



Name : **Dr. S. PALPPERUMAL**  
Department : Microbiology  
Designation : Assistant Professor  
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Experience in Research : 3 years  
Experience in Teaching : 4 years

#### **Educational Qualification**

<b>Qualification</b>	<b>Name of the Institution</b>	<b>Board / University</b>	<b>Year of passing</b>	<b>% of Marks</b>
Ph.D., Microbiology	Saraswathi Narayanan College, Madurai.	Madurai Kamaraj University Madurai.	2016 -2021	Highly commended
M.Sc., Microbiology	Virudhunagar Hindu Nadars' Senthikumara Nadar College, Virudhunagar.	Madurai Kamaraj University, Madurai.	2013-2015	77%*
B.Sc., Microbiology	Ayya Nadar Janaki Ammal College, Sivakasi.	Madurai Kamaraj University, Madurai.	2010- 2013	71%
HSC	Velankanni matha Higher Sec. School, Sivakasi.	State Board	2010	59%
SSLC	Kalaimagal High School, Thiruthangal.	State Board	2008	80%

**\*First rank in M. Sc., Microbiology in the academic year 2013-2015 and was awarded with Pagalam P.M.C. Kandasamy Nadar – Thangammal Endowment Gold Medal in Virudhunagar Hindu Nadars' Senthikumara Nadar College, Virudhunagar.**

### **Titles of Dissertation**

Ph.D.:“**CHARACTERIZATION AND APPLICATIONS OF SULFATED POLYSACCHARIDES PRESENT IN SEAWEEDS ISOLATED FROM GULF OF MANNAR, SOUTH EAST COAST OF INDIA**” Pursuing under the guidance of Dr. S. Sankaralingam, Assistant Professor, PG and Research center of Botany, Saraswathi Narayanan College, Madurai.

M.Sc.:“**CHARACTERIZATION AND OPTIMIZATION OF EXOPOLYSACCHARIDE PRODUCTION BY RHIZOBIUM SP.**” have done under the guidance of Ms. J. Mugil., Assistant Professor, Department of Microbiology, Virudhunagar Hindu Nadars’ Senthikumara Nadar College, Virudhunagar.

Areas of Specialization: **Marine Biotechnology**

### **Academic activities (2021-2022)**

#### **Research Publication**

<b>S. No.</b>	<b>Author Name</b>	<b>Title</b>	<b>Journal Name</b>	<b>Date of Publication</b>
<b>Research Article Published</b>				
1.	Shunmugiah Mahendran, Subbiah Sankaralingam, Senthurpandian, Muthuramalinga Sethupathi, Durairaj Kathiresan, Mahalingam Muthumani, Loganathan Kousalya, Selvam Palpperumal, Balasundaram Harinathan	Evaluation of antioxidant and cytotoxicity activities of polyphenol extracted from brown seaweed <i>Sargassum tenerrimum</i> biomass	Biomass Conversion and Biorefinery <b>(IF – 4.987)</b>	17.01.2022
2.	Shunmugiah Mahendran, Subbiah Sankaralingam, Selvaraj Tamilarasi, Pandiaraj Maheswari, Durairaj Kathiresan, Subramanian Sivasangari Ramya, Parthasarathi Sethupathy, Loganathan Kousalya, Balasundaram	Bioactive potential of invertase by yeast <i>Saccharomyces cerevisiae</i> from the honey bee gut: isolation and characterization	Biomass Conversion and Biorefinery <b>(IF – 4.987)</b>	06.03.2022

	Harinathan, Selvam Palpperumal			
<b>Book Chapter Published</b>				
3.	S. Palpperumal, B. Harinathan, S. Sankaralingam, S. Mahendran	Study on Bioactive Potential of Sulfated Polysaccharide from Green Alga <i>Ulva lactuca</i> L. in Tuticorin from Southeast Coast of India	Recent Progress in Microbiology and Biotechnology	20 .07.2021

