



Dr. B. Vaseeharan
Professor and Head

Contact

Address : Department of Animal Health and Management
Alagappa University, 6th Floor, Science Campus, Burma Colony,
Karaikudi – 630 003
Tamil Nadu, INDIA

Employee Number : 36201

Date of Birth : 05.06.1970

Contact Phone (Office) : +91 4565 225682

Contact Phone (Mobile) : +91 9894720893

Contact e-mail(s) : vaseeharanb@gmail.com, vaseeharanb@alagappauniversity.ac.in

Skype id :

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

INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
University of Madras, Chennai, India	Ph.D	2002	Zoology
Scott Christian College, Manonmaniam Sundaranar University, Tirunelveli, India.	M. Phil	1993-1994	Zoology
Scott Christian College, Manonmaniam Sundaranar University, Tirunelveli, India	M.Sc	1990-1992	Zoology

Madurai Kamaraj University, Madurai, India.	B. Ed	1992-1993	Biology and Education
Sivandhi Adhithanar College, Madurai Kamaraj University, Madurai, India.	B. Sc	1987-1990	Zoology

Teaching Experience: 12 Years

Research Experience: 16 Years

Additional Responsibilities

1. 2013 to till date, Professor and Head, Department of Animal Health and Management, Alagappa University, Karaikudi
2. 2017 to till date, Director, Collaborative Programme, Alagappa University, Karaikudi
3. 2017- till date, Co-ordinator, Waste treatment technology for sustainable and eco-friendly environment, Alagappa University, Karaikudi.
4. 2016 to till date, Academic staff, Anti Ragging Committee, Alagappa University, Karaikudi
5. 2015 to till date, Co-ordinator, University Business Collaboration Centre, Alagappa University, Karaikudi
6. 2013 to till date, Member of Senate, Alagappa University, Karaikudi

Areas of Research

Biomaterials and biotechnology in animal health, Crustaceans Molecular Biology and Genomics, Nano biosciences and Nanopharmacology.

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	6	10
	M.Phil.	7	3

Project	PG	40	2
	UG / Others	-	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
114	38	7	45	4

Cumulative Impact Factor (as per JCR) : 199

H-index : 23

i10 index : 40

Total Citations : 1991

Funded Research Projects

Completed Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	Council of Scientific & Industrial Research (CSIR) New Delhi	2012	2015	cDNA cloning mRNA transcript and functional analysis of novel immune related genes prophenoloxidase and peroxinectin from Indian white shrimp <i>Fenneropenaeus indicus</i> .	22.00
2	University Grant Commission (UGC) - Major research	2012	2014	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>	8.78

	project				
3	Indo-Ireland	2011	2013	Silencing key virulence proteins in the liver fluke, <i>Fasciola gigantica</i> : development of a novel control strategy.	6.40
4	DST, India and National Science Council, Taiwan	2010	2012	Antimicrobial activity of silver nanoparticles (Ag-Nps) against pathogenic <i>Vibrio</i> spp. isolated from aquaculture environments”	9.00
5	Indo –Queen University of Belfast, UK Project	2010	2012	Silencing key virulence proteins in the liver fluke, <i>Fasciola hepatica</i> : development of a novel control strategy	6.00
6	Indo – Queen University of Belfast, UK	2010	2012	Ultrastructural histochemical and epidemiological studies on amphistomes in India and Northern Ireland, United Kingdom.	6.00
7	Department of Biotechnology (DBT), New Delhi	2009	2012	Genome characterization and mRNA transcript analysis of novel immune related genes α 2 macroglobulin and serine proteinase from <i>Fenneropenaeus indicus</i> .	22.85
8	Department of Science & Technology (DST) Fast track fellowship	2009	2012	Molecular cloning and characterization of novel gene lipopolysaccharide- and β -1, 3-glucan binding protein (LGBP) from <i>Fenneropenaeus indicus</i> and its mRNA transcript analysis	15.75
9	University Grant Commission (UGC) - Major research project	2009	2012	Molecular characterization of Indigenous and exotic probiotic strains and its effective treatment on Bacterial diseases in aquaculture	9.5

10	University Grant Commission (UGC) - Major research project	2009	2012	Intensive survey and inventorisation of sea grasses biodiversity in Palk bay Bay of Bengal	4.36
11	Dr. Kothari Fellowship from UGC, New Delhi.	2009	2012	Exploration of new Antioxidative molecules from <i>Artemia parthenogenetica</i> against cellular oxidative damage.	12.00

Ongoing Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	Department of Biotechnology (DBT), New Delhi	2015	2018	Purification, characterization, functional analysis and structural elucidation of pattern recognition molecule β -1, 3-glucan binding protein and antimicrobial peptides from crustaceans	58.00

Consultancy Projects

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

Others: Nil

Patents

1. Nil
- 2.

Distinctive Achievements / Awards

1. 2009, Young Scientist Award-SERC-FAST TRACK, Department of Science and Technology, New Delhi, India.
2. 2003-07, Postdoctoral fellow award by National Science Council- Taiwan.
3. 2001-03, Post doctoral award by National Agriculture Technology Project (NATP), Indian Council of Agricultural Research (ICAR), New Delhi, India.
4. 1994, University 2nd rank in M. Phil. Degree in Zoology.

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: **12**

1. **Organizing Chairman**, International Workshop on “Molecular Physiology, Therapeutics and Experimental Medicine” - 2016 held on 6th and 7th September, Department of Animal Health and Management, Alagappa University, Karaikudi-630003
2. **Co-Convener**, International Conference on “Recent Trends in Biosciences” RTB – 2016 held on 7th April to 9th April, Alagappa University, Karaikudi-630 003
3. **Coordinator**, Training programme on “Recent trends in software industry. Role of income tax and sale tax in business held on 3rd March 2016
4. **Coordinator**, Training programme on “Live feed culture production (Artemia, Phytoplankton & Zooplanktons, Spirulina), and Sea weed culture and its allied industries” held on 26th February 2016.
5. **Coordinator**, Training programme on “Small Scale business setup in ornamental fish farming, apiculture, mushroom and silk production” held on 20th January 2016.
6. **Coordinator**, Training programme on “Shrimp and fin fish production skills for aquaculture business” held on 15th December 2015
7. **Coordinator**, Training programme on “Motivation for business development skills in live stock rearing and its by product production” held on 7th December 2015.
8. **Organizing Secretary**, International Seminar On “Recent Trends in Aquatic Animal Biotechnology” (RTAAB- 2013) held on 21-22 October 2013, Depart of Animal Health and Management, Alagappa University, Karaikudi-630 003.

9. **Organizing Secretary**, International seminar on “Applications of Confocal Microscopy Techniques in Animal Health Management” (ACAH’2010) held on 29-30 March 2010, Department of Animal Health and Management, Alagappa University, Karaikudi-630 003
10. **Co-Ordinator**, Tamizha Ariviyal Paeravai “Tamizhkathin Sakthi Valam” 2009 - Department of Animal Health and Management held on 11th to 13th September 2009, Alagappa University, Karaikudi-630 003.
11. **Organizing Secretary**, National seminar on “Application of genomics and bioinformatics in Animal health and Management” NSGB 09- held on 25th and 26th March 2009, School of Animal Health and Management, Alagappa University, Karaikudi-630 003.
12. **Organizing Secretary**, International colloquium on “Emerging biotechnologies in Agriculture, Animal Health and Productivity” ICEB 2009- held on 23rd to 27th Feb 2009, Alagappa University, Karaikudi-630 003.

