Dr. D.Y. Patil Vidyapeeth's
Dr. D. Y. Patil Biotechnology and Bioinformatics Institute
Mumbai-Bangalore Express High way, Tathawade, Pune 411033
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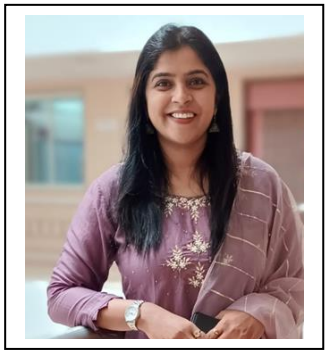
Dr. LATIKA P. SHENDRE



Designation: Assistant Professor, Dr. D. Y. Patil Biotechnology & Bioinformatics Institute, Dr. D. Y. Patil Vidyapeeth, Pune.

Email ID: latika.shendre@dpu.edu.in

Qualification: M.Sc. Ph.D. B. Ed. in Microbiology

Area of Specialization: Microbiology and Environmental/ Agricultural Microbiology

Research Interest: to work on Bioremediation, Biosurfactant Production using low-cost medium, Isolation of Biosurfactant Producing from different sources, Effect of biosurfactant on Pesticide contaminated soil, Medicinal Plants, uses of Biosurfactant in cosmetic and personal cleansing products…..

EDUCATIONAL QUALIFICATIONS:

1. Doctor of Philosophy (Ph.D.) (Biology-Microbiology) (2018) –From Sant Gadge Baba Amravati University, Amravati, Amravati, India.

   Thesis Title: Production of ecofriendly biosurfactant using low-cost substrate and their application in Pesticide degradation in soil.

2. Master of Science (M.Sc.) - (Microbiology) Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur.
3. Bachelor of Science (B.Sc.) - Microbiology, Zoology, Chemistry from Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur.
4. Bachelor of Education (B.Ed.) in Science, Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur.

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ACADEMIC AND RESEARCH EXPERIENCE:

1. Working as Assistant Professor in Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Tathawade, Pune.
2. Lecturer (2019-2023) - Sneha Institutions, Nagpur.
3. Lecturer (2013-2016) - Shri. Shivaji Science College, Nagpur.
4. Lecturer (2013-2016)- Pyramid Educational Institute, Nagpur
5. Project Assistant-III (2012-2013) - CSIR- National Environmental Engineering Research Institute (NEERI), Nagpur.
6. Project Fellow (UGC-sponsored) (2010-2012) Sevadal Mahila Mahavidyalaya and Research Academy, Nagpur.
7. Sr. Lab Technician (2009-2010) - Vasant Environmental Consultancy and Analytical Laboratory, Akola.

INVITED TALKS-:

Invited guest lecturer at Kamla Neharu Mahila Mahavidyala, Nagpur on Food Processing (March, 10, 2020).

PUBLICATIONS:

- Comparative Study of Biosurfactant Producing Organisms Isolated from Pesticide and Oil Contaminated Soil
  International Journal for Research in Applied Science and Engineering Technology. Volume 6, Issue IV, April 2018. Scientific Journal Impact Factor: 6.887

- Impact of Biosurfactant from *Kocuria rosea* and *Pseudomonas aeruginosa* on Germinating Seedlings of *Glycine max*, *Pisum sativum* and *Spinacia oleracea*
  International Journal of Life-Sciences Scientific Research. 3(3), MAY 2017. Impact Factor: 2.4

- Surface active properties of novel bio-surfactants at extremes of environmental conditions useful in remediation of pesticides contaminated soils.
  Bioresource Technology- 126, 2012. Impact factor- 5.2

- Probiotic attribution of Lactobacillus spp. Against MDR E.coli. Journal of Emerging Technologies and Innovative Research. August (2018). Impact factor- 5.8

BOOK Publication (2):

1. Microbiology B.Sc. I Sem- I in R.T.M. Nagpur University (G.C. Publication) ISBN No.: 978-93-82962-64-9
2. Microbiology B.Sc. I Sem- II (G.C. Publication) ISBN No.: 978-93-82962-373

CERTIFICATIONS:

Certificate course of "Medical Writing for Healthcare Professionals"

No. of M.Sc. Project students Guided:

1. M.Sc. Microbiology - 02
2. M.Sc. Biotechnology - 03
3. B. Sc. Microbiology - 02

EPIGEUM (Research Skill Courses):

Certificate course of "Medical Writing for Healthcare Professionals"

• Knowledge to write CE monograph
• Knowledge of Medical Editing, Legal considerations
• Creating CE presentation
• To create well-articulated scientific documents including clinical research documents, content for healthcare websites, health magazines, health care journals, Presentations and health-related news.

CONFERENCES (Abstracts/Oral/Poster):

- Accepted the research abstracts in "International Conference on Chemistry for Mankind: innovative Ideas in Life Sciences" 2011 on Cost –effective novel technique for screening and isolation of enhanced Biosurfactant producing mutants of *Pseudomonas aeroginosa* strain-PP2 and on Surface active properties of novel biosurfactantsproduced from combination of industrial wastes at extremes of environmental conditions for Remediation of pesticides contaminated soils.
- Poster Presentation in