### Details of the training program attended

S. No.	Name of the program	Name of the institution conducted the program	Date of the program
1.	Four day Faculty Development programme on “Professional Communication Skills”	IQAC & Department of English (SF), VHNSN College, Virudhunagar	12.07.2021 to 15.07.2021
2.	Online Short term course in “Integration of ICT tools in Teaching and learning”	Senthi Research Advocacy forum of VHNSN College, Virudhunagar	26.07.2021 to 30.07.2021
3.	Indo- Malaysian Two-Day International E Conference On Recent Trends in Natural Products Research and their Applications (RTNPRA-21)	School of Chemistry Madurai Kamaraj University, Madurai, Tamil Nadu, India and BioSES Research Interest Group, Faculty of Science & Marine Environment, Universiti Malaysia Terengganu, Malaysia, partially funded by RUSA Phase II Scheme,	16 & 17.09.2021
4.	Three Days Faculty Development Programme on Intellectual Property Rights in Biotechnology	Department of Biotechnology in association with the Internal Quality Assurance Cell (IQAC) on under UGC PARAMARSH Scheme	22.09.2021 to 24.09.21
5.	Faculty Development webinar under UGC PARAMASH	IQAC & Department of Microbiology, SFR College	27.09.2021

	Scheme on “Art of Writing Research Grants”	for Women, Sivaksi	
6.	Faculty Development programme on “English for Effective Teaching”	IQAC & Department of English (SF), VHNSN College, Virudhunagar	25.10.2021 to 30.10.2021
7.	International workshop (online) on Research Insights in Scientific writing and Publication (RISWP-2021)	Dept. of Microbiology and Biotechnology in association with IQAC of SSESAs Science College, Nagpur	17& 18 December 2021
8.	Six days National Level Faculty Development Programme on “Digital Teaching methods in Higher Education”	PG & Research Department of commerce with computer applications, Hindusthan College of Arts & Science, Coimbatore	23.08.2021 & 28.08.2021
9.	Faculty Development Programme on “What, Why, and How of Patents”	Department of Biotechnology Under DBT Star College Scheme, V.V.Vanniaperumal College for Women (Autonomous), Virudhunagar	14.02.2022
10.	National Webinar entitled “Emerging Trends in Health care”	Department of Biomedical Science, Bharathidasan University, Tiruchirappalli	18.03.2022
11.	International E-Conference on “MICROBIAL APPLICATIONS IN HUMAN AND ANIMAL WELFARE”	IQAC and Department of Zoology, Sri Kumara Gurupara Swamigal Arts College, Srivaikuntam	19.04.2022 & 20.04.2022

### Academic activities (2020 – 2021)

#### Research Publication

1. **S. Palpperumal**, B. Harinathan, S. Sankaralingam, S. Mahendran (2021). Study on Bioactive Potential of Sulfated Polysaccharide from Green Alga *Ulva lactuca* L. in Tuticorin from Southeast Coast of India. Recent Progress in Microbiology and Biotechnology Vol. 7, Page 29-40.

## Details of the training program attended

S. No.	Name of the program	Name of the institution conducted the program	Date of the program
<b>Online Faculty Development Program</b>			
1.	Online Faculty Development Program on E-Content	Vidyalankar Institute Of Technology, Mumbai	25.06.2020
2.	Online Faculty Development Program on Teaching statistics using case study Approach	Brindavan College, Bangalore	14.07.2020
3.	Online Faculty Development Programme on “ Appraisal of Mathematical Learning Outcomes in Cybergogy Environment”	Arul Anandar College, Madurai	15.07.2020 to 17.07.2020
4.	Faculty Development Program on outcome based Assessment Strategies	VHNSN College, Virudhunagar	18.07.2020
5.	Faculty Development Program on Handling classes through google meet	VHNSN College, Virudhunagar	06.08.2020
6.	Faculty Development Program on Handling google classroom for Evaluating student learning	VHNSN College, Virudhunagar	20.08.2020
<b>Four week International Faculty Development Online Certificate Course</b>			
7.	Four week International Faculty Development Online Certificate Course on “MEDICAL BACTERIOLOGY”	Sacred Heart College (Autonomous), Tirupattur	01.06.2020-30.06.2020
8.	the Four week International Online Certificate Course on “BASIC TECHNIQUES IN MICROBIOLOGY”	Sacred Heart College (Autonomous), Tirupattur,	01.06.2020-30.06.2020
<b>National &amp; International level Webinar</b>			
9.	International Virtual Conference on “Oral Microbiome”-ORMICON 2020”	SBDCH, Chennai	03.06.2020
10.	“Basic Author Workshop Research Article Writing & Reference Management Using Mendeley”	Faculty of Science, Annamalai University in collaboration with ELSEVIER	22.06.2020
11.	International Webinar on Covid	Raju’s College,	26.06.2020

