

## Detailed Biodata



Name : **Dr. Aseer Manilal**  
(Scopus: *h*-index: 10)

Official Address : Assistant Professor

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College of Medicine and Health Sciences,  
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Date of Birth & Gender : 21.10.1981; Male

Educational Qualifications : Ph.D. in Microbiology  
(Specialization in Natural Antimicrobials)

| Degree/<br>subject/area | Period of<br>study<br>From – To | University/Institute                 | Marks (%)                            |
|-------------------------|---------------------------------|--------------------------------------|--------------------------------------|
| Ph.D                    | 2007-2011                       | Bharathidasan University             | Highly commended                     |
| M.Sc.                   | 2003-2005                       | Manonmaniam Sundaranar<br>University | 68 (First Class)                     |
| B.Sc.                   | 2000-2003                       | University of Kerala                 | 77 (First Class with<br>Distinction) |

### ***Post Doctoral Research Project***

| Project Title                                                                                                                                         | Position  | Funding Agency               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------|
| Optimization of production technology for the commercialization of algal bioactives ( <i>Shrimp activa</i> ) for proactive shrimp disease management” | Innovator | DSIR Tepp Project, New Delhi |

### ***Details of teaching experience***

| <b><i>International level</i></b>                                                                                                                                   |                                                       |                                                              |                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Institute                                                                                                                                                           | Position                                              | Duration                                                     | Nature of work                                                                                                                                   |
| College of Medicine and Health Sciences, Arba Minch University, Ethiopia                                                                                            | Assistant Professor                                   | <b>18<sup>th</sup> May 2013 to till date</b>                 | Teaching Medical Microbiology, Immunology and Molecular Diagnostics to Medical, Nursing, Public Health, and Medical Laboratory Science students. |
| Got <b><i>“Certificate of Appreciation”</i></b> for the Best performance in the field of Research from <b>Arba Minch University</b> on 9 <sup>th</sup> January 2016 |                                                       |                                                              |                                                                                                                                                  |
| <b><i>National level</i></b>                                                                                                                                        |                                                       |                                                              |                                                                                                                                                  |
| Presentation College of Applied Sciences, Puthenvelikara, Eranakulam District                                                                                       | Assistant Professor, P.G. Department of Biotechnology | 1 <sup>st</sup> December-2011 to 25 <sup>th</sup> April 2013 | Teaching Microbiology, Immunology and Molecular Diagnostics P.G. and U.G. students; R & D work on Antimicrobials.                                |

### ***Details of research experience***

| Institute                                                                         | Purpose                                                   | Duration                                                        | Nature of work                                                                  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------|
| School of Biological Science, Universidad Autónoma de Nuevo Leon, México          | Post Doctoral stay                                        | 7 <sup>th</sup> November 2014 to 15 <sup>th</sup> November 2014 | Research paper presentation                                                     |
| Bharathidasan University, Tiruchirappalli                                         | Senior Research fellowship for Ph.D. Research Work (CSIR) | 1.7 years April 2010 – August 2011                              | Management of Vibriosis, Isolation of bioactive compounds from marine organisms |
| Bharathidasan University, Tiruchirappalli                                         | Senior Research Fellow (DBT)                              | 1 year (April 2009 to March 2010)                               | Management of Vibriosis, Isolation of bioactive compounds from marine organisms |
| Bharathidasan University, Tiruchirappalli                                         | Junior Research Fellow (DBT)                              | 2 years (April 2007 to March 2009)                              | Management of Vibriosis, Isolation of bioactive compounds from marine organisms |
| Sri Paramakalyani Centre for Environmental Sciences, M.S University, Thirunelveli | Research                                                  | 22 months (May 2005- March 2007)                                | Research work on RAPD technique                                                 |

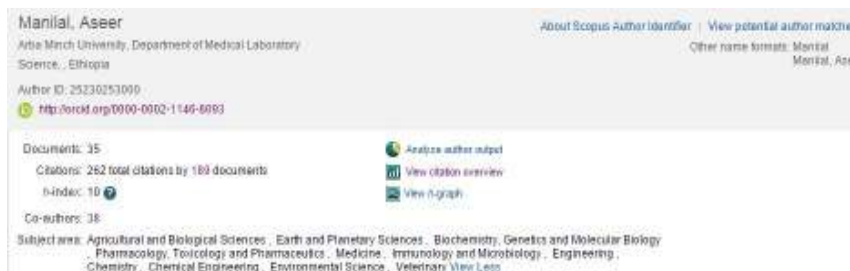
### ***Awards, fellowships & Recognition received:***

1. **Junior Research Fellowship (JRF)** awarded by Department of Biotechnology (DBT), New Delhi. (Two years)
2. **Senior Research Fellowship (SRF)** awarded by Department of Biotechnology (DBT), New Delhi. (One year)