Events Participated

Conferences / Seminars / Workshops: 11

1. 2017- Dhatchayani Surendran, **Vaseeharan B.** Vijayakumar Sekar, Sankaranarayanan Krishnasamy. “Textile Dye Removal and Antibacterial activity of Hydroxyapatite/Graphene oxide composite” in the “International Conference on Nanoscience and Nanotechnology” held on 9th to 11th August 2017, SRM University, Kattankulathur, India.
2. 2017- **Vaseeharan B.** “Protective effects of the probiotic *Bacillus licheniformis* Dahb1 on the growth, immune and antioxidant responses in *Pangasiushypophthalmus* infected with GFP tagged *Vibrio parahaemolyticus* Dahv2” in the International conference on “Aquatic animal health and parasitic diseases” held on 6th& 7st March 2017, Annamalai University, Chidambaram-608 001
3. 2016- **Vaseeharan B.** Anjugam Mahalingam, Iswarya Arokiadhas. β -glucan binding protein purified from the haemolymph of Indian white shrimp, *Fenneropenaeus indicus* and evaluation of its functional & antimicrobial activity. International Conference on

11th Asian Fisheries & Aquaculture Forum organized by Department of Fisheries of the Royal Thai Government, Asian Fisheries Society, Bangkok, Thailand on 3rd August -7th August 2016.

4. 2016- Anjugam Mahalingam, Iswarya Arokiadhas, **Vaseeharan B.** Immunological role of β -glucan binding protein (β -GBP) purified from the haemocytes of mud crab, *Scylla serrata* and its antibiofilm property. International Conference on 11th Asian Fisheries and Aquaculture Forum organized by Department of Fisheries of the Royal Thai Government, Asian Fisheries Society, Bangkok, Thailand on 3rd August -7th August 2016
5. 2015- S. Vijay Kumar, **Vaseeharan B.** "Synthesis, characterization, anti biofilm and ecotoxicological evaluation of biopolymer based silver nanoparticles" in the World Congress on Microscopy Instrumentation, Techniques and Applications in Life Sciences and Materials Sciences Organized By International Unit on Macromolecular Science and Engineering, Mahatma Gandhi University, Kottayam, Kerala on 9th – 11th October 2015.
6. 2014-**Vaseeharan B.** Discovery of immune related genes for the possible control of crustacean diseases in international conference organized by CAS in marine biology, Faculty of Marine Science, Annamalai University, Parangipettai on Mar 10th – 11th 2014.
7. 2012-Shanthi S and **Vaseeharan B.** Cloning, Sequencing analysis and tissue expression of antimicrobial peptides (Penaeidin & Penaeidin-3) in Indian white shrimp *Fenneropenaeus indicus* in National Conference on Aquatic Animal Health and Management organized by CAS in Marine Biology, Faculty of Marine Science, Annamalai University, Parangipettai on Sep 14th & 15th 2012.
8. 2012- Rajakumaran P and **Vaseeharan B.** Application of molecular marker in genetic diversity analysis on Penaeid shrimp in International Conference on Environmental Security for Food and Health (ICESFH) organized by MTT Hindu College, Tirunelveli on 16th -18th, Feb 2012.
9. 2012, **Vaseeharan B.** Cloning and characterization of a prophenoloxidase from the haemocytes of mud crab *Scylla serrata* in national conference on biotechnological approaches in aquaculture live aqua organized by Department of Zoology, Bharathiyar University, Coimbatore on 1st -3rd Feb 2012.
10. 2010-**Vaseeharan B.** A Primer to confocal microscopy in international seminar on applications of Confocal microscopy techniques in Animal Health Management (ACAH) organized by department of Animal Health and Management, Alagappa University, Karaikudi on 29th -30th March 2010.

11. 2009- **Vaseeharan B.** The perspective drawbacks of using antibiotics and the production of inhibitory compounds from probiotic bacteria in aquaculture in national seminar on Recent trends in nano marine sciences organized by School of Marine Sciences, Alagappa University, Karaikudi on 23rd and 24th 2009.
12. 2008- **Vaseeharan B.**, Karthikeyan M and Chen JC. Shrimp antimicrobial peptide penaeidins-sequence diversity and functional traits of diverse isoforms in national seminar on Application of Genomics and Bioinformatics in Animal Health and Management organized by Animal Health and Management, Alagappa University, Karaikudi.
13. 2008- Karthikeyan M, **Vaseeharan B.** Applications of stem cells in animal health in national seminar on Application of Genomics and Bioinformatics in Animal Health and Management organized by Animal Health and Management , Alagappa University, Karaikudi.

Other Training Programs

1. Nil

Overseas Exposure / Visits

1. **Place:** Department of Fisheries of the Royal Thai Government, Asian Fisheries Society, Bangkok, Thailand
Purpose of Visit: International Conference on 11th Asian Fisheries & Aquaculture Forum
Duration: 3rd August -7th August 2016
2. **Place:** Mahidol University, Bangkok, Thailand
Purpose of Visit: Training cum collaboration visit
Duration: 21st May -2nd June 2016
3. **Place:** Mahidol University, Bangkok, Thailand
Purpose of Visit: Training cum collaboration visit
Duration: 20th May -15th June 2014
4. **Place:** Queens University of Belfast, Belfast, Northern Ireland, UK

Purpose of Visit: Indo Ireland scientific cooperation programme- QUB, Belfast.

Duration: 5th – 20th of June 2012

5. Place: Switzerland

Purpose of Visit: 4th European Microbiological Association Conference (FEMS)

Duration: June 26th- 30th 2011.

6. Place: National Taiwan Ocean University, Keelung, Taiwan.

Purpose of Visit: Indo-Taiwan Scientific Collaboration, DST project

Duration: Nov 15th 2009 to Nov 30th 2009, June 26th 2009 to July 7th 2009, June 06th 2010 to July 10th 2010

7. Place: National Tsing Hua University, National Taiwan Ocean University, Taiwan.

Funded by National Science Council, Taiwan.

Purpose of Visit: Post Doctoral fellow

Duration: Oct 2003 to May 2004, July 2004 to July 2007

Membership in

Professional Bodies

1. Life member – The Indian Science Congress Association
2. International Society for Salt Lake Research (ISSLR)
3. Network of Aquaculture Centres in Asia –Pacific (NAGA)
4. Fish Health Section of Asian Fisheries Society.
5. American Nano Society (Membership #: 117122)
6. Aquaculture Foundation of India.
7. Association of Microbiologists of India (AMI)
8. Member, the Science Advisory Board.
9. Asian Fisheries society

Editorial Board

1. Associate Editor, Journal of Research in Biotechnology

2. Editor-in-chief, Alagappa University Journal of Biological Sciences
3. Associate Editor, Research journal of medical and allied sciences

Advisory Board: Nil

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

1. 2017 to till date, Member, Board of Studies, M.Sc Zoology, Alagappa University affiliated colleges, Karaikudi
2. 2017 to till date, Member, Board of Studies, B.Sc Zoology, Alagappa University, affiliated colleges, Karaikudi
3. 2010 to till date Chairman, Board of Studies, M.Sc Zoology, Alagappa University, Karaikudi.
4. 2010 to till date, Chairman, Board of Studies, M.Sc Animal Health and Management, Alagappa University, Karaikudi.
5. 2009 to till date, Chairman, Board of Studies, M.Sc Microbiology, Alagappa University, Karaikudi.
6. 2008 to till date, Chairman, Board of Studies, B.Sc Advanced Zoology and Animal Biotechnology, Alagappa University, Karaikudi.
7. 2013 to till date, Chairman, Board of Studies, M.Phil Zoology, Alagappa University, Karaikudi
8. 2011 to till date, Chairman, Board of Studies, B.Sc Microbial & Clinical lab technology, Alagappa University, Karaikudi
9. Member, Board of Studies of Department of Animal Science, Bharathidasan University.
10. 2010 to till date, Member, Board of Studies, B.Sc Advanced Zoology and Biotechnology University of Madras, Chennai- 25
11. 2010 to till date, Member, Board of Studies, M.Sc Biotechnology, Manonmanium Sundaranar University, Tirunelveli, Tamil Nadu, India.
12. 2010 to till date, Member, Board of Studies, M.Sc., Zoology, Alagappa Arts and Science College, Karaikudi; RDM College, Sivaganga; Zakir Hussian College, Sivaganga

