

**Name of the Teacher:** Dr. Deepa I

**Designation :** Guest Faculty

**Contact Number :** 9496118978

**Residential Address :** Nallasseril

Ramauram

Keerikkad P O

Alappuzha District

PIN 690508

**Email :** deeparajesh75@gmail.com

**Official Email** deeparajesh75@gmail.com

**Academic Qualification**

MSc Biotechnology

PhD Biotechnology

**Area of Interest/Specialization**

Molecular biology

Industrial microbiology

Bioseparation and purification of bioactive molecules

**Teaching Experience (as on 31.03.2021) :** 4 1/2 Years

**Details of Major or Minor Projects**

NA

**Administrative / Official Responsibilities**

NA

**Academic Positions**

NA

### **Awards and Accolades**

- 1) Level 3 Award in HACCP for Food Manufacturing conducted by RSPH (Royal Society for Public Health, London) May 2015
- 2) AL HAJ P K KUNJU SAHIB AWARD for best paper presentation in the two day National Seminar on Emerging challenges in biodiversity conservation with special reference to recent trends in ecotoxicology organised by PG Department of Zoology, M S M College, Kayamkulam, Alappuzha District, Kerala, India, February 26-27, 2018

### **Seminar / Conference organized**

NA

### **Training Courses attended**

- 1) Three months training on Quality and Safety in Food Processing conducted by The Cashew Export Promotion Council of India sponsored by Ministry of Commerce, Govt of India, from 14-01-2002 to 26-04-2002
- 2) Six months of Dissertation cum Training in NIIST, Thiruvananthapuram under the guidance of Prof. Ashok Pandey, Deputy Director, NIIST on 2004
- 3) Trainee Microbiologist in Quality Assurance Laboratories ( A Govt. of Kerala Approved Testing Laboratory) Kollam, Kerala, India from 1st December 2005 to 31st December 2006
- 4) Training Programme on Assembly and use of Fold Scope conducted by Dept. of Botany, Maharaja's College, Eranakulam, Kerala, India on 07-12-2018
- 5) One week online National Level Short Term Course (Faculty Development Programme) in E- Content Development, organized by the IQAC, Milad- E- Sherief Memorial College, Kayamkulam in collaboration with the UGC- Human Resource Development Centre, University

of Kerala, Thiruvananthapuram, from 24/09/2020 to 30/09/2020

6) Participated in the One week online Faculty Development Programme on "How to Prepare SSR and AQAR for NAAC" organized by E-Resources Development Cell, Sanatan Dharma College, Ambala Cantt., Haryana in Collaboration with IQAC, MSM College, Kayamkulam, Kerala from 15th -22nd February, 2021

### **Seminar / Conference attended**

1) Participated and Presented a Paper in the National Seminar on Advances in Integrated Scientific Research held at Milad-E-Sherief Memorial College, Kayamkulam on 15 th and 16 th January 2019

2) Participated in the DBT-STAR College Scheme sponsored National Webinar on Animal Ethics in Research and Prevention of Cruelty to Animals-- One Welfare, One World organized by the Department of Zoology, Mar Athanasius College (Autonomous) Kothamangalam on 15 August 2020

3) Participated in National Webinar on RNA Binding Proteins: New Therapeutic Targets for Disease organized by Student IQAC, MDM College, Kayamkulam on 23rd August 2020

4) Participated in the Al-Haj. P K Kunju Sahib Memorial Webinar Series 2020-2021 on Roadways to Research organized by Department of Botany and IQAC, Milad-E-Sherief Memorial College Kayamkulam on 22nd August 2020

5) Participated in the International Webinar as part of Al-Haj P K Kunju Sahib Memorial Webinar Series on Diet, Genes and Obesity: Implications for Personalized Nutrition organized by Department of Botany and IQAC, Milad-E-Sherief Memorial College, Kayamkulam on 19th September 2020

## **Social Media Links**

Facebook

## **International Journal Publications**

- 1) Deepa I, Nishanth Kumar S, Sreerag R S and Mohandas C (2014) Antimicrobial activity of crude extract obtained from an *Acinetobacter* sp. associated with an entomopathogenic nematode. *International Journal Of Pharmaceutics & Drug Analysis* 2:8:649-652
- 2) Nishanth Kumar S, Sreerag R S, Deepa I, Mohandas C and Bala Nambisan (2014) Protocetraric acid: an excellent broad spectrum compound from the lichen *Usnea albopunctata* against medically important microbe. *Article in Natural Product Research* 29:6:574-577. DOI: 10.1080/14786419.2014.953500. Impact factor 1.1
- 3) Indira Deepa, Sasidharan N. Kumar, (2015) Purification and synergistic antibacterial activity of arginine derived cyclic dipeptides, from *Achromobacter* sp. associated with a rhabditid entomopathogenic nematode against major clinically relevant biofilm forming wound bacteria. *Frontiers in Microbiology* 6:876.doi: 10.3389/fmicb.2015.00876
- 4) Deepa I, Mohandas C and Siji JV (2019) Molecular Characterization of Novel Symbiotic bacteria from Entomopathogenic nematodes. *International Journal of Scientific Development and Research* ( ISSN : 2455-2631) 4:8:38-43
- 5) Deepa I (2019) Isolation and identification of bioactive molecules produced by entomopathogenic bacteria *Comomonas testosteroni*. *International Journal of Mutidisciplinary Educational Research* ISSN: 2277-7881. Impact factor-6.014, IC Value-5.16, ISI value-2.286, Volume 8, Issue11(1) November.P.64-74
- 6) Deepa I, Mohandas C and Siji JV (2019) Identification of a new symbiotic bacterium

associated with entomopathogenic nematode by 16S ribosomal RNA gene sequencing.  
International Journal of Mutidisciplinary Educational Research ISSN: 2277-7881. Impact factor-6.014, IC Value-5.16, ISI value-2.286, Volume 8, Issue 8(2) August.P.67-73