3. **Senior Research Fellowship (SRF)** awarded by **Council of Scientific and Industrial Research (CSIR)**, New Delhi for completing the Ph.D. Research work (one year and seven months).
4. **Innovator Award- DSIR-TePP** for the optimization of innovative venture developed for the management of Vibriosis (DSIR Reference Number: File No. DSIR/TePP/298/2008/189).
5. ***“Certificate of Appreciation”*** for the Best performance in the field of Research from **Arba Minch University** on 9<sup>th</sup> January 2016

## ***Publications***

1. **Scopus Author ID proof (AUTHOR ID 25230253000)**  
<http://www.scopus.com/authid/detail.url?authorId=25230253000>
2. **Thomson Reuters Researcher ID D-2639-2012**  
<http://www.researcherid.com/rid/D-2639-2012>
3. **ORCID (Open Researcher and Contributor ID)**  
<http://orcid.org/0000-0002-1146-8093>



Total No of Publications in International Journals – 49  
Cumulative Impact Factor – 23.6

| <b>JOURNAL</b>                                       | <b>Impact Factor</b> | <b>Cumulative IF</b> |
|------------------------------------------------------|----------------------|----------------------|
| Annals of Microbiology                               | <b>1.144</b>         | 3 X 1.144 = 3.42     |
| Scientia Marina                                      | <b>0.99</b>          | 1 X 0.99 = 0.99      |
| Asian Journal of Animal and Veterinary Advances      | <b>0.869</b>         | 1 X 0.869 = 0.869    |
| Critical Reviews in Biotechnology                    | <b>7.178</b>         | 1 X 7.178 = 7.178    |
| Latin American Journal of Aquatic Research           | <b>0.564</b>         | 1 X 0.564 = 0.564    |
| Acta Botanica Croatica                               | <b>0.839</b>         | 1 X 0.839 = 0.839    |
| Journal of the World Aquaculture Society             | <b>0.732</b>         | 1 X 0.732 = 0.732    |
| Brazilian Journal of Oceanography                    | <b>0.662</b>         | 1 X 0.662 = 0.662    |
| Phyton, International Journal of Experimental Botany | <b>0.117</b>         | 1 X 0.117 = 0.117    |
| Bulletin of the Chemical Society of Ethiopia         | <b>0.577</b>         | 1 X 0.577 = 0.577    |
| Biotechnology and Bioprocess Engineering             | <b>1.113</b>         | 1 X 1.113 = 1.113    |
| Arabian Journal of Chemistry                         | <b>3.72</b>          | 1 X 3.72 = 3.72      |
| Journal of Marine Science and Technology             | <b>0.379</b>         | 1 X 0.379 = 0.379    |
| Thalassas                                            | <b>0.130</b>         | 5 X 0.130 = 0.65     |
| Saudi Journal of Biological sciences                 | <b>1.25</b>          | 1 X 1.25             |
| Tropical Journal of Pharmaceutical Research          | <b>0.589</b>         | 1 X 0.589            |
| <b>Total Impact Factor</b>                           |                      | <b>23.607</b>        |

## ***Publications in Impact Journals***

1. **Aseer Manilal, S. Sujith, C. Shakir, J. Selvin, R. Gandhimathi, G.S. Kiran, M.V.N. Panikkar (2009). Biopotentials of seaweeds collected from southwest coast of India. *Journal of Marine Science and Technology*, 17 (1): 67-73. - [Cited by 71](#)**