Others: Nil

Resource persons in various capacities

Number of Invited / Special Lectures delivered: 15

Others

1. Articles published in Newspapers / Magazines : Nil
2. Products developed : Nil
3. No. of PhD Thesis evaluated : 40
4. No. of PhD Public Viva Voce Examination conducted : 25
5. Sequences submitted in GenBank: 57

Recent Publications

121. Periyakaruppan Suganyaa, Baskaralingam Vaseeharana, Sekar Vijayakumara, Banumathi Balana, Marimuthu Govindarajanb, Naiyf S. Alharbic, Shine Kadaikunnanc, Jamal M. Khaledc, Giovanni Benelli (2017) Biopolymer zein-coated gold nanoparticles: Synthesis, antibacterial potential, toxicity and histopathological effects against the Zika virus vector *Aedes aegypti*. DOI: <http://dx.doi.org/10.1016/j.jphotobiol.2017.06.004> (**Impact Factor: 2.673**)
120. Balan Banumathi and Baskaralingam Vaseeharan (2017) A Report on Medicinal Plants Used in Ethno Veterinary Practices of Toda Tribe in the Nilgiri Hills. *Veterinary Science & Technology*. DOI: <http://dx.doi.org/10.4172/2157-7579.1000245> (**Impact Factor: 0.54**)
119. 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*. DOI: <http://dx.doi.org/10.1016/j.vetpar.2017.07.021> (**Impact Factor: 2.356**)

118. Ramachandran Ishwarya, Baskaralingam Vaseeharan, Ramasamy Anuradha, Ravichandran Rekha, Marimuthu Govindarajan, Naiyf S. Alharbi, Shine Kadaikunnan, Jamal M. Khaled, Giovanni Benelli (2017) Eco-friendly fabrication of Ag nanostructures using the seed extract of *Pedaliium murex*, an ancient Indian medicinal plant: Histopathological effects on the Zika virus vector *Aedes aegypti* and inhibition of biofilm-forming pathogenic bacteria. *Journal of Photochemistry and Photobiology, B: Biology*. DOI: 10.1016/j.jphotobiol.2017.07.026 **(Impact Factor: 2.673)**
117. Sekar Vijayakumar, Baskaralingam Vaseeharan, Balasubramanian Malaikozhundan , Narayanan Gobi, Samuthirapandian Ravichandran, Sellamuthu Karthi, Balasubramaniam Ashokkumar, Natesan Sivakumar (2017) A novel antimicrobial therapy for the control of *Aeromonas hydrophila* infection in aquaculture using marine polysaccharide coated gold nanoparticle. *Microbial Pathogenesis*. DOI: <https://doi.org/10.1016/j.micpath.2017.06.029>**(Impact Factor: 2.009)**
116. Balan Banumathi, Baskaralingam Vaseeharan, Thenmozhi Chinnasamy, Sekar Vijayakumar, Marimuthu Govindarajan, Naiyf S. Alharbi, Shine Kadaikunnan, Jamal M. Khaled, Giovanni Benelli (2017) *Euphorbia rothiana*-Fabricated Ag Nanoparticles Showed High Toxicity on *Aedes aegypti* Larvae and Growth Inhibition on Microbial Pathogens: A Focus on Morphological Changes in Mosquitoes and Antibiofilm Potential Against Bacteria. *Journal of Cluster sciences*. DOI: 10.1007/s10876-017-1263-4 **(Impact Factor: 1.47)**
115. Arokiadhas Iswaryaa, Baskaralingam Vaseeharana, Mahalingam Anjugama, Balasubramanieam Ashokkumarb, Marimuthu Govindarajanc, Naiyf S. Alharbid, Shine Kadaikunnand, Jamal M. Khaledd, Giovanni Benelli (2017) Multipurpose efficacy of ZnO nanoparticles coated by the crustacean immunemolecule β -1, 3-glucan binding protein: Toxicity on HepG2 liver cancer cells and bacterial pathogens. *Colloids and Surfaces B: Biointerfaces*, DOI: <http://dx.doi.org/10.1016/j.colsurfb.2017.06.035>**(Impact Factor: 4.152)**
114. Arokiadhas Iswarya, Mahalingam Anjugam, Baskaralingam Vaseeharan (2017) Role of purified β -1, 3 glucan binding protein (β -GBP) from *Paratelphusa hydrodromus* and their anti-inflammatory, antioxidant and antibiofilm properties. *Fish and Shellfish Immunology*, DOI: 10.1016/j.fsi.2017.07.007 **(Impact Factor: 3.148)**

113. Balan Banumathi, Baskaralingam Vaseeharan, Periyakaruppan Suganya, Thavasimuthu Citatasu, Marimuthu Govindarajan, Naiyf S. Alharbi, Shine Kadaikunnan, Jamal M. Khaled, Giovanni Benelli (2017) Toxicity of *Camellia sinensis*-Fabricated Silver Nanoparticles on Invertebrate and Vertebrate Organisms: Morphological Abnormalities and DNA Damages. Journal of Cluster Science, DOI: 10.1007/s10876-017-1201-5 **(Impact Factor: 1.664)**
112. Kadarkarai murugan, Jiang Wei, Mohamad Saleh Alsalhi, Marcello Nicoletti, Manickam Paulpandi, Christina Mary Samidoss, Devakumar Dinesh, Balamurugan Chandramohan, Chellasamy Paneerselvam, Jayapal Subramaniam, Chithravel Vadivalagan, Hui Wei, Pandiyan Amuthavalli, Anitha Jaganathan, Sandhanasamy Devanesan, Akon Higuchi, Suresh Kumar, Al Thabiani Aziz, Devaraj Nataraj, Baskaralingam Vaseeharan, Angelo Canale, Giovanni Benelli (2017) Magnetic nanoparticles are highly toxic to chloroquine-resistant *Plasmodium falciparum*, dengue virus (DEN-2), and their mosquito vectors. Parasitology Research, DOI 10.1007/s00436-016-5310-0 **(Impact Factor: 2.027)**
111. Balan Banumathi, Baskaralingam Vaseeharan, Ramachandran Ishwarya, Marimuthu Govindarajan, Naiyf S. Alharbi, Shine Kadaikunnan, Jamal M. Khaled, Giovanni Benelli (2017) Toxicity of herbal extracts used in ethno-veterinary medicine and green-encapsulated ZnO nanoparticles against *Aedes aegypti* and microbial pathogens. Parasitology Research, DOI 10.1007/s00436-017-5438-6 **(Impact Factor: 2.027)**
110. Sangily Jayanthi, Sathappan Shanthi, Baskaralingam Vaseeharan, Narayanan Gopi, Marimuthu Govindarajan, Naiyf S. Alharbi, Shine Kadaikunnan, Jamal M. Khaled, Giovanni Benelli (2017) Growth inhibition and antibiofilm potential of Ag nanoparticles coated with lectin, an invertebrate immune molecule. Journal of Phytochemistry & Photobiology, B: Biology, doi: 10.1016/j.jphotobiol.2017.04.011 **(Impact Factor: 3.035)**
109. Vasu Sujitha, Kadarkarai Murugan, Devakumar Dinesh, Amuthavalli Pandiyan, Rajasekar Aruliah, Jiang-Shiou Hwang, Kandasamy Kalimuthu, Chellasamy Panneerselvam, Akon Higuchi, Al Thabiani Aziz, Suresh Kumar, Abdullah A. Alarfaj, Baskaralingam Vaseeharan, and Angelo Canale, Giovanni Benelli (2017) Green-synthesized CdS nano-

pesticides: toxicity on young instars of malaria vectors and impact on enzymatic activities of the non-target mud crab *Scylla serrate*. *Aquatic Toxicology*, <http://dx.doi.org/doi:10.1016/j.aquatox.2017.04.015> (**Impact Factor: 3.451**)

