

## STAFF PROFILE

1	<b>Name</b>	:	Dr. B. Lavanya
2	<b>Designation</b>	:	Assistant Professor
3	<b>Qualification</b>	:	M.Sc., M. Tech., Ph. D
4	<b>Mobile number</b>	:	9843982704
5	<b>E-mail id</b>	:	<a href="mailto:lavyabiochem@auxiliumcollege.edu.in">lavyabiochem@auxiliumcollege.edu.in</a> ; <a href="mailto:lavya.krish13@gmail.com">lavya.krish13@gmail.com</a>
6	<b>Teaching Experience</b>	:	6 Years
7	<b>Area of specialization</b>	:	Enzymology, Protein science, Proteomics and Metabolomics
8	<b>Positions Held in Auxilium</b>	:	Enviro club coordinator – Shift II
9	<b>Research Experience</b>	:	7 Years
10	<b>No. of Papers Published</b>	:	8
11	<b>No. of Papers Presented in the National/International/ Seminars/Workshop/ Conferences</b>	:	3
12	<b>No of Conference/Workshop Attended</b>	:	5
13	<b>No of Seminars/Workshops/Conferences Organized</b>	:	Seminars - 2 Workshops - 2
14	<b>Current Responsibilit</b>	:	• Enviro club coordinator – Shift II
15	<b>Membership in professional bodies</b>	:	• Life time member in Nature Science Foundation • Life time member in Society for Chemical and Synthetic Biology
16	<b>Honors &amp; awards received</b>	:	• Awarded CSIR - SRF
17	<b>No of Online Courses completed (Minimum of 4 Weeks)</b>	:	LibreOffice suite Writer LibreOffice suite Calc and LibreOffice suite Impress

## PUBLICATIONS

### Publications in Journals

- Rasool M, Sabeena EP and **Lavanya B.** ‘Anti inflammatory effect of *Spirulina fusiformis* on Adjuvant induced arthritis in Mice’, Biological Pharmaceutical Bulletin, 2006. Vol. 299120, pp 2483-2487.
- **Lavanya B,** Sowmiya S and Muthuvelan B. ‘Plasmid profiling and curing of *Lactobacillus* strains isolated from fermented milk for probiotic applications’, Advanced Journal of Food Science and Technol, 2011. pp 95-101.
- **Lavanya B,** Sowmiya S and Muthuvelan B. ‘Screening and characterization of lactic acid bacteria from fermented milk’, IJA&PT, Nov- 2011 Vol. 3, pp 137-145.

- Balaji S, Kadiyala Gopi, **Lavanya B** and Muthuvelan B. ‘Isolation and Optimization of poly  $\beta$  hydroxybutyrate producing cyanobacterial strains’, International Journal of Applied Biology and Pharmaceutical Technology, 2012, Vol. 3, Issue 1, pp 137-145.
- **Lavanya B** and Jayaraman G. ‘Metal ion activated lipase from halotolerant *Bacillus sp.* VITL8 displays broader operational range’, International Journal of Biological Macromolecules. 2014, Vol 67, pp 380-386.
- Jabeena C, **Lavanya B**, Kumar JGSP and Gurunathan J. ‘Production and characterization of halotolerant cellulose from *Bacillus aquimaris* VITP4 Strain’, International Journal of Pharmacy and Biosciences, 2015, Vol.5, Issue 2, pp 412-424.
- Jabeena Thaz C, **Lavanya B** and Jayaraman G. ‘Optimization of Parameters for Enzymatic Activity of Serine Protease from halotolerant Bacterium *Bacillus aquimaris* VITP4 by Response Surface Methodology and Evaluation of its Storage Stability’, Iranian Journal of Biotechnology 2016, Vol. 14, Issue1, pp 23-32.
- **Lavanya B**, Jabeena Thaz C and Jayaraman G. ‘Optimization of extracellular lipase production by halotolerant *Bacillus sp.* VITL8 using factorial design and applicability of enzyme in pretreatment of food industry effluents’, Preparative Biochemistry & Biotechnology, 2020, Vol. 20 Issue 4.

#### FDP’s/ Seminars/Workshops/Webinars

##### Workshops

- Participated in National Level Workshop on “DNA Barcoding” organized by Department of Biotechnology, Islamiah College (Autonomous), Vaniyambadi.
- Attended Workshop on Plants and Algae- “From Basic Biology to Advanced Biotechnology” organized by Centre for Ocean Research, Sathyabama University.
- Attended training program on “Effective use of EBSCO Business source for quality research” conducted by EBSCO & Auxilium College
- Participated in IP Awareness/Training program organized by Intellectual Property Office, India.

## **Webinars**

- Participated in Webinar on “COVID-19 and Indian Traditional Medicine System” organized by Department of Zoology, Sri GVG Visalakshi College for Women (Autonomous)
- Participated in National Level Webinar on “Novel symptoms and asymptomatic carriers- Issues in COVID-19 Pandemic” organized by Department of Microbiology, St. Pious X Degree & PG College for Women, Nacharam, Hyderabad.
- Participated in webinar on “Online Learning Tools Post COVID-19” organized by the Department of Electronics and Instrumentation Engineering, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kanchipuram
- Attended International Webinar on “Development of Antibody-based theranostic radiopharmaceuticals for triple negative breast cancer” organized by PG Department of Biochemistry, Auxilium College(Autonomous)

## **FDP's**

- ◆ Participated in FDP program on “ Teaching Pedagogy after COVID- 19” organized by Department of Commerce and Economics, Bharath Institute of Higher Education and Research.
- ◆ FDP on Developmental techniques in Biological sciences organized by Department of Biotechnology, SRM Institute of Sciences and Technology.
- ◆ FDP on Outcome Based Education organized by IQAC of Auxilium College in association with IPSR solutions.
- ◆ FDP on Libre Office Suite organized by Auxilium College (Autonomous) in association with Spoken tutorial IIT Bombay.

## **Seminars/Conference**

- ◆ Participated in International E-conference on “Strategies & Challenges in Higher Education during COVID-19” organized by Government Vidarbha Institute of Science & Humanities, Amravati.