2. Shanmughapriya, **Aseer Manilal**, S. Sujith, J. Selvin, G. Kiran, K. Natarajaseenivasan (2008). Antimicrobial activity of seaweeds extracts against multi-resistant pathogens. *Annals of Microbiology*, 58 (3): 169-175. [Cited by 41](#)
3. **Aseer Manilal**, S. Sujith, G.S. Kiran, J. Selvin, C. Shakir, R. Gandhimathi (2009). Antimicrobial potential and seasonality of red algae collected from southwest coast of India tested against shrimp, human and phytopathogens. *Annals of Microbiology*, 59(2): 207-219. [Cited by 22](#).
4. K. Vedhagiri, **Aseer Manilal**, T. Valliyammai, S. Shanmughapriya, S. Sujith, J. Selvin, K. Natarajaseenivasan (2009). Antimicrobial potential of a marine seaweed *Asparagopsis taxiformis* against *Leptospira javanica* isolates of rodent reservoirs. *Annals of Microbiology*, 59(3): 431-437.
5. S. Shanmughapriya, G. Kiran, J. Selvin, R. Gandhimathi, T. Baskar, **Aseer Manilal**, S. Sujith (2009). Optimization, production and partial characterization of an alkalophilic amylase produced by sponge associated marine bacterium *Halobacterium salinarum* MMD047. *Biotechnology and Bioprocess Engineering*, 14: 67-75. [Cited by 20](#)
6. **Aseer Manilal**, S. Sujith, S. Shanmughapriya, J. Selvin, G. Kiran, C. Shakir, R. Gandhimathi (2010). Virulence of vibrios isolated from diseased black tiger shrimp *Penaeus monodon* Fabricious. *Journal of the World Aquaculture Society*, Wiley-Inter Science Volume 41 Issue 3, Pages 332 – 343. DOI: 10.1111/j.1749-7345.2010.00375.x [Cited by 16](#)
7. **Aseer Manilal**, S. Sujith, J. Selvin, G.S. Kiran (2010). Antibacterial activity of *Falkenbergia hillebrandii* (Born) from the Indian coast against human pathogens. *Phyton The International Journal of Experimental Botany*, 78: 161-166. . [Cited by 23](#).
8. **Aseer Manilal**, S. Sujith, J. Selvin, G.S. Kiran, C. Shakir, R. Gandhimathi, A.P. Lipton (2010). Antimicrobial potential of marine organisms collected from southwest coast of India against multiresistant human and shrimp pathogens. *Scientia Marina*, 74(2): 287-296. [Cited by 14](#)
9. **Aseer Manilal**, S. Sujith, J. Selvin, G.S. Kiran, C. Shakir (2010). Biological activity of *Asparagopsis* collected from the southwest coast of India. *Brazilian Journal of Oceanography*, 58(2): 93-100. [Cited by 9](#). This manuscript is included in the most visited issue of with 361 number of request.
10. **Aseer Manilal**, S. Sujith, J. Selvin, C. Shakir. (2010). Mokele-mbembe”: A cryptozoological animal of centre African prefecture: Veracity or Hoax. *World Applied Science Journal*, 10 (5): 544-551.
11. G.S. Kiran, J. Selvin, **Aseer Manilal**, and S. Sujith (2011). Biosurfactants as green stabilizers for the biological synthesis of nanoparticles. *Critical Reviews in Biotechnology*, 1–11. [Cited by 3](#)

12. **Aseer Manilal**, S. Sujith, B. Sabarathnam, J. Selvin, G.S. Kiran, C. Shakir, A.P. Lipton. (2011). Biological activity of the red alga *Laurencia brandenii*. *Acta Botanica Croatica* 70 (1): 81–90. [Cited by 8](#).
13. Idhayadhulla, R.S. Kumar, A.J.A. Nasser, J. Selvin, **Aseer Manilal** (2011). Synthesis some Mannich base derivatives and their antimicrobial activity *Arabian Journal of Chemistry*, doi:10.1016/j.arabjc.2010.12.025. [www.sciencedirect.com](http://www.sciencedirect.com)
14. Selvin, J., **Aseer Manilal\***, Sujith, S., Kiran, G.S. (2011). Efficacy of marine green alga *Ulva fasciata* extract on the management of shrimp bacterial diseases. *Latin American Journal of Aquatic Research*, 39(2): 197-204. [Cited by 5](#)
15. **Aseer Manilal**, S. Sujith, J. Selvin, MVN Panikkar (2011). Evaluation of seaweed bioactives on common aquatic floral and faunal weeds of shrimp ponds. *Thalassas An International Journal of Marine Sciences*, 27 (1): 47-55. [Cited by 7](#)
16. **Aseer Manilal\***, S. Sujith, J. Selvin, M.V.N. Panikkar, Shiney George (2012). Anticoagulant potential of polysaccharide isolated from Indian red alga, *Asparagopsis taxiformis* (Delile) Trevisan *Thalassas An International Journal of Marine Sciences* 28 (2): 9-15.
17. **Aseer Manilal\***, J. Selvin and MVN Panikkar (2012). Evaluation of therapeutic efficacy of Indian green alga, *Acrosiphonia orientalis* (J. Agardh) in the treatment of vibriosis in *Penaeus monodon*. *Thalassas An International Journal of Marine Sciences*, 28 (1): 33-46. [Cited by 3](#)
18. **Aseer Manilal\***, J. Selvin, N. Thajuddin, S. Sujith, A. Idhayadhulla, R.S. Kumar (2012). Biopotentials of *Lobophora variegata* collected from the South Indian littoral. *Thalassas An International Journal of Marine Sciences* 28 (1): 47-54.
19. S. Sujith, **Aseer Manilal**, J. Selvin, A. Idhayadhulla, R.S. Kumar (2012). Evaluating the antagonistic potential of seaweed-associated marine bacteria collected from the South Indian littoral. *Asian Journal of Animal and Veterinary Advances* 7:(7) 578-567. DOI. 103923/ajava.2012 [Cited by 1](#)
20. **Aseer Manilal\***, J. Selvin and Shiney George (2012). In vivo therapeutic potentiality of red seaweed, *Asparagopsis* (Bonnemaisoniales, Rhodophyta) in the treatment of Vibriosis in *Penaeus monodon* Fabricius. *Saudi Journal of Biological Sciences*. DOI:10.1016/j.sjbs.2011.12.003. [www.sciencedirect.com](http://www.sciencedirect.com) [Cited by 1](#)
21. A. Idhayadhulla, R.S. Kumar, A.J.A. Nasser and **Aseer Manilal** (2012). Synthesis and antimicrobial activity of some New Pyrrole Derivatives. *Bulletin of the Chemical Society of Ethiopia* 26(3), 429-435.
22. **Aseer Manilal\***, J. Selvin S. Sujith, , GS Kiran, FAS Feby and AP Lipton. (2013). Microalgal lethality potentials of Marine organisms collected from the Indian Littoral. *Thalassas An International Journal of Marine Sciences* 29 (2): 59-65.