108. Sekar Vijayakumar, Balasubramanian Malaikozhundan, Sathappan Shanthi, Baskaralingam Vaseeharan, Nooruddin Thajuddin (2017) Control of biofilm forming clinically important bacteria by green synthesized ZnO nanoparticles and its ecotoxicity on *Ceriodaphnia cornuta*. *Microbial pathogenesis*, 10.1016/j.micpath.2017.03.019 (**Impact Factor: 1.888**)
107. Balan Banumathi, Vaseeharan B, Balasubramanian malaikozhundan, Palaniappan Ramasamy, Marimuthu Govindarajan, Naiyf S. Alharbi, Shine Kadaikunnan, Angelo Canale, Giovanni Benelli.”(2017) Green larvicides against blowflies, *Lucilia sericata* (Diptera, Calliphoridae): Screening of seven plants used in Indian ethno-veterinary medicine and production of green-coated zinc oxide nanoparticles. *Physiological and Molecular Plant Pathology*, 10.1016/j.pmpp.2017.02.003 (**Impact Factor: 1.371**)
106. S. Vijayakumar, Vaseeharan B, B. Malaikozhundan, N. Gopi, P. Ekambaram, R. Pachaiappan, P. Velusamy. K. Murugan, G. Benelli, R. Suresh kumar, M. Suriyanarayanamoorthy.” (2017) Therapeutic effects of gold nanoparticles synthesized using *Musa paradisiaca* peel extract against multiple antibiotic resistant *Enterococcus faecalis* biofilms and human lung cancer cells (A549)*Microbial Pathogenesis*, 102 (173-183) (**Impact Factor: 1.888**)
105. Kadarkarai Murugan, Mathath Roni, Chellasamy Paneerselvam, Al Thabiani Aziz, Udaiyan Suresh, Rajapandian Rjaganesh, Rajasekar Aruliah, Jazem A. Mahyoub, Subrata Trivedi, Hasibur rehman, Hatem Ahmed Naji Al-Aoh, Suresh Kumar, Akon Higuchi, Vaseeharan B, Huiwei, Sengottayan Senthil- Nathan, Angelo Canale, Giovanni Benelli.” (2017) *Sargassum wightii*-synthesized ZnO nanoparticles reduce the fitness and reproduction of the malaria vector *Anopheles stephensi* and cotton bollworm *Helicoverpa armigera*. *Physiological and Molecular Plant Pathology*, 10.1016/j.pmpp.2017.02.004 (**Impact Factor: 1.371**)

104. S Palanisamy, R anjali, P rajasekar, e kannapiran, Vaseeharan B, nm prabhu, (2017) "Synthesis and Distribution of Bioinspired Silver Nanoparticles Using Spirulina Extract for Control of *Vibrio parahaemolyticus* Infection in Aquaculture. Journal of Asian Journal of Chemistry, 29(4)
103. Balasubramanian Malaikozhundan, Vaseeharan B, Sekar Vijayakumar, Karuppiah Pandiselvi, Mohamed Ali Rajamohamed Kalanjiam, Kadarkarai Murugan, Giovanni Benelli." (2017) Biological therapeutics of *Pongamia pinnata* coated zinc oxide nanoparticles against clinically important pathogenic bacteria, fungi and MCF-7 breast cancer cells. Journal of Microbial Pathogenesis. 104, 268-277. **(Impact Factor: 1.888)**
102. Ramachandran Ishwarya, **Vaseeharan B**, Shanthi Sathappa, Giovanni Benelli, (2016), "Green Synthesized Silver Nanoparticles: Toxicity against *Poecilia reticulata* Fishes and *Ceriodaphnia corunta* Crustaceans", Journal of Cluster Science. **(Impact Factor: 1.66)**.
101. Kadarkarai Murugan, Jiang Wei, Mohamad Saleh Alsalhi, Marcello Nicoletti, Manickam Paulpandi, Christina Mary Samidoss, Devakumar Dinesh, Balamurugan Chandramohan, Chellasamy Paneerselvam, Jayapal Subramaniam, Chithravel Vadivalagan, Hui Wei, Pandiyan Amuthavalli, Anitha Jaganathan, Sandhanasamy Devanesan, Akon Higuchi, Suresh Kumar, Al Thabiani Aziz, Devaraj Nataraj, **Vaseeharan B**, Angelo Canale, Giovanni Benelli, (2016), "Magnetic nanoparticles are highly toxic to chloroquine-resistant *Plasmodium falciparum*, dengue virus (DEN-2), and their mosquito vectors", Journal of Parasitology Research. 1-8. **(Impact Factor: 2.02)**.
100. Vijayakumar S, **Vaseeharan B***, Malaikozhundan B, Gopi N, Ekambaram P, Pachaiappan R, Velusamy P, Murugan K, Benelli G, Suresh Kumar R, Suriyanarayanamoorthy M, (2016), "Therapeutic effects of gold nanoparticles synthesized using *Musa paradisiaca* peel extract against multiple antibiotic resistant *Enterococcus faecalis* biofilms and human lung cancer cells (A549)", Journal of Microbial Pathogenesis. 102,173-183. **(Impact Factor: 1.88)**.

99. Vijayakumar S, Malaikozhundan B, Gobi, N, **Vaseeharan B***, (2016), "Protective effects of chitosan against the hazardous effects of zinc oxide nanoparticle in freshwater crustaceans *Ceriodaphnia cornuta* and *Moina micrura*", Journal of Limnologia-Ecology and Management of Inland Waters. 61, 44-51. **(Impact Factor: 1.403)**.
98. Gobi N, Ramya C, **Vaseeharan B***, Malaikozhundan B, Vijayakumar S, Murugan K, Benelli G, (2016), "*Oreochromis mossambicus* diet supplementation with *Psidium guajava* leaf extracts enhance growth, immune, antioxidant response and resistance to *Aeromonas hydrophila*", Journal of Fish & Shellfish Immunology, 58:572-583. **(Impact Factor: 3.025)**.
97. Thaya R, Malaikozhundan B, Vijayakumar S, Sivakamavalli J, Jeyasekar R, Shanthi S, **Vaseeharan B***, Ramasamy P, Sonawane A, (2016), "Chitosan coated Ag/ZnO nanocomposite and their antibiofilm, antifungal and cytotoxic effects on murine macrophages", Journal of Microbial Pathogenesis, 100,124-132 **(Impact Factor: 1.88)**.
96. Ishwarya R, **Vaseeharan B***, Iswarya A, Karthikeyan S, (2016), "Haemolytic and antibiofilm properties of haemocyanin purified from the haemolymph of Indian white shrimp *Fenneropenaeus indicus*", Journal of Fish & Shellfish Immunology, 59, 447-455. **(Impact Factor: 3.025)**.
95. Malaikozhundan B, **Vaseeharan B***, Vijayakumar S, Sudhakaran R, Gobi N, Shanthini G, (2016), "Antibacterial and antibiofilm assessment of *Momordica charantia* fruit extract coated silver nanoparticles", Journal of Biocatalysis and Agricultural Biotechnology. 8, 189-196. **(Impact Factor: 0.761)**.
94. Vijayakumar S, **Vaseeharan B***, Malaikozhundan B, Shobiya M, (2016), "*Laurus nobilis* leaf extract mediated green synthesis of ZnO nanoparticles: Characterization and biomedical applications", Journal of Biomedicine & pharmacotherapy. 24/84, 1213-1222 **(Impact Factor: 2.32)**.
93. Anjugam M, Iswarya A, Indumathi T, **Vaseeharan B***, Pachaiappan R, Gopi N, Velusamy P, (2016), "Antibiofilm Competency of *Portunus pelagicus* Haemolymph and Identification of its Bioactive Compounds", Journal of Aquaculture. 7/8, 1000444. **(Impact Factor: 1.606)**.
92. Mohandoss S, Sivakamavalli J, **Vaseeharan B***, Stalin T, (2016), "Host-guest molecular recognition based fluorescence *On-Off-On* chemosensor for nanomolar level detection of Cu^{2+} and $\text{Cr}_2\text{O}_7^{2-}$ ions: Application in XNOR logic gate and human lung cancer living cell imaging", Sensors and Actuators, 234, 300-315. **(Impact Factor: 4.10)**.

