagopalan Girijakumari and Manikandan Ramar, (2012), “Isolation, characterization of *Vibrio* and *Pseudomonas* sp. from infected ornamental fresh water fishes and evaluation of potential agents for its control”, *Research in Biotechnology*, 3: 14-23.

25. Malaikannan Latha, **Narayanan Marimuthu Prabhu**, Ramar Manikandan, Baskaralingam Vaseeharan, (2012), "Antibacterial effect of green synthesized silver nanoparticles against vibrio sp. isolated from broiler chicken", J Adv Sci Res, 3: 51-54.
26. Rajagopalan Girijakumari Nisha, **Narayana Marimuthu Prabhu**, Ramar Manikandan, Baskaralingam Vaseeharan, (2012), "Gestaional diabetes mellitus: complication and its Management- A review", Journal of current research in ayurvedic and pharmaceutical sciences, 3:79-89.
27. Ramar Manikandan, Manikandan Beulaja, Raman Thiagarajan, Asokan Priyadarsini, Subramanian Palanisamy, Meiyalagan Velayudam, Munusamy Arumugam, **Narayanan Marimuthu Prabhu**, Baskaralingam Vaseeharan. 2012. "Protective effect of ferulic acid and resveratrol against alloxan-induced diabetes in mice, European Journal of Pharmacology", European Journal of Pharmacology, 690: 226-235. **(Impact factor 2.8)**
28. J. Sivakamavalli, B.Vaseeharan, S. Shanthi, **N.M. Prabhu**, R.Manikandan, C. Ravi, T. Prem Anand, (2012), "In silico analysis of lipopolysaccharide and β -1, 3-glucan binding protein (LGBP) gene from the haemocytes of Indian white shrimp *Fenneropenaeus indicus*", Research in Biotechnology, 3: 26-36.
29. B. Vaseeharan, S. P. Sonibarathi, **N. M. Prabhu**, R. Manikandan, M. Esakkirajan and P. Srinivasan, (2012), "Surveillance and antibacterial activity of commercial antibiotics against Vibrio spp. isolated from Cattle (*Bos indicus*) farms of Tamil Nadu, India", International Journal of Current Science, 4: 7-11.
30. P. Srinivasan, P. Rameshthangam, **N.M. Prabhu** and C. Arulvasu, (2012), "Variation in lipid classes and fatty acid content during ovarian maturation of *Albunea symmysta*", Journal of Advanced Scientific Research, 3: 60-64.
31. R. Manikandan, M. Beulaja, C. Arulvasu, S. Sellamuthu, D. Dinesh, D. Prabhu, G. Babu, B. Vaseeharan, **N.M. Prabhu**, (2011), "Synergistic anticancer activity of curcumin and catechin: An *in vitro* study using human cancer cell lines", Microscopy research technique, 75:112-116. **(Impact factor 1.1)**
32. Baskaralingam Vaseeharan, Sathappan Shanthi, and **Narayanan Marimuthu Prabhu**, (2011), "A novel clip domain serine proteinase (SPs) gene from the haemocytes of Indian white shrimp *Fenneropenaeus indicus*". Fish and Shellfish Immunology, 30:980-5. **(Impact factor 3.1)**

National Publication

1. Kasinathan Devi, Rajagopalan Girijakumari Nisha, **Narayanan Marimuthu Prabhu**, Ramar Manikandan, Muthusamy Karthikeyan, (2013), "Awareness on Type II Diabetes and Its Complication among Sivaganga District Population in Tamilnadu: A Cross Section Survey", Journal of Advanced Scientific Research, 4: 38-42.
2. **Prabhu NM**, B. Vaseeharan, R. Manikandan, K. Devi, (2012), "Diabetes Diagnostic Challenges and Holistic Type of Management -A Review", Inventi Rapid: Diabetes, 1.
3. M. Esakkirajan, **N. M. Prabhu**, R. Manikandan, B. Vaseeharan, (2011), "War Against Cancer – Complementary Alternative Medicine and Holistic Life Style Approaches as Combat Strategies – A Review", Inventi Rapid: Pharm Tech, 2: 195.
4. **N. M. Prabhu**, M. Esakkirajan, R. Manikandan, B. Vaseeharan, (2011), "Scope of complementary alternative medicine on the control of Swin flu- A review", Indian Journal of Natural Science, 1: 334-337.
5. B. Vaseeharan, P. Ramasamy, P. Srinivasan, R. Manikandan, C. Arulvasu, **N.M. Prabhu**, (2010), "Isolation and Characterization of Pharmaceutically Important Fungal Microflora from *Penaeus monodon* Culture System", Journal of Pharm Tech, 190-194.
6. **N. M. Prabhu**, A.R.Nazar, S.Rajagopal, S.Ajmal Khan, (1999), Use of probiotics on water quality management during shrimp culture. Aquaculture in the Tropics.
7. S.Rajagopal, **N. M. Prabhu**, S.Ajmal Khan, (1999), Shrimp Seed potential of velar estuary-Tamil Nadu.12 fisheries world.