23. **Aseer Manilal\***, Jimna KV, Behailu Merdekios, Muligeta Melkie, Delvin K. Pauly, and Chinnaswamy Muthukumar (2014). An in vitro antibacterial and anticandidal activity of *Sonneratia alba* (J. Smith). *Thalassas An International Journal of Marine Sciences*, 31(2) · July 2015: 67-73.
24. Xiangxiong Chen, Seung Woo Lee Akbar Idhayadhulla Radhakrishnan Surendra Kumar and **Aseer Manilal**. (2015) Nematicidal, larvicidal and antimicrobial activities of some new mannich base imidazole derivatives. *Tropical Journal of Pharmaceutical Research* 14 (8):1435-1443. <http://dx.doi.org/10.4314/tjpr.v14i8.16>

### ***Publication in Indexed International Journals***

25. **Aseer Manilal**, S. Sujith, G.S. Kiran, J. Selvin and C. Shakir (2009). Biopotentials of Mangroves Collected from the Southwest Coast of India. *Global Journal of Biotechnology & Biochemistry*, 4 (1): 59-65 [Cited by 10](#).
26. **Aseer Manilal**, S. Sujith, J. Selvin, G.S. Kiran and C. Shakir (2009). *In vivo* Antiviral Activity of Polysaccharide from the Indian Green Alga, *Acrosiphonia orientalis* (J. Agardh): Potential Implication in Shrimp Disease Management. *World Journal of Fish and Marine Sciences*, 1 (4): 278-282. [Cited by 6](#)
27. **Aseer Manilal**, S. Sujith, J. Selvin, G.S. Kiran and C. Shakir (2009). Cytotoxic potentials of *Laurencia brandenii* collected from the Indian Coast. *Global Journal of Pharmacology*, 3 (2): 90-94. [Cited by 28](#)
28. **Aseer Manilal**, S. Sujith, J. Selvin, C. Shakir, G.S. Kiran (2010). Antifouling Potentials of Seaweeds Collected from the Southwest Coast of India. *World Journal of Agricultural Sciences*, 6 (3): 243-248. [Cited by 7](#)
29. **Aseer Manilal**, S. Sujith, J. Selvin, C. Shakir, G.S. Kiran (2010). A Comparative study on the prevalence of HCC seromarkers among tribal and coastal population. *Iranica Journal of Energy and Environment*, 1 (3): 179-183.
30. C. Shakir, **Aseer Manilal**, M. Jayakumari, S. Sujith, J. Selvin (2010). Current status of shrimp farming in the southwestern coast (Manroe Island, Kollam) of India. *Iranica Journal of Energy and Environment*, 1 (4): 287-292. [Cited by 1](#)
31. Sabarathnam B., **Aseer Manilal**, S. Sujith, G.S. Kiran, J. Selvin, A. Thomas and R.Ravji. (2010). Role of Sponge Associated Actinomycetes in the Marine Phosphorous Biogeochemical Cycles. *American-Eurasian Journal of Agricultural & Environmental Sciences*, 8 (3): 253-256. [Cited by 4](#)
32. **Aseer Manilal**, B. Sabarathnam, G.S. Kiran, S. Sujith, C. Shakir, J. Selvin. (2010). Antagonistic potentials of marine sponge associated fungi *Aspergillus clavatus* MFD15. *Asian Journal of Medical Sciences*, 2 (4): 195-200. [Cited by 2](#)

