

**SRI SANKARA ARTS & SCIENCE COLLEGE**

**ENATHUR, KANCHIPURAM**

**STAFF PROFILE**

**DEPARTMENT OF MICROBIOLOGY**



1.	<b>Name of the Staff</b>	<b>Dr. K. KAVITHA</b>
2.	<b>Designation</b>	<b>Assistant Professor</b>
3.	<b>Date of Joining</b>	<b>1<sup>st</sup> August 2005</b>
4.	<b>Mobile Number</b>	<b>7397545859</b>
5.	<b>E-Mail ID</b>	<a href="mailto:kaviswamy@gmail.com"><u>kaviswamy@gmail.com</u></a>
6.	<b>Nationality</b>	<b>Indian</b>
7.	<b>Academic Qualification</b>	<b>M.Sc., M.Phil., Ph.D. Qualified SET and NET</b>
8.	<b>Field of Specialization</b>	<b>Endophytic fungal metabolites, Bioinformatics</b>
9.	<b>Ph. D Thesis Title</b>	<b>Isolation and characterization of antibacterial compound produced by endophytic fungi <i>Aspergillus aculeatus</i> EF4 obtained from <i>Blumea riparia</i> leaves.</b>
10.	<b>Awarding University, Year of Award</b>	<b>University of Madras, April 2023</b>

## 11. WORK EXPERIENCE (IN CHRONOLOGICAL ORDER):

S. No.	Name of the Institution	Designation	Period
1.	Sri Sankara Arts and Science college	Assistant Professor	2005 to till date

## 12. PUBLICATIONS:

### WEB OF SCIENCE & SCOPUS INDEXED

- Rajalakshmi, M. Ramesh, R. Sai Thanga Abirami, **K. Kavitha**, G. Suresh, V. Prabakaran, R. Puvanakrishnan and B. Ramesh. **2024**. Discovery of antibacterial biogenic magnetosome nanoparticles from *Providencia* sp. MTBPRB-1: Screening, purification and characterization. **Journal of Biosciences**, Volume 49, Article number 54 **Impact Factor – 2.9**, Publisher- **Springer**.
- **K. Kavitha**, S. Bharathi, S. Kumaran, M. Ponmozhi and G. Suresh. **2024**. Exploration of phyto-beneficial traits of halophilic rhizobacteria isolated from the mangrove halophyte *Avicennia marina*, **Archives of Phytopathology and Plant Protection**. **Impact Factor – 1.0**, Publisher- **Taylor and Francis Ltd**.
- M.Harini, **K.Kavitha**, V.Prabakaran, A.Krithika, S.Dinesh, A.Rajalakshmi, G.Suresh, R.Puvanakrishnan and B.Ramesh. **2024**. Identification of apigenin-4'-glucoside as bacterial DNA gyrase inhibitor by QSAR modeling, molecular docking, DFT, molecular dynamics, and in vitro confirmation studies. **Journal of Molecular Modeling**, 30, 22. **Impact Factor – 2.2** Publisher- **Springer**.
- **Kuppuswamy Kavitha**, Selvaraj Bharathi, Arumugam Rajalakshmi, Manickam Ramesh, Perumal Padmini, Gopal Suresh, Veerasamy Guruchandran, Mani Prakash, Rengarajulu Puvanakrishnan, Balasubramanian Ramesh **2023**. Selenium nanoparticles stabilized by fungal chitosan with antibacterial activity – synthesis and characterization. **Particulate Science and Technology**, 1-13. **Impact Factor- 2.68** Publisher -**Taylor and Francis Ltd**.
- Elamaran Anjukam, Manickam Ramesh, Arumugam Rajalakshmi, **Kuppuswamy Kavitha**, Mani Prakash, Gopal Suresh, Rengarajulu Puvanakrishnan, Balasubramanian Ramesh **2023**. Molecular characterization of potent antibacterial compound 4-(3-methylazetid-1-yl) pentan-2-ol from *Calophyllum inophyllum* seed oil. **Biocatalysis and Agricultural Biotechnology**. 47: 102617. **Impact Factor – 4** Publisher- **Elsevier**
- M. Ramesh, **K. Kavitha**, A. Rajalakshmi, E. Anjukam, V. Prabakaran, M. Prakash, R. Puvanakrishnan and B. Ramesh, **2022**. 4a-methyl-dodecahydro-1H-pyrrolo[3,4-b] quinoline-6-one produced by Endophytic Fungi *Aspergillus niger* E12 obtained from *Dodonaea viscosa* Plant Leaves as a Novel Antibacterial Compound. **Applied Biochemistry and Biotechnology**, **Impact Factor – 3.0** Publisher- **Springer**.

