



Dr. G. Immanuel

PROFILE

Associate Professor

Centre for Marine Science and Technology
Manonmaniam Sundaranar University
Rajakkamangalam
&

Former Director of PG Extension
Centre, M.S. University (2016-2022)

Additional Responsibilities

- Member, NAAC Committee, MSU
- **Director:** PG Extension Centre, MSU (2016- 2022)
 - Chairman in BOS of Biochemistry (UG/PG), M.S. University (2014-17)
 - Chairman (Question paper setting- PG. Biochemistry Board, Annamalai University (Dec.2023 onwards)
 - SCAA member- M.S. University (2016-22)
 - Member in BOS of M.Sc. Industrial Microbiology, Microbiology, Biotechnology in affiliated colleges of M.S. University
 - Alagappa University, P.G. Zoology board member
 - Annamalai University, P.G. Zoology board member
 - Gandhigram Rural University, P.G. Zoology board member
 - RAC member-Gulf of Mannar Biosphere Reserve Trust (GOMBRT), Govt. of India
 - Mentor-M.S. University constituency college, Thisayanvilai, Tamilnadu
 - M.S. University Representative, VTM, College, Arumanai, Kanyakumari District (2017-2019)

Academic Excellence

PDF	Dept., of Biology	University of South Pacific, Suva, Republic of Fiji	2001-2002	
Ph.D	Marine Biotechnology	Manonmaniam Sundaranar University, Tirunelveli	1997	Highly Commented
B.Ed	Biological Science	Annamalai University	1992	First class
M.Sc	Marine Science	Cochin University of Science and Technology	1989	First class

Carrier Experiences – 30 years

Designation	Institution	Date of Joining	Date of Leaving	Experience in years
Associate Professor	CMST, Manonmaniam Sundaranar University	16-09-2017	Till date	6
Assistant Professor	CMST, Manonmaniam Sundaranar University	29.07.2007	15.9.2017	12
DST-Young Scientist Lecturer	CMST, Manonmaniam Sundaranar University	16-09- 2005	28-07-2007	2
	CMST, Manonmaniam Sundaranar University	27-02-1998	15-09-2005	7.5

Area of Specializations

Marine Biotechnology, Marine Food Processing and Marine Natural Products Production & Applications, Aquaculture Disease management

Administrative Experiences

Director	Post graduate Extension Centre Manonmaniam Sundaranar University	2016 - 2022
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Research Experiences -28 years

Research Guide	Ph.D. Awarded - 26, (In Progress -6) M.Phil. (Awarded-102)	Since 2007 Since 1998
Examiner	For Ph.D., M.Phil., P.G. & U.G. Courses in Marine Biotechnology & Marine Microbiology in 12 universities of Tamil Nadu, Kerala & Egypt	

Research Publications & Patents

Scopus/Web of Science/UGC Care List	196 Research articles Published in Scopus/Web of Science/UGC Listed Journals
Research Publication Statistics	Cumulative Impact Factor of 243.24 and H-index of 28 & citation index of 2792 in Scopus, Google Scholar H index -34, Citation index -5081 and i10 index-86
Patent – 01 (Under Process), Books-5 (Co-editor), Book chapter- 19, Conference Proceedings – 24 Monograph-1, NCBI gene bank microbial accessions- 62	

Paper Presentations/Resource Person

International	43
National	54
Resource Person	120 Delivered Lectures, Keynote & Chaired sessions on various topics

Countries Visited-13

Singapore, Malaysia	Thailand, Indonesia	Saudi Arabia, Dubai, Qatar	Participated and presented Papers in the Conference/Seminar/workshops/ Trainings related to academic visits in various universities
Philippines	China		
Sri Lanka	Australia	Fiji & Ethiopia	

Projects

1. Principal Investigator (2019-2022)	DST-SERB	Investigation on environmentally safe antifouling metabolites from mangroves as a source to control biofoulers	Rs. 49.65 Lakhs
2. Principal Investigator (2015-2018)	UGC	The effect of medicinal herb <i>Phyllanthus niruri</i> extracts on immunostimulatory activities and immune genes expression in shrimp <i>Penaeus monodon</i> .	Rs. 14.50 Lakhs
3. Principal Investigator (2013-2018)	CMLRE, Ministry of Earth Science	Assessment of Marine Biodiversity along the South Tamilnadu Coast.	Rs 64.40 Lakhs
4. Principal Investigator (2012-2015)	DBT	Studies on Immunostimulatory activity of brown seaweeds in shrimp <i>Penaeus monodon</i>	Rs 25.88 Lakhs
5. Principal Investigator (2012-2013)	TECHNOFIRM Co. Ltd. France	Evaluation of TECNOFUOCO on Shrimp (<i>Penaeus monodon</i>) disease resistance and immune activity	€ 7500/-