International conference

1. R. Anjali, A. Parthasarathy, S. Palanisamy, M. Vinosha, P. Kumar, E. Kannapiran and **N.M. Prabhu**, (2016), "Biosynthesis of *Halimeda* spp mediated AgNPs for their antagonistic effect against *Vibrio harveyi*", International conference on Recent Trends in Microbiology (RTM-2016), organized by Department of Microbiology, Alagappa University, Karaikudi.
2. K. Madhuri, V. Ramasubramanian, D. Divya, M. Bodhaguru, E. Kannapiran, **N.M. Prabhu**, (2016), "Immunostimulant potential of vitamin-c in *cyprinus carpio* post challenged with *Aeromonas hydrophila*", International conference on Recent Trends

in Microbiology (RTM-2016), organized by Department of Microbiology, Alagappa University, Karaikudi.

3. Muthamil Selvi, S. Thangal, P. Rajasekar, P. Bothaguru, E. Kannapiran, **N.M. Prabhu**, (2016) "Synergistic effect of probiotic and spirulina on growth, colour enhancement and anti-infective potential of freshwater ornamental fish (Rosy barb) infected with *Aeromonas hydrophila*", International conference on Recent Trends in Microbiology (RTM-2016), organized by Department of Microbiology, Alagappa University, Karaikudi.
4. S. Palanisamy, P. Kasthuri, P. Rajasekar, P. Kumar, E. Kannapiran and **N.M. Prabhu**, (2016), "Biosynthesis of silver nanoparticles using aqueous seed extract of *Abelmoschus esculentus* and its antibacterial activity", International conference on Recent Trends in Microbiology (RTM-2016), organized by Department of Microbiology, Alagappa University, Karaikudi.
5. S. Palanisamy, P. Rajasekar, R. Manikandan, E. Kannapiran, N.M. Prabhu, (2016), Antagonistic activity of the ethanolic extracts of brown seaweed *Sargassum tenerrimum* against Aquaculture pathogen *Vibrio harveyi*", International conference on Recent Trends in Bioscience (ICRTB-2016), organized by Department of Biotechnology, Bioinformatics, Animal Health and Management and Oceanography & coastal area studies , Alagappa University, Karaikudi.
6. R.Anjali, A.Muthamil Selvi, R.G. Nisha, E. Kannapiran, N.M.Prabhu, (2016), "Effect of probiotic bacteria on growth, color enhancement and anti-infective potential of ornamental fish *Puntigrus tetrazona*", International conference on Recent Trends in Bioscience (ICRTB-2016), organized by Department of Biotechnology, Bioinformatics , Animal Health and Management and Oceanography & coastal area studies , Alagappa University, Karaikudi.
7. K. Devi, E. Santhini, M. Karthikeyan, **N.M. Prabhu**, (2015), "Mitochondrial DNA 4915 G>A mutation in the ND2 gene associated with peripheral neuropathy in Type 2 diabetes, 5th Annual conference of society for mitochondrial research and medicine on Mitochondria in Cancer and Neurodegenerative Disorders", organized by Aravind Medical Research Foundation, Madurai, India.
8. K.Devi, **N.M.Prabhu**, E.Shanthini, (2014) "Regular exercise strategy to improve oxidative stress in type II diabetes with peripheral neuropathy of Karaikudi population. 4th Annual conference of society for mitochondrial research and

medicine, mitochondrial biology: from molecules to disease”, organized by Manipal University, Manipal, India.

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