- A. Rajalakshmi, E. Anjukam, M. Ramesh, **K. Kavitha**, R. Puvanakrishnan and B. Ramesh, **2022**. A novel colorimetric estimating iron in magnetosomes of magnetotactic bacteria based on linear regression. **Archives of Microbiology**, 204:282. **Impact Factor – 2.8** Publisher- **Springer**.
- Arumugam Rajalakshmi, Manickam Ramesh, Ellappan Divya, **Kuppuswamy Kavitha**, Rengarajulu Puvanakrishnan, Balasubramanian Ramesh. **2021**. Production and characterization of naturally occurring antibacterial magnetite nanoparticles from magnetotactic *Bacillus* sp. MTB17. **J Appl Microbiology**. 00:1– 11. **Impact Factor – 4.0**, Publisher- **Wiley-Blackwell**
- C Deepa, G Suresh, P Devagi, A Kowsalya, **K. Kavitha**, B Ramesh. **2021**. Evaluation of the antibacterial activity of silver nanoparticles, doxycycline, collagen and their amalgamation – An *in vitro* study. **Materials Today: Proceedings**. **Cite Score - 2.5**, Publisher- **Elsevier**
- **Kuppuswamy Kavitha**, Subramaniam Sivakumar, Balasubramanian Ramesh. **2020** 1,2,4 triazolo[1,5-a] pyrimidin-7-ones as novel SARS-CoV-2 Main protease inhibitors: In silico screening and molecular dynamics simulation of potential COVID-19 drug candidates. **Biophysical chemistry** 267, 106478. **Impact factor- 3.8** Publisher- **Elsevier**
- Balasubramanian Ramesh, Govindababu Kavitha, Sendurpandi Gokiladevi, Rajagopal K Balachandar, **Kuppuswamy Kavitha**, Akelayil C Gengadharan, Rengarajulu. **2020** Effect of Extremely Low Power Time-Varying Electromagnetic Field on Germination and Other Characteristics in Foxtail Millet (*Setaria italica*) Seeds. **Bioelectromagnetics** Vol.41 Issue-7 526-539. **Impact factor- 1.9** Publisher- **Wiley**
- S. Balamurugan, B.Ramesh , **K.Kavitha** and V. Guruchandran. Design of novel microbial fuel cell and effect of humic acid on bioelectricity generation. **Asian Jr. of Microbiol. Biotech. Env. Sc.** Vol. 21 (February Suppl): **2019**: S269-S271.

## OTHER PUBLICATIONS

- **K. Kavitha**, P. Aarthi, M. Mani **2022**. Endophytic fungi *Fusarium equiseti* EF2 isolated from *Leucas aspera*: A novel biocontrol agent against *Culex* sp., **International Journal of Life Science and Pharma Research**. Vol. 12(6), L107-117.
- **Kavitha Kuppuswamy**; Suganya Arumugam; Rani, Kuppusamy Umaa; Ramesh Balasubramaniyan, **2017**. Screening and Partial Purification of Hydroxamate Type Siderophore from *Pseudomonas* sp. *Int. J. Curr. Microbiol. App. Sci.* 6(9); 2380-2385.
- Vijayameena C, and **Kavitha K.**, Studies and Evaluation of Phytosynthetic Silver Nanoparticles against UTI Causing Pathogens, *International Journal of Current Biotechnology.*, **2013**,1(1):22-24.
- B.Ramesh, V.Prabakaran, **K.Kavitha**, G.Suresh, N.Ravichandran and G.Vijaiyansiva, **2010**. Antimicrobial peptide from *Euphlyctis Hexadactylus* and its Efficacy against Plant Pathogens. *International Journal of Current Research.* 6: 14-17. **ISSN: 0975-833X**.