33. **Aseer Manilal\***, N. Thajuddin, J. Selvin, A. Idhayadhulla, R.S. Kumar and S. Sujith. (2011). *In vitro* Mosquito Larvicidal Activity of Marine Algae Against the Human Vectors, *Culex quinquefasciatus* (Say) and *Aedes aegypti* (Linnaeus) (Diptera: Culicidae). ***International Journal of Zoological Research***, 7: 272-278. [Cited by 5](#)
34. A. Idhayadhulla, R.S. Kumar, A.J.A. Nasser and **Aseer Manilal** (2011). Synthesis and antimicrobial activity of some new Mannich base derivatives. ***Journal of Chemistry and Pharmaceutical Research***, 3 (4): 904-911. [Cited by 1](#)
35. A. Idhayadhulla, R.S. Kumar, A.J.A. Nasser and **Aseer Manilal** (2011). Synthesis of some new pyrrole derivatives and their antimicrobial activity. ***Der Pharma Chemica***, 3 (4): 210-218.
36. R.S. Kumar, A. Idhayadhulla and **Aseer Manilal**. (2011) Synthesis and antimicrobial activity of some new 1,4-dihydropyridine derivatives. ***International Journal of Pharma World Research*** Vol 2 Issue 3 (June -Nov).
37. A. Idhayadhulla, R.S. Kumar, A.J.A. Nasser and **Aseer Manilal**. (2012). Synthesis of some pyrrole derivatives and their anticoagulant activity. ***American Journal of Drug Discovery and Development***. 2 (1): 40-49. DOI:10.3923/ajddd.2012
38. **Aseer Manilal\***, S. Sujith, and J. Selvin (2013). Immuno-modulatory efficacy of Indian red algae *Asparagopsis taxiformis* in *Penaeus monodon* ***Journal of Applied Aquaculture*** , DOI:10.1080/10454438.2013.763514 Taylor & Francis 25 (1), 81-93.
39. A. Idhayadhulla, R.S. Kumar, A.J.A. Nasser and **Aseer Manilal** (2013). Synthesis of some pyrrole and pyridine derivatives and their antimicrobial, anticancer activities. ***International Journal of Biological Chemistry***. DOI:10.3923/ijbc.2012
40. **Aseer Manilal** and A. Idhayadhulla (2014). Potential in vitro antimicrobial efficacy of *Holigarna arnottiana* (Hook F) ***Asian Pac J Trop Biomed*** ; 4(1): 25-29.
41. **Aseer Manilal\***, Behailu Merdekios, Akbar Idhayadhulla, Chinnaswamy Muthukumar and Mulugeta Melkie (2014). An *in vitro* efficacy validation of mangrove associates. ***Journal of Coastal Life Medicine***; 2(7): 560-565
42. Chippu Shakir, Sujith Sugathan, **Aseer Manilal**, Joseph Selvin and A. Idhayadhulla (2014) Effect of stocking density on the survival rate and growth performance in *Penaeus monodon*. ***Journal of Applied and Basic Sciences***. 10, 231-238 DOI: <http://dx.doi.org/10.6000/1927-5129.2014.10.32>
43. **Aseer Manilal**, Behailu Merdekios, Akbar Idhayadhulla, Chinnaswamy Muthukumar, and Mulugeta Melkie (2014). An in vitro antagonistic efficacy validation of *Rhizophora mucronata*. ***Asian Pac J Trop Dis*** 2015; 5(1).

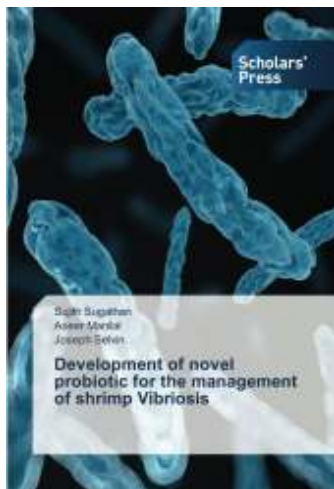
44. R.S. Kumar, **Aseer Manilal**, A. Jamal Abdul Nasser, Behailu Merdekios, Xiangxiong Chen, A. Idhayadhulla. Synthesis of Novel and Diverse 1, 4-dihydropyridine Analogues and their Antimicrobial and Anticancer Activities. *Journal of Pharmacology and Toxicology*, 9:119-128.
45. Sujith Sugathan, **Aseer Manilal\***, Tigist Gezmu, Behailu Merdekios, Joseph Selvin, Tsegaye Tsalla, Akbar Idhayadhulla and Shine Kadaikunnan (2015). Evaluating the Antibacterial Potential of *Streptomyces* sp. *Translational Biomedicine*, Vol. 6 No. 1:3.
46. Ramasamy Karthikeyan, Akbar Idhayadhulla, **Aseer Manilal**, Behailu Merdekios, \*Radhakrishnan Surendra Kumar and \*Abdul Jamal Abdul Nasser. Synthesis and evaluation of antimicrobial activity of novel 3-{[1-pyridin-2-yl methylene]amino}-2-thioxoimidazolidin-4-one analogues (2015). *Der Pharmacia Lettre*, 7 (4):198-204
47. A. Idhayadhulla, **Aseer Manilal**, Behailu Merdekios and R. Surendra Kumar (2014) Synthesis of some pyrrole and 1, 4-dihydropyridine derivatives and their environmental toxicity. *Journal of Applied Pharmaceutical Science* Vol. 5 (05), pp. 101-105, May, 2015.
48. Sujith Sugathan, Tsegaye Tsalla, Tigist Gezmu, Behailu Merdekios, Shine Kadaikunnan, Akbar Idhayadhulla, **Aseer Manilal**, Joseph Selvin (2015). An *in vivo* efficacy validation and immune-modulatory potential of *Streptomyces* sp. *Journal of Coastal Life Medicine*; 3(11): 841-847
49. **Aseer Manilal**, Tsegaye Tsalla, Gemechu Ameya, Tigist Gezmu, Behailu Merdekios, Shiju Easo John, Sabarathnam Balu Evaluating the antibacterial and anti-*Candidal* potency of mangrove, *Avicennia marina*. *Asian Pacific Journal of Tropical Disease* (Accepted)

