

FACULTY PROFILE



1. Name : Dr. G. Ayyappadasan
2. Designation : Assistant Professor
3. Date of Joining : 21.12.2010
4. Nature of Association : Regular
5. E mail : ayyappadasan07@gmail.com
ayyappadasan@ksrct.ac.in

6. Mobile no. : +91 9944528382

7. Academic Qualification

Degree	Institution	Year of Passing	Marks
Ph.D (Bio technology)	Anna University, Coimbatore	2017	Highly Commended
M.Tech (Industrial Bio Technology)	SASTRA university Thanjavur	2009	9.3175 (CGPA)
B.Tech (Industrial Bio technology)	Kamaraj College of Engineering & Technology, Virudhunagar	2007	77%
HSC	K.V.S.Higher. Secondary School, Virudhunagar	2003	86%
SSLC	K.V.S.Higher. Secondary School, Virudhunagar	2001.	85.8%

8. Foreign Visits

- ❖ Bangkok, Thailand
- ❖ Lumbini, Nepal

9. Ph.D., Research Experience

Title of the Ph.D. Thesis : Studies on antioxidant activities of lichens for Biomedical Applications

10. Working Experience

S.No.	Name of the Company / Institutions	Designation	Duration	Job profile
1.	K.S.Rangasamy College of Technology, Tiruchengode, Tamil Nadu, India.	Assistant Professor	1 st May, 2014 to till date	To handle the classes for both UG and PG programmes Research enhancement
2.	K.S.Rangasamy College of Technology, Tiruchengode, Tamil Nadu, India.	Senior Research Fellow (ICMR Project Fellow) (ICMR No. 59/14/2008/BMS/TR M dated 17-03-2011).	20 th April, 2011 to 30 th April, 2014 (3 Years)	Worked as Research Scholar for ICMR funded project entitled "Evaluation of antioxidant properties of lichens obtained from Eastern Ghats for Biomedical applications"
3.	K.S.Rangasamy College of Technology, Tiruchengode, Tamil Nadu, India.	Assistant Professor	21 st December, 2010 to 19 th April 2011 date (04 Months)	To handle the classes for both UG and PG programmes Research enhancement
4.	Bioscreen Instruments Pvt Ltd, Vasi, Navi Mumbai	Application Specialist	Aug 17 th 2009 to 20 th December 2010. (1 Years and 4 Months)	Optimizing the protocol of the different assay related to drug discovery.

11. List of Ongoing Funded Projects

S.No.	Title of the Project	Name of the Funding agency with reference No.	Amount (Rs.)
1.	Foldscope visualization of pathogenic virulence of household vectors for disease control (PI)	DBT, New Delhi, No. BT/IN/Indo-US/Foldscope/39/2015 dated 20.03.2018	4,00,000/-
2.	Diversity and documentation of various attributes in lichen species using foldscope for predictive healthy forest through fuzzy with ANN model (PI)	DBT, New Delhi No. BT/IN/Indo-US/Foldscope/39/2015 dated 20.03.2018	8,00,000/-
3.	Bioinformatics approach for inhibition of toxic action of Russel's viper venom PLA 2 by Lichen compounds validated through Albino Wistar rats model (Co-PI)	Indian Council of Medical Research, New Delhi No. 58/18/2015-TFV/BMS dated 16.02.2018	26,49,000/-

4.	Training and demonstration of novel Dehulling machine of minor millets and paddy for the production of unpolished healthy rice among Shevroy and Kolli hills tribes in Tamil Nadu	TNSCST/DIT/Grant release/16/VR/2018-2019/7076	50,000 /-
5.	Assistance to publication in Tamil on Noonanrithiran	TNSCST/PUB /AR/2018- 2019/7152	20,000/-

12. List of Completed projects

S.No.	Title of the Project	Name of the Funding agency with reference No.	Amount (Rs.)
1.	Pharmacological evaluation of anticancerous compounds obtained from Lichens using animal methods (PI)	UGC, New Delhi F.No: 4-4 /2014-15 (MRP-SEM/UGC-SERO)	3,50,000/-
2.	Evaluation of bone density of various Saudi Arabian Dates fruits in an animal model (CO-PI)	Majmaah University, Majmaah, Saudi Arabia.	1,50,000/-