- B.Ramesh, **K.Kavitha**, G.Suresh, B.Usharani, N.Ravichandran and G.Vijaiyansiva, **2010**. Studies on distribution of biosurfactant producing bacteria in contaminated and undisturbed soils of Kanchipuram. Australian Journal of Basic and Applied Sciences. 4(9): 4429-4434. ISSN 1991-8178.
- S.Sivakumar, B.Ramesh, **K.Kavitha**, V.Gopalakrishnan and V. Kanniyappan, **2010**. Bitter Gourd (*Momordica charantia*) Peroxidase in decolorization of Dyes from Tannery Effluent. Recent Research in Science and Technology. 2(2): 49-53. ISSN: 2076-5061.
- G.Suresh, B.Ramesh, **K.Kavitha**, N.Ravichandran, A.Suresh, V.Gopalakrishnan and G. Vijaiyan Siva, **2010**. Preliminary screening of antibacterial compounds from Palar river basin flora. Journal of Phytology. 2(2):24-29. ISSN: 2075-6240,
- C.Vijayameena, V.Guruchandran, M.Janani, **K.Kavitha** and B.Ramesh, **2012**. Effect of Random mutagenesis on enhanced synthesis L-Asparaginase by *Fusarium solani*. Microbiology newsletter, 2 (2): 6-10. 2231-136X.
- **Kuppuswamy Kavitha** and Balasubramanian Ramesh, **2012**. Chitosan –A Wonder Material for Biomedical and Other Industrial Applications. Bhamathi Microbiology newsletter, 2 (1): 18-23. 2231-136X.
- **Kavitha, K.** and B.Ramesh, **2011**. Alkaliphiles and alkaline lipases: A new insight into an old enzyme. Bhamathi Microbiology newsletter, 1 (2): 15-18. ISSN: 2231-136X.

#### BOOK PUBLICATIONS:

Work shop manual - Workshop on Diagnostic microbiology in collaboration with Himedia – ISBN-13: 978-6202081382 -LAP LAMBERT academic publishing.

#### BOOK CHAPTERS:

- **Fish Vaccines-** Health management for sustainable aquaculture – **CRC press Taylor and Francis Group-Chapter 4- Concepts and Types of Vaccines** page no- 49, **2023** Subramaniam Sivakumar, Panneerselvam Punniyakotti, **Kuppuswamy Kavitha**, and Panneerselvam Saravanan

#### NUCLEOTIDE DATABASE SEQUENCE PUBLISHED:

- **Kavitha,K.**, Logesh,A. and Ramesh,B. **2024**. Antibacterial activity of *Aspergillus niger* EF- 9 isolated from *Alstonia scholaris* **GenBank accession no: PP584576**
- **Kavitha,K.**, Deepika,S. and Ramesh,B. **2024**. Antibacterial activity of *Aspergillus terreus* EF-4 Isolated from *Barleria prionitis* **GenBank accession no: PP541578**
- **Kavitha,K.**, Chandrasekar,D. and Ramesh,B **2024**. Antibacterial activity of *Fusarium* sp isolated from *mimosa pudica*. **GenBank accession no: PP541576**
- **Kavitha,K.**, Rakesh,R. and Ramesh,B. **2024**. Antibacterial activity of *Fusarium equiseti* isolate EF-7 isolated from *Swertia chirata*, **GenBank accession no: PP541400**
- **Kavitha,K.**, Ramesh,M., Ramesh,B. and Prakash,M. **2022**. *Aspergillus aculeatus* isolate EF4 small subunit ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence. **GenBank accession no: ON797441**