- M.S. University Representative, Scott Christian College, Nagercoil, Tamilnadu (2019-2021)
- M.S. University Representative, Holycross Home Science College, Thoothukudi (2021-2023)
- M.S. University Representative, Malankara Catholic College, Thoothukudi (2023-2025)
- M.S. University Award Committee member, Scott Christian College, Nagercoil (2021-2024)
- Associate Editor in the Journal of Fisheries & Aquatic Sciences, Research Journal of Microbiology, Journal of Biological Sciences, Asian Journal of Biotechnology and Asian Journal of Biological Sciences
- Peer Reviewer in more than 25 Journals

CONTACT

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Vidwan ID: 174279

Scopus ID: 55902604800

Research gate link-

<https://www.researchgate.net/profile/Gra-sian-Immanuel>

6. Principal Investigator (2009 – 2012)	UGC,	A comparative study on therapeutic efficacy of seaweed and terrestrial plant extracts in Shrimp <i>Penaeus monodon</i> culture system	Rs. 11.48 lakhs
7. Principal Investigator (2005-2008)	DST	Technological innovation in marine pharmaceutical to use trash fish (<i>Odonus niger</i>) liver oil for income generation in rural community	Rs. 13.50 lakhs
8. Principal Investigator (2007-2009)	Biotech Marine, PONTRIEUX France	Effect of Sea weed powder and algal substances on disease management in shrimp	€ 4000/year
9. Coordinator (2000-2001)	DRDA	Fattening of baby rock lobster <i>Panulirus homarus</i> , a technology demonstration for fisher women	Rs. 1.5 lakhs
10. Principal Investigator (2014)	Sunshine Agro products Ltd.	Evaluation of Sunshine Aqua Plus on shrimp nutrition	Rs. 1.0 lakh
11. Co-investigator (2001-2004)	ICAR	Evolving Breeding and Larviculture Technology for Grouper <i>Epinephelus tauvina</i> by applying Heterospecific Insemination techniques and ayurvedic products,	Rs. 34 lakhs
12. Co-Principal Investigator (2002-2005)	OSTC	Developing prediction model for quantifying artificial feed related waste output in the culture of shrimp <i>Penaeus monodon</i>	Rs. 9.9 lakhs
13. Co-Principal Investigator (2006-2009)	DBT	Standardization and Training on the production of low cost quality Vitamin with HUFA for human consumption and feed for poultry from marine trash fish <i>Odonus niger</i> , for income generation of SC/ST coastal population of Kanyakumari District,	Rs. 21.5 lakhs
14. Co-Principal Investigator (2007– 2010)	TNSCST	Developing onshore broiler culture technology for fattening of baby rock lobster for export	Rs. 7.87 lakhs
15. Co-Principal Investigator (2008-2011)	DRDO	Investigation on eco-friendly antifouling compounds from seaweeds and its symbiotic microbes,	Rs. 10 lakhs
16. Co-Principal Investigator (2010-2013)	UGC	Diversity and molecular characterization of novel protease producing halophilic bacterial populations in marine environment	Rs. 10.74 lakhs
17. Co-Principal Investigator (2012-2015)	DRDO	Evaluation of bioactive compounds using standard antifouling methods and characterization of potential metabolites	Rs. 19.95 lakhs
18. Deputy-Coordinator (2012-2017)	UGC-SAP	Special assistant program by UGC	Rs. 64.5 lakhs
19. Investigator/ Co-investigator		Marine Ecological- EIA studies at various Central Govt. project of India (Totally 11 Consultancy Projects during 1999-2022)	Rs. 21.69 lakhs

Special Credits

- * DST Young Scientist Fellowship award-2005
- * Academic Excellence award of M.S. University – 2009
- * TNSCST-Best student project award (2010)
- * Shri. P.K. Dhas Memorial Best faculty award (2011-12)
- * Best paper presentation award- International Conference on disease in Asian Aquaculture (2011)
- * Best Research Supervisor award-2015 Grabs educational Society
- * Received "Certificate of Appreciation" in honor and recognition in the International conference on Sea Food Safety, Quality and Traceability systems, Ministry of Agriculture and Fisheries, Muscat, Sultanate of Oman (March, 2014)
- * Recognized as Top 2 % position of World Ranking Scientist List in Fisheries/Biotechnology/Agriculture during 2020-21; 2021-22 & 2022-23 by Stanford University (<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/1>)
- * Recognized as rank # 1 in M.S. University; # 5 in India; # 88 in Asia and # 574 in world ranking Scientist in the specializing subject "Fisheries" during 2023 (<https://www.adscientificindex.com/scientist.php?id=479423>)
- * Received Eminent Scientist award-2023, presented by Society for Advancement of Biological Sciences, Bangalore in ICER-NARM-2023