### **National Journal Publications**

- 1) Deepa I, Mohandas C, Makesh Kumar T, Siji J V, Prakash Krishnan B S and Binoy Babu (2010) Identification of New Entomopathogenic Nematodes (EPN) based on Sequences of D2-D3 Expansion Fragments of the 28S rRNA. Journal of Root Crops 36:2: 227-232
- 2) K.M.Anju, I.Deepa, M.M Archana, C.Mohandas and Bala Nambisan (2015) Nematicidal metabolite produced by symbiotic bacterium associated with a new entomopathogenic nematode *Rhabditis (Oscheius) sp.* Indian Journal of Nematology 45:1:91-98
- 3) Deepa I, C. Mohandas and J.V Siji (2018) Isolation and phenotypic characterization of symbiotic bacteria associated with entomopathogenic nematodes. Proceedings of the National Seminar on "Emerging Challenges in Biodiversity Conservation with special reference to Recent Trends in Ecotoxicology" organised by M S M College, Kayamkulam, Alappuzha Dt., Kerala, India, February 26- 27. ISBN: 978-93-5291-469-2.P. 177-188
- 4) Deepa I (2019) Molecular identification of a new symbiotic bacteria *Achromobacter* associated with entomopathogenic nematodes. Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162) 6:6:677-680. Impact factor 5.87

### **Book Chapter Publications**

FOOD AND DAIRY BIOTECHNOLOGY XD2020. Dr.Deepa I. Publisher- IOR International press. Google Scholar Indexed Publisher, ISBN 978-93-89631-09-8, ISBN 978-93-89631-10-4, DOI: 10.34256/ioriip201, Coimbatore, Tamil Nadu, India

### **International Conference Publications**

NA

### **National Conference Publications**

- 1) Mohandas, Bala Nambisan, J.V Siji, S Nishanth kumar and I. Deepa (2010) Talented bacteria associated with Rhabditis sp. having insecticidal, nematocidal, antimicrobial and antineoplastic properties. Bangalore India Bio, Organised by Vision Group on Science and Technology, Bangalore, India, June 2-4. P.63 (Poster presentation)
- 2) Deepa I, Siji J V, Prakash Krishnan B S and Mohandas C (2010) Identification of a new symbiotic bacterium associated with Entomopathogenic nematode by 16S ribosomal RNA gene Sequencing. (Abstr.) XX th Swadeshi Science Congress organised jointly by Swadeshi Science Movement, Kerala and Central Marine Fisheries Research Institute (ICAR, Govt. of India) Kochi. Nov. 6-8. P.59-60 (Paper presentation).
- 3) Deepa I, Mohandas C, Anupama P D, Siji J V, Benitta Merlin I (2011) Diversity and identification of unique bacteria associated with novel entomopathogenic nematodes. (Abstr.) XXIrd Kerala Science Congress Jan. 29-31. Centre for Earth Science Studies, Akkulam, Thiruvananthapuram, Kerala. P.60 (Oral presentation)
- 4) Deepa I, C. Mohandas and J. V Siji (2011) Molecular Characterization of Novel Symbiotic bacteria from Entomopathogenic nematodes. Proceedings of the National Seminar on "Climate Change and Food Security: Challenges and Opportunities for Tuber Crops (NSCFT ), January 20-22 conducted by Indian Society for Root Crops, CTCRI, Thiruvananthapuram, Kerala. P. 399-404 (Oral presentation)
- 5) Deepa I (2017) Molecular identification of a new entomopathogenic nematode (Abstr.) 27th Swadeshi Science Congress jointly organized by Swadeshi Science Movement - Kerala and Amrita Viswa Vidyapeetham, Amrita University, Kollam, Kerala. Nov. 7-9. P.222
- 6) Deepa I, Mohandas C and Siji J V (2018) Isolation and identification of bioactive molecules produced by entomopathogenic bacteria Comamonas testosteroni (Abstr.) 28th Swadeshi Science Congress jointly organized by Swadeshi Science Movement - Kerala and National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvananthapuram, Kerala. Nov. 7-9.

7) Deepa I, Mohandas C and Siji J V (2018) Molecular identification of a new symbiotic bacteria *Stenotrophomonas maltophilia* associated with entomopathogenic nematodes. Proceedings of the State level Seminar on "Biotechnology for biodiversity conservation and utilization" Nov. 2 organized by Sree Narayana College of Technology, Department of Biotechnology, Vadakkevila, Kollam, Kerala. P. 20-21 (Oral presentation)

8) Deepa I and Mohandas C (2019) Antimicrobial activity of a new entomopathogenic bacteria *Acinetobacter*. Proceedings of the 31st Kerala Science Congress, 02-03 February, Fatima Mata National College, Kollam, Kerala. P. 32. (Oral presentation)

### **Workshops Attended**

1) Attended Six day Workshop on COASTAL AND ESTUARINE ECOSYSTEM CONSERVATION AND MANAGEMENT ( Environment Management Training- EMT 2018) conducted by Dept.of Botany, Maharaja's College, Eranakulam, Kerala, India and funded by KSCSTE, Trivandrum on 3rd to 8th December 2018

2) Participated in the One day Workshop on Harnessing Bio-agents for Sustainable soil and Palm Health held at ICAR- CPCRI, Regional Station, Kayamkulam on 15th February 2018

### **Other Publications**

NA

### **Other Relevant information**

NA

### **Additional Resources**

Sixteen Gene Sequences submitted to NCBI GenBank