- **Kavitha,K.,** Thamaraiselvan,K., Manikandan,S., Kavitha,R. Ramesh,M., Prakash,M. and Ramesh,B.**2022.** Isolation and characterization of endophytic fungi EF-17-*Aspergillus oryzae* from plant leaf sample. **GenBank accession no: OM095430.1**
- **Kavitha,K** and Prakash,M.**2020** Isolation of endophytic fungi *Aspergillus niger* EF-6 from leaves of *Holoptelea integrifolia* and characterization of antibacterial bioactive compounds. **GenBank accession no MT793268.1**
- **Kavitha, K.,** Dinesh. S., Ramesh. M. and Ramesh. B.**2020.** Bio degradation of endocrine disrupter Benzyl Butyl Phthalate using *Klebsiella pasteurii* S-21. **GenBank accession no: MT162712**
- **Kavitha, K.,** Bhavithra. J., Ramesh. M. and Ramesh. B. **2020.** Isolation and characterization of Zinc solubilizing *Pseudomonas aeruginosa* strain ZNSB-13 from rhizosphere soil of groundnut plant. **GenBank accession no: MT162696**
- **Kavitha. K.,** Merlin Preetha. S., Ramesh. M. and Ramesh, B. **2020.**Isolation and Characterization of Black dye degrading *Bacillus amyloliquefaciens* strain DDB-10 from contaminated soil samples. **GenBank accession no: MT162458**
- **Kavitha, K.,** Thirumoorthy. R., Ramesh. M. and Ramesh. B. **2020.** Isolation and characterization of anti-bacterial compound from endophytic *Fusarium ambrosium* EFT-9. **GenBank accession no: MT179765**
- **Kavitha,K.,** Raghu,N., Ramesh,M. and Ramesh,B., **2019.** *Aspergillus* sp. isolate EF8 small subunit ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence. **GenBank: MK738129.1**
- **Kavitha,K.,** Aarthi,P., Ramesh,M. and Ramesh,B., **2019.** *Fusarium equiseti* isolate EF-2 small subunit ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence. **GenBank: MK733980.1**
- **Kavitha,K.,** Prakash,G., Ramesh,M. and Ramesh,B., **2018.** *Aspergillus* sp. strain EF-1 small subunit ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence. **GenBank: MH064483.1.**
- **Kavitha,K.,** Yuvaraj,U., Ramesh,M. and Ramesh,B., **2018.** *Lasiodiplodia pseudotheobromae* strain CEF-9 small subunit ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence. **GenBank: MH062942.1.**
- Ramesh,B., Divya,E., Ramesh,M., **Kavitha,K.** and Puvanakrishnan,R., **2018.** *Bacillus* sp. (in: Bacteria) strain MTB17 16S ribosomal RNA gene, partial sequence. GenBank: MH062891.1.
- Harshini Teja,S., Ramesh,M., **Kavitha,K.** and Ramesh,B., **2018.** *Aspergillus awamori* strain E6 small subunit ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence. **GenBank: MH062890.1.**
- **Kavitha,K.,** Padmini,P., Tamilvannan,V., Suresh,G. and Ramesh,B., **2017.** *Aspergillus niger* strain SS4 small subunit ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence. **GenBank: KY657577.1.**

- **Kavitha,K.**, Gomathy,M. and Ramesh,B., **2016**. Bacterium S13 AtzA (atzA) gene, partial cds. **GenBank: FJ907175.1**.
- **Kavitha,K.**, Saranya,V. and Ramesh,B., **2011**. *Bacillus licheniformis* strain AL5 16S ribosomal RNA gene, partial sequence. **GenBank: JF709975.1**.
- **Kavitha,K.**, Durga,G. and Ramesh,B., **2011**. *Bacillus subtilis* strain B5 16S ribosomal RNA gene, partial sequence. **GenBank: JF709974.1**.
- Venkatesan,R., **Kavitha,K.** and Ramesh,B., **2011**. *Streptomyces albidoflavus* strain AS-9 16S ribosomal RNA gene, partial sequence. **GenBank: JF738110.1**.
- **Kavitha,K.**, Sharmila,K., Sivakumar,S., Gopalakrishnan,V. and Ramesh,B.,**2010**. *Bacillus subtilis* strain AL2 alkaline lipase-like gene, complete sequence. **GenBank: HM053975.1**.
- **Kavitha,K.**, Sharmila,K., Sivakumar,S., Gopalakrishnan,V. and Ramesh,B.,**2010** *Bacillus subtilis* strain AL2 16S ribosomal RNA gene, partial sequence. **GenBank: HM053974.1**.
- Ramesh,B., Srinath,N., **Kavitha,K.**, Usharani,S. and Vijaiyan siva,G., **2010**. Bacterium VELCS-14 16S ribosomal RNA gene, partial sequence. **GenBank: EU625353.1**

