

# PROFILE



**Prof. P.RAMASAMY, M.Sc., Ph.D.**



## **Director – Research**

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**ORCID iD** <https://orcid.org/0000-0003-3939-8274>

[Scopus Author ID: 9939941400](#)

[Web of Science ResearcherID: G-1817-2016](#)

[Loop profile: 1276258](#)

<b>Details</b>	<b>Google Scholar</b>	<b>Scopus</b>	<b>Web of Science</b>
<b>Total Citations</b>	<b>2399</b>	<b>1440</b>	<b>1264</b>
<b>h-index</b>	<b>23</b>	<b>18</b>	<b>17</b>
<b>i10-index</b>	<b>43</b>	<b>-</b>	<b>-</b>
<b>Total Impact Factor: 233.27</b>			

**1. Educational Qualification (in chronological order from highest)**

S. No.	Qualification	University	Year	Subjects/ Topics	% achieved	Distinctions, etc.
I.	Post Doctorate	Queen's University of Belfast, Belfast, UK	1993, 1994, 1995, 1998, 1999 and 2000 (During May-July/August, three months each year)	Biotechnology- Research on Cloning, sequencing, expression of tegumental genes, immunoelectron microscopy, TEM studies	Best research experiences and publications	NA
II.	Post Doctorate	Indian Institute of Science, Bangalore	1990-91	Cloning and sequencing -Drug resistance gene of Plasmodium falciparum	Best research experiences and publications	NA
III.	Post Doctorate	Queen's University of Belfast, Belfast, UK	1982-84	Ultra structure of parasites	Best research experiences and publications	NA
IV.	Doctorate-Ph.D	Doctorate	1977-82	Studies on Monogeneans of a few families of marine teleosts: Population Dynamics and Enzymes Associated with Reproduction	Best research experiences and publications	NA
V.	Post -graduate	M.Sc	1975-77	Zoology- Entomology Specialization	I class	First class
VI.	Graduate	B.Sc	1972-75	Zoology	II class	Second class

**2. Details of Academic/Teaching Experience possessed as per Eligibility Criteria(refer to the Public Notification in the webpage) for the current position (starting from the current position):**

S. No.	Post held	Organization	Nature of duties	From	To	Experience (in years& months)
1.	Director-Research	Sree Balaji Medical College and Hospitals, Bharath University (BIHER), Chennai, Tamil Nadu, India	Research, and administration	12-3-2015	till date	6 yrs and 8 months
2.	Vice Chancellor	Alagappa University (NAAC recredited with 'A' Grade), Karaikudi, TN	Administration, Academic, Research, Extension	25-7-2007	24-7-2010	3 yrs
3.	Founder Professor and head of the dept of Biotechnology	Professor and Head, Dept of Biotechnology, University of Madras	Teaching, research, and administration	12-1- 2004	24-7-2007	3 yrs 6 months and 12 days

4.	Founder Professor and head of the dept of Biotechnology	Professor and Head, Dept of Biotechnology, University of Madras	Teaching, research, and administration	24-7-2010	30-6-2012	1 yr 11 months 6 days
5.	Professor Zoology (& Head i/c Dept of Biotechnolog from 2000-2004)	Dept of Zoology, University of Madras	Teaching and research,	19-5- 1996	11-1-2004	7 yrs 7 months 22days
6.	Reader (Zoology), University of Madras	Dept of Zoology, University of Madras	Teaching and research	19-5-1990	18-5-1996	6 yrs
7.	Lecturer (Zoology), University of Madras	Dept of Zoology, University of Madras	Teaching and research	4-4-1985	18-5-1990	5 yrs

**Total experience: 32years and 8 months in all taken together and as a professor, 22 years and 6 months**

### 3. Administrative Experience - Post(s) & Responsibilities Held:

S.No.	Position	Name of Post & Affiliation	Duration		Experience (in years & months)
			From	To	
I.	Head of the Division – R& D Wing	Diretor-Research, SBMCH, BIHER	March 12 <sup>th</sup> 2015	Till date	6 yrs and 8 months
II.	Head of the Institute/ University	Vice-chancellor	July 2007	July 2010	3 yrs
Head of Department					
III.	Founder Professor and Head of the department of Biotechnology,	Department of Biotechnology, University of Madras	26 <sup>th</sup> July 2010,	30 <sup>th</sup> June 2012	2 years
IV.	Founder Professor and Head of the department of Biotechnology	Department of Biotechnology, University of Madras	23 <sup>rd</sup> April 2004	23 <sup>rd</sup> July 2007	3 yrs 5 months
V.	Professor of Zoology and Head i/c.	Department of Biotechnology, University of Madras	24 <sup>th</sup> August 2001	22 <sup>nd</sup> February 2004	2 years 6 months
VI.	Professor of Zoology and Coordinator,	Department of Biotechnology, University of Madras	6 <sup>th</sup> July 2000	23 <sup>rd</sup> August 2001	1 year 1 month

Head of Centres					
I.	Coordinator- Bioinformatics Infrastructure Facility (BIF) Bioinformatics centre (DBT & DST)	Bioinformatics centre (DBT, DST), University of Madras (Bioinformatics Infrastructure Facility (BIF) for the promotion of Biology Teaching through Bioinformatics)	2006	2007	Two years
II.	Coordinator- Bioinformatics Facility (DST)	Bioinformatics Infrastructure Facility	2006	2007	Two years

III.	Academic Coordinator, International Centre of the Madras University	International Centre of the Madras University (ICOM), for Sciences and Basic Medical Sciences, , University of Madras , 2005-2007	2005	2007	Three years
IV.	Academic Coordinator, Core Committee Member, Centre for Nanoscience and Nanotechnology Initiatives	Centre for Nanoscience and Nanotechnology Initiatives, University of Madras,	2006	2007	Two years
V.	Coordinator – PAN-AFRICAN e-NETWORK PROJECT, Biotechnology	PAN-AFRICAN e- NETWORK PROJECT, INDO-PAN-AFRICAN e- NETWORK PROJECT (University of Madras)	2005	2007	Three years
VI.	Coordinator, UGC-SAP	Dept of Biotechnology, University of Madras,	2010	2012	Two years
VII.	Coordinator, Official development assistance (ODA) (ALIS) scheme- British Council, UK	ODA - <i>Academic Links</i> and Interchange <i>Scheme</i> (ALIS) -British Council, UK, University of Madras and Queens University of Belfast.,	1993	1995	Three years
VIII.	Coordinator= Higher Education Link Programme (HEL)- British Council, UK	Higher Education Link Programme, British Council, UK, University of Madras and Queens University of Belfast	1998	2001	Three years

Academic Council					
I.	Member of Academic Council	Member of Senate and Academic council of the Universities of Madras	2001 2010	2007 2012	Seven years, + Two years
II.	Member of Academic Council	Member of Senate and Academic council of the Aalagappa University	2007	2010	Three years
III.		Member of Academic Council of Justice Basheer Ahmed Sayeed College for Women, Chennai, (Nominated by University of Madras)	2006	2007	Two years

Chairman, Board of Studies					
I.	Chairman,	School of Life Sciences, University of Madras.	2004	2006	Two years
II.	Chairman,	Planning and Development Board, Alagappa University.	2007	2010.	Three years
III.	Chairman, Board of Studies	Board of Studies in Biotechnology University of Madras.	2002 2010	2007, 2012	Five years,+Two years
IV.	Chairman, Board of Studies	Board of Studies in Molecular Biology, University of Madras.	2005	2006	Two years
V.	Chairman, Board of Studies	Bioinformatics, University of Madras.	2001	2004	Three years

Governing Bodies					
I.	Chairman,	Senate, syndicate, and academic council of the Alagappa University	2007	2010	Three years
II.	Member, Board of Research Studies.	MK University, Madurai.	2005.	-2007	Two years
III.	„	University of Madras,	2010	2012.	Two years
IV.	„	Sri Ramachandra Medical University, chennai	2010	2015	Five years
V.	Member, Board of studies	Member of Board of Studies in Molecular Biology, University of Madras	2001	-2005	Four years
VI.	Member, Board of studies	Member of Board of Studies in Herbal Sciences, University of Madras Member of Board of Studies in Zoology, Sri Venkateswara University, Tirupati, AP, 2001-2004.	2005	2007	Three years
VII.	Member, Board of studies	Member of Board of Studies in Basic Sciences Faculty, Tamil Nadu Veterinary and Animal Sciences University, Chennai	2002	2005	Three years
VIII.	Member, Board of studies	Member of Board of Studies in Biotechnology (UG and PG), Bioinformatics (UG and PG),, and Industrial Biotechnology(PG), Manonmanian Sundaranar University, , Tirunelveli	2005	2008	Three years
IX.	Member, Board of studies	Member of Board of Studies in Biotechnology (UG &PG), Periyar University, Salem	2005	2008	Three years
X.	Member, Board of studies	Member of Board of Studies in Biotechnology (UG and PG) and Gene Technology (PG), Bharathidasan University, Tiruchirapalli	2005	2008	Three years

Search committee member (Nominee of UGC) for selection of Vice- chancellor of Acharya Nagarjuna University		
I.	Search committee member (Nominee of UGC) for the selection of a candidate for the post of Vice- chancellor of Acharya Nagarjuna University, Guntur, Government of Andhra Pradesh	(2008).
Nominee of President of India (Visitor of Jawarharlal Nehru University) on the selection committees		
II.	Nominee of President of India (Visitor of Jawarharlal Nehru University) on the selection committees for appointment to the faculty positions in the school of life sciences for a term of three years	2009-2012
Academic and Audit Committee, pre- NAAC Committee Member Sri Ramachandra University/ JSS University		
III.	Member of Academic and Audit Committee of Sri Ramachandra University, Porur, Chennai (April 2013) to guide in preparing for NAAC reaccreditation.	April 2013
IV.	Member of pre- NAAC Committee of JSS University, SS Nagar, Mysore-570015, Karnataka,	June

	India (June 2013) to guide in preparing for NAAC accreditation	2013
One man inspection commission		
V.	One man inspection commission to inspect the infrastructural facilities at Auxilium college, Vellore, for provisional affiliation for M. Sc Bioinformatics	2003
VI.	One man inspection commission to inspect the infrastructural facilities at Akilandeswari college for Women, Vandavasi, for provisional affiliation for M. Sc Bioinformatics	2003
VII.	One man inspection commission to inspect the infrastructural facilities at Prof.Danabalan college for Women, Chennai, for provisional affiliation for M. Sc Biotechnology	2003
VIII.	One man inspection commission to inspect the infrastructural facilities at Sri Sankara Arts and Science college, Kanchipuram, for provisional affiliation for B. Sc Biotechnology (Day College) (2 <sup>nd</sup> Section,	2006
IX.	One man inspection commission to inspect the infrastructural facilities at Vel's college of Science, Pallavaram, for provisional affiliation for B. Sc Biotechnology (Day College) M.Sc Biotechnology(Day College)	2005
Convener of inspection commission		
X.	Convener of inspection commission to inspect the infrastructural facilities at Loyola college, Chennai, for provisional affiliation for M. Sc Biotechnology,	2001
XI.	Convener of inspection commission to inspect the infrastructural facilities at D.K.M. college for Women, Vellore, for provisional affiliation for M.Sc Biotechnology,	2001
XII.	Convener of inspection commission to inspect the infrastructural facilities at Alpha Arts and Science college, Chennai, for provisional affiliation for M. Sc Biotechnology,	2001
XIII.	Convener of inspection commission to inspect the infrastructural facilities at SRM Arts and Science college, Kattankulathur, for provisional affiliation for M.Sc Biotechnology,	2001
XIV.	Convener of inspection commission to inspect the infrastructural facilities at Chennai National Arts-Science College, Avadi, Chennai, for provisional affiliation for M.Sc Biotechnology,	2004
XV.	Convener of inspection commission to inspect the infrastructural facilities at Chennai National Arts-Science College, Avadi, Chennai, for provisional affiliation for M. Sc Biotechnology,	2004
XVI.	Convener of inspection commission to inspect the infrastructural facilities at Vel's college of Science, Chennai, for conducting research leading to M.Phil in Biotechnology	2005