91. Vijayakumar S, Malaikozhundan B, Ramasamy P, **Vaseeharan B***, (2016), "Assessment of biopolymer stabilized silver nanoparticle for their ecotoxicity on *Ceriodaphnia cornuta* and antibiofilm activity", *Journal of Environmental Chemical Engineering*, 4/2, 2076-2083. **(Impact Factor: 1.267)**.
90. Gobi N, Malaikozhundan B, Vijayakumar S, Shanthi S, **Vaseeharan B***, Jayakumar R, Nazar A K, (2016), "GFP tagged *Vibrio parahaemolyticus* Dahv2 infection and the protective effects of the probiotic *Bacillus licheniformis* Dahb1 on the growth, immune and antioxidant responses in *Pangasius hypophthalmus*, *Fish and Shellfish Immunology*, 52, 230-238. **(Impact Factor: 2.674)**.
89. Manju S, Malaikozhundan B, Boonsirm W, **Vaseeharan B***, (2016), "Essential oils of *Nigella sativa* protects *Artemia* from the pathogenic effect of *Vibrio parahaemolyticus* Dahv2", *Journal of Invertebrate Pathology*, 136, 43-49. **(Impact Factor: 2.11)**.
88. Ishwarya R, Jayanthi S, Muthulakshmi P, Anjugam M, Jayakumar R, Nazar A K, **Vaseeharan B***, (2016), "Immune indices and identical functions of two prophenoloxidasases from the haemolymph of green tiger shrimp *Penaeus semisulcatus* and its antibiofilm activity", *Fish and Shellfish Immunology*, 51, 220-228. **(Impact Factor: 2.674)**.
87. Shanthi S, David Jayaseelan B, Velusamy P, Vijayakumar S, Cheng Ta Chih, **Vaseeharan B***, (2016), "Biosynthesis of silver nanoparticles using a probiotic *Bacillus licheniformis* Dahb1 and their antibiofilm activity and toxicity effects in *Ceriodaphnia corunta*", *Microbial Pathogenesis*, 93, 70-77. **(Impact Factor: 1.794)**.
86. Jaishabanu A, Lakshmikanthan P, Vimal G, Sivakamavalli J, **Vaseeharan B**, Ekambaram P, (2016), "Tamarind seed coat ameliorates fluoride induced cytotoxicity, oxidative stress, mitochondrial dysfunction and apoptosis in A549 cells", *Journal of Hazardous Materials*, 301, 554-565. **(Impact Factor: 4.529)**.
85. Banumathi B, Malaikozhundan B, **Vaseeharan B***, (2016), "*In vitro* acaricidal activity of ethnoveterinary plants and green synthesis of zinc oxide nanoparticles against *Rhipicephalus (Boophilus) microplus*", *Veterinary Parasitology*, 216, 93-100. **(Impact Factor: 2.460)**.
84. Anjugam M, Iswarya A, **Vaseeharan B***, (2016), "Multifunctional role of β -1, 3 glucan-binding protein purified from the haemocytes of blue swimmer crab *Portunus pelagicus* and in vitro antibacterial activity of reaction product", *Fish & Shellfish Immunology*, 48, 196-205. **(Impact Factor: 2.674)**.

83. Manju S, Malaikozhundan B, Vijayakumar S, Shanthi S, Jaishabanu A, Ekambaram P, **Vaseeharan B***, (2016), "Antibacterial, antibiofilm and cytotoxic effects of *Nigella sativa* essential oil coated gold nanoparticles", *Microbial Pathogenesis*, 91, 129-135. **(Impact Factor: 1.794)**.
82. Mohandoss S, Sivakamavalli J, **Vaseeharan B**, Thambusamy S, (2015), "Fluorometric sensing of Pb²⁺ and CrO₄²⁻ ions through host-guest inclusion for human lung cancer live cell imaging", *Royal Society of Chemistry*, 5/123, 101802-101818. **(Impact Factor: 3.84)**.
81. Sivakamavalli J, Selvaraj C, Sanjeev K S and **Vaseeharan B***, (2015), "Modelling of macromolecular proteins in prophenoloxidase cascade through experimental and computational approaches", *Biotechnology & Applied Biochemistry*. **(Impact Factor: 1.362)**.
80. Velusamy P, Pachaiappan R, Christopher M, **Vaseeharan B**, Anbu P, Jae-Seong So, (2015), "Isolation and identification of a novel fibrinolytic *Bacillus tequilensis* CWD-67 from dumping soils enriched with poultry wastes", *Journal of General and Applied Microbiology*, 61. **(Impact Factor: 0.943)**.
79. Sivakamavalli J, Selvaraj C, Sanjeev K S, **Vaseeharan B***, (2015), "In vitro and in silico studies on cell adhesion protein peroxinectin from *Fenneropenaeus indicus* and screening of heme blockers against activity", *Journal of Molecular Recognition*. **(Impact Factor: 2.15)**.
78. Banumathi B, **Vaseeharan B***, (2015), "A Report on medicinal plants used in ethno veterinary practices of toda tribe in the Nilgiri Hills", *Journal of Veterinary Science & Technology*, 6/5, 1-6. **(Impact Factor: 2.50)**.
77. **Vaseeharan B***, Sivakamavalli J, Thaya R, (2015), "Synthesis and characterization of chitosan-ZnO composite and its antibiofilm activity against aquatic bacteria", *Journal of Composite Materials*, 49, 177-184. **(Impact Factor: 1.17)**.
76. Velusamy P, Das J, Pachaiappan R, **Vaseeharan B***, Pandian K, (2015), "Greener approach for synthesis of antibacterial silver nanoparticles using aqueous solution of neem gum (*Azadirachta indica* L.)", *Industrial Crops and Products*, 66, 103-109. **(Impact Factor: 3.02)**.
75. Vijayakumar S, Vinoj G, Malaikozhundan B, Shanthi S **Vaseeharan B***, (2015), "*Plectranthus amboinicus* leaf extract mediated synthesis of zinc oxide nanoparticles and its control of methicillin resistant *Staphylococcus aureus* biofilm and blood sucking

mosquito larvae”, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 137, 886-891. **(Impact Factor: 2.129)**.