### 13. MEMBERSHIP IN PROFESSIONAL BODIES:

- Associate Editor Bhamathi Microbiology News Letter, ISSN: 2231-136X from January 2011 Issue.
- Member board of studies, Department of Microbiology, Sri Sankara arts and college Enathur,2015 to till date.

### 14. IMPROVEMENT OF PROFESSIONAL COMPETENCE:

- Completed a MOOC platform NPTEL course on Research methodology with **ELITE certificate (Feb-Apr 2024)** and completed the **Faculty Development Program** through NPTEL for the duration of **8 weeks (Feb- Apr 2024)**
- Completed UGC sponsored online 14<sup>th</sup> Guru Dakshata **Faculty induction program- 2023** with **Grade A** conducted by UGC- Human resource development center, University of Allahabad.
- Completed a MOOC platform NPTEL course on **Cell culture technologies** with **ELITE certificate (Jul-Sep 2021)** and completed the **Faculty Development Program** through NPTEL for the duration of **8 weeks (Jul- Sep 2021)**
- Completed a MOOC platform NPTEL course on **Bioenergetics of life processes** with a score of 77% (Feb- March **2020**) for the duration of **4 weeks**.
- Completed a MOOC platform NPTEL course on **Functional Genomics** with **ELITE certificate (Aug-Sep 2019)** and completed the **Faculty Development Program** through NPTEL for the duration of **4 weeks (Aug- Sep 2019)**.
- Completed a MOOC platform NPTEL course on **Nanotechnology in agriculture** with **ELITE certificate (Aug-Sep 2018)** and completed the **Faculty Development Program** through NPTEL for the duration of **8 weeks (Aug- Sep 2018)**.

### 15. ONLINE CERTIFICATION PROGRAM.

- **Infection Prevention and Control (IPC) for Novel Coronavirus (COVID-19)** conducted by World health organization on April 10, 2020.

- **E-PROTECT Respiratory Infections (EN)** conducted by World health organization on April 22, 2020.

## 16. SEMINARS, CONFERENCES ORGANIZED /PARTICIPATION:

### PRESENTATIONS

- Presented an **oral paper** entitled- Identification and Analysis of Antibacterial Agents from EF-5 Endophytic Fungi Extracted from *Ficus religiosa* in the National conference on Biotechnological Advances in Biomedical, Environmental and Agricultural Technology, organized by the Department of Biotechnology on 13<sup>th</sup> February 2024
- Presented an **oral paper** entitled- Unlocking Zinc Potential: The Impact of Zinc solubilising bacteria on Plant Development and Nutrient Absorption in the international conference on molecular basis of cancer and prevention held on **7<sup>th</sup> and 8<sup>th</sup> February 2024** organised by Department of life science, PRIST Deemed to be university, Thanjavur.
- Presented an **oral paper** entitled – Exploration and profiling of antibacterial agents from *Hamelia patens* in the National Conference on “Revolutionary Application of Nutraceuticals and Functional foods as Next- Generation Metabolites- A Biotechnological Approach via Sustainable Agriculture” held on **07<sup>th</sup> & 08<sup>th</sup> September, 2023** organized by Department of Biochemistry and Crop Physiology, SRM Institute of Science and Technology, Chennai.
- Presented an **oral paper** entitled- Isolation and characterization of antibacterial compound produced by *Aspergillus aculeatus* EF4-endophytic fungi obtained from plant leaves in the “International Conference on Applications of Natural Products Nanomaterials and Nano-pharmaceuticals (ICAN3)” held on **August 9 & 10, 2023** organized by School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai.
- Presented an **oral paper** entitled- Screening and characterization of antibacterial compounds from the *Thespesia populnea* in the Two- days National Conference on “Biotechnology for sustainable agriculture and health care” held on **23<sup>rd</sup> – 24<sup>th</sup> March 2023** organized by School of Biotechnology, Madurai Kamaraj University, Madurai.
- Presented an **oral paper** entitled - Partial purification and characterization of antibacterial compounds from endophytic fungi in the National e-Conference on “Bioprospecting of Marine derived metabolites for promising biotechnology applications: Current and future prospects” held on **29<sup>th</sup> to 31<sup>st</sup> December 2021** organized by Centre for Drug Discovery and Development, Col. Dr. Jeppiaar Research Park, Sathyabama Institute of Science and Technology, Chennai.
- Presented an **oral paper** entitled- Screening, partial purification and characterization of antibacterial compound from endophytic fungal strain EF-9 (ID/ABSD OP34) in the International E- Conference Applied Bioscience for sustainable development held on **3-4 September 2021** organized by Dept of Microbiology and Biochemistry, St. Pious X Degree & PG College, Hyderabad, Telangana.