<b>Member of Professional/Academic Bodies/ Fellowship Titles of National/International bodies</b>				
1.	Fellow of Tamil Nadu Academy of Sciences		2005	Till date
2.	Fellow of National Academy of Biological Sciences, India		2004	Till date
3.	Life Member of the Indian Science Congress		2007	Till date
4.	Life Member in the Indian Society of Parasitology		1986	Till date
5.	Member, New York Academy of Sciences, USA		1996	Till date
6.	Member, Asian Fisheries Society		1992	1996
7.	Member, British Society for Parasitology		1983	1985
8.	Member of the Aquaculture Foundation of India.		1995	Till date
9.	Doctoral Fellowship	ICAR Fellowship (Ph. D (Zoo.)	1977	1980
10.	Doctoral Fellowship	UGC-JRF (Ph. D (Zoo.)	1980	1982
11.	Post-doctoral Research	Post doctoral Research Fellow, Queen's University of Belfast, UK	Dec 1982	Dec 1984
12.	Post-doctoral	DBT National Associate, Dept. of Biochemistry.,	1990	19991

Research	Indian Institute of Science, Bangalore		
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#### 4. Publications



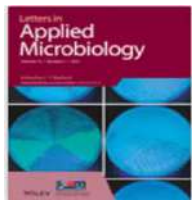


S.No.	Authors name	Title of Paper	Journal Name with Vol, year	Index details	Impact factor	No: of Citations
<b>Articles published in SBMCH affiliation</b>						
1.	R Palaniappan* , R. Krishnakumar, R Rekha, V Baskaralingam, K. Saraswathi, M Raj, R. E. B. Hanna, G Brennan, G Dayanithi, V Sekar	Bio-fabrication of Human Amniotic Membrane Zinc Oxide Nanoparticles and the Wet/Dry HAM Dressing Membrane for Wound Healing	<i>Front Bioeng Biotechol</i> , 28: 9, 695710.	WOS, Scopus	5.890	2
2.	S Bhavaniramy, R Vanajothi, S Vishnupriya, P Ramasamy, A Sibiya, B Vasecharan	Comprehensive analysis of SARS-COV-2 drug targets and pharmacological aspects in treating COVID-19	Current Molecular Pharmacology, 2021 Aug 11. Doi: 10.2174/1874467214666210811120635	WOS, Scopus	3.339	-
3.	Jian Jiao, Yan Xia, Yingli Zhang, Xueli Wu Review Editor P. Ramasamy	Phenylalanine 4-hydroxylase contributes to endophytic bacterium <i>Pseudomonas fluorescens</i> ' melatonin biosynthesis	Front. Genet. 12:746392, 2021. Doi: 10.3389/fgene.2021.746392	WOS, Scopus	4.599	-
4.	Yasaman Nazerian, Kimia Vakili, Ali Ebrahimi and Hassan Niknejad Review Editor P. Ramasamy	Developing Cytokine Storm-Sensitive Therapeutic Strategy in COVID-19 Using 8P9R Chimeric Peptide and Soluble ACE2	Front. Cell Dev. Biol., 03 September 2021   <a href="https://doi.org/10.3389/fcell.2021.717587">https://doi.org/10.3389/fcell.2021.717587</a>	WOS, Scopus	6.684	-
5.	Ariene Soares De Pinho Murari* , Joyce de Cassia Rosa de Jesus, Renata Gonçalves, Márcia Andrade Santos, Gabriela Salim De Castro, Jose Pinhata Otoch and Marilia Seelaender Review Editor: P. Ramasamy	Infusion of mesenchymal stem cells: A Promising treatment for severe COVID-19	Mini Review, Front. Cell Dev. Biol. – Stem Cell Research Received on: 05 Jun 2021, Edited by: Jangho Kim Manuscript ID: 721002. Independent review	WOS, Scopus	6.684	-
6.	Yumei Luo, Mimi Zhang, Yapei Chen, Yaoyong Chen and Detu Zhu Review Editor P. Ramasamy	Application of human induced pluripotent stem cell-derived cellular and organoid models for COVID-19 research	Front. Cell Dev. Biol., 06 September 2021   <a href="https://doi.org/10.3389/fcell.2021.720099">https://doi.org/10.3389/fcell.2021.720099</a>	WOS, Scopus	6.684	-
7.	Silvia Erni, Carlotta Palaferri, Gabriella Fernandes Pires, Michelle Buri, John	Hair Cell Generation in Cochlear Culture Models Mediated by Novel $\gamma$ -Secretase Inhibitors	Front. Cell Dev. Biol., 13 August 2021   <a href="https://doi.org/10.3389/fcell.2021.7">https://doi.org/10.3389/fcell.2021.7</a>	WOS, Scopus	6.684	-














	Gill, Katherine Lazarides, Albert Edge, Denis Grandgirard, Stephen L. Leib and Marta Roccio* Review Editor P. Ramasamy		10159			
8.	K. Gopinath1, A.M. Moorthy & P. Ramasamy	Effects of Selected Yogic Practices on Anxiety among State Level Cricket Players	International Journal of Recent Research and Applied Studies,2021.8, 1(4):,17-19 ,	ISSN: 2349 – 4891	4.665	-
9.	K. Gopinath1, A.M. Moorthy & P. Ramasamy	Effects of Selected Yogic Practices on Cardio Vascular Endurance among State Level Cricket Players	International Journal of Recent Research and Applied Studies, 2021.8, 1(1):1-4.	ISSN: 2349 – 4891	4.665	-
10.	Palaniappan Ramasamy	Phage therapy for control of bacterial diseases	In: Crustacea, ISBN 978-1- 78985-630-9, edited by: Dr. Genaro Diarte- Plata, 2020 DOI: 10.5772/intechop en.88043	WOS	Open Access	2
11.	Sekar Vijayakumar, Baskaralingam Vaseeharan, Raja Sudhakaran, Jeyaraman Jeyakandan, Palania ppan Ramasamy, Avinash Sonawane, Avinash Padhi, Palaniyandi Velusamy, Periasamy Anbu, Caterina Faggio	Bioinspired Zinc Oxide Nanoparticles Using Lycopersicon esculentum for Antimicrobial and Anticancer Applications.	Journal of Cluster Science (Springer US), 230(6): 1465-1479, 2019 <a href="https://doi.org/10.1007/s10876-019-01590-z">https://doi.org/10.1007/s10876-019-01590-z</a> <b>Springer - Nature, US</b>	WOS, Scopus	3.061	19
12.	P Rameshthangam, *, D Solairaj, G Arunachalam, P Ramasamy	Chitin and Chitinases: Biomedical And Environmental Applications of Chitin and its Derivatives	Journal of enzymes. 2018, 1(1):20-43 DOI <a href="https://doi.org/10.14302/issn.2690-4829.jen-18-">https://doi.org/10.14302/issn.2690-4829.jen-18-</a>	Google Scholar	Open Access	17
13.	Ramasamy P, Sujatha Rani J, Gunasekaran DR	Assessment of antibiotic sensitivity and pathogenicity of Vibrio spp. and Aeromonas spp. from aquaculture environment	MOJ Ecology & Environmental Sciences 2018;3(3):128?13 6. DOI:10.15406/mo jes.2018.03.00077	-	Open Access	6
14.	Vasanth. S, G. Bupesh, T. Siva Vijayakumar, P. Subramanian, P. Ramasamy.	Toxicity of Atrazine and Related To Testicular, Tissue Damaging Enzyme Levels In Poecilia sphenops.	International Journal of Current Pharmaceutical Research. 10 {2}, 2018; 75-80	Crossre f	Open Access	1
15.	Srinivasan, P., and P. Ramasamy,	Morphological characterization and biocontrol effects of Vibrio vulnificus phages against Vibriosis in the shrimp aquaculture environment	Microbial Pathogenesis* 111:472-480. Doi: 10.1016/j.micpath .2017.09.024. Epub 2017 Sep 13.	WOS, Scopus	3.738	13
























16.	Banumathi B, Vaseeharan B, Rajasekar P, Prabhu NM, Ramasamy P, Murugan K, Canale A, Benelli G.	Exploitation of chemical, herbal and nanoformulated acaricides to control the cattle tick, <i>Rhipicephalus (Boophilus) microplus</i> – A review.	Veterinary Parasitology*. 2017 Sep 15;244:102-110. Doi: 10.1016/j.vetpar.2017.07.021. Epub 2017 Jul 21	WOS, Scopus	2.738	123
17.	B Banumathi, Bvaseeharan, B Malaikozhundan, P Ramasamy, M Govindarajan NS. Alharbi, S Kadaikunnan, A Canale, G Benelli	Green larvicides against blowflies, <i>Lucilia sericata</i> (Diptera, Calliphoridae): screening of seven plants used in Indian ethno-veterinary medicine and production of green-coated zinc oxide nanoparticles.	Journal of Physiological and Molecular Plant Pathology*, available online-Elsevierhttps://doi.org/10.1016/j.pmpp.2017.02.003	WOS, Scopus	2.747	19
18.	Magesh S, Bupesh G, Sathiyamurthy K, Saran N, Vennila S, Sureshbabu BV, Kaveri K, P.Ramasamy, Gunasekaran P.	Seroprevalence, Epidemiology and Genetic characterization of Hepatitis C Virus, India	Virology & Immunology Journal* 1(1): 000102. 1-9., 2017	Google Scholar	2.0043	-
19.	Suja D, Bupesh G, Rajendran N1, Mohan V, Ramasamy P, Muthiah NS, Elizabeth AA, Meenakumari K and Prabu K.	Phytochemical Screening, Antioxidant, Antibacterial Activities of Citrus Limon and Citrus Sinensis Peel Extracts	International Journal of Pharmacognosy and Chinese Medicine Vol1, 2:1-7, 2017	Google Scholar	2.0022	14
20.	Palaniapan Ramasamy and Aruna Sharmilli	Growth, protein expression and antimicrobial sensitivity of a novel thermophilic <i>Bacillus</i> sp.	Research Journal of Medical and Applied Science, 1 (1), 2017; 22-36,	ICI	-	-
21.	Ramasamy Palaniappan and Aruna Sharmili.	Thermophilic Bacteria as a Source of Novel Polymers for Biotechnological Applications	Journal of Advances in Biology & Biotechnology* 6(4): 1-16, 2016	Google Scholar	-	3
22.	Sharmili AS and Ramasamy P.	Fatty Acid Methyl Ester (FAME) Analysis of Moderately Thermophilic Bacteria Isolated from the Coramandal Coast, Chennai, Tamilnadu.	European Journal of Experimental Biology*, 2016;6 (6:5):1-7.	Google Scholar	-	9
23.	R Thaya, B Malaikozhundan, V Vijayakumar, J Sivakamavalli, R Jeyasekar, S Shanthi, B Vaseeharan, P Ramasamy, A Sonawane.	Chitosan coated Ag/ZnO nanocomposite and their antibiofilm, antifungal and cytotoxic effects on murine macrophages.	Microbial Pathogenesis. 2016.100: 124-132. DOI10.1016/j.micpath.2016.09.010 PMID27622344	WOS, Scopus	3.738	70