74. Vinoj G, Pati R, Sonawane A, **Vaseeharan B***, (2015), “In vitro cytotoxic effects of gold nanoparticles coated with functional AHL Lactonase protein from *Bacillus licheniformis* and its antibiofilm activity against *Proteus species*”, Antimicrobial agents and chemotherapy, 59/2, 763-771. **(Impact Factor: 4.451)**.
73. Vinoj G, Jayakumar R, Chen JC, Boonsirm W, Shanthi S, **Vaseeharan B***, (2015), “N-hexanoyl-L-homoserine lactone-degrading *Pseudomonas aeruginosa* PsDAHP1 protects zebrafish against *Vibrio parahaemolyticus* infection”, Fish and Shellfish Immunology, 42/1, 204-212. **(Impact Factor: 3.034)**.
72. Sivakamavalli J, Nirosha R, **Vaseeharan B***, (2015), “Purification and characterization of a cysteine-rich 14-kDa antibacterial peptide from the granular hemocytes of mangrove crab *Episesarma tetragonum* and its antibiofilm activity”, Applied Biochemistry and Biotechnology Journal. **(Impact Factor: 1.687)**.
71. Manju S, Malaikozhundan B, Chen JC, **Vaseeharan B***, (2014), “Essential oil of *Nigella sativa* based synthesis of silver nanoparticles and its effect on pathogenic *Vibrio harveyi* and *Vibrio parahaemolyticus* isolated from aquatic environments”, Journal of the Fisheries Society of Taiwan, 41/2, 123-134.
70. Rajamohamed Kalanjiam MA, Malaikozhundan B, Giriya V, Gobi N and **Vaseeharan B***, (2014), “Effect of guar (olobus) meal based diets on growth performance and feed utilization in asian catfish, *Pangasianodon hypophthalmus* fingerlings”, Journal of the Fisheries Society of Taiwan 419/2, 135-144.
69. Rajakumaran P, **Vaseeharan B***, (2014), “Survey on penaeidae shrimp diversity and exploitation in south east coast of India”, Fisheries and Aquaculture Journal 5/103,2. **(Impact Factor: 0.5)**.
68. Sivakamavalli J, **Vaseeharan B***, (2014), “Enzymatic elucidation of haemocyanin from Kuruma shrimp *Marsupenaeus japonicus* and its molecular recognition mechanism towards pathogens”, Journal of biomolecular Structure & Dynamics 9, 1-13. **(Impact Factor: 4.99)**.
67. Sivakamavalli J, Sunil Kumar Tripathi, Sanjeev K S, **Vaseeharan B***, (2014), “Homology modeling, molecular dynamics, and docking studies of pattern-recognition transmembrane protein-lipopolysaccharide and β -1, 3 glucan-binding protein from

- Fenneropenaeus indicus*”, Journal of Biomolecular Structure & Dynamics, 20, 1-12. **(Impact Factor: 4.99)**.
66. Sivakamavalli J, Deepa O, **Vaseeharan B***, (2014), “Discrete nanoparticles of *Ruta graveolens* induces the bacterial and fungal biofilm inhibition”, Cell Communication & Adhesion 21/4, 229-38. **(Impact Factor: 1.048)**.
65. Selvaraj C, Sivakamavalli J, **Vaseeharan B**, Singh P, Sanjeev K S, (2014), “Examine the characterization of biofilm formation and inhibition by targeting SrtA mechanism in *Bacillus subtilis*: a combined experimental and theoretical study”, Journal of Molecular Modeling, 20/8, 2364. **(Impact Factor: 1.867)**.
64. Vinoj G, **Vaseeharan B***, Thomas S, Spiers AJ, Shanthi S, (2014), “Quorum-Quenching activity of the AHL-lactonase from *Bacillus licheniformis* DAHB1 inhibits *Vibrio* biofilm formation in vitro and reduces shrimp intestinal colonization and mortality” Marine Biotechnology, 16/6, 707-715. **(Impact Factor: 2.7)**.
63. Rajakumaran P, **Vaseeharan B***, Jayakumar R, Chidambaram R, (2014), “Conformation of phylogenetic relationship of Penaeidae shrimp based on morphometric and molecular investigations”, Conformation Cytology and Genetics, 48/6, 17-24. **(Impact Factor: 0.28)**.
62. Shanthi S, Manju S, Rajakumaran P, **Vaseeharan B***, (2014), Molecular cloning of peroxinectin gene and its expression in response to peptidoglycan and *Vibrio harveyi* in Indian white shrimp *Fenneropenaeus indicus*. Cell Communication and Adhesion 29; 1-9. **(Impact Factor: 1.98)**.
61. Sivakamavalli J, Chandrabose Selvaraj, Sanjeev K S, **Vaseeharan B***, (2014), “Molecular cloning, relative expression and structural analysis of pattern recognition molecule β -glucan binding protein from mangrove crab *Episesarma tetragonum*”, Journal of Biotechnology and Applied Biochemistry, 62/3, 416-423. **(Impact Factor: 1.35)**.
60. **Vaseeharan B***, Thaya R, (2014), “Medicinal plant derivatives as immunostimulants: an alternative to chemotherapeutics and antibiotics in aquaculture” Aquaculture International, 22, 1079-1091. **(Impact Factor-1.04)**.
59. Sivakamavalli J, **Vaseeharan B***, (2014), “Variations in biochemical and histological characteristics of WSSV infected green tiger shrimp *Penaeus semisulcatusi*”, Journal of Receptors and Signal Transduction, 34/5, 386-9. **(Impact Factor: 1.630)**.
58. Selvaraj C, Sivakamavalli J, **Vaseeharan B**, P Singh, Sanjeev K S, (2014), “Structural elucidation of SrtA enzyme in *Enterococcus faecalis*: An emphasis on screening of

potential inhibitors against the biofilm formation”, *Molecular Biosystems* 10/7, 177-89. **(Impact Factor: 3.35).**

57. Sivakamavalli J, **Vaseeharan B***, (2014), “Bifunctional role of a pattern recognition molecule β -1, 3 glucan binding protein purified from mangrove crab *Episesarma tetragonum*”, *Journal of Invertebrate Pathology*, 119, 25-31. **(Impact Factor: 2.669).**
56. Sivakamavalli J, **Vaseeharan B***, (2014), “Purification, characterization and functional role of lectin from green tiger shrimp *Penaeus semisulcatus*”, *International Journal of Biological Macromolecules*, 67, 64-70. **(Impact Factor: 2.37).**
55. Rashmirekha Pati, Ranjit Kumar Mehta, Soumitra Mohanty, Avinash Padhi, Mitali Sengupta, **Vaseeharan B**, Chandan Goswami, Avinash Sonawane, (2014), “Topical application of zinc oxide nanoparticles reduces bacterial skin infection in mice and exhibits antibacterial activity by inducing oxidative stress response and cell membrane disintegration in macrophages” *Nanomedicine: Nanotechnology, Biology, and Medicine* 10/6, 1195-208. **(Impact Factor: 6.93).**
54. Selvaraj C, Sivakamavalli J, **Vaseeharan B**, Sanjeev K S, (2014), “Virtual screening of LPXTG competitive SrtA inhibitors targeting signal transduction mechanism in *Bacillus anthracis*: a combined experimental and theoretical study”, *Journal of Receptors and Signal Transduction* 34/3, 221-32. **(Impact Factor: 1.630).**
53. Sivakamavalli J, Selvaraj C, Sanjeev K S, **Vaseeharan B***, (2014), “Interaction investigations of crustacean β -GBP recognition toward pathogenic microbial cell membrane and stimulate upon prophenoloxidase activation”, *Journal of Molecular Recognition*, 27, 173–183. **(Impact Factor: 3.006).**
52. Shanthi S, **Vaseeharan B***, (2014), “Alpha 2 macroglobulin gene and their expression in response to GFP tagged *Vibrio parahaemolyticus* and WSSV pathogens in Indian white shrimp *Fenneropenaeus indicus*”, *Aquaculture* 418, 48-54. **(Impact factor-2.009).**
51. Sivakamavalli J, Selvaraj C, Singh SK & **Vaseeharan. B***, (2013), “Exploration of protein–protein interaction effects on α -2-macroglobulin in an inhibition of serine protease through gene expression and molecular simulations”, *Journal of Biomolecular Structure and Dynamics* 32/11, 1841-54. **(Impact Factor-4.986).**
50. Shanmuga Priya A, Sivakamavalli J, **Vaseeharan B**, Stalin T, (2013), “Improvement on dissolution rate of inclusion complex of Rifabutin drug with β -cyclodextrin”,

International Journal of Biological Macromolecules, 62, 472– 480. (**Impact Factor: 2.37**).