	19: Solution for Survival	Rajapalayam	
12.	International Webinar on on “FTIR & HPLC INSTRUMENTATION ”	Rajah Serfoji Govt. College (A), Thanjavur	27.06.2020
13.	International Webinar on COVID-19: Challenges and opportunities for Sustainable Environmental Development	AKS University, Satna	05.07.2020- 07.07.2020
14.	International Webinar on “APPLICATIONS OF ALGAE”	K.R.COLLEGE OF ARTS & SCIENCE, KOVILPATTI	18.07.2020
15.	International Webinar on COVID-19 VACCINE DEVELOPMENT	ANJA College, Sivakasi	15.05.2020
16.	International webinar on “Emerging Microbial infections”	Kamarajar Govt. Arts College, Surandai	17.03.2021

### Academic Activities - 2019-2020

#### Research Publication

1. PALPPERUMAL .S, GANAPATHY SUNDARAM .M, SANKARALINGAM .S, SHANKAR .T, SIVAKUMAR .N, VIGNEESWARAN .M AND KANNAN .M (2019). OPTIMIZATION OF CULTURAL CONDITIONS FOR BACTERIAL EXTRACELLULAR POLYMERIC SUBSTANCES PRODUCTION BY *LACTOBACILLUS* SP. ISOLATED FROM CURD. INNOVATION IN MICROBIAL DIAGNOSTICS. ISBN NO: 978-93-867-12-90-5.

#### Details of the training program attended

S. No.	Name of the program	Name of the institution conducted the program	Date of the program
1.	webinar on Applications of Real-time PCR for Rapid Diagnosis of Communicable and Non- Communicable Diseases	School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai, India.	23.11.2020
2.	Webinar Antiviral Marine Macroalgae Sulfated Polysaccharides to Boost Immunity As Well As Active against Respiratory Infections	PG & Research Department of Botany, V.O.Chidambaram College	27.05.2020
3.	Two day International webinar on “Recent Trends in Applied	Senthi Research Advocacy forum, VHNSNC,	29 <sup>th</sup> & 30 <sup>th</sup> May, 2020

	Sciences”	Virudhunagar	
4.	International Webinar on Stem cell Research SarsCov-2 (Covid-19)	Vinayaka Mission’s Kirupananda Variyar Engineering College, Salem	23th May 2020
5.	Three Days <i>Online Assessment on “Improve your Skills”</i>	Department of Mathematics, VHNSNC, Virudhunagar	27 <sup>th</sup> & 29 th April, 2020
6.	Three days online course on "Application of Parametric Test in Research"	Senthi Research Advocacy forum, VHNSNC, Virudhunagar	20th May 2020 to 22nd May 2020
7.	One day Online National Faculty Development Programme on “Web Skills for Online Classes”	Department of Commerce, Bishop moore College, Mavelikara	30.05.2020

## 2013-2018

### Seminars, Workshops and Conferences Attended (State, National & International level’s)

1. State Level Workshop “**Molecular and Biochemical Approaches in Plant Sciences**” organized by **Centre for Research and PG Studies in Botany**, Ayya Nadar Janaki Ammal College, Sivakasi sponsored by **UGC, Hyderabad & The management, ANJAC**, held on 22<sup>nd</sup> & 23<sup>rd</sup> Jan, 2018.
2. Science Academies Lecture Workshop on “**Modern Trends in Zoology and Agriculture Microbiology**” organized by Department of Zoology, **Saiva Bhanu Kshatriya College**, Aruppukottai sponsored by **Indian Academy of Science, Bangalore; Indian National Science Academy, New Delhi and The National Academy of Sciences, Allahabad** held on 7<sup>th</sup> & 8<sup>th</sup> Feb, 2017.
3. **International conference on Environmental Sustainability for Food Security (ENFOSE-2016)** organized by **Sree ayyappa college for women by Department of Botany and Zoology, Chunkankadai**, sponsored by **MSU, NABARD, CIFT, CMFRI, SERB-India** and etc., 22th - 24<sup>th</sup> Sep, 2016.
4. One day **WORKSHOP ON NANOTECHNOLOGY** held at **Mepco Schlenk Engineering College**, Sivakasi held on 9<sup>th</sup> Jan, 2015.
5. National conference on “**Food Security : Issues and Concerns**” organised by the Department of Rural Development Science, with the Department of food science &

Technology, and Arrupe centre for Policy Research, **Arul Anandar College, Karumathur, Madurai**, held on 21<sup>st</sup> & 22<sup>nd</sup> Feb, 2013.