### GenBank Submissions

| GenBank Accession No | Name of the Nucleotide | Source                                      |
|----------------------|------------------------|---------------------------------------------|
| EU432052             | 16S ribosomal RNA gene | <a href="#">Pseudoalteromonas sp. SWI24</a> |
| EU432053             | 16S ribosomal RNA gene | <a href="#">Colwellia sp. SWI25</a>         |
| EU481507             | 16S ribosomal RNA gene | <a href="#">Pseudomonas stutzeri</a>        |
| EU481508             | 16S ribosomal RNA gene | <a href="#">Staphylococcus sciuri</a>       |
| HQ176495             | 16S ribosomal RNA gene | <a href="#">Alcaligenes sp. MCI03</a>       |
| HQ176494             | 16S ribosomal RNA gene | <a href="#">Alcaligenes sp. MCI02</a>       |
| HQ176493             | 16S ribosomal RNA gene | <a href="#">Alcaligenes sp. MCI01</a>       |
| EU602318             | 16S ribosomal RNA gene | <a href="#">Halobacillus halophilus</a>     |
| JN563836             | 16S ribosomal RNA gene | <a href="#">Pseudomonas sp. MMD01</a>       |
| JN563838             | 16S ribosomal RNA gene | <a href="#">Pseudomonas sp. MMD06</a>       |
| JN563840             | 16S ribosomal RNA gene | <a href="#">Pseudomonas sp. MMD21</a>       |
| JN546223             | 16S ribosomal RNA gene | <a href="#">Limnobacter sp. MMD22</a>       |
| JN546222             | 16S ribosomal RNA gene | <a href="#">Herbaspirillum sp. MMD15</a>    |
| JN546225             | 16S ribosomal RNA gene | <a href="#">Achromobacter sp. MMD19</a>     |
| JN563841             | 16S ribosomal RNA gene | <a href="#">Massilia sp. MMD07</a>          |
| JN563837             | 16S ribosomal RNA gene | <a href="#">Rhodococcus sp. MMD02</a>       |
| JN546226             | 16S ribosomal RNA gene | <a href="#">Duganella sp. MMD16</a>         |
| JN546224             | 16S ribosomal RNA gene | <a href="#">Oceanobacillus sp. MMD12</a>    |
| JN563839             | 16S ribosomal RNA gene | <a href="#">Planococcus sp. MMD04</a>       |

### ***Published Book***

Sujith Sugathan, **Aseer Manilal** and Joseph Selvin (2014). Development of novel probiotic for the management of shrimp Vibriosis. Scholar's Press Publishers. ISBN 978-3-639-71304-6



### ***Chapters in Books***

Joseph Selvin and **Aseer Manilal** (2010). Marine Softcorals as a potential source of bioactives, In: *Marine Pharmacology*. Volume I. (Eds.) S. Ravikumar and K. Kathiresan, Alagappa University Publication. Chapter VII, 152-163.