49. **Vaseeharan B***, Ramasamy P, Godwin Wesley S and Chen JC, (2013), “Influence of acute salinity changes on biochemical, haematological and immune characteristics of *Fenneropenaeus indicus* during white spot syndrome virus challenge” *Microbiology Immunology*, 57, 463–469. (**Impact factor- 1.545**).
48. Sivakamavalli J and **Vaseeharan B***, (2013), “Purification and characterisation of β - 1, 3, glucan binding from green tiger shrimp *Penaeus semisulcatusi*”, *Fish and Shellfish Immunology*, 35, 689-96. (**Impact factor- 2.96**).
47. Vinoj G, **Vaseeharan B***, Brennan G, (2013), “Green fluorescent protein visualization of *Vibrio parahaemolyticus* infections in Indian white shrimp *Fenneropenaeus indicus* (H Milne Edwards)”, *Aquaculture Research* 1–12. (**Impact Factor-1.42**).
46. **Vaseeharan B***, Sivakamavalli J, Thaya R, (2013), “Synthesis and characterization of chitosan- ZnO composite and its antibiofilm activity against aquatic bacteria”, *Journal of Composite Materials*, 1-8. (**Impact factor: 0.936**).
45. David Jayaseelan B, **Vaseeharan B***, Maharajan A, Shanthi S, Vinoj G, (2013), “Vibriostatic effects of probiotics *Bacillus licheniformis* Dahb1 and its molecular phylogeny resolved through RAPD markers”, *Journal of Molecular Annals of Microbiology*, 63, 1601–1609. (**Impact Factor-1.55**).
44. Sivakamavalli J, Rajakumaran P & **Vaseeharan B***, (2013), “*In vitro* studies on cellular mediated immune response in haemocytes of crab *Episesarma tetragonum*”, *International Journal of Molecular Zoology*, 3, 24-31. (**doi: 10.5376/ijmz.2013.03.0007**).
43. Isaac R, Gobalakrishnan S, Rajan G, Wu RJ, Pamanji SR, Khagga M, **Vaseeharan B**, and Chavali M, (2013), “An overview of facile green biogenic synthetic routes and applications of platinum nanoparticles”, *Advanced science, Engineering and Medicine*, 5/8, 763-770. (**doi: <http://dx.doi.org/10.1166/ asem.2013.1377>**).
42. Vinoj G, **Vaseeharan B***, David Jayaseelan B, Rajakumaran P, Ravi C, (2013), “Inhibitory effects of *Bacillus licheniformis* (DAB1) and *Pseudomonas aeruginosa* (DAP1) against *Vibrio parahaemolyticus* isolated from *Fenneropenaeus indicus*”, *Aquaculture International*, 21, 1121-1135. (**Impact Factor-1.04**).

41. Rajakumaran P, **Vaseeharan B***, Anita Yeshvadhya V, (2013), "Molecular characterization of economically important penaeid populations in south east coast of India", International Journal of Aquaculture, 3/19, 105-114.
40. **Vaseeharan B***, Rajakumaran P, David Jayaseelan B, Anita Yeshvadhya V, (2013), "Molecular markers and their application in genetic diversity of penaeid shrimp", Aquaculture International, 21, 219-241. **(Impact Factor-1.0)**.
39. Manikandan R, Beulaja M, Thiagarajan R, Priyadarsini A, S Palanisamy, Meiyalagan V, Arumugam M, Prabhu N M, **Vaseeharan B**, (2012), "Protective effect of ferulic acid and resveratrol against alloxan-induced diabetes in mice", European Journal of Pharmacology, 690, 226-235. **(Impact factor- 2.59)**.
38. Sivakamavalli J and **Vaseeharan. B***, (2012), "cDNA cloning, characterization and expression of lipopolysaccharide and β -1,3-glucan binding protein (LGBP) gene from the Indian white shrimp *Fenneropenaeus indicus*", Journal of Molecular Comparative Biochemistry and Physiology, Part A, Molecular & Integrative Physiology, 163, 74–81. **(Impact Factor-2.235)**.
37. Sivakamavalli J, Rajakumaran P and **Vaseeharan B***, (2012), "Prophenoloxidase and immune indices of Indian white shrimp *Fenneropenaeus indicus*", Journal of Aquaculture Research & Development, 3/6. **(Impact Factor-0.62)**.
36. Sivakamavalli J, **Vaseeharan B***, Shanthi S, Prabhu N M, Manikandan R, Ravi C, Prem Anand T, (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, 3/3, 26-36.
35. **Vaseeharan B***, Shanthi S, Chen JC, Montserrat E, (2012), "Molecular cloning, sequence analysis and expression of Fein-Penaeidin from the haemocytes of Indian white shrimp *Fenneropenaeus indicus*", Results in Immunology, 2, 35–43. **(doi:10.1016/j.rinim.2012.02.001)**.
34. **Vaseeharan B***, Clara G, Lin YC, Chen JC, (2012), "Green synthesis of silver nanoparticles through *Calotropis gigantea* leaf extracts and evaluation of antibacterial activity against *Vibrio alginolyticus*", Nanotechnology Development, 2/3, 12-16. **(doi: <http://dx.doi.org/10.4081/nd.2012.e3>)**.
33. Latha M, Prabhu N M, Manikandan R, **Vaseeharan B**, (2012), "Antibacterial effect of green synthesized silver nanoparticles against *Vibrio* sp. isolated from broiler chicken", Journal of Advanced Scientific Research, 3/4, 51-54.

32. Prabhu N M, **Vaseeharan B**, Manikandan R, Devi K, (2012), "Diabetes diagnostics challenges and holistic type of management-A review", *Inventi Rapid: Pharm Tech*, 2, 195. **(Impact Factor: 0.23)**.
31. Nisha RG, Prabhu N M, Manikandan R, **Vaseeharan B**, (2012), "Gestational diabetes mellitus: complications and its management – A review", *Journal of Current Research in Ayurvedic and Pharmaceutical Sciences*. **(Impact Factor: 0.3)**.
30. **Vaseeharan B***, Manju S, Ramasamy P, (2012), "Inhibitory activity of essential oils from medicinal plants against *Pseudomonas spp.* isolated from aquatic environments", *Aquaculture Research*, 45, 97-105. **(Impact factor 1.42)**.
29. Sivakamavalli J and **Vaseeharan B***, (2012), "Biosynthesis of silver nanoparticles by *Cissus quadrangularis*", *Materials Letters*, 82, 171–173. **(Impact factor 2.307)**.
28. Shanthi S, **Vaseeharan B***, (2012), "cDNA cloning, characterisation and expression analysis of a novel antimicrobial peptide gene penaeidin-3 (Fi-Pen3) from the haemocytes of Indian white shrimp *Fenneropenaeus indicus*", *Microbiological Research*, 167/3, 127-34. **(Impact factor 2.308)**.
27. Maharajan A, **Vaseeharan B**, Rajalakshmi S, Vijayakumaran M, Kumarasamy P, Chen JC, (2011), "Effect of copper on morphology, weight, and chromosomal aberrations in the spiny lobster, *Panulirus homarus* (Linnaeus, 1758)", *Biological Trace Elements Research*, 144/1-3, 769-80. **(Impact factor 1.923)**.
26. Sivaram V and **Vaseeharan B***, (2011), "Shell-bound iron dependant nitric oxide synthesis in encysted *Artemia parthenogenetica* embryos during hydrogen peroxide exposure", *BioMetals*, 24/6, 1035-44. **(Impact factor 3.172)**.
25. Esakkirajan M, Prabhu N M, Manikandan R, **Vaseeharan B**, (2011), "War against cancer – complementary alternative medicine and holistic life style approaches as combat strategies", A review. *Inventi Rapid: Pharm Tech*, 2, 195. **(Impact Factor: 0.23)**.
24. **Vaseeharan B***, Sivakamavalli J, (2011), "*In silico* homology modeling of prophenoloxidase activating factor serine proteinase gene from the haemocytes of *Fenneropenaeus indicus*", *Journal of Proteomics and Bioinformatics*, 4/2, 053-057.
23. Manikandan R, Beulaja M, Arulvasu C, Sellamuthu S, Dinesh D, Prabhu D, Babu G, **Vaseeharan B**, Prabhu N M, (2011), "Synergistic anticancer activity of curcumin and catechin: An in vitro study using human cancer cell lines", *Microscopy Research & Technique*, 75/2, 112-6. **(Impact factor 1.792)**.