13. List of project submitted for funding

S.No	Title of the project	Name of Organization	Status
1.	Design and fabrication of washable agri-diaper with monitoring system for new born child with antifungal property.	DST-NIDHI	In progress
2.	Development of zonal level portable heritage museum using 3d virtual preservation as conservation perspective for historical India.	Science and heritage research initiative (SHRI)	In progress
3.	Synchronization and tackling of microclimatic disturbance involved in impaired fecundity through neuronal fuzzy aided biological analysis of human population in intra region of Tamil nadu, India.	ICMR	Full length proposal submitted

4.	Biotechnological convergence of genetically engineered gene pattern for elite clonal breeding with improved curcuminoid of Indian turmeric (<i>curcuma longa</i> L.) Germplasm.	ICMR-NASF	In progress
5.	Evaluation of immunomodularity effect of UV absorbing compounds from lichens on cancer induced rat model.	DAE, BRNS, Mumbai	In progress

14. Awards & Responsibility

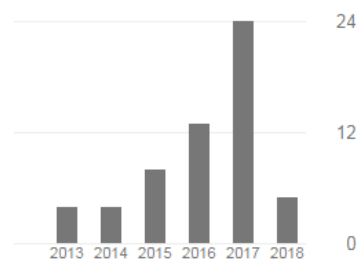
- ❖ Received **Summer Research Fellowship 2018** from the Indian Academy of Science, Bengaluru for research project at Centre for Bioinformatics, Pondicherry University, Puducherry.
- ❖ Received **QIP Research Fellowship 2019** for a two months period at IIT Delhi.
- ❖ Received **Best Scientist Award** from Nature Science Foundation, Coimbatore in the field of Science & Technology
- ❖ Received a sum of Rs. 7,39,200/- as “**Senior Research Fellow**” (SRF) from Indian Council of Medical Research (ICMR), New Delhi to carry out the research project for the duration of three years (2011-2014).
- ❖ Involved in **establishment of Animal House Facility** as per the CPCSEA, New Delhi as well as **Scientist in-charge** of Animal House Facility at K.S.Rangasamy College of Technology, Tiruchengode.
- ❖ Received an **Industrial sponsored project of Rs. 50,000/-** from Enrico Bioprospects, Madurai for the development of tissue culture products
- ❖ Act as **Industrial consultant** in bioproduct development at Mothi Biolabs and Vishra Agrosales, Virudhunagar for machinery development for last five years
- ❖ Given responsibilities to act as **Clean India coordinator** in our institute to empower the clean campus for the vision of clean India
- ❖ Involved in **Biotechnologists** role in the Human Ethical Committee members at K.S.R.Dental Science and Research, Tiruchengode.
- ❖ **Subject Expert panel members** in the interview process of staff selection committee at Department of Biotechnology, K.S.Rangasamy College of Technology, Tiruchengode
- ❖ Secured **Second prize** in international conference in **Junior Competition Award** on the research topic “Lichen derived substances – Environmental impacts held at

Srivenkateswara University, Tirupathi, Andhra Pradesh during 20-22nd December 2012.

- ❖ Received Thiru M.S.P.K. Periasamy Nadar **Endowment Gold Medal** for securing the first rank in Maths in the S.S.L.C Public Examination, April,2001.
- ❖ Secured University **First mark** in the subject Enzyme Engineering and obtained merit certificate at SASTRA University examination held in November2007.
- ❖ Secured University **First mark** in the subject Process Calculations and obtained merit certificate at SASTRA University examination held in November2007.
- ❖ Obtained the award of **Nadaka Selvar** for securing Third place in State level skit competition offered by Thamailziah Kalvi Kalakam, Thiruvaiaru, Thanjavur on 27thFebruary,2005.
- ❖ Won **100% result** for handling subject Tissue Engineering, Human Physiology and Anatomy and Cancer Biotechnology for UG and PG Students