24.	Vijayakumar S, Malaikozhundan B, Ramasamy P, Vaseeharan B.	Assessment of biopolymer stabilized silver nanoparticle for their ecotoxicity on Ceriodaphnia cornuta and antibiofilm activity.	Journal of Environmental Chemical Engineering 2016; 4(2):2076-2083, DOI: 10.1016/j.jece.2016.03.036	WOS, Scopus	5.909	28
25.	Vaseeharan, B., Ramasamp	Structural Proteomics drug targets and treatment of COVID-19.	Current Drug Targets MS. number: BMS-CDT-2020-223 dt 4-8-2020, 2021	WOS, Scopus	3.465	Under review
26.	Ashokkumar Sibiya, Palaniappan Ramasamy, Sundaresan Bhavaniramy, ThangaswamySelva nkumar, Baskaralingam Vaseeharan	SARS CoV-2 spike protein, Structure, Mechanism and Interaction docking with antiviral ligands from the plants of Phyllanthus genus	Current Drug Targets" <u>ms.no.</u>   BMS-CDT-2021-HT39-2436-5. 2021	WOS, Scopus	3.465	Under review
<b>Research Articles published prior to SBMCH (before 2015)</b>						
27.	Baskaralingam, Vaseeharan, P. Ramasamy, Wesly, Godwin, JC, Chen,	Influence of acute salinity changes on biochemical, hematological and immune indices of Fenneropenaeus indicus during white spot syndrome virus (WSSV) challenges.	Microbiology and Immunology*. 2013; 57(6):463-9.		1.955	16
28.	Krishnika, A. and P. Ramasamy,	Effect of chlorination, antibiotics, and UV radiation of Vibrio population in the hatchery system of Macrobrachium rosenbergii (DeMan).	Asian Jr. of Microbiol. Biotech. Env. Sc*. 2013;15(1):105-112.	EM International	0.154	7
29.	B Vaseeharan, M Sivalingam, R Palaniappan.	Inhibitory activity of essential oils from medicinal plants against Pseudomonas sp. isolated from aquatic environments	Aquaculture Research* 2013;45 (1), 97-105	Wiley 	2.082	9
30.	Vaseeharan B., Sai Prasad G., Ramasamy P., Brennan G..	Antibacterial activity of Allium Sativum against multi-drug resistant Vibrio Harveyi isolated from black gill diseased Fenneropenaeus Indicus.	Aquaculture International*; 2012; 19(3):531-539. 	SPRINGER NATURE Springer	2.235	40
31.	Krishnika. A., Ramasamy. P..	Effect of water exchange to eliminate Vibrio sp. during the naupliar development of Artemia franciscana.	Journal of fisheries and aquatic sciences*, 2012; Vol.7(3): 205-214.	Academic Journal Inc., USA		8
32.	Rameshthangam	Whitespot syndrome	International		1.532	7















	P.. Srinivasan, P., and Ramasamy, P..	Virus: An Overview,	Journal of current Research* (Special Issue: Review Article). 2011; Vol.2 (issue 2)pp028-0412(2): [ISSN: 0975-833X]. 			
33.	Aruna Sharmili S, Jayashree S and Ramasamy P..	Assessment of the bacterial load along the Coramandal Coast, Chennai, Tamil Nadu, Bay of Bengal, India	International Journal of Applied Biology*. 2011; Vol.2 (3). 			
34.	Vaseeharan B, Ramasamy P, Srinivasan P, Manikandan R, Arulvasu C, Prabhu N.M	Isolation and Characterization of Pharmaceutically Important Fungal Microflora from Penaeus monodon Culture System.	Inventi Journals 2010. Vol. 3: 156-160	Inventi Journals	5.464	
35.	Vaseeharan B., Ramasamy P. and Chen J.C..	Antibacterial activity of Silver Nanoparticles (AgNps) synthesized by tea leaf extracts against pathogenic Vibrio haryeyi and its protective efficacy on juvenile Feneropenaeus Indicus	Letters in Applied Microbiology*. 2010; Vol 50, Issue – 4, P-352-356. 	Wiley 	2.858	118
36.	Srinivasan, P. and Ramasamy, P.	Occurrence, distribution and antibiotic resistance patterns of Vibrio species associated with viral diseased shrimp of South Indian aquaculture environment.	International Journal of Agriculture Sciences*, 2009.1(2): 1-10 	Bioinformatics Publications IARAS Journals Open Academic Journals Index		36
37	Rameshthangam	Antiviral activity of Ric	Virus Research*	Elsevier	3 303	116













	P., Ramasamy, P.	(2-methylheptyl) phthalate isolated from Pongamia Pinnata leaves against White Spot Syndrome Virus of Penaeus Monodon Fabricius.	2007; 126: 38-44. 	r 		
38.	Srinivasan, P., Ramasamy, P. Brennan, G.P. and Hanna, R.E.B.	Inhibitory effects of bacteriophages against shrimp pathogenic Vibrio spp. of the Indian aquaculture environment.	Asian Journal of Animal and Veterinary Advances*, 2007.2(4): 166-183. 	Academic Journal Inc., USA	0.279 (SJR) 0.40 (RG)	12
39.	Mohan Kumar, K. and Ramasamy, P.	White Spot Syndrome virus decreases the activity of antioxidant enzyme in tissues of Fennero Penaeus Indicus H. Miln Edwards.	Virus Research* 2006. 115: 69-75. 	Elsevier r 	3.303	167
40.	Mohan Kumar, K. and Ramasamy, P..	Activities of membrane bound phosphatases, transaminases and mitochondrial enzymes in white spot syndrome virus infected tissues of Fenneropenaeusindicus ...	Virus Research* 2006: 118 ;130 – 135 	Elsevier r 	3.303	32
41.	Rameshthangam, P. and Ramasamy, P.	Antioxidant and Membrane Bound Enzymes activity in WSSV infected Penaeus Monodon Fabricius.	Aquaculture* 2006. 254 :32 – 39. 	Elsevier r 	4.242	71
42.	Rameshthangam, P. and Ramasamy, P.	Protein Expression in White Spot Syndrome virus infected Penaeus Monodon Fabricius.	Virus Research* 2005. 110 (1-2): 133-141. 	Elsevier r 	3.303	14
43.	Vaseeharan, B., Ramasamy, P., T. Murugan, and J.C. Chen,	In vitro susceptibility of antibiotics against Vibrio spp. and Aeromonas spp. isolated from Penaeus Monodon hatcheries and ponds.	International Journal of Antimicrobial Agents 2005;26 (2005) 285-291. 	Elsevier er 	5.283	144
44.	Vaseeharan, B., J. Lin and Ramasamy P	Effect of probiotics, antibiotics sensitivity, pathogenicity and	Aquaculture* 2004; 241: 77 - 91	Elsevier r	4.242	51

		plasmid profiles of <i>Listonella anguillarum</i> – like bacteria isolated from <i>Penaus monodon</i> culture systems.				
45.	Vaseeharan, B. Jeyakumar, R. and Ramasamy, P.,	PCR-based detection of white spot syndrome virus in cultured and captured crustaceans in India.	Letters in Applied Microbiology* 2003; 37 (6): 443-7. 	Wiley 	2.858	67
46.	Vaseeharan, B. and Ramasamy, P.,	Control of Pathogenic <i>Vibrio</i> Spp. <i>Bacillus</i> <i>Ubtilis</i> BT23, a possible probiotic treatment for black tiger shrimp <i>penaeus monodon</i> .	Letters in Applied Microbiology*,2 003; 1-5. 	Wiley 	2.858	500
47.	Vaseeharan, B. and Ramasamy, P.	Abundance of potentially pathogenic micro-organisms in India. <i>Penaus monodon</i> larval rearing hatcheries in India.	Microbiological Research* 2003; 158(4): 299-308. 	Elsevier 	5.415	85
48.	Myles Meaney, Fairweather, I., Brennan, G.P., Ramasamy, P. and Subramanian, P.B.	<i>Fasciola gigantica</i> : tegumental surface alterations following treatment <i>in vitro</i> with the sulphoxide metabolite of triclabendazole.	Parasitology Research 2002. 88: 315-325. € DOI 	Springer Nature Springer Verlag	2.289	50
49.	P. Ramasamy, R. Jayakumar, G P. Brennan	Muscle degeneration associated with cotton shrimp disease of <i>Penaus indicus</i>	Journal of Fish Diseases 2001. 23(1): 77 - 81. 	Wiley 	2.767	18
50.	Trugget, A., Mcnair, A.T., Hoey, E., Dalton, J.P., Rima, B.K., Miller, A. and Ramasamy, P..	The sequence of the major tegumental antigen of the migratory stage of <i>Fasciola hepatica</i> .	Parasitology 2000. 121: 185-191 	Camb ridge University Press	3.234	15
51.	Ramasamy, P., Palmy Rose Rajan, V. Purushothaman and G.P. Brennan.	Ultrastructure and pathogenesis of <i>Monodon baculovirus</i> (pmSNPV) in cultured and natural brooders of <i>Penaus monodon</i>	Aquaculture* 2000. 184: 45-66	Elsevier 	4.242	33




						
52.	Palmy Rose Rajan., Ramasamy, P., Purushothaman, V and G.P. Brennan.	White spot baculovirus syndrome virus in the Indian Shrimp <i>Penaeus Monodon</i> and <i>Penaeus Indicus</i> .	Aquaculture* 2000. 184: 31-44 	Elsevier 	4.242	60
53.	Ramasamy, P. And G.P. Brennan.	Ultrastructure of the surface structures and haptor of <i>Empleurosoma pyriforme</i> (Monopisthocotylea: Monogenea) from the gills of the teleost fish, <i>Therapon jarbua</i> .	Parasitology Research * 2000; 86: 129-139. 	SPRINGER NATURE Springer Link Springer Verlag	2.289	13
54.	Ramasamy, P. Jayakumar, R. And G.P. Brennan	Muscle degeneration associated with cotton shrimp disease of <i>Penaeus indicus</i> .	Journal of Fish Diseases * 2000. 23: 77-81. 	Wiley 	2.767	18
55.	Ramasamy, P., G.P. Brennan and K. Stalin	Ultrastructure of the digestive and protonephridial systems of the metacercaria of <i>Euclinostomum multicaecum</i> .	Journal of Helminthology 1998. 72: 243-249. 	Camb ridge Unive rsity Press	2.17	7
56.	Ramasamy, P. Palmy Rose Rajan, Jayakumar, R., Sujatha Rani, J. and G.P. Brennan.	<i>Lagenidium callinectus</i> (Couch, 1942) infections and its control in aquacultured larval (nauplii, zoea and mysis) Indian tiger prawn <i>Penaeus monodon</i> .	Journal of fish diseases*. 1996. 19: 75-82. 	Wiley 	2.767	12
57.	Brennan, G.P. and Ramasamy, P.	Ultrastructure of the gut caecal epithelium of <i>Pricea multae</i> (Monogenea: Polyopisthocotylea).	Parasitology Research *. 1996; 82(4): 312-318. 	Springer Link Springer Verlag	2.289	7
58.	Brennan, G.P., and Ramasamy, P.	Ultrastructure of the surface structures and electron immunogold labelling of peptide immunoreactivity in nervous system of	Parasitology Research *. 1996. 82(7): 638-646.	Springer Verlag Springer	2.289	10



		<i>Pseudothoracocotyla indica</i> (Polyopisthocotylea: Monogenea).		Link 		
59.	Dawood Sharief, S., Jayapaul, A., and Ramasamy. P.	Scanning electron microscope studies on the egg surface of <i>Ptychodera flava</i> (Hemichordata: Enteropneusta)	Cytobios* 1996. 86: 187-192.	Wiley , (Faculty Press.) 	1	
60.	Ramasamy, P., Brennan, G.B. and Halton.	Ultrastructure of the subsurface of <i>Allodiscotyla diacanthi</i> (Polyopisthocotylea: Monogenea) from the gills of the marine teleost fish <i>Scomberoides tol.</i>	International Journal for Parasitology 1995; 25:43-54 	Elsevier 	3.981	18
61.	Ramasamy, P., Brennan, G.B. and Jayakumar, R.	A record and prevalence of <i>Monodon baculovirus</i> from postlarval <i>Penaeus monodon</i> in Madras, India.	Aquaculture* 1995. 130: 129-135. 	Elsevier 	4.242	43
62.	Ramasamy, P. And R. Bhuvaneshvari.	The ultrastructure of the tegument and clamp attachment organ of <i>Gotocotyla bivaginalis</i> (Monogenea: Polyopisthocotylea).	International Journal for Parasitology* 1993. 22: 213-220. 	Elsevier 	3.981	14
63.	Ramasamy, P. and S.L. Panicker	Studies on the chemical nature of the cyst wall of <i>Microphallus madrasensis</i> .	Journal of Helminthology* 1991. 65: 111-119 	Cambridge University Press	2.17	3
64.	Ramasamy, P. and R.E.B. Hanna.	The surface topography of <i>Gotocotyla secunda</i> and <i>Gotocotyla bivaginalis</i> (Monogenea).	International Journal for Parasitology, 1989. 19: 63-69. 	Elsevier 	3.981	15
65.	Ramasamy, P. and K. Ramalingam.	The occurrence, site specificity and the frequency distribution of <i>Bicotyle vellavoli</i> on <i>Pampus chinensis</i> and <i>Pampus argenteus</i> .	International Journal for Parasitology* 1989. 19: 761-767 	Elsevier 	3.981	14
66.	Ramasamy, P., R.F.R. Hanna and	Scanning and transmission electron	International journal for	Elsevier	3.981	22