6. National Seminar on **“Emerging Trends In Infectious and Non Infectious Diseases (EID 2013)”** organized by the Department of Genetic Engineering , **School of Biotechnology, Madurai Kamaraj University, Madurai**, held on 15<sup>th</sup> Feb, 2013.

## **Papers Presented**

*Paper Presented in National level Seminars / symposium / Conference*

1. **“Morphological and 18S rRNA gene sequence analysis of *Padina* brown seaweed”** presented in National conference on **Innovations in Biotechnology (NCIB - 2017)** organized by School of Biotechnology, **Madurai Kamaraj University** Sponsored by **Madurai Kamaraj University, Department of Science & Technology, Government of India, DST-PURSE, SERB, India** held on 14<sup>th</sup> - 15<sup>th</sup> December, 2017.
2. **“Biological activities of sulfated polysaccharides isolated from brown seaweeds: A Review”** in 15<sup>th</sup> Annual National Level Conference on **“Microbes across Boundaries (MAB 2017) Bringing Innovation in the field of Microbiology through Interdisciplinary Approach”** organized by Department of Microbiology & Indian Association of Applied Microbiologist (IAAM), Vivekananda College of Arts & Science for women Elayampalayam, Tiruchengode held on 22<sup>nd</sup> & 23<sup>rd</sup>, September 2017.
3. **“Antioxidant activities of sulfated polysaccharide obtained from green seaweed *Ulva* sp.”** in National symposium on **“Algal Diversity and Resources status: Current Trends in Utilization and Prospects for Innovation”** organized by PG & Research Department of Botany & Marine Ecology & Conservation Lab, PG & Research Department of Zoology un association with Seaweed Research Utilisation Association & Krishnamurthy Institute of Algology, Chennai held at V. O. Chidambaram College, Tuticorin on 21<sup>st</sup> – 23<sup>rd</sup> Sep 2017.



4. **“Antioxidant activity of sulfated polysaccharides From *Ulva* sp.”** in **National Seminar on Recent Advances In Plant Biology** Organized by Department of Botany with specialization in Plant Biotechnology, The Standard Fireworks Rajaratnam College For Women Sponsored by UGC held On 13<sup>th</sup> & 14<sup>th</sup> July, 2017.
5. **“Antioxidant activity of sulfated polysaccharides isolated from the brown seaweed *Padina* sp.”** in **Frontiers in Ecobiological Sciences and its Applications (FESA 2017)**” organized by School of Life Sciences, Periyar University, Salem, sponsored by **Department of Biotechnology, Govt. of India and CSIR, India** held on 16<sup>th</sup> & 17<sup>th</sup> March, 2017.
6. **“Optimization of culture conditions for the production of moderately halophilic protease from newly isolated *Bacillus flexus* strain AP.MSU2”** in 9<sup>th</sup> NABS National Conference on **“New Biological Researchers Opportunities and Challenges for Sustainable development”** organized by School of Energy, Environment and Natural resources Madurai Kamaraj University, Madurai held on August 11<sup>th</sup> – 12<sup>th</sup> 2016.
7. **“Optimization of cultural conditions for exopolysaccharides production by *Enterobacter cloacae*”** presented in **“National Conference on Advances in Biological and Environmental Sciences”** Gandhigram Rural Institute, Dindugul, February 25<sup>th</sup> – 26<sup>th</sup> 2016.
8. **“Evaluation of Heavy metal tolerance on Phosphate solublizing bacteria isolated from *Elephasmaximus Indicus* dung sample** presented in **“National Conference on Advances in Biological and Environmental Sciences”** Gandhigram Rural Institute, Dindugul, February 25<sup>th</sup> – 26<sup>th</sup> 2016.
9. **“Plasmid Curing On Phosphate Solubilizing Bacteria Isolated From *Elephas Maximus Indicus* Dung Sample”** presented in **“13<sup>th</sup> National Level Confrence in Sustainability, Challenges and Advances in Biological Sciences”** organized by Departments of Biological Science at Muthayammal College of Arts and Science Rasipuram, December 18<sup>th</sup> and 19<sup>th</sup> 2015.
10. **“Isolation, characterization, production and optimization of exopolysaccharide producing bacterium *Rhizobium* with different carbon source”** presented in