## ORGANIZED/ PARTICIPATED

S. No.	Program Attended	Place	Organized/ Participated	Period
1.	National seminar on marine natural products as pharmaceutical agents	Centre for ocean research. Sathyabama University	Participated	17 <sup>th</sup> &18 <sup>th</sup> September, 2019.
2.	International conference on “Contemporary praxis in Academics &Research: A multidisciplinary approach”	Asan Memorial college of arts and science	Participated	12 <sup>th</sup> October 2019.
3.	International conference on Recent advances in biomedical technology RABT 2018	Department of Biotechnology, Thiruvalluvar university Vellore	Participated	29-31 <sup>st</sup> august 2018.
4.	Recent Advances in Zebra Fish Immunology research: An ideal model For Human Health	Centre for Drug Discovery and Development, Sathyabama University.	Participated	20 <sup>th</sup> and 21 <sup>st</sup> September 2017.
5.	"Biomarkers in Clinical Research"	Dept. of Biochemistry, Sri Sankara Art and Science College, Kanchipuram	Participated	8 <sup>th</sup> March, 2017.
6.	“Bio entrepreneurship and Funding Opportunities”	Dept. of Biotechnology, Sri Sankara Art and Science College, Kanchipuram	Participated	8 <sup>th</sup> September, 2017.
7.	International Conference on Biotechnology and its applications in Aquaculture and Fisheries”	CAS Marine Biology, Annamalai University	Participated	23-25, August 2017.
8.	“International Conference on Recent Advances in Bioresource Technology”	Dept. of Biotechnology, Thiruvalluvar University, Vellore	Participated	15 <sup>th</sup> -17 <sup>th</sup> February 2017.
9.	National Conference on “Clinical Applications of Biomaterials”	Dept. of microbiology Sri Sankara arts and science college	Member, Organizing committee.	22 <sup>nd</sup> Feb, 2018.



10.	2 nd National Conference on “Frontiers in Translational Microbiology.	Dept. of microbiology Sri Sankara arts and science college	Member, Organizing committee.	28 <sup>th</sup> -29 <sup>th</sup> Jan 2016.
11.	1 st National Conference on “Frontiers in Translational Microbiology.	Dept. of microbiology Sri Sankara arts and science college	Member, Organizing committee.	8 <sup>th</sup> Jan 2015.
12.	“ELIXIR 2013” Science Exhibition for School Students.	Life Science Departments	Member, Organizing committee.	10-11 <sup>th</sup> Oct, 2013.
13.	“ELIXIR 2012” Science Exhibition for School Students.	Life Science Departments	Member, Organizing committee.	10-11 <sup>th</sup> Oct, 2012

#### 17. PARTICIPATED AS RESOURCE PERSON:

S. No.	Program	Venue	Period
1.	Oncocon- 2019	Meenakshi medical college hospital & research Institute Enathur, Kanchipuram.	19 <sup>th</sup> October 2019
2.	National level workshop on Diagnostic microbiology in collaboration with Himedia laboratories	Sri Sankara arts and science college	25 <sup>th</sup> & 26 <sup>th</sup> September-2017.
3.	Value added milk and milk products- production and preservation” in Application of Science and technology in rural areas (ASTRA-2017) sponsored by Tamilnadu State council for Science and Technology	Kanchi Shri Krishna college of arts and science, Kanchipuram	18 <sup>th</sup> September 2017.