	L.T.	microscopic studies on the tegument of <i>Vallisia indica</i> (Monogenea).	parasitology* 1987; 16:1187-1196. 			
67.	Ramasamy, P., R.E.B. Hanna, and L.T. Threadgold.	The surface topography and ultrastructure of the tegument and haptor of <i>Pricea multae</i> (Monogenea).	International Journal for Parasitology* 1986. 16: 581-589. 	Elsevier 	3.981	23
68.	Ramasamy, P. and R.E.B. Hanna	The surface topography of <i>Bicotyle vellavolli</i> (Monogenea) from the gills of <i>Pampus chinensis</i>	International Journal for Parasitology* 1986. 16: 591-594 	Elsevier 	3.981	14
69.	Ramasamy, P. and R.E.B. Hanna.	The surface topography of a monogenean <i>Heterapta chorinemi</i> from the gills of <i>Scomberoides commersonianus</i> .	International Journal for Parasitology* 1986; 16: 595-600 	Elsevier 	3.981	13
70.	Ramasamy, P., Ramalingam, K., Hanna, R.E.B. and D.W. Halton.	Microhabitat of gill parasites (Monogenea and Copepoda) of teleosts ( <i>Scomberoides</i> spp.).	International Journal for Parasitology* 1985; 15: 385-397 	Elsevier 	3.981	75
71.	Ramasamy, P., and R.E.B. Hanna.	The surface topography of <i>Pseudothoracocotyla indica</i> from the gills of <i>Scomberoides commerson</i> .	Parasitology Research 1985; 71:575-581. 	SpringerLink Springer Verlag	2.289	16
72.	Ramasamy, P.	Stabilization of the eggshell of a monogenean <i>Dionchus remorae</i> .	Cellular and Molecular Life Sciences* (Experientia) 1984. 41: 839-840 	SpringerLink	9.261	4
73.	Ramasamy, P., Hanna, R.F.B. and	Scanning and transmission electron	Parasitology* 1984: 89. 51.	Cambidge	3.234	1



	L.T. Threadgold.	microscopic observations of the ultrastructure of the tegument of a monogenean <i>Vallisia indica</i> Unnithan		University Press		
74.	Ramasamy, P. and R.E.B. Hanna.	The surface topography of monogeneans <i>Heterapta chorinemi</i> , <i>Bicotyle vellavoli</i> , <i>Pricea multae</i> , <i>Pseudothoracocotyla indica</i> and <i>Lithocoyla indica</i> .	Parasitology* 1984; 89:19-20. 	Camb ridge University Press	3.234	-
75.	Ramasamy, P. and Ramalingam K.	Niche biology of gill parasites (Monogenea and Copepoda) of Teleosts ( <i>Scomberoides</i> spp.).	Parasitology*. 1983; 87:12. 	Camb ridge University Press	3.234	-

### 5. Books published and Edited

S. No	Details (Title, Authors, Publisher, Vol, Year, ISBN no)
<b>Books published in SBMCH affiliation</b>	
1.	Ramasamy Palaniappan and Govindan Dayanithi (May 4th 2021). Therapeutic Efficacy of Bacteriophages, Bacteriophages in Therapeutics, Sonia Bhonchal Bhardwaj, IntechOpen, DOI: 10.5772/intechopen.97619. Available from: <a href="https://www.intechopen.com/chapters/76569">https://www.intechopen.com/chapters/76569</a> (ISBN: 978-1-83962-212-0)
2.	Therapeutic Yoga, (AM Moorthy, <b>P. Ramasamy</b> ) 2021, In press Pages:1-338.
3.	Pathogenicity of Antibiotic Resistant/Sensitive Bacteria <i>Vibrio</i> spp. and <i>Aeromonas</i> spp. <b>P Ramasamy</b> , JS Rani, DR Gunasekaran Publication date 2020/3/30 Book Theory and Applications of Microbiology and Biotechnology Vol. 3, <a href="https://doi.org/10.9734/bpi/tamb/v3">https://doi.org/10.9734/bpi/tamb/v3</a> , Chapter 2 Volume 3 Pages 27-42 (ISBN-13 (15)978-93-89816-12-9)
4.	Neurosecretion: Hypothalamic Somata versus Neurohypophysial Terminals. In: Lemos J., Dayanithi G. (eds) Neurosecretion: Secretory Mechanisms. Masterclass in Neuroendocrinology (2020) Authors: Dayanithi, Govindan, José Lemos, University of Montpellier, France, & <b>P. Ramasamy</b> Book (ISBN 978-3-030-22988-7) <a href="https://doi.org/10.1007/978-3-030-22989-4">https://doi.org/10.1007/978-3-030-22989-4</a> Volume 8 Pages 17-42 Publisher Springer NATURE
5.	Neurosecretion: Secretory Mechanisms Authors India) José Lemos and Govindan Dayanithi (Eds) University of Montpellier, France, & <b>P. Ramasamy</b> Publication date 2020/4/4 Volume 8 Pages Springer Nature, 1-317 Publisher ISSN 2662-2068 ISSN 2662-2076 (electronic), ISBN 978-3-030-22988-7, I ISSN 2662-2068 978-3-030-22989-4 (eBook) <a href="https://doi.org/10.1007/978-3-030-22989-4">https://doi.org/10.1007/978-3-030-22989-4</a> Volume 8 pages 1-317
6.	Sports medicine, ISBN No: 978-93-88680-22-6 (AM Moorthy, <b>P. Ramasamy</b> ) Publication date 2019/12, Pages 1-174,
7.	Thermophilic Bacteria: Novel Polymers for Biotechnological Applications Authors <b>Palaniappan Ramasamy</b> Sharmili Aruna Publication date 2019 Book Advances and Trends in Biotechnology and Genetics Vol. 3 Print ISBN: 978-93-89562-46-0, Chapter on: Thermophilic Bacteria: Novel Polymers for Biotechnology. Volume 3 Pages 1-17 Publisher Book Publisher International, DOI: <a href="https://doi.org/10.9734/bpi/atbg/v3">https://doi.org/10.9734/bpi/atbg/v3</a>
8.	Phage Therapy for Control of Bacterial Diseases Author <b>Palaniappan Ramasamy</b> Publication date 2019/9/3 Book <a href="https://doi.org/10.5772/intechopen.88043">https://doi.org/10.5772/intechopen.88043</a> Publisher IntechOpen, London, United Kingdom (Print ISBN: 978-1-78985-629-3)
9.	Research and development Manual by <b>P. Ramasamy</b> , D. Sundaram and D.R. Gunasekaran 2017, ISBN.978-93-82932-208.
10.	Recent trends in stem cells and regenerative medicine -RTSRM, 2017, ISBN 978-93-5281-196-0
11.	International conference on "Recent advances in modern medicine: molecular signalling scenarios in tissues and diseases "RAMM-2016, 2016, Abstracts, (Book). (P. <b>Ramasamy</b> , Convener), Pages 1-

	115.ISBN978-93-5268-058-0
<b>Books published in affiliations other than SBMCH</b>	
12.	Pathogenesis and Novel Herbal Drug for Whitespot Syndrome Virus, P. Rameshthangam and P. Ramasamy 2012. LAP LAMBERT Academic Publishing, GmbH & Co. KG, Saarbrucken, Deutschland, ISBN - 978-3-8473-1273-4*
13.	Immunity and Inflammation. by P. Ramasamy & R.E.B Hanna, 2002, University of Madras Publication Division, M/S Pearl Press, Chennai, India (Text Book) ®
14.	Trends in Biotechnology – by P. Ramasamy 2002, University of Madras Publication Division, M/S Pearl Press, Chennai, India (Reference)®
15.	Bio-technological and Immunological Strategies for Research by P. Ramasamy and A. Trudgett, 2001 (Manual)®
16.	Novel Neuro-active Molecules in Helminth parasites by P. Ramasamy & D.W.D Halton 2001 (Reference)®
17.	Applications of Electron Microscopy and Cytochemical Techniques in the Diagnosis of Fish Diseases – A Laboratory Manual. Edited by P. Ramasamy, 1996®
18.	Diseases of Shrimph in aquaculture systems; Diagosis and Therapeutic Measures, Vanitha Publications, Madras, India, by P. Ramasamy, 1995 (Text Book) ®

#### 6. Details of Patents/ Inventions

S. No	Details of Patent
<b>Patents applied in the name of SBMCH</b>	
1.	A Bacteriophages preparation for bio control of vibriosis. Patent No. (Filed and published) 201741032876, Dt.16.09.2017
2.	A Novel method for isolation and long-term storage of lytic phages of Vibrio. Patent No. (Filed and published) 201741032875, Dt.16.09.2017
3.	A topical wound healing membrane, 201741023239 TEMP/E- 1/23676/2017- CHE 8000 22574
4.	A method for specific detection of pathogenic Gram-negative bacterium Salmonella typhimurium, 201741022694 TEMP/E- 1/23182/2017- CHE 8800 22289 1
5.	A process of preparing processed human amniotic collagen membrane free from chorion for use as wound dress, 201741024489 TEMP/E- 1/24969/2017- CHE 8000 dated "11/07/2017 21:19:15(Filed and published)
6.	Process of preparing collagen nox cellulose collagen sandwich wound dress and product thereof, 201741024491 TEMP/E- 1/24971/2017- CHE 3200 23452, Date/Time 2017/07/11 21:22:46
<b>Patents applied prior to SBMCH</b>	
7.	<b>Invention:</b> Taken a patent on a novel anti viral agent from a plant and a process for the preparation of the said agent, Patent application No. 1390/CHE/05, dated 30-09-2005. Journal No.39/2007 publication date: 28/09/2007, Big patents India 06/21/2008, Office of Controller of patents design and trade marks Indian patent Information Retrival Systems India, 01/05/2010 (awarded)

#### 7. Visiting fellowships/professorship

Position	Organization	Nature of duty	Period	
			From	To
Visiting Fellow/ Postdoctoral Research Fellow	Queen's University of Belfast, Northern Ireland, U.K.,	Ultrastructure-Cell Biology, Parasitology-Zoology Research, Helpful in teaching Cell for of M.Sc Zoology, furthering research in Parasitology at the University of Madras-publications from 1984-87 in International Journal of Parasitology and others.	1982	1984
Biotechnology National Associateship, Government of	Indian Institute of Science, Bangalore, India	Drug resistant genes of Malarai- <i>Plasmodium falciparum</i> : Obtained skills, knowledge and insights in molecular biology cloning techniques, DNA sequencing by suing manual methods and	1990	1991