National Seminar on “**Current Research in Microbiology-2015**” organized by Department of Microbiology, Ayya Nadar Janaki Ammal College, Sivakasi, Sponsored by **UGC-SERO Hyderabad** & the management ANJAC and In collaboration with **Department of Molecular biology, MK university, Madurai**, held on 19<sup>th</sup> & 20<sup>th</sup> March 2015.

*Paper Presented in International level Seminars / Conference*

1. “***In vitro* antioxidant activities of sulfated polysaccharide isolated from *Ulva* sp.**” in **International Conference on Environment, Genes, Health and Diseases - 2017**” organized by the Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore Sponsored by **Bharathiar University, SERB-INDIA, UGC, ICMR – New Delhi, INSA and TNSCST** held on 22<sup>nd</sup> - 24<sup>th</sup> August 2017.
2. “***In vitro* antioxidant activity of sulfated polysaccharides isolated from *Padina* sp.**” in **International Conference on Recent Trends in Microbiology (RTM-2016)** organized by Department of Microbiology, Alagappa University, Karaikudi held on 20<sup>th</sup> & 21<sup>th</sup> Dec, 2016.
3. “**Exploration of physiological and biochemical parameters and its effect of AM fungi on curry leaf**” in “**International Conference on Environment and Health in Changing Climate**” organized by Department of Environmental Biotechnology, School of Environmental Sciences, Bharathidasan University, Tiruchirappalli, held on Sep, 14<sup>th</sup> - 16<sup>th</sup> 2016.
4. “**Influence of Arbuscular mycorrhizal fungi on various biochemical parameters of *Carica papaya***” presented in Department of Microbiology Ayya Nadar Janaki Ammal college in “**International Conference on Recent Trends in Biological Research - 2015**” Sivakasi, December 22<sup>nd</sup> 2015.
5. “**Purification and characterization of haloalkaline protease by *Pseudomonas aeruginosa***” presented in International conference on “**Converging Biotechnological Innovations for Health, Food and Environmental Welfare**” organized by Department of Biotechnology, Karunya University, Coimbatore, held between December 2<sup>nd</sup> to 4<sup>th</sup> 2015.

6. “Effect of Phosphate solubilizing bacterial strains isolated from *Calotropis gigantea* and *Cyanodon dactylon*” in International conference on “Converging Biotechnological Innovations for Health, Food and Environmental Welfare” organized by Department of Biotechnology, Karunya University, Coimbatore, held between December 2<sup>nd</sup> to 4<sup>th</sup> 2015.
7. “Effect of arbuscular mycorrhizae fungi on growth and development of *Carica papaya*” in International conference on “Converging Biotechnological Innovations for Health, Food and Environmental Welfare” organized by Department of Biotechnology, Karunya University, Coimbatore, held between December 2<sup>nd</sup> to 4<sup>th</sup> 2015.

### **Books Published:**

Books Edited –

A. Balasubramanian, P. Punitharaj, M. Suresh and **S. Palpperumal**, (2018). National seminar on **MIRACLE MICROBES** (NSMM – 2018), **V. H. N. Senthikumara Nadar College**, Virudhunagar, pp. 1 – 82, **ISBN No: 978-93-81723-92-0**.

