



JAYANT PRADEEP PARPALLIWAR

Assistant Professor, Department of Biotechnology

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OVERVIEW:

Qualifications: ME (Biochemical Engineering & Biotechnology), BE (E&TC)
Experience: Teaching -15 years.
Date of Joining STES: 11/07/2022
Skills and Proficiencies: Fermentation, Downstream Processing.

SIGNIFICANT ACHIEVEMENTS:

- Reviewer for Manuscript titled Production of sweet and high biomass sorghum lines with optimized cell wall components for increased Biofuel bioconversion yield.

AREA OF EXPERTISE /RESEARCH INTERESTS:

- Fermentation, Biotechnology of Waste Water Treatment.

NUMBER OF STUDENTS GUIDED:

- PG – 00, UG – 02 Groups

RESEARCH PULICATIONS:

Publication Summary:

Scopus/ SCI-01

International Journal: 10

Conference : 13

h-index : 01

I10 index : 01

<https://scholar.google.com/citations?user=NZ-ag10AAAAJ&hl=en>

FUNDED RESEARCH PROJECT:

- Co-Principal Investigator for Research Project on Design and Fabrication of Lab Scale Solid State Fermenter for the Production of Value added products during A.Y. 2013-14 funded by Department of Science & Technology, Govt. of India through IEDC (Innovation and Entrepreneurship Development Center), DST, Govt. of India with financial assistance of Rs. 1 Lakh.
- Co-Principal Investigator for Research Project on Fermentative production of Bacillus protease

using vegetable waste as substrate during A.Y. 2014-15 funded by Department of Science & Technology, Govt. of India through IEDC (Innovation and Entrepreneurship Development Center), DST, Govt. of India with financial assistance of Rs. 1 Lakh.

- Co-Principal Investigator for Research Project on Study on Fermentative Production and Purification of Amino Acids From Agricultural Waste during A.Y. 2014-16 funded by Rajiv Gandhi Science and Technology Commission, NMU Centre, Jalgaon with financial assistance of Rs. 2 Lakh.
- Co-Principal Investigator for Research Project on Production, Purification, and Characterization of a Bacterial Xylanase Using Spent Grain & Sugar Cane Bagasse as Substrate during A.Y. 2015-16 funded by Department of Science & Technology, Govt. of India through IEDC (Innovation and Entrepreneurship Development Center), DST, Govt. of India with financial assistance of Rs. 1 Lakh.
- Co-Principal Investigator for Research Project on Fermentative production and Characterization of Actinomycin by *Streptomyces antibioticus* using *Protein Rich Supplements as Substrate* during A.Y. 2016-17 funded by Department of Science & Technology, Govt. of India through IEDC (Innovation and Entrepreneurship Development Center), DST, Govt. of India with financial assistance of Rs. 1 Lakh.
- Co-Principal Investigator for Research Project on Extraction of Collagen from Fish Waste during A.Y. 2017-18 funded by Shram Sadhana Innovation and Entrepreneurship Development Center (SSIEDC) with financial assistance of Rs. 40000/-.

RESEARCH WORK:

M.E. Research Work:

- “Extraction of Silver from Used X-Ray Films using *Bacillus* Protease Enzyme”.
- The research was conducted under the guidance of Under the guidance of Dr. Pallavi S. Patil, Associate Professor and Head, Department of Biotechnology Engineering, KIT’s, College of Engineering, Kolhapur.

SUBJECTS TAUGHT:

- Introduction to Immunology
- Fermentation Technology
- Stem Cell Biology & Regenerative Medicine
- Fluid Flow and Unit Operations.
- Downstream Processing
- Thermodynamics
- Genetic Engineering
- Plant Biotechnology
- Biotechnology of Waste Treatment
- Bioprocess Industries

- Enzyme Engineering
- Molecular Biology
- Molecular Biology of Cancer

FDP/STTP/SDP/WORKSHOPS ORGANIZED AS A COORDINATOR:

- ISTE sponsored one-week online STTP titled Recent Advances in Deep Learning and its multidisciplinary approach, Sinhgad College of Engineering, Pune, 23-28 January 2023.
- TEQIP funded “One-week Staff Development Program on Troubleshooting and Maintenance of Electronic Instruments”, December 03-07, 2012. Venue: SCOE, Pune
- AICTE Sponsored “Two-week Staff Development Program on Advanced Digital Signal Processing” at SCOE from 3-13 December 2007, Venue: SCOE, Pune
- Two days workshop for Engineering Teachers on “Latex for Paper Writing” at SCOE from 24-15 September 2010 Venue: SCOE, Pune.
- Dept. Co-Ordinator for three online FDP’s organized by DELLSOFT Pvt. Ltd. on Circuit Simulation, Power System Analysis & Design, Network Simulation on 12th and 13th Oct 2017. (Each of duration – one day)

FDP/STTP/SDP ATTENDED:

- Attended one week Faculty Development Program on Recent Trends in Bioprocess Technology organized during 15th to 19th January 2024 at Department of Biotechnology, Sinhgad College of Engineering, Vadgaon, BK, Pune.

RESPONSIBILITIES HANDLED AT STES/SCOE/DEPT:

Institute Level (SCOE)

- Working as a member in Institutions Innovation Council committee.
- Worked as a INSEM CAP coordinator for AY 2023-24.
- Worked as Institute Activity member for 2023 Admission Counselling Cell.
- Worked as Event Coordinator for 2024 Admission Counselling Cell.
- Member cultural committee
- Member NSS committee.

Department Level (Biotech)

- Lab In charge for Preparation Lab
- Department Training & Placement Coordinator
- Convener, One Week FDP on Bioprocess Technology organized during 15th to 19th January 2024.
- As Chairman of paper setting for University theory In-Sem and End-Sem Examinations.
- NBA Criteria 4 (Students Performance) Coordinator
- Departmental Techtonic Event Coordinator
- Coordinator for STP-I &II for SY Biotech
- Department Admission Coordinator.
- Coordinator Criteria-II (Teaching Learning Evaluation) AQAR-NAAC 2022-23 & 2023-24

DECLARATION:

I hereby declare that all the above information furnished by me are true to the best of my knowledge.

Date: 10/12/2024

Signature

Mr. J. P. Parpalliwar