India		autoradiographic techniques and was useful for teaching and research		
Visiting Research Fellow,	Queen's University of Belfast, Northern Ireland, U.K.	Diseases of fish, Biotechnology, DNA-Cloning-Automated DNA sequencing, molecular biology-research- was useful for teaching and research, several publications	1993	1995
Visiting Research Fellow,	Queen's University of Belfast, Northern Ireland, U.K.	Diseases of fish, Biotechnology, Cloning-sequencing, molecular biology-- was useful for teaching and research, several publications	1998	2000
Visiting Research Fellow,	Queen's University of Belfast, Northern Ireland, U.K.	Development of techniques to monitor genetically engineered microbes in aquaculture environment--- was useful for teaching and research, several publications	1998	2000
Visiting Research Fellow,	Queen's University of Belfast, Northern Ireland, U.K.	PCR, Automated DNA Sequencing, <i>F. hepatica</i> Tegumental gene --- was useful for teaching and research, several publications	1998	2000
Visiting Professor	Myanmar University, Yangoon, Myanmar	partial supervision of Ph.D. scholars at University of Yangon. and promotion of teaching and research cultural exchange	13 <sup>th</sup> Nov 2005	12 <sup>th</sup> Dec 2005
Leader of the Indian team of Vice-Chancellors to the Republic of China, 6th Education Mission to China and the Universities in China	Leader of the Indian team of Vice-Chancellors and Professors to the Republic of China during March 2009 - 6th Education Mission to China Visited over 10 Universities in China	Higher education, explored the scope for MoU with selected Chinese Universities. 22-28 March, 2009	22 March, 2009	28 March, 2009

#### 8. Involvement with formulation of academic programs:

S.No.	Nomenclature of innovative Academic Programs (UG/PG Level) formulated	University/ Institute implemented	Date of approval by Academic Council / Implementation
I.	M.Sc degree course in Biotechnology	University of Madras	Introduction of semester and credit based system in M. Sc degree course in Biotechnology together with regulations and syllabus to be offered from 2003-4 and onwards
II.	M.Sc. Biotechnology	University of Madras	M.Sc. Biotechnology, Choice Based Credit System, Regulations & syllabi (W.e.f. 2012-2013)
III.	M.Sc degree course in Biotechnology and Management	University of Madras	2005-6, 26 <sup>th</sup> February 2005, xlv.16.17 Institution of a new course, regulations and syllabus for M. Sc degree course in Biotechnology and Management
IV.	M.Sc degree course in Bioinformatics	University of Madras	Ordinary meeting of the academic council of the University of Madras dt 28 <sup>th</sup> September 2002 Appendix-57® Appendix-35
V.	M.Tech degree course in Nano-science and Technology	University of Madras	2005-6

VI.	B. Sc Degree course in Biotechnology	University of Madras	Ordinary meeting of the academic council of the University of Madras dt 28 <sup>th</sup> September 2002 Appendix-57® Appendix-35
VII.	B.E. Biotechnology,	University of Madras	2002-3
VIII.	New diploma/certificate courses-immunotechnology,	University of Madras	Ordinary meeting of the academic council of the University of Madras dt 28 <sup>th</sup> September 2002 Appendix-57® Appendix-35
IX.	new diploma/certificate courses -. bioprocess technology and downstream processing	University of Madras	Ordinary meeting of the academic council of the University of Madras dt 28 <sup>th</sup> September 2002 Appendix-57® Appendix-35
X.	new diploma/certificate courses -gene manipulation technology	University of Madras	Ordinary meeting of the academic council of the University of Madras dt 28 <sup>th</sup> September 2002 Appendix-57® Appendix-35
XI.	PG Diploma in pharmacogenomics	University of Madras	2005-6
XII.	P.G. Diploma in Herbal Biotechnology.	University of Madras	2004
XIII.	Item. IX.5. Additional qualifications for teachers to teach the subjects in M.Sc degree course in Biotechnology ...additional qualifications for Heads of Dept of the Depts in (1) Microbiology, (ii) Mass Media communication (iii) Biochemistry (iv) Biotechnology in the affiliated Colleges of the University.	University of Madras	2005 onwards, 27 <sup>TH</sup> September 2003,  26 <sup>th</sup> February 2005  See the discussion in pages 36-60.
XIV.	Introduced several novel courses, together regulations and syllabus and implemented them successfully until 2012. Periodically revised the syllabus in tune with developments in the subject.		

## 9. New courses(and new departments) introduced

S.No.	Name of the Course(and dept)	Course level (UG/PG) and Program	University/ Institute implemented	Date first offered
XV.	M.Sc. Animal Health and Management, (Dept of Animal Health and Management)	PG, Semester	Alagappa University, Karaikuddi	2008 – 2009 and onward
XVI.	M.Sc. Nano-Science and Technology, (Dept of Nano-Science and Technology)	PG, Semester--[Choice Based Credit System (CBCS)]	Alagappa University, Karaikuddi	2008 – 2009 and onward
XVII.	M.Sc. Bio-electronics and Bio-sensors, (Dept of Bio-electronics and Bio-sensors,)	PG, Semester--[Choice Based Credit System (CBCS)]	Alagappa University, Karaikuddi	2008 – 2009 and onward
XVIII.	M.Sc. Bio-Informatics, (Dept of Bio-Informatics)	PG, Semester--[Choice Based Credit System (CBCS)]	Alagappa University, Karaikuddi	2008 – 2009 and onward
XIX.	M.Sc. Microbial Technology Marine biology	PG, Semester--[Choice Based Credit System (CBCS)]	Alagappa University, Karaikuddi	2009 – 2010 and onward
XX.	M.A. Social Work	PG, Semester--[Choice Based Credit System (CBCS)]	Alagappa University, Karaikuddi	2009 – 2010 and onward
XXI.	Bharathanatyam		Alagappa University, Karaikuddi	2009 – 2010 and onward
New courses introduced:				
XXII.	Environmental	PG, Semester	University of	

	Biotechnology		Madras	
CXIII.	Pharmaceutical Biotechnology	PG, Semester	University of Madras	
CXIV.	Tissue Engineering	PG, Semester	University of Madras	
XXV.	Animal Biotechnology	PG, Semester	University of Madras	
CXVI.	Genetic Engineering	PG, Semester	University of Madras	
CXVII.	Nanobiotechnology	PG, Semester	University of Madras	
CXVIII.	Molecular Developmental Biology	PG, Semester	University of Madras	
CXIX.	Principles of Gene technology	PG, Semester	University of Madras	
XXX.	Stem Cell Biology	PG, Semester	University of Madras	
CXXI.	Bioinformatics	PG, Semester	University of Madras	
CXXII.	Immunology	PG, Semester	University of Madras	
CXXIII.	Bioprocess Technology	PG, Semester	University of Madras	

#### 10. Important MoUs established for academic and research collaborations:

S. No.	Name of Agencies / Departments involved	MoUs formulated (Research/Teaching/Others)	Year of MoU
1.	University of Madras and The Queens University of Belfast, N. Ireland, U.K	Research	1998-2000
2.	University of Madras and Mangalore Fisheries College, Mangalore, Karnataka	Research	1998-2000
3.	University of Madras and Madras Veterinary College, TANUVAS, Chennai.	Research	1998-2000
4.	University of Madras and The Queens University of Belfast, N. Ireland, U.K	Establishment of ALIS Link Programme in the field of parasitic Diseases of Fish	1993-1995
5.	University of Madras and Madras Veterinary College, TANUVAS, Chennai.	Research	1993-95

#### 11. Scientific events such conferences, workshops, etc., organized

S.No.	Year	Title of event	Organisation/ University	From – To
<b>Conferences organized in SBMCH</b>				
1.	2021	5th Unani day Valedictory function	Regional Research Institute of Unani Medicine, Chennai, (Central Council for Research in Unani Medicine, Government of India, New Delhi.	10 <sup>th</sup> February 2021
2.	2021	"PRADANYA ANNUAL GLOBAL CONFERENCE 2021" Virtual Global Conference on Digital	Organized by Prof.Shiv K. Tripathi, Ph.D. Professor and Dean (Training)	3-5 <sup>th</sup> February 2021

		Health, Sustainable Development and Wellbeing, PR delivered special address during the Valedictory Session	IIHMR University, Jaipur - 302029 <a href="http://www.iihmr.edu.in">www.iihmr.edu.in</a>	
3.	2019	A national workshop on Identification and characterization of Neuropeptides using SDS-PAGE electrophoresis	R&D wing and Department of Biochemistry jointly organized	24 <sup>th</sup> & 25 <sup>th</sup> January
4.	2019	an international conference on Sports Medicine, Yoga, Fitness therapy and Rehabilitation	R&D wing conducted at Raman hall venue Prof.P. Ramasamy, Organiser, SBMCH, BIHER-Bharath University, Chennai, Tamil Nadu. <b>MCI, Government of India partially funded the conference</b> Over 200 delegates attended the conference, 106 posters were presented	11 <sup>th</sup> & 12 <sup>th</sup> March
<p>Recently, in the year 2019. The participants submitted 108 abstracts, and the memento was released during the opening ceremony. Delegates from other countries 1. Dr. S. Benjamin Prakash Leibeserzieher &amp; Sportwissenschaftler (German University of Physical Education and Sports Sciences Cologne) Dr. Kotthaus Str.26 52351 Duren (Germany) gave a talk on "Sports medicine: Yoga fitness and rehabilitation." 2. "Impact of Yoga on Immune System-the Chief Architect of Fitness" was presented by Dr. Senthamil R. Selvan, M.Sc., M.Phil., Ph.D., Principal Scientist, Biomarker Strategies, Rockville, MD, USA, to the Indian delegates. 1. Dr. P. Senthilnathan, MDs, Oral &amp; Maxillofacial Surgeon, Senior Consultant, Apollo Hospital, Chennai, TN, India gave a session titled "Management of Sports Injury in the Face." 2. Dr. V. Muruguvalavan, Assistant Professor and Medical Officer at TNPESU, gave a talk titled "Multidimensional Approach to Sports Injury Management."</p>				
5.	2017	International conference on "Recent trends Stem cell and regenerative medicine"	Prof. P. Ramasamy, Organiser, SBMCH, BIHER-Bharath University, Chennai, Tamil Nadu. <b>ICMR, Government of India partially funded the conference</b> Over 250 delegates attended the conference, 65 posters were presented	24 <sup>th</sup> and 25 <sup>th</sup> August, 2017
6.	2016	International conference on "Recent advances in modern medicine: molecular signalling scenarios in tissues and diseases",	Prof.P. Ramasamy, Organiser, SBMCH, BIHER-Bharath University, Chennai, Tamil Nadu. <b>SBMCH partially funded the conference.</b> Over 300 delegates attended the conference, and 75 posters were presented	3 <sup>rd</sup> and 4 <sup>th</sup> September
7.	2016	"Medical Specialization in Germany & future prospects" Dr Krishna Nagarajan, Chairman (International Academy of Students) & Associate Director International Programs (FHM	Prof.P. Ramasamy, Organiser, SBMCH, BIHER-Bharath University, Chennai, Tamil Nadu.	12th May



		University), Germany		
8.	2016	Physiopathology of Stress" Oxytocin, Vasopressin and stress, Calcium signaling, stem cells and application in medicine Prof.G.Dayanithi, CNRS Research Director & Professor Head: Department of Molecular Neurophysiology Group Leader and Principal Investigator: Czech Grant Agency Institute of Experimental Medicine, Academy of Sciences of the Czech Republic, Prague, CZ	Prof.P. Ramasamy, Organiser, SBMCH, BIHER-Bharath University, Chennai, Tamil Nadu.	12th January
<b>Conferences organized in other affiliations</b>				
9.	2011	Organized a workshop "To motivate and promote the culture of research at the undergraduate level for department of engineering and technology" under the UGC-SAP programme	P. Ramasamy Dept of Biotechnology, University of Madras,	24 <sup>th</sup> January to 2 <sup>nd</sup> February
10.	2010	Organized South Zone Vice-Chancellors' Conference under the Aegis of the Association of Indian Universities, New Delhi, at Karaikudi as the Vice Chancellor of the Alagappa University	P. Ramasamy, Alagappa University, Karaikudi	16-17 <sup>th</sup> June
11.	2006	International conference on "Nanoscience and Nanotechnology (ICNSNT)".	Centre for Nanoscience and Nanotechnology and, P.Ramasamy University of Madras, Chennai, India	26 <sup>th</sup> to 28 <sup>th</sup> August
12.	2004	International conference on "The Biology of HIV Transmission: Prospects for Prevention"	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	9 <sup>th</sup> August
13.	2004	"Biosensor I and II.	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	23 <sup>rd</sup> February and 23 <sup>rd</sup> March
14.	2004	UGC – Academic Staff College Refresher Course in Biotechnology	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	24 <sup>th</sup> September 2004 to 14 <sup>th</sup> October
15.	2003	Gene Silencing and Virus Resistance by Dr. P. Chellappan, Danforth Plant Science Centre, St. Louis, MO, USA,.	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	16 <sup>th</sup> July
16.	2003	Proteome Analysis: Methods and Applications by Prof. K. Dharmalingam, School of Biotechnology, M.K. University, Madurai,	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	25 <sup>th</sup> March
17.	2003	Genomic Imprinting by Prof. Sarat Chandra, IISc, Bangalore	Prof. P. Ramasamy, Department of Biotechnology,	18 <sup>th</sup> March