### **Research Publications:**

#### ***Research Publications in International & National Journals***

1. **S. Palpperumal**, B. Harinathan, S. Sankaralingam, T. Shankar, S. Mahendran, D. Kathiresan and N. Sivakumar (2019). Antioxidant Activities of Sulfated Polysaccharide Obtained from Green Seaweed *Ulva lactuca* L. in Tuticorin Coast, Gulf of Mannar, South East Coast of India. **International Journal of Microbiological Research**. ISSN 2079-2093, 10 (1): 16-23.
2. S. Sankaralingam, **S. Palpperumal**, B. Harinathan, D. Kathiresan, T. Shankar and S. Sundarapandian (2018). Screening and Characterization of Cellulase by *Bacillus megaterium* Isolated from Marine Sediments and its Antimicrobial Activity. **World Applied Sciences Journal**. ISSN 1818-4952, 36 (5): 646-653.
3. T. Shankar, **S. Palpperumal**, S. Sankaralingam, B. Harinathan, D. Kathiresan and B. Priyadarshini (2018). Statistical Optimization of Significant Variables for Exopolysaccharide Production by *Lactobacillus plantarum*. **International journal Microbiological Research**. ISSN: 2079-2093, 9(3): 59-69 (UGC approved).

4. T. Shankar, B. Harinathan, **S. Palpperumal**, S. Sankaralingam, B. Jamunadevi (2018). Biodiversity of xylanase producing fungi present in the leaf litter soil of Munnar Hills, Kerala. **Research journal of Life Sciences, Bioinformatics, Pharmaceutical and chemical Sciences**. 37: ISSN: 2454-6348 (UGC approved).
5. S. Sankaralingam, **S. Palpperumal**, N. Sivakumar, D. Kathiresan, B. Harinathan, T. Shankar and D. Prabhu (2017). Antifungal Activity of Mangrove Rhizobacterium *Pseudomonas aeruginosa* against Certain Phytopathogenic Fungi and its Growth Characterization. **American Journal of Current Microbiology**. 5(1): 1-10, ISSN: 2572-5815.
6. S. Sankaralingam, B. Harinathan, **S. Palpperumal**, D. Kathiresan, S. Rajendran, T. Shankar, D. Prabhu and N. Sivakumar (2017). Optimization of Culture Conditions for the Production of Halophilic Protease by Newly Isolated *Bacillus sonorensis*. **American-Eurasian J. Agriculture & Environmental Science**. 17(4): 293-299, (ISSN 1818-6769).
7. S. Sankaralingam, B. Harinathan, **S. Palpperumal**, D. Kathiresan, S. Rajendran, T. Sivakumar, T. Shankar, G. Prabakaran and N. Sivakumar, (2016). Screening, Growth Characterization and Alkaline Phosphatase Potential of *Pseudomonas plegossicida* from Mangrove Soil. **British Microbiology Research Journal**. 17(6): 1-11, (ISSN: 2231-0886).
8. B. Harinathan, S. Sankaralingam, **S. Palpperumal**, D. Kathiresan, T. Shankar and D. Prabhu, (2016). Effect of phosphate solubilizing bacteria on growth and development of Pearl millet and Ragi. **Journal of Advances in Biology & Biotechnology**. 7(3): 1-7, (ISSN: 2394-1081).
9. S. Sankaralingam, D. Kathiresan, B. Harinathan, **S. Palpperumal**, T. Shankar, B. Ramya and D. Prabhu, (2016). Effect of arbuscular mycorrhizae fungi on growth and development of *Carica papaya*. **Scientific Journal of Seoul Sciences**. 4 (1): 1-7, (ISSN: 2415-6795).
10. **S. Palpperumal**, S. Sankaralingam, D. Kathiresan, B. Harinathan, T. Shankar and D. Prabhu, (2016). Partial purification and characterization of haloalkaline protease

by *Pseudomonas aeruginosa*. **British Microbiology Research Journal**. 15(3): 1-7, (ISSN: 2231-0886).