15. Publications and Citations

Cited by	Cited by	
	All	Since 2013
Citations	60	60
h-index	5	5
i10-index	1	1



1. Ponmurugan, P. **Ayyappadasan, G.** 2017, Characterization of Gamma Irradiation Absorbing Compounds from Lichens for Biomedical Applications, International Radiology and Radiation Therapy, vol. 3, no.4, pp.00071.
2. **Ayyappadasan,G**,Madhupreetha,T,Ponmurugan,P&JeyaPrakashS.2017, „Antibacterial and antioxidant activity of *Parmotrema reticulatum*obtained from easternghats, Southern India, Biomedical Research, vol. 28, no. 4, pp. 1593-1597. (Impact Factor 0.226).
3. Poornima S. Ponmurugan P. Mythili G.B. Nagarjun N., **Ayyappadasan G.** 2017. Evaluation of Antimicrobial, Antioxidant And Anticancer Activities of Few Macrolichens Collected From Eastern Ghats of Tamil Nadu, India, International Research Journal of Pharmacy, vol. 8, no.3, pp. 39-43.
4. Kalaiselvi Mani, Subbaiya R. **Ayyappadasan G.** and Rubavathi S. 2017, “Evaluation of silver nanoparticles as a comparative study and determination of its effect on Vigna radiate” International Research Journal Of Pharmacy, vol. 8, no.1, pp.33-40.
5. Kameshwaran M. and **Ayyappadasan G.** 2017. Anesthetic, Antioxidant and Antibacterial Activities of Anacyclus pyrethrum Root Extract – An In vitro and In vivo Animal study, International Journal of Ayurveda and Pharmaceutical Chemistry, vol. 7,

no.127-137.

6. Kanmani P, Rajiv Kannan A, Deepak Kumar P. and **Ayyappadasan G.** 2017, Performance analysis of noise filters using histopathological tissue images in lung cancer, International Research Journal of Pharmacy, vol. 8, no.1, pp.50-54.
7. **Ayyappadasan G.** Rubavathi S. Deepak Kumar P. Uthira M. 2016. Metabolite profiling and in vitro assessment of antimicrobial and antioxidant activities of lichen *Ramalina inflata*, International Research Journal of Pharmacy, vol. 7, no.12, pp.132-138.
8. **Ayyappadasan,G,**AmuthaM,JeyaPrakash,S,KalaiSelvi,M&Ponmurugan,P2016, „Anti- hyperglycemic and antioxidant activity of various fraction of *Parmotremahababianumin* streptozotocin induced diabetic rats, Bangladesh Journal of Pharmacology, vol. 11, no. 4, pp. 935-939. (Impact Factor0.671).
9. Santhanaraj B. Poornima S. Ponmurugan P. Zameer K.S.Z. **Ayyappadasan G.** Fahad A. 2016. Evaluation of Anti-Cancer Properties of Lichens Using Albino wistar Rats as an Animal Model, Cancer Research Journal, vol. 4, no.6, pp. 84-89.
10. JeyaPrakash, S, **Ayyappadasan, G,** Deepak Kumar, P&Ponmurugan P, 2016, „In vitro evaluation of partially purified antioxidant enzymes from lichen *Leptogium papillosum*’, Asian Journal of Pharmaceutical and Clinical Research, vol. 9, no. 1, pp.140-144.
11. **Ayyappadasan, G,** MadhuPreetha, T, Ponmurugan, P, Jeyaprakash, S &Sanjeeva, N 2015, „Antioxidant and antibacterial activity of parmelioid lichens from Shevaroy hills of Eastern Ghats, India”, International Journal of Pharmtech Research., vol. 8, no. 9, pp. 13-23.
12. Ponmurugan, P, **Ayyappadasan, G** &SanjeevaNayaka 2015, „Survey, distribution pattern and elemental composition of lichens in Yercaud hills of Eastern Ghats in southern India”, Journal of Environmental Biology, vol. 37: pp. 407-412. (Impact Factor 0.640).
13. JeyaPrakash, S, Selvambigai, K, **Ayyappadasan G,** Ponmurugan P &Nayaka S 2015, „In vitro assessment of antioxidant and antimicrobial activities of different solvent extracts from lichen *Ramalinanervulosa*’, International Journal of Pharmacy and Pharmaceutical Sciences, vol. 7, no. 8, pp. 201-204.
14. Nayaka, S, Reddy, AM, Ponmurugan, P, Devi, A, **Ayyappadasan, G** &Upreti, DK 2013, „Eastern Ghats biodiversity reserves with unexplored lichen wealth”, Current Science, vol. 104, no. 7, pp. 821-825 (Impact Factor 0.935).
15. Nayaka, S, Upreti, DK, Ponmurugan, P &**Ayyappadasan, G** 2013, „Two new species of saxicolousPyxine with yellow medulla from southern India”, The Lichenologist, vol. 45, no. 1, pp. 03-08 (Impact Factor1.5).
16. **Ayyappadasan, G.** Khusbhu Singh, R. and Ponmurugan, P. 2012. An efficient treatment of yeast infection of white patches in skin by natural remedy. International Journal of Pharmacy and Applications 2 (4):207-214.
17. Subbaiya, R., **Ayyappadasan, G.,** Mythili, V., Dhivya, E. and Ponmurugan, P. 2012. Pilot scale microbial production and optimization of *Serratia* peptidase from *Serratiamarcescens*. Journal of Ecobiotechnology 3 (12):10-13.

16. List of Patents Publications in Lichens

1. Ayyappadasan,G &Ponmurugan, P 2013, „Microwave assisted detection of UV-absorbing compounds from Lichen“, 2860/CHE/2013 A dated. 28.06.2013,Published in “The Patent Office Journal”, Issue No. 29/2013 dated 19.07.2013, Part I, pp.30.
2. Deepak Kumar, P, MahendraKumar, B, Ayyappadasan, G &Ponmurugan, P2015, „Effective method of extraction and separation of antioxidant molecules from lichens obtained from Kolli hills of Tamil Nadu“, 1799/CHE/2015A dated 17.04.2015, Published in „The patent Office journal”, Issue No. 16/2015 dated 17.04.2015.
3. AyyappadasanG,UthiiraM,DheenadayalanD,SubramanianR&PonmuruganP.2016, „Single step process of extraction and purification of methyl--orsellinate from lichen *Rocellamontagnei* for potential antimicrobial activity“, dated 10.12.2016 in “The Patent Office Journal” Issue No. 53/2016 dated 23.12.2016
4. SumayaFathima I. Rubavathi S. Santhosh N. Robin Jabaraj D. and AyyappadasanG. 2017. Process design and fabrication of sodium alginate from *Sargassumwightii* as a coating roof of proteinated grape fruits using agricultural waste proteins, filed on 07.10.2017.

17. Copyrights

1. **Ayyappadasan, G.** Rubavathi S. Robin jabaraj, D. Santhosh N. and Ponmurugan P. 2016. Experimental Laboratory Manual for Bioprocess Technology, Diary Number: 12981/2016CO/L dated09.11.2016.
2. Deepak Kumar, P. Rubavathi S. Philip Robinson J. and **Ayyappadasan G.** 2019. Experimental Laboratory Manual for Fermentation Technology 5115/2019-CO/L dated 04.04.2019.

18. Gene Sequence Submitted to NCBI

Lichen associated bacterial sequence was submitted to NCBI., Maryland, USA

S.No	Name of the organisms	Reference Number
1.	<i>Bacillus aryabhatai</i>	MG101839
2.	Uncultured <i>Brevibacillus sp</i>	MG087839
3.	<i>Brevibacillus brevis</i>	MG063273
4.	<i>Vibrio sp</i>	MG190340
5.	<i>Vibrio sp</i>	MG189586
6.	<i>Vibrio sp</i>	MG190323

19. Professional Membership

- ❖ Life membership in International Association of Lichenology, United Kingdom
- ❖ Life membership in Indian Lichenological Society
- ❖ Membership in ISTE
- ❖ Membership in IEEE – EMBS

20. Industrial oriented Training / Projects

- ❖ Attended a **one year Entrepreneurship Development Programme (EDP)** conducted by Centre for Entrepreneurship Development (Tamil Nadu) at Kamaraj College of Engineering & Tech., Virudhunagar, Tamil Nadu for the academic year 2005-2006.
- ❖ Undergone industry oriented project training entitled “**Isolation & Characterization of Bromelain from Pineapple & its clinical studies**” at Mindstrom Global Technologies, Tamil Nadu from 13th December to 30th January 2007.
- ❖ Undergone industry oriented project training entitled “**Study of enzymes produced by *Staphylococcus aureus* and *Bacillus cereus* during the degradation of Thermal effluent**” at Azyme Biosciences, Bengaluru from 15th December 2008 to 29th April 2009.
- ❖ Participated industrial oriented training undergone on “**Pharmaceutical production and formulation of Bulk drug**” at Sara Pharmaceuticals, Nagercoil, Tamil Nadu during 09-19th June 2006.
- ❖ Participated industrial oriented training undergone on “**Pharmaceutical SSI sectors and formulations of oral liquids and capsules**” at Baseman Health Care Inc, Madurai, Tamil Nadu during (27th June 2006 to 03rd July 2006) and 23rd May 2005 to 31st May 2005).

21. Faculty Development Program / Training Programme / Workshop

- ❖ Participated in National seminar on “Design of experiments in Bioprocess optimization” held during 04 & 05th January 2018.
- ❖ Participated in **Foodborne pathogenesis National conference** and presented Development of antifouling paint coated steel pipes using lichen associated bacteria on a surface of a bioreactor in Dr. G.R.Damodaran College of Science on 10, 11th January 2019.
- ❖ Participated as Invited Speaker in two days **ILS conference - "Current Developments and Next Generation Lichenology"** organized by Indian Lichenological Society during 27-28th January, 2018.
- ❖ Attended national workshop on “**IPR and Enlightenment for Creative thoughts and creative minds**” organized by Department of Microbiology, Bharathiyar University, Tamil Nadu during 1-2nd August, 2013.
- ❖ Participated Faculty Development Programme on “**Computer Vision, Video and Image Processing**” organized by Department of Biomedical Engineering, PSG College of Technology, Coimbatore, Tamil Nadu from 21-27th July, 2014.
- ❖ Attended National workshop on “**Nuclear Magnetic Resonance Spectroscopy: Theory, Instrumentation and Applications**” organized by Srinivasa Ramanujam Institute for Basic Sciences, Govt of Kerala at Mahatma Gandhi University, Kerala from 10th–

13thSeptember,2014.

- ❖ Attended the Science Academies “Lecture Workshop on **“Biological Sciences: Research Prospects and Applications”** held at Department of Biotechnology, Karpagam University, Coimbatore, Tamil Nadu on 25th& 26thSeptember,2014
- ❖ Participated a Short term training programme on **“Bioinformatical approaches for sequence analyses and protein structure predictions”** held at Centre of Excellence in Bioinformatics, University of Lucknow from 13-14thJuly,2012.
- ❖ Attended International workshop on **“Art of Journal & Thesis writing”** organized by Higher Education Academy London & St. Michael College of Engg& Tech on 21stJuly, 2012.
- ❖ Participated TIFAC sponsored workshop on **“IPR and Patent awareness”** organized by Department of Microbiology, Ayya Nadar Janaki Ammal College, Sivakasi, Tamil Nadu on 16thSeptember,2004
- ❖ Attended the Science Academies “Lecture Workshop on **“Mapping, Utilization and Conservation of Bioresources”** held at School of Bio Sciences and Technology, VIT University, Vellore, Tamil Nadu on 29-31stOctober,2012.
- ❖ Participated National workshop on Pilot scale Mammalian Cell culture using Wave Bioreactor sponsored by WIPRO GE Healthcare Pvt Ltd conducted by Srivenkateswara College of Engineering, Chennai, Tamil Nadu held on 12thNovember,2013.
- ❖ Participated National Workshop on **“Hands on Training in Molecular Biological Techniques”** organized by Department of Microbial Biotechnology Laboratory, Bharathidasan University, Tiruchirappalli, Tamil Nadu on 5- 9thNovember,2012.
- ❖ Participated Ten days National workshop Entitled **“Methods in *In vitro* toxicology”** conducted by Mahatma Gandhi-Doerenkamp Center at Bharathidasan University, Tiruchirappalli during 14-23rdSeptember,2011.
- ❖ Participated training session on **“Handling of Laboratory Animals”** at Biomedical Technology Wing, Sri Chitra Tirunal Institute of Medical Sciences, Trivandrum, Kerala during 01-07thJune2013.
- ❖ Attended AICTE Sponsored national level workshop on **“Environment and pollution awareness”** organized by Department of Polymer Technology, Kamaraj College of Engineering and Technology on 13thAugust2004.
- ❖ Attended Two days National workshop on **X-Ray Crystallography** held at DBT-BIF centre, Holy Cross College at Tiruchirappalli during 25-26thAugust2011.
- ❖ Trained Industrial Oriented one week training programme on **“Plant Tissue Culture**

Techniques” at ShreedharBhat’s Laboratory, Bengaluru during 19-24thJune2006.

- ❖ Attended 12 days training on **Lichen identification** at National Botanical Research Institute, Lucknow,India.
- ❖ Participated and presented the poster presentation conducted by CPCSEA, Minsitry of Environment, Forests and Climate Change, New Delhi entitled “**Alternatives to animal use in experimentation**” during 20-21stNovember2014.
- ❖ Attended Two days training programme on “**Face the Future**” organized by JCI and SFR College for Women, Sivakasi on 21-22ndAugust 2006.

22. Personal Data

Father name : A.Ganesan

Age & D.O.B : 31 & March 19th1986

Gender : Male

Nationality : Indian

Maritalstatus :Married

Language known: Tamil, English & Hindi