			University of Madras	
18.	2003	GENETIC ENGINEERING OF PLANTS: Part A: Transformation Strategies: Part B: Transformation of Indica Rice for Salinity and Drought Tolerance by Prof. Aditya K. Gupta, School of Biotechnology, M.K. University, Madurai,	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	18 <sup>th</sup> March
19.	2003	Proteomics Microarray by Dr. B. Ramachandran, Amersham Pharmacia Biotech,	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	20 <sup>th</sup> February
20.	2003	National Seminar on “Genomics and Proteomics	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	19 <sup>th</sup> and 20 <sup>th</sup> February
21.	2003	Molecular Medicine by Prof. G. Padmanaban, Department of Biochemistry, Indian Institute of Science, Bangalore,	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	20 <sup>th</sup> February
22.	2003	Microbial Genome by Prof. P. Gunasekaran, Head, Department of Microbial Technology, Madurai Kamaraj University	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	19 <sup>th</sup> February
23.	2003	Gene Transfer Technology by Dr. Hari Narayana Rao, Scientist E2, Centre for Cellular and Molecular Biology, Hyderabad, A.P.,	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	19 <sup>th</sup> February
24.	2003	Crystallography in Proteomics by Prof. E. Subramanian, Department of Crystallography and Biophysics, University of Madras, Chennai – 25,	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	19 <sup>th</sup> February
25.	2002	Seminar on “Proving Hypothesis and Formulating Concept in Experimental Biology and Medicine” Dr. M.H. Ravindranath, USA	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	18 <sup>th</sup> March
26.	2002	Seminar on “Proteomics – Problems and Prospects” by Prof. E. Subramaniam, Emeritus Professor, Dept of Biophysics, University of Madras	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	28 <sup>th</sup> February
27.	2002	Seminar on “Hormones and Signal Transduction”	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	17 <sup>th</sup> January
28.	2001	Seminar on (i) “Discovery of Novel CRY genes from Bacillus Turingiensis” and (ii) “Ethical, Legal and Social aspects of Human Genome Project”. Prof. Jeyachandran, Pondicherry	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	5 <sup>th</sup> December



		University		
29.	2001	Seminar on “Gene Transfer for Crop Improvement by Dr. George Thomas, SPIC Science Foundation	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	12 <sup>th</sup> November
30.	2001	Seminar on “Botanical Pesticides”	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	5 <sup>th</sup> November
31.	2001	Seminar on “Vaccines” Prof. P. Kaliraj, Anna University	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	24 <sup>th</sup> October
32.	2001	Seminar on “Glycoprobes for Human Carcinoma Diagnosis” Prof. Yogeswaran, SRMC	Prof. P. Ramasamy, Department of Biotechnology, University of Madras	11 <sup>th</sup> October
33.	2001	Seminar on “Biotechnological and Immunological Strategies for Research” Dr. A. Trudgett, Queens University of Belfast, UK.	organized by Prof. P. Ramasamy & Dr. A. Trudgett, funded by University of Madras and British Deputy High Commission, British Council,	15 <sup>th</sup> and 16 <sup>th</sup> April
34.	2001	Seminar on “Novel Neuroactive Molecules in Helminth Parasites” by Prof.D.W. Halton Queens University of Belfast, UK.	Organized by Prof. P. Ramasamy, Department of Biotechnology, University of Madras, funded by British Deputy High Commission, British Council, Chennai	10 <sup>th</sup> April
35.	2000	Workshop on “Immunity and Inflammation: Demonstration of Antigens in Tissue Sections	” Organized by by P. Ramasamy and Dr. R.E.B. Hanna, Queens University of Belfast, UK.	8 <sup>th</sup> and 9 <sup>th</sup> December
36.	1999	Seminar on “Trends in Molecular Biology and Biotechnology”	Organized by P. Ramasamy, funded by British Deputy High Commission, British Council, Chennai.	August 20
37.	1996	Workshop on “Applications of Electron Microscopy and Cytochemical Techniques in the Diagnosis of Fish Diseases”	Organized by P. Ramasamy & Dr. G.P. Brennan, Queens University of Belfast, UK. Sponsored by Department of Biotechnology, New Delhi, Government of India	21 days programme

## 12. International academic exposure

S.No.	Post/ Assignment	Organization / University	Nature of duty	Duration		In Years & Months
				From	To	
<b>International visits as part of SBMCH</b>						
1.	Director- Research and Lead Researcher	Praque, Czech Republic and Bethesda, U.S.A.	Research Collaborative Visits and discussion with Prof. Dayanithi, G and his team Prof.K.Eva at Praha, Czeck Republic. Also visited Prof.Shmuel Mullam, Prof.Indu and delivered guest lectures at National Institute of Health, Bethesda, USA on 15-17 <sup>th</sup> April 2018	9 <sup>th</sup> Apr20 18	29 <sup>th</sup> Apr20 18	Twenty days
2.	Director- Research and Lead Researcher	U.S.A.	Research Collaborative visits	27 <sup>th</sup> Jun 2016	29 <sup>th</sup> Jul 2016	One month
<b>International academic and research exposure – Other than SBMCH</b>						
3.	Post doctoral Research Fellow, Government of India Overseas Scholarship program	Queen's University of Belfast, UK	Biology, Zoology- Parasitology Ultrastructure, Cell -Research	6 <sup>th</sup> Dec 1982	8 <sup>th</sup> Dec 1984	2 years
4.	Post doctoral Research Fellow,	CNRS Laboratories, Bordeaux, France	Visited and interacted with Scientists	8 <sup>th</sup> April 1984	14 <sup>th</sup> April 1984	6 days
5.	COSTED Travel fellowship and Reader in the Dept of Zoology, University of Madras	National University of Singapore, Singapore	Presentation of research papers and participation in VI Asian Fisheries Forum/one week	25 <sup>th</sup> Oct 1992	31 <sup>st</sup> Oct 1992	One week
6.	Coordinator of ALIS Link Programme in the field of parasitic Diseases of Fish (ODA ALIS Scheme),	Honorary Research Fellow, Queen's University of Belfast, Northern Ireland, UK	Diseases of fish, Biotechnology, Cloning- sequencing, molecular biology- research	1 <sup>st</sup> May 1993	July 1993	Three months

	British Council-UGC New Delhi, Academic exchange program) and Reader in the Dept of Zoology, University of Madras					
7.	Coordinator of ALIS Link Programme and Reader in the Dept of Zoology, University of Madras	Honorary Research Fellow, Queen's University of Belfast, Northern Ireland, UK	Diseases of fish, Biotechnology, Cloning-sequencing, molecular biology-research	3 <sup>rd</sup> June 1994,	August 1994	Three months
8.	Coordinator of ALIS Link Programme and Reader in the Dept of Zoology, University of Madras	Honorary Research Fellow, Queen's University of Belfast, Northern Ireland, UK	Diseases of fish, Biotechnology, Cloning-sequencing, molecular biology-research	10 <sup>th</sup> May 1995,	July 1995	Three months
9.	Coordinator of HEL-Higher Education Link Programme - British Council, UK, - sponsored for 3 yrs- and Professor in the Dept of Zoology, University of Madras	Honorary Research Fellow, Queen's University of Belfast, Northern Ireland, UK	Development of techniques to monitor genetically engineered microbes in aquaculture environment	3 <sup>rd</sup> May 1998,	July 1998	Three months
10.	Coordinator of HEL-Higher Education Link Programme and Professor in the Dept of Zoology, University of Madras	Honorary Research Fellow, Queen's University of Belfast, Northern Ireland, Northern Ireland, UK	PCR, genome Sequencing, gene expression	7 <sup>th</sup> April 1999	July 1999	Three months
11.	Coordinator of HEL-Higher Education Link	Honorary Research Fellow, Queen's	PCR, genome Sequencing, gene expression	11 <sup>th</sup> May 2000	July 2000	Three months

	Programme and Professor in the Dept of Zoology, University of Madras	University of Belfast, Northern Ireland, UK				
12.	Professor and Head, Dept of Biotechnology, University of Madras-Yangon University, Myanmar sponsored by Educational Consultants India Limited EdCIL House, Government of India,	Visiting Professor, Yangon University, Myanmar, Burma	Partial supervision of Ph.D. scholars at University of Yangon. Research supervision and promotion of teaching and research	13.11.2005	12.12.2005	One month
13.	Leader of the Indian team of Vice-Chancellors and Professors, 6th Education Mission to the Republic of China during March 2009,	India China Alliance Centre (ICAC), New Delhi New Delhi-110014, India,	6th Education Mission to China and the Universities in China, Higher education, visited over 10 Universities in China, explored the scope for MoU with selected Chinese Universities.	22 March, 2009	28 March, 2009	10 days
14.	Vice Chancellor of the Alagappa University	Malaysia,	To promote/expand higher education through e-learning and distance education mode	12-6-2009	16-6-2009	4 days
15.	Vice Chancellor of the Alagappa University	Singapore,	To promote/expand higher education through e-learning and distance education mode	6-6-2009	7-6-2009	2 days
16.	Vice Chancellor of the Alagappa University	UAE -Dubai, Abudabi, Bahrain	To promote/expand higher education through e-learning and distance education mode	6-12-2009	16-12-2009	10days
17.	Vice Chancellor of the Alagappa	UAE-Dubai, Abudabi, Bahrain	To promote/expand higher education	30-1-2010	10-2-2010	11days

	University		through e-learning and distance education mode			
18.	Vice Chancellor of the Alagappa University	Kingdom of Saudi Arabia.	To promote/expand higher education through e-learning and distance education mode	6-12-2009	8-12-2009	3 days
19.				27-1-2010	10-2-2010	12 days

### 13. Countries visited for academic interaction, conference, part of delegation, etc.,

S. No.	Name of the Country & City	Organization/ University Visited	Nature of duty	Period	
1.	UK, Northern Ireland, Belfast,	Honorary Research Fellow, Queen's University of Belfast, UK	ODA ALIS Link Programme, U.K, (British Council-UGC New Delhi sponsored)	May 1993,	July 1993

### 14. Industrial Consultancy project

S.No.	Client/Organisation's Name	Nature of Assignment	Duration of assignment	Amount in rs.
<b>Consultancy projects executed at SBMCH</b>				
1.	M/s. Cologenesis Healthcare Pvt. Ltd. Salem	To check and validate the healing potential of a novel collagen based Nitric oxide dipped wound dressing in chronic non-healing wounds.	2015-17	7,80,000.00
2.	M/s. Cologenesis Healthcare Pvt. Ltd. Salem	To evaluate the efficacy of a novel collagen based nitric oxide (NO) wound healing dressing in infected-diabetic /non-infected diabetic full thickness wound in mice animal model.	2015-16	3,07,500.00
3.	M/s. Cologenesis Healthcare Pvt. Ltd. Salem	Development, production and validation of a novel cost effective human amniotic membrane wound dressing for ocular and dermal applications.	2016-17	1,50,000.00
<b>Consultancy projects executed prior to SBMCH (before 2015)</b>				
4.	MIL Industries (Aquaculture Division), Consultancy Work –M/s.MIL Industries, Chennai	Periodic monitoring of diseases in shrimp farms	1996-1997	Rs.1,50,000/-
5.	Consultancy Work – M/s.S&S Industries and Enterprises Ltd. – (Aquaculture Division), Chennai	Periodic monitoring of diseases in hatcheries and shrimp farms	1996-1997	Rs.1,00,000/-
	<b>Total</b>			<b>Rs.1337500.00</b>