#### 18. WORKSHOP & TRAINING PROGRAMS:

S. No.	Programs	Venue	Period
1.	Workshop on the art of writing winnable projects	Dept. of Biotechnology, Sri Sankara arts and science college. Kanchipuram	12 <sup>th</sup> July 2019

2.	Technical Writing and Publishing with Advanced Computer Tools: Hands-On Training	IIITDM Kancheepuram	8-9 September 2018
3.	Microscopy and Photomicrography	Dept. of Microbiology, D.G. Vaishnav College	27 September 2011

#### 19. TITLES OF M.SC., DISSERTATION'S GUIDED

S. No	NAME OF THE STUDENT	REGISTER NUMBER	TITLE OF THE THESIS	YEAR
1	D.CHANDRASEKAR	2201212041002	Isolation, partial purification and characterization of the antibacterial compound from Endophytic fungus <i>Fusarium sp</i> EF-3 from <i>Mimosa pudica</i>	2024
2	R. RAKESH	2201212041009	Isolation, partial purification and characterization of the antibacterial compound from Endophytic fungus <i>Fusarium equiseti</i> EF-7 from <i>Swertia chirata</i>	2024
3	S. DEEPIKA	2201212041017	Isolation, partial purification and characterization of the antibacterial compound from Endophytic fungus <i>Aspergillus terreus</i> EF-4 from <i>Barleria prionitis</i>	2024
4	A. LOGESH	2201212041007	Isolation, partial purification and characterization of the antibacterial compound from Endophytic fungus <i>Aspergillus niger</i> EF-9 from <i>Alstonia Scholaris</i>	2024
5	L. ARULARASAN	2201212041001	Biosynthesis, characterization, and antimicrobial activity of selenium Nanoparticles	2024
6	V.BHAVANTHIKA	2101212041010	Screening and characterization of antibacterial compound from EF-5 Endophytic fungi isolated from <i>Ficus religiosa</i>	2023
7	R. CHOZHAN	2101212041001	Screening and characterization of antibacterial compounds from <i>Hamelia patens</i>	2023

8	V.HARINIPRIYA	2101212041012	Screening and characterization of antibacterial compounds from <i>Thespesia populnea</i>	2023
9	B. RAMYA	2101212041017	Screening and characterization of antibacterial compound from EF-2 Endophytic fungi isolated from <i>Tecoma stans</i>	2023
10	GOPALA KRISHNAN	2001212041015	Screening for antibacterial compounds producing endophytic fungi from plants of Siruvanjur hills	2022
11	A. VENKAT ADITHYA	2001212041006	Screening for antibacterial compounds producing endophytic fungi from plants of Pudhur hills	2022
12	S. MANIKANDAN	1901212041005	Isolation of Endophytic fungi from Siruvanjur hills and screening for its antibacterial secondary metabolites	2021
13	R. KAVITHA	1901212041016	Isolation and screening of Endophytic fungi from Siruvanjur hills	2021
14	R. ASHWINI	1901212041010	Isolation and characterization of zinc solubilizing bacteria	2021
15	THAMARAI SELVAN	1901212041008	A study on endophytic fungi and its characterization	2021
16	S. DINESH	1801212041003	Isolation and characterization of the Bacterial strain degrading the Endocrine Disrupting-Benzyl Butyl Phthalate (BBP)	2020
17	R.THIRUMOORTHY	1801212041005	Partial purification and characterization of antibacterial compounds from endophytic fungi using by plant leaves	2020
18	J. BAVITHRA	1801212041008	Isolation and characterization of zinc solubilizing bacteria	2020
19	S. MERLIN PREETTA	1801212041016	Isolation and characterization of dye decolorizing bacteria ddb-10, <i>Bacillus amyloliquefaciens</i> from soil samples	2020
20	P. ARTHI	1701212041008	Isolation of endophytic fungi <i>Fusarium equiseti</i> Ef-2 from <i>leucas aspera</i> and assessment of mosquito larvicidal	2019
21	N. RAGHU	1701212041005	Isolation of endophytic aspergillus sp. Ef8 from <i>Emblica officianalies</i> and characterization of antibacterial bioactive compounds	2019