### ***Abstracts in Books***

1. Joseph Selvin, A. P. Lipton, Seghal Kiran, **Aseer Manilal**, Sujith. S (2010). Evaluation of biotoxicity of Marine secondary metabolites using microalgal lethality bioassay. ***International conference on Climate change and Bio-resource***, February 2010, held at Department of Biotechnology, Bharathidasan University, Trichy, Tamil Nadu.
2. Joseph Selvin, T. Thangavelu, R. Gandhimathi, T. Rajeetha Ravji, **Aseer Manilal**, Sujith. S (2010). Marine sponge as depository of marine microbial diversity. ***International conference on Climate change and Bioresource***, February 2010, held at Department of Biotechnology, Bharathidasan University, Trichy, Tamil Nadu.
3. **Aseer Manilal**, Sujith Sugathan and Joseph Selvin (2012). Field trial evaluation of medicated feed formulated from Indian red algae. In: Souvenir of Indo-UK conference and workshop on ***Shrimp Aquaculture Challenges and Innovative Solutions*** January-25 to 27, 2012, held at Department of Bioinformatics, Bharathidasan University, Trichy, Tamil Nadu.
4. Sujith Sugathan, **Aseer Manilal** and Joseph Selvin (2012). Evaluating the antagonistic potential of seaweed associated microbes against shrimp vibrio pathogens. In: Souvenir of Indo-UK conference and workshop on ***Shrimp Aquaculture Challenges and Innovative Solutions*** January-25 to 27, 2012, held at Department of Bioinformatics, Bharathidasan University, Trichy, Tamil Nadu.
5. Sujith Sugathan, **Aseer Manilal** and Joseph Selvin (2012). Antagonistic potential of sponge associated microbes against shrimp vibrio pathogens. In: Souvenir of Indo-UK conference and workshop on ***Shrimp Aquaculture Challenges and Innovative Solutions***, January-25 to 27, 2012, held at Department of Bioinformatics, Bharathidasan University, Trichy, Tamil Nadu.

6. **Aseer Manilal**, Sujith Sugathan and Joseph Selvin (2012). Efficacy validation of Marine Green Alga *Ulva fasciata* Extract on the Management of Shrimp Bacterial Diseases. In: Souvenir of Indo-UK conference and workshop on ***Shrimp Aquaculture Challenges and Innovative Solutions*** January-25 to 27, 2012, held at Department of Bioinformatics, Bharathidasan University, Trichy, Tamil Nadu.
7. **Aseer Manilal**, Sujith Sugathan and Joseph Selvin (2012). In vivo antibacterial activity of Indian green alga. In: Souvenir of Indo-UK conference and workshop on ***Shrimp Aquaculture Challenges and Innovative Solutions*** January-25 to 27, 2012, held at Department of Bioinformatics, Bharathidasan University, Trichy, Tamil Nadu.
8. **Aseer Manilal**, Sujith Sugathan, and Joseph Selvin (2012). Antagonistic activity of seaweed associated bacteria, *Pseudoalteromonas* sp. against biofilm forming bacteria. ***National Seminar on New Innovative ideas in Science and Technology*** KCE-NIIST-2012, Organized by Karur College of Engineering, Karur, Tamil Nadu.
9. **Aseer Manilal** (2012). Evaluating the cytotoxic potentials of *Derris uliginosa* collected from the mangrove habitat of Kollam littoral. ***National Seminar on New Innovative ideas in Science and Technology*** KCE-NIIST-2012, Organized by Karur College of Engineering, Karur, Tamil Nadu.
10. Sujith Sugathan, **Aseer Manilal**, and Joseph Selvin (2012). Immunostimulatory potential of marine probiotic *Pseudoalteromonas* sp. SWI-24 in *Penaeus monodon*. ***National Seminar on New Innovative ideas in Science and Technology*** KCE-NIIST-2012, Organized by Karur College of Engineering, Karur, Tamil Nadu.
11. **Aseer Manilal**, Sujith Sugathan, and Joseph Selvin (2012). *In vitro* mycotoxic potential of seaweed associated bacteria, *Pseudoalteromonas* sp. ***National Seminar on Recent Trends and Future Prospects of Biodiversity and Conservation Biofest-2012***, Organized by: Sree Narayana College, Kollam.
12. Jimna KV, Resmi MA, **Aseer Manilal** (2012). In vitro antagonistic potentials of seaweed-associated microbes against multi-drug human pathogens. ***International seminar on world Bio-heritage concerns over climate change***. Botanica 2012. Organized by: Sree Narayana College, Chempazhanty.
13. Karthika T A, Resmi M A, Jimna K V, Jiji K S, **Aseer Manilal**. In vitro antagonistic potentials of Excoecaria agallocha against the shrimp vibrio pathogens (2012). ***Proceedings of the Third International Seminar on Sustainable Utilization of Tropical Plant Biomass through Biotechnology***, pp.228-229. (ISBN: 978-93-81274-32-3).

### ***Poster presentation***

1. Joseph Selvin, S. Shanmughapriya, G. Kiran, A. Lipton, **Aseer Manilal**, S. Sujith, T. Thangavelu (2008). Exploring The Antagonistic Producer Streptomyces MSI051: Implications of Polyketide Synthase Gene Type Ii And A Ubiquitous Defense enzyme Phospholipase A2 In Host Sponge *Dendrilla nigra*. The ***12<sup>th</sup> International symposium on Microbial Ecology*** held at Cairns, Australia August 17-22, 2008.