### Sponsored Research project:

S.No	Title of the Project	Sponsor Name	Duration of project	Amount of grant (Rupees)	PI or CoPI
1.	Establishment of Bioinformatics Infrastructure	DBT, Govt. of India	2006-07	Rs. 20 lacs	PI

	Facility (BIF) for the promotion of Biology Teaching through Bioinformatics				
2.	FIST Programme – 2005	DST, Govt. of India	2005	Rs.25 lacs	PI
3.	One-time financial support to two yrs. M.Sc. Biotechnology teaching programme	DBT, Govt. of India	2004	Rs.30 lacs	PI
4.	10 <sup>th</sup> Plan – UGC	UGC, Govt. of India	2004	Rs.11 lacs (Equipment Rs.3 lacs + Building Rs.8 lacs)	PI
5.	Construction of Biochem and Biotechnology Building	Under the UGC – Potential for the excellence programme	2004	Rs.1,95,68,000/-	PI
6.	Establishment of Bioinformatics Infrastructure Facility (BIF) for the promotion of Biology Teaching through Bioinformatics	DBT, Govt. of India	2006-07	Rs. 20 lacs	PI
7.	FIST Programme – 2005	DST, Govt. of India	2005	Rs.25 lacs	PI
8.	One-time financial support to two yrs. M.Sc. Biotechnology teaching programme	DBT, Govt. of India	2004	Rs.30 lacs	PI
9.	10 <sup>th</sup> Plan – UGC	UGC, Govt. of India	2004	Rs.11 lacs (Equipment Rs.3 lacs + Building Rs.8 lacs)	PI
10.	Construction of Biochem and Biotechnology Building	Under the UGC – Potential for the excellence programme	2004	Rs.1,95,68,000/-	PI
11.	Genome Sequence of Monodon Baculovirus of Shrimp	UGC, Govt. of India	2003-2006	Rs.6,04,560/- + one project associate / fellow	PI
12.	Identification of a novel herbal drug targeting protein(s) and gene(s) of whitespot syndrome virus of shrimp	UGC – Institute of Herbal Sciences	2003-2006	Rs.4,50,000/-	PI
13.	Development of Thermophilic Microbes as a source for novel toxins / polymers for biotechnological applications	DRDO (DRDE, Gwalior)	2003-2004	Rs.5,00,000/-	PI
14.	An integrated approach for development of toxins – biochips biosensor systems for accurate, real-time in-situ analyses	DRDO, Govt. of India	2003-2004	Rs.5,00,000/-	PI
15.	Identification of a novel herbal drug targeting protein(s) and gene(s) of whitespot syndrome virus of shrimp	UGC – Institute of Herbal Sciences	2003	Rs.2,66,000/-	PI
16.	Monitoring of microbial pollutants in coastal aquacultural system using marine herbs	UGC – Institute of Herbal Sciences	2002-2003	Rs.7,18,200/-	PI
17.	Development of antinarcotics products	UGC – Institute of Herbal Sciences	2002-2003	Rs.4,93,200/-	PI
18.	Construction of Biotech block#	UGC, Govt. of India	2001	Rs.7,50,000/-	PI

19.	Genome and antigen characterization of whitespot baculovirus of shrimp for development of rapid diagnostic methods	DBT, Govt. of India	1998-2001	Rs.85.01 lacs (Rs.28.21 lacs)	PI
20.	Development of techniques to monitor genetically engineered microbes in aquaculture environment (Higher Education Link Programme)	British Council, U.K.	1998-2000	India – UK – Visit 1998-£2470 1999-£2230 2000-£2540 Seminar 1999- Rs.34,000/- 2000 – Rs.1,08,000 (for the purchase of a microscope) UK – India – Visits 1999-£1340 £1160 2001-£1180 Local Transport Charges Rs.30,898/-	PI
21.	Consultancy Work – M/s. MIL Industries – Periodic monitoring of diseases in shrimp farms	MIL Industries (Aquaculture Division)	1996-1997	Rs.1,50,000/-	PI
22.	Consultancy Work – M/s. S&S Industries and Enterprises Ltd. – Periodic monitoring of diseases in hatcheries and shrimp farms	S&S Industries (Aquaculture Division)	1996-1997	Rs.1,00,000/-	PI
23.	Applications of Electron Microscopy and Cytochemical Techniques in the diagnosis of Fish Diseases	DBT, New Delhi	1996	Rs.2,47,844/-	PI
24.	A molecular probe for deciphering the properties of biopolymers involved in the synthesis of egg capsule proteins – helminthes	UGC, Govt. of India	1995-1998	Rs.5,49,500/- + one project associate / fellow	PI
25.	A molecular probe for the rapid diagnosis and epidemiology of viral diseases of culturable species of prawns <i>Penaeus</i> spp. And <i>Metapenaeus</i> spp.	DBT, Govt. of India	1995-1998	Rs.13.57 lacs (Rs.6,65,295)	PI
26.	Establishment of ALIS Link Programme in the field of parasitic Diseases of Fish (ODA ALIS Scheme)	UGC – New Delhi – British Council, U.K.	1993-1995	Approved for three years with three visits from each side ( UK – India –India – UK) (India – UK – Visit) Air fare 1993 – Rs.43,152/- 1994 – Rs.51,947/- 1995) 1993- 1994 – 1995 - £2300 UK – India – Visit 1995 - £ 1180 Local Transport Charges Rs.30,898/- £12000	PI
27.	Faunistic survey and niche biology of monogeneans of India	UGC, Govt. of India	1989-1991	Rs.65,675 + One JRF	PI
28.	Award of Biotechnology National Associateship,	DBT, Govt. of India	1990-1991	Rs.52,000/-	

	Government of India				
29.	Scholarship to study abroad 1981	Govt. of India, Ministry of Education and Culture	1982-1984	\$6000 per annum (\$12,000 for two years)	
	Total Rs=45740976+£42040(Rs.89.29)				49495050

Establishment of Centres / FIST Projects / TBI etc.,

S. No.	Title	Sponsor Name	Duration	Amount of Grant (Rupees)	Role
1)	FIST –DST Programme – 2005	DST, Govt. of India	2005	Rs.25 lacs	PI
2)	Establishment of Bioinformatics Infrastructure Facility (BIF) for the promotion of Biology Teaching through Bioinformatics	DBT, Govt. of India	2006-07	Rs. 20 lacs	PI
3)	One-time financial support to two yrs. M.Sc. Biotechnology teaching programme	DBT, Govt. of India	2004	Rs.30 lacs	PI
4)	Establishment of ALIS Link Programme in the field of parasitic Diseases of Fish (ODA ALIS Scheme)	UGC – New Delhi – British Council, U.K. Government	1993-1995	Approved for three years with three visits from each side (UK – India –India – UK)	PI
5)	Development of techniques to monitor genetically engineered microbes in aquaculture environment (Higher Education Link Programme)	British Council, U.K. . Government	1998-2000	India – UK –three academic Visits, Seminar. UK – India –three academic Visits	PI

### 15. Editorial responsibilities and scientific reviewers position

Editor in chief	<p>I. Indian Journal of Clinical and Non-clinical Case Studies (ijncsonline.com)EISSN:2456-8163,Vol.1.Issues, 1, 2 &amp;2018. Iss 3</p> <p>II. Research Journal of Medical and Allied Sciences (rjmasonline.com),2017. Vol 1&amp;2 Issues, 1, &amp;2</p>
Editor	<p>I. Journal of Enzymology</p> <p>II. Journal of clinical case reports and Images</p> <p>III. Frontiers in Genetics</p> <p>IV. Frontiers in Cell and Developmental Biology</p>
Editorships	<p><b>Edited the abstract book of the international conference on:</b></p> <p>I. International conference on “Recent advances in modern medicine: molecular signalling scenarios in tissues and diseases “RAMM-2016, 2016, Abstracts, (Book). (P. <b>Ramasamy</b>, Convener), Pages 1-115.ISBN978-93-5268-058-0</p> <p>II. Recent trends in stem cells and regenerative medicine -RTSRM, 2017, isbn 978-93-5281-196-0</p>
Editorial Board	<p>I. Journal of Enzymology</p> <p>II. Journal of Fisheries Science</p>
Peer reviewer for	<p>I. Biosensor and Bioelectronics</p> <p>II. Virus Research,</p> <p>III. Virus Genes,</p> <p>IV. Aquaculture,</p> <p>V. African Journal of Agricultural Sciences,</p> <p>VI. African Journal of Biotechnology,</p> <p>VII. African Journal of Microbiology,</p> <p>VIII. Proteomics</p>



	IX. Journal of Enzymology
	X. Journal of Aquaculture

## 16. Conference Presentations

S.No.	Authors name	Title of Paper	Journal Name with Vol, year
<b>Conference presentations affiliated to SBMCH</b>			
1.	"P. Ramasamy	International conference on "Recent advances in modern medicine: molecular signalling scenarios in tissues and diseases"	RAMM-2017, Abstracts Book+, (ISBN 973-93-5263-058-0),, Pages 1-115. 2017
2.	K. Mohankumar* <sup>©</sup> P. Ramasamy <sup>≠</sup> ,	Immunodiagnosics and (2-de) protein expression patterns of MBV infected <i>Penaeus monodon</i> .	"International conference on "Recent advances in modern medicine: molecular signalling scenarios in tissues and diseases+ "RAMM-2016. P.66 (ISBN 973-93-5263-058-0),,
3.	"K. Mohankumar* P. Ramasamy.	Molecular diagnosis of mbv: PCR and DNA sequence analysis of polyhedrin, gp41 and vp39 genes of mbv of <i>penaeus monodon</i> .	International conference on "Recent advances in modern medicine: molecular signaling scenarios in tissues and diseases+ "RAMM-2016. P.60 (ISBN 973-93-5263-058-0),, 2017
4.	"K. Mohankumar* P. Ramasamy.	Molecular diagnosis of mbv: PCR and DNA sequence analysis of polyhedrin, gp41 and vp39 genes of mbv of <i>penaeus monodon</i> .	International conference on "Recent advances in modern medicine: molecular signaling scenarios in tissues and diseases+ "RAMM-2016. P.60. (ISBN 973-93-5263-058-0),, 2017
<b>Conference presentation prior to SBMCH (before 2015)</b>			
5.	P. Srinivasan* and P. Ramasamy.	Bio-control effects of <i>Vibrio mimicus</i> phages against Vibriosis from shrimp aquaculture environment of South India.	Global Conference on Aquaculture 2010, held at Bangkok 10903, Thailand during 9-12 June 2010.
6.	P. Srinivasan* and P. Ramasamy.	Inhibitory effects of <i>Vibrio</i> phages against bacterial diseases from shrimp industry in South India..	World Tamil Conference 2010, held at Coimbatore, Tamil Nadu during 9-12 June 2010
7.	K. Rajaguru, V. Suryanarayanan, P. Srinivasan*, P. Rameshthangam, R. Manikandan P. Ramasamy.	Inhibition of <i>Vibrio</i> species by medicinal plants through molecular docking studies.	World Tamil Conference, held at Coimbatore, Tamil Nadu, 9-12 June 2010.
8.	P. Rameshthangam, P. Srinivasan and P. Ramasamy.	Prevention and Control of White Spot Syndrome Virus in Shrimp.	World Tamil Conference, held at Coimbatore, Tamil Nadu during June 9-12 2010.
9.	P. Ramasamy, D. Gajalakshmi, S. Jayashree, and D. Nedumaran	. A novel glassy carbon immunosensor for rapid detection of <i>Salmonella typhimurium</i> . Book of Abstracts No.IT27;	International Conference on Nanosciences and Nanotechnology (ICNSNT 2006; August 26-28, 2006). Organized by the Center for Nanoscience and Nanotechnology, University of Madras, Chennai – 600 025.2006.
10.	Arunachalam, D., Nitish, S., Ramasamy, P., Hong, D., Sivakumar, M. and Gunasekaran,	Antibiotic-Impregnated Collagen for the Treatment of Periodontitis: A Multi-Center Clinical Trial. 2002.	Proceedings of the "American Academy of Periodontology", held at New Orleans, on 23-27 September 2002, Louisiana, USA.