22	N. TAMILARASI	1701212041024	A study on antibiotic resistance patterns of urinary tract pathogens isolated from Kanchipuram population	2019
23	G. PRAKASH	P16MY005	“Isolation and characterization of antibacterial compound from endophytic <i>Aspergillus sp.</i> Ef-1”	2018
24	U. YUVARAJ	P16MY012	Screening, partial purification and characterization of antibacterial compound bis(2-ethylhexyl) phthalate from endophytic <i>Lasiodiplodia pseudotheobromae</i> strain-e9”	2018
25	HONEST RAJ	P15MY001	Surveillance study on antibiotic resistance patterns of bacterial uropathogens in kanchipuram	2017
26	P. PADMINI	P15MY010	Chitosan production by <i>Aspergillus niger</i> ss4 and its ptimization by response surface methodology: application studies on dye degradation	2017
27	R. INDRA	611400225	synthesis, characterization and determination of antioxidant properties of chitosan coated selenium nanoparticles.	2016
28	R. RUTHRA	611300158	A study on antibacterial activity of Entophytic fungus <i>Aspergillus Sp.</i> EF15	2015
29	K. DEVI	2320184	Isolation and characterization of antibacterial agents producing endophytic fungi from medicinal plants	2014
30	G. SWATHI	2310165	Isolation and characterization of biosurfactant producing bacteria from compost samplss	2013
31	M.J. YAMUNA	2300152	Adrenochrome semicarbazone sulphonate as a novel inhibitor against ESBL isolates form urine sample.	2012
32	R. RAJA	2290163	Phytochemical screening and bio efficacy of <i>Ruellia tuberosa</i> linn	2011
33	N. DEEPA	2290166	Studies on antimicrobial and anticancer propertice of chitosan from <i>Aspergillus niger</i>	2011
34	G. DURGA	2290168	Bio emulsifier from <i>Bacillus subtilis</i> : optimization and characterization studies.	2011
35	V.SARANYA	2290175	Screening, isolation and optimization of alkaline lipase <i>Bacillus licheniformis</i> .	2011

36	M.V. TAMILVANNAN	2281087	Adrenochrome semicarbazone sulfonate as novel inhibitor of beta-lactamase identified by QSAR studies.	2010
37	R. DEEPIGA	2281088	Polyphenol from <i>Calotropies gigantea</i> as potent antibacterial agent.	2010
38	J. JAYASHREE	2281094	A surveillance study on the microflora of dental caries and efficacy of different tooth paste against the isolates.	2010
39	K. SHARMILA	2281102	Molecular characterization and optimization of alkaline lipase from <i>Bacillus subtilis</i> .	2010
40	R. GAYATHRI	2270223	Alkaline lipase from <i>Micrococcus</i> species: Optimization studies using response surface method	2009
41	M.GOMATHI	2270226	Atrazine degradation by <i>Acidomonas</i> species and molecular characterization of AtzA gene	2009
42	A. SUGANYA	2270233	Screening and partial purification of hydroxamate type siderophore from <i>Pseudomonas</i> species.	2009
43	M.PRABAVATHI	2250958	Studies on biodegradable films based on chitosan matrix extracted from mycelium of <i>Mucor</i> species.	2007
44	B. USHARANI	2250962	Studies on distribution of biosurfactant producing bacteria in undisturbed and contaminated soils of Kanchipuram.	2007
45	P. AMUDHA	2240870	Surveillance of multidrug resistant nosocomial pathogens and isolation of host specific bacteriophage from the Government hospital, Kanchipuram.	2006
46	V.BHUVANA	2240871	Detection of mutagenic agents using <i>Salmonella typhimurium</i> TA100 reverse mutation test	2006