22. Prabhu N M, Esakkirajan M, **Vaseeharan B** and Manikandan R, (2011), "Scope of complementary alternative medicine on the control of swine flu", A review. Indian Journal of Natural Science, 1/6, 334-337.
21. **Vaseeharan B***, Shanthi S, Prabhu N M, (2011), "A novel clip domain serine proteinase (SPs) gene from the haemocytes of Indian white shrimp *Fenneropenaeus indicus*", Fish and Shellfish Immunology, 30/3, 980-5. **(Impact factor 2.96)**.
20. **Vaseeharan B**, Ramasamy P, Chen JC, (2010), "Antibacterial activity of silver nanoparticle (AgNpS) synthesized by tea leaf extract against pathogenic *Vibrio harveyi* and its protective efficacy on juvenile *Fenneropenaeus indicus*", Letters in Applied Microbiology, 50/4, 352-6. **(Impact factor: 1.647)**.
19. **Vaseeharan B**, Sai Prasad G, Ramasamy P, Brennan G, (2010), "Antibacterial activity of *Allium sativum* against multidrug-resistant *Vibrio harveyi* isolated from black gill-diseased *Fenneropenaeus indicus*", Aquaculture International, 19, 531-539. **(Impact factor 1.04)**.
18. **Vaseeharan B**, Ramasamy P, Srinivasan P, Manikandan R, Arulvasu C, Prabhu N.M, (2010), "Isolation and characterization of pharmaceutically important fungal microflora from *Penaeus monodon* culture system", Inventi Journals: Pharm Tech, 3, 156-160 **(Impact factor: 0.23)**.
17. Lin YC, **Vaseeharan B**, Chen JC, (2010), "Molecular cloning of mud crab *Scylla serrata* peroxinectin and its expression following *Vibrio alginolyticus* and peptidoglycan injections", Fish and Shellfish Immunology 28/1, 205-11. **(Impact factor: 2.96)**.
16. Lin YC, **Vaseeharan B**, Chen JC, (2008), "Molecular cloning and phylogenetic analysis on α 2-macroglobulin (α 2-M) of white shrimp *Litopenaeus vannamei*", Developmental and Comparative Immunology, 32, 317-29. **(Impact factor: 3.24)**.
15. Lin YC, **Vaseeharan B**, Chen JC, (2008), "Identification and phylogenetic analysis on lipopolysaccharide and β -1, 3-glucan binding protein (LGBP) of kuruma shrimp *Marsupenaeus japonicas*", Developmental and Comparative Immunology, 32, 1260-1269. **(Impact factor: 3.24)**.
14. **Vaseeharan B***, Raffiq Hussian M, Chen JC, (2008), "RpoN gene, RAPD profile, antimicrobial resistance and plasmids of *Vibrio anguillarum* isolates from vibriosis infected *Penaeus monodon*", Letters in Applied Microbiology, 47, 380-385. **(Impact factor: 1.647)**.

13. Lin YC, **Vaseeharan B.** Chen JC, (2008), "Identification of the extracellular copper-zinc superoxide dismutase (ecCuZnSOD) gene of the mud crab *Scylla serrata* and its expression following β -glucan and peptidoglycan injections", *Molecular Immunology*, 45, 1346-55. **(Impact factor: 2.65).**
12. Lin YC, **Vaseeharan B.** Ko CF, Chiou TT, Chen JC, (2007), 'Molecular cloning and characterization of a protease inhibitor gene alpha 2- macroglobulin (α 2-M) from the haemocytes of giant tiger shrimp *Penaeus monodon*", *Molecular Immunology* 44, 1065-1074. **(Impact factor: 2.65).**
11. Ko CF, Chiou TT, **Vaseeharan B.** Lu JK, Chen JC, (2007), "Cloning and characterization of a prophenoloxidase from the haemocytes of mud crab *Scylla serrata*", *Developmental and Comparative Immunology*, 31, 12-22. **(Impact factor: 3.293).**
10. **Vaseeharan B.** Lin YC, Ko CF, Chiou TT, Chen JC, (2007), "Molecular cloning and characterisation of a thioester-containing α 2-macroglobulin (α 2-M) from the haemocytes of mud crab *Scylla serrata*", *Fish and Shellfish Immunology*, 22, 115-130. **(Impact factor: 2.96).**
9. **Vaseeharan B***, Sundararaj S., Murugan T, Chen JC, (2007), "*Photobacterium damsela* ssp. *damsela* associated with diseased black tiger shrimp *Penaeus monodon* Fabricius in India", *Letters in Applied Microbiology*, 45/1, 82-86. **(Impact factor: 1.623).**
8. Ndong D, Chen YY, Lin YH, **Vaseeharan B.** Chen JC, (2007), "The immune response of tilapia *Oreochromis mossambicus* and its susceptibility to *Streptococcus iniae* under temperatures stress" *Fish and Shellfish Immunology*, 22, 686-694. **(Impact factor: 2.96).**
7. **Vaseeharan B.** Prem Anand T, Murugan T, Chen JC, (2006), "Shrimp vaccination trials with the VP292 protein of white spot syndrome virus", *Letters in Applied Microbiology*, 43, 137-141. **(Impact factor: 1.647).**
6. **Vaseeharan. B.** Lin YC, Ko CF, Chen JC, (2006), "Cloning and characterization of a serine proteinase from the haemocytes of mud crab *Scylla serrata*", *Fish and Shellfish Immunology*, 21, 20-31. **(Impact factor: 2.96).**
5. **Vaseeharan B.** Ramasamy P, Murugan T, Chen JC, (2005), "In vitro susceptibility of antibiotics against *Vibrio* spp. and *Aeromonas* spp. isolated from *Penaeus monodon* hatcheries and ponds", *International Journal of Antimicrobial Agents*, 26, 285-291. **(Impact factor: 4.128).**

4. **Vaseeharan, B**, Ramasamy, P, (2004), "Effect of probiotics, antibiotic sensitivity, pathogenicity, and plasmid profiles of *Listonella anguillarum*-like bacteria isolated from *Penaeus monodon* culture systems", *Aquaculture*, 241, 77-91. **(Impact factor: 2.044)**.
3. **Vaseeharan, B** Ramasamy P, (2003), "Control of pathogenic *Vibrio* spp. by *Bacillus subtilis* BT23, a possible probiotic treatment for Black Tiger shrimp *Penaeus monodon*", *Letters in Applied Microbiology*, 36/2, 83-87. **(Impact factor: 1.647)**.
2. **Vaseeharan B**, Jayakumar R., Ramasamy P (2003), "PCR based detection of white spot syndrome virus in cultured and captured crustaceans in India", *Letters in Applied Microbiology*, 37, 443-447. **(Impact factor: 1.647)**.
1. **Vaseeharan. B**, Ramasamy P, (2003), "Abundance of potentially pathogenic micro-organisms in *Penaeus monodon* larvae rearing systems in India", *Microbiological Research*, 158/4, 299-308. **(Impact factor: 1.99)**.