### ***Seminars/Symposium Attended***

1. Workshop on ***Tribal Medicines-2004*** organized by Biotech Consortia, Department of Biotechnology, Malankara Catholic College, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu.

2. National Workshop on ***Bioinformatics & Computational Biology*** -2004 organized by Biotech Consortia, Malankara Catholic College, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu.
3. An Orientation and Screening Programme on “***CGG Repeats Variation that Pre-dispose to Fragile-X-Syndrome in the Populatio-2004***, Organized by Biotech Consortia, Malankara Catholic College, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu.
4. The first Indian congress on ***Alternatives to the use of animals in research, testing and education*** in 2007 held at Sri Ramachandra University, Chennai, Tamil Nadu.
5. National Symposium on ***Current scenario in Microbial Technology***, 2008, Organized by Department of Microbiology, Bharathidasan University, Trichy, Tamil Nadu.
6. National Symposium on ***Immunology and Immuno-technology*** – SOII’09 from 18<sup>th</sup> – 19<sup>th</sup> September, 2009 held at Dept. of Microbiology, Bharathidasan University, Tiruchirappalli 24 jointly organize with Indian Immunology Society, New Delhi.
7. ***Alterative Techniques of Captive Elephant Training***, at Vanasree Forest Headquarters complex, Thiruvananthapuram, Kerala, April 2010.
8. An Indo-UK conference and workshop on ***Shrimp Aquaculture Challenges and Innovative Solutions*** January-25 to 27, 2012 held at Department of Bioinformatics, Bharathidasan University, Trichy, Tamil Nadu.
9. One Day National Seminar on ***New Innovative ideas in Science and Technology*** KCE-NIIST- March 2<sup>nd</sup> 2012, Organized by Karur College of Engineering, Karur, Tamil Nadu.
10. ***National Seminar on Recent Trends and Future Prospects of Biodiversity and Conservation Biofest-2012***, Organized by: Sree Narayana College, Kollam.

### ***Training programme attended***

| Organization                                        | Period                         |                                | Details of Training                                                                                                           |
|-----------------------------------------------------|--------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
|                                                     | From                           | To                             |                                                                                                                               |
| Cashew Exporters Promotion Council of India, Kollam | 18 <sup>th</sup> February 2013 | 20 <sup>th</sup> February 2013 | Workshop on ‘ <i>Biotechnology in Industry-Achievements, Potentials and Challenges</i> ’ organized by CEPPI-NAIP-ICAR project |

### ***Professional recognition:***

1. Member, Advisory Board, ***American Academic & Scholarly Research Center (AASRC)***
2. **Editorial Member and Reviewer** of *Translational Biomedicine, Asian Pacific journal of Tropical Biomedicine, American Journal of Biology and Life Sciences, Journal of Microbiology, Biotechnology and Food Sciences, American Journal of Biological, Chemical and Pharmaceutical Sciences, American Journal of Microbiological Research, Universal Journal of Medical Science, Scientific Journal International, Journal of Biology and Earth Sciences, International journal of Biotechnology Research, International Journal of Ethnopharmacology Pinnacle*

*Medicine & Medical Sciences, BioMed Research International, Prime Journal of Physical Sciences, International Journal of Science and Technology, International Journal of Zoological Research, International Journal of Biological Chemistry, Asian Journal of Phytomedicine and Clinical Research, International Journal of Farming and Allied Sciences, International Journal of Research in Medical and Health Sciences, International Journal of Animal and Veterinary Advances, Advances in Life Science and Medicine, Journal of Pharmacology and Toxicology,, Journal of Basic and Applied Sciences, Singapore Journal of Scientific Research,*

3. Animal Welfare Officer, ***Animal Welfare Board of India*** (2009-10).
4. Resource person of Molecular Microbiology Lab, ***Matysafed Prawn Hatchery and Research Centre***, Thirumullavaram, Kollam.
5. My name is included in the ***Marquis Who's Who*** Biography database, New Jersey, USA
6. My name is listed in the ***Dictionary of International Biography, 37<sup>th</sup> Edition, International Biographical Centre***, Great Britain.

### ***Memberships***

1. Life Member, ***Indian Science Congress Association***, Kolkatta
2. Member, ***International Society of Zoological Sciences (I.S.Z.S)***, China
3. Member, ***Fisherman and Scientists Research Society***, Canada
4. Senior Member, ***Asia-Pacific Chemical, Biological& Environmental Engineering Society***, Hong Kong
5. Member and Resource person, ***People for Animals***, Kollam Chapter.