	S.		
11.	Arunachalam, D., Ramasamy, P. Hong, D., Gunasekaran, S., Nitish, S. and Neelambar Reddy	Evaluation of clinical efficiency of a novel bioresorbable periodontal local drug delivery system and documentation of the multi-modal controlled release dynamics of the active antibacterial ingredient from the carrier vehicle (collagen matrix) of the product. Asian Society of Periodontal diseases:	In: The New Millennium Challenges in Periodontology in the Asia Pacific Region Ed by B.M. Bartold, I. Ishikawa & T.B.T. Ali, 2001. P134*.
12.	Jayakumar, R. And Ramasamy, P.	Prevalence, biotyping and resistotyping of <i>Pseudomonas</i> spp. And <i>Vibrio</i> sp isolated from <i>Penaeus indicus</i> of Ennore Estuary, Madras, India.	Proceedings of Third Asian Fisheries Forum, Singapore. Edited by Chou, L.M., Munro, A.D., Lam. T.J. Chen, T.W. Cheong, L.K.K., Ding, J.K., Hooi, K.R., Khoo, H.W., Phang, V.E. Shim, K.F., and Tan, C.H. 1994. pp 335-338.
13.	Jayakumar, R., and P. Ramasamy.	Prevalence, biotyping and resistotyping of <i>Pseudomonas</i> spp and <i>Vibrio</i> sp isolated from <i>Penaeus indicus</i> of Estuarine Waters of Ennore, Madras, Chennai,	Third Asian Fisheries Form, Asian Fisheries Society, Philippines, Manila. Edited by Chou.I.M., Munro, A.D., Lam.T.J., Chen, T.W., Cheong, I.K.K, Ding, J.K., Hooi, K.K., Khoo, H.W., Phang, V.P.E., Shun, K.F& Tan, C.H., 1992. pp:335-338.
14.	Ramasamy, P., Hanna, R.E.B. and L.T. Threadgold.	Scanning and transmission electron microscopic observations of the ultrastructure of the tegument of a monogenean <i>Vallisnia indica</i> Unnithan, 1962.	British Society for Parasitology confencee, held at Bristol, 1984, Parasitology* 1984; 89, 51.
15.	Ramasamy, P. and R.E.B. Hanna.	The surface topography of monogeneans <i>Heterapta chorinemi</i> , <i>Bicotyle vellavoli</i> , <i>Pricea multae</i> , <i>Pseudothoracocotyla indica</i> and <i>Lithocoyla indica</i> .	British Society for Parasitology confencee, held at Bristol, 1984, Parasitology* 1984; 89:19-20.
16.	Ramasamy, P. and Ramalingam K.	Niche biology of gill parasites (Monogenea and Copepoda) of Teleosts ( <i>Scomberoides</i> spp.).	British Society for Parasitology confencee, held at Salford in 1983, Parasitology*. 1983; 87:12.
<b>National level events</b>			
1.	Srinivasan, P. and Ramasamy, P.	“Effect of pH, temperature, enzymes, organic solvents and detergents in the survival and infectivity of <i>Vibrio</i> bacteriophages.	Conference on Microbiology of the Tropical Seas (COMITS) , National Institute of Oceanography+, Goa India during 13th – 15th December, 2004.
2.	Srinivasan, P., Vaseeharan, B. and Ramasamy, P..	“ <i>Vibrio</i> Bacteriophages Control the Growth of Bacterial Populations in the Aquatic environment”.	The Sixth Indian Fisheries Forum organized by Central Institute of Fisheries Education+, Versova, Mumbai – 400 061, India, during 17th – 20th December 2002. pp. 107.
3.	Aruna Sharmili, S., Krishnika, A. and <b>Ramasamy, P.</b>	Microbial pollution along the coromandal coastal aquaculture regions of the Bay of Bengal.	The Sixth Indian Fisheries Forum, on 17-20 December 2002, pp. 125.
4.	¶ Krishnika, A. and <b>Ramasamy, P.</b>	<i>Lagenidium</i> sp. Infections and its control in the larval stages of the freshwater prawn <i>Macrobrachium rosenbergii</i> .	The Sixth Indian Fisheries Forum, on 17-20 December 2002, pp. 144
5.	Krishnika, A. and <b>Ramasamy, P..</b>	Bacterial diseases in the hatchery system of freshwater prawn, <i>Macrobrachium rosenbergii</i> , and their control measures.	The Sixth Indian Fisheries Forum, on 17-20 December, 2002, pp. 147
6.	Sakthivel, V., Jayakumar, R., Vaseeharan, B. and <b>Ramasamy, P.</b>	PCR – based detection of white spot syndrome virus in post-larvae of <i>Penaeus monodon</i> .	The Sixth Indian Fisheries Forum, on 17-20 December 2002, pp. 150

7.	Rameshthangam, P. and <b>Ramasamy, P.</b>	Protein profiles in White Spot Syndrome Virus (WSSV) infected <i>Penaeus monodon</i> .	The Sixth Indian Fisheries Forum, on 17-20 December 2002, pp. 151.
8.	Mohankumar, K. and <b>Ramasamy, P.</b>	Protein profiles in White Spot Syndrome Virus (WSSV) infected tissues of <i>Penaeus indicus</i> .	The Sixth Indian Fisheries Forum, on 17-20 December 2002, pp. 152.
9.	Arunasharmili, S., Krishnika, A. and <b>Ramasamy, P.</b> 2002	Effect of the extracts of seaweeds on the aquaculturally important bacteria – <i>Escherichia coli</i> , <i>Vibrio</i> spp. Heterotrophic bacteria and <i>Salmonella</i> spp.	The Sixth Indian Fisheries Forum, on 17-20 December 2002, pp. 154.
10.	<b>Ramasamy, P.</b> , Vaseeharan, B. and Jayakumar, R.	Genome analysis of the Indian White Spot Syndrome Virus (WSSV) and detection in the post-larvae, juvenile, subadult and brooders of <i>Penaeus monodon</i> / <i>Penaeus indicus</i> .	The Sixth Indian Fisheries Forum, on 17-20 December 2002, pp. 264.
11.	¶G.P. Brennan, Ramasamy, P., A.G. Maule, D.W. Halton and C. Shaw.	Neuroactive substances in monogenean parasites of marine and fresh water fish.	In: Nutrients and bioactive substances in aquatic organisms+ Ed. By K. Devadasan et al., Papers presented in the symposium held at Cochin, India 16-17 Sept 1993. Organized by Society of Fisheries Technologies (India), Cochin. 1994; Pp 136-143.
<b>Others</b>			
1.	Ramasamy, P. and Brennan, G.P.	Phage therapy in aquaculture system.	In: Trends in Biotechnology, University of Madras, Publication Division+, India. 2002; pp. 53-60.
2.	¶Ramasamy, P.	Strategies of research on the whitespot syndrome viral diseases of shrimp.	In: Trends in Biotechnology, University of Madras, Publication Division+, India. 2002. Pp.61-82.
3.	Ramasamy, P.	Two-dimensional chromatographic separation of free and bound amino acids.	In: Manual of research methods for crustacean biochemistry and physiology. (Ed. M.H. Ravindranath) CMFRI. Special Publication+, Cochin, India. 1981; 7:123-126.
4.	Ramasamy, P.	School of Life Sciences,	University News, A Weekly Journal of Higher Education+, 2006, Vol. 44(36), pp (156-161), September 04-10, 2006.

### 17. Honors /Awards & Fellowships for Outstanding work:

S.No.	Name of Award or Fellowship	Elected/Honorary Fellow	Awarded by	Year of Award
1.	76 <sup>th</sup> Indian Science Congress at Madurai Kamaraj University award for outstanding Contribution in the field of Natural Sciences for the year 2003-04, 2007.	Elected Fellow	Madurai Kamaraj University	2007.
2.	Honorary Colonel NCC and Colonel Commandant NCC Award, 9(TN) B11 NCC, Karaikudi, Govt. of India,	Honorary Fellow	President of india	2008-09
3.	Distinguished Aluminums Award – Alumni Association, Jamal Mohamed College,	Elected Fellow	Alumni Association, Jamal Mohamed College	2007

	Tiruchirappalli			
4.	Distinguished Aluminums Award – Alumni Association, Periyar EVR College,, Tiruchirappalli –	Elected Fellow	Alumni Association	20017
5.	Life Time Achievement Award -International Association of Educators for World Peace	Honorary	International Association of Educators for World Peace	(2007).
6.	Honorary Research Fellow, The Queen’s University, Belfast,	Honorary	Queen’s University, Belfast	2000
7.	Honorary Research Fellow, The Queen’s University, Belfast,	Honorary	Queen’s University, Belfast	1999
8.	Honorary Research Fellow, The Queen’s University, Belfast,	Honorary	Queen’s University, Belfast	1998
9.	Honorary Research Fellow, The Queen’s University, Belfast,	Honorary	Queen’s University, Belfast	1995
10.	Honorary Research Fellow, The Queen’s University, Belfast,	Honorary	Queen’s University, Belfast	1994
11.	Honorary Research Fellow, The Queen’s University, Belfast,	Honorary	Queen’s University, Belfast	1993
12.	Honorary Research Fellow, The Queen’s University, Belfast,	Honorary	Queen’s University, Belfast	1982-84,
13.	Government of India Overseas Scholarship Award	Elected Fellow	Government of India	– 1982
14.	Government of India DBT National Associate ship Award,	Elected Fellow	Government of India DBT	1990-91
15.	Meritorious Student Award , Government of Tamilnadu,	Elected Fellow	Government of Tamilnadu	1972
16.	British Government ALIS,	Elected Fellow	British Government ALIS	1993.
17.	British Government HEL Program DFID,	Elected Fellow	British Government HEL Program DFID	1998
18.	Visiting Professor, Yangon University, Myanmar,	Elected Fellow	Yangon University, Myanmar, sponsored by Educational Consultants India Limited EdCIL House, Government of India,	2005

**18. No. of Research Scholars (Ph.D) successfully guided:**

S. No.	Name of scholar	Affiliated University/ Institute	Awarded / Under guidance	Main Guide or Co-Guide
1)	Dr.R. Jeyakumar	University of Madras	Awarded	Prof.P. Ramasamy Main Guide
2)	Dr. B. Vaseekaran	University of Madras	Awarded	Prof.P. Ramasamy Main Guide
3)	Dr. T. Srinivasan	University of Madras	Awarded	Prof.P. Ramasamy Main Guide

4)	Dr. Ramesh Thangam	University of Madras	Awarded	Prof.P. Ramasamy Main Guide
5)	Dr. Palmy Rose Rajan	University of Madras	Awarded	Prof.P. Ramasamy Main Guide
6)	Dr.K. Mohan Kumar	University of Madras	Awarded	Prof.P. Ramasamy Main Guide
7)	Dr. P. Balasubramanian	University of Madras	Awarded	Prof.P. Ramasamy Main Guide
8)	Dr. Mercy Valarmathi	University of Madras	Awarded	Prof.P. Ramasamy Main Guide
9)	Dr.A. Krishnika	University of Madras	Awarded	Prof.P. Ramasamy Main Guide
10)	Dr. Aruna Sharmili	University of Madras	Awarded	Prof.P. Ramasamy Main Guide
11)	(Late) Dr.(Mrs). Kasthuri Stalin	University of Madras	Awarded	Prof.P. Ramasamy Main Guide
12)	Dr. Win Win Maw	Yangon University, Myanmar	Awarded	Prof.P. Ramasamy partial supervision
13)	Dr. Nila	Yangon University, Myanmar	Awarded	Prof.P. Ramasamy partial supervision
14)	Dr. Cho Cho	Yangon University, Myanmar	Awarded	Prof.P. Ramasamy partial supervision