***Research Publications in National, International & State level Proceedings***

1. **Palpperumal .S**, Ganapathy sundaram .M, Sankaralingam .S, Shankar .T, Sivakumar .N, Vigneeswaran .M and Kannan .M (2019). Optimization of cultural conditions for bacterial extracellular polymeric substances production by *Lactobacillus* sp. isolated from curd. Proceedings of **state level seminar on Innovations in Microbial Diagnostics** in Department of Microbiology, Kamaraj College, Thoothukudi, ISBN: 978-93-867-12-90-5.
2. B. Harinathan, **S. Palpperumal**, S. Karthikeyan, S. Sankaralingam, D. Kathiresan, Natesan Sivakumar, P. Thiyagarajan and T. Shankar. Enhancing the Efficacy of Cellulase Producing *Aspergillus niger* Isolated from Alagar Hills, Madurai District, Tamilnadu. **Proceedings of the National Conference on Innovations in Biotechnology (NCIB 2017)**, ISBN: 978-93-86568-22-9.
3. D. Kathiresan, **S. Palpperumal**, S. Sankaralingam, B. Harinathan, and K. Muthuchelian. Influence on the growth of tree legume *Erythrina variegata*L. using stress tolerant *Rhizobium* sp. **Global life science conference on biological engineering. March 29<sup>th</sup> to 31<sup>th</sup> 2016, Kyoto, Japan**, ISBN: 978-986-5654-38-5-2, 645-646.
4. S. Sankaralingam, **S. Palpperumal**, B. Harinathan, D. Kathiresan and T. Shankar. Optimization and characterization of exopolysaccharide produced by *Lactobacillus plantarum* isolated from curd. **Global life science conference on biological engineering. March 29<sup>th</sup> to 31<sup>th</sup> 2016, Kyoto, Japan**, ISBN: 978-986-5654-38-5-2, 535-537.
5. B. Harinathan, S. Sankaralingam, **S. Palpperumal**, D. Kathiresan, T. Shankar and D. Prabhu (2016). Effect of phosphate solubilizing bacterial strains isolated from *Calotropis gigantea* and *Cyanodon dactylon* and their effect on growth and development of millets. **Global life science conference on biological engineering March 29<sup>th</sup> to 31<sup>th</sup> 2016. Kyoto, Japan**, ISBN: 978-986-5654-38-5-2, 533-534.

**Resource Person**

*Acted as Resource Person – State level*

Acted as Resource person in the “**Young Students Scientist Programme (YSPP) – 2017**” sponsored by **Tamilnadu state council for science and technology (TNSCST)** organized by Saraswathi Narayanan College, Madurai held during May 5<sup>th</sup> – 19<sup>th</sup> 2017.

### **Others**

#### **SEQUENCE TAG SUBMITTED IN GENBANK NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION (NCBI)**

<b>Sl. No.</b>	<b>Microbial taxa used for 16S rRNA Sequencing</b>	<b>GenBank Accession No.</b>
1.	<i>Bacillus cereus</i>	<i>KU215676</i>
2.	<i>Bacillus sonorensis</i>	<i>KU215677</i>
3.	<i>Pseudomonas putida</i>	<i>KU215678</i>
4.	<i>Pseudomonas plegossicida</i>	<i>KU215679</i>
5.	<i>Enterobacter cloacae</i>	<i>KU215680</i>
6.	<i>Acinetobacter baumannii</i>	<i>KX092005</i>
7.	<i>Bacillus subtilis</i>	<i>KX092006</i>
8.	<i>Bacillus licheniformis</i>	<i>KX092007</i>
9.	<i>Halobacillus trueperi</i>	<i>MF175362</i>
10.	<i>Halobacillus dabanensis</i>	<i>MF175363</i>
11.	<i>Oceanobacillus iheyensis</i>	<i>MF192762</i>
12.	<i>Cloacibacterium normanense</i>	<i>MF322524</i>
13.	<i>Bacillus flexus</i>	<i>MF347994</i>
14.	<i>Halomonas desiderata</i>	<i>MF192760</i>
15.	<i>Halomonas campaniensis</i>	<i>MF192761</i>
16.	<i>Oceanobacillus iheyensis</i>	<i>MF192763</i>
17.	<i>Halomonas alkaliphila</i>	<i>MF597783</i>
18.	<i>Chromohalobacter salexigens</i>	<i>MF621959</i>
19.	<i>Bacillus velezensis</i>	<i>MF347997</i>
20.	<i>Salmonella enterica</i>	<i>MF347996</i>
21.	<i>Bacillus cereus</i>	<i>MH410607</i>
22.	<i>Idiomarina loihiensis</i>	<i>MH410609</i>

<b>Sl. No.</b>	<b>Microbial taxa used for 18S rRNA Sequencing</b>	<b>GenBank Accession No.</b>
1.	<i>Aspergillus tamarii</i>	<i>KX092009</i>
2.	<i>Fusarium oxysporum</i>	<i>KX092010</i>
3.	<i>Aspergillus aculeatus</i>	<i>MF621960</i>
4.	<i>Aspergillus niger</i>	<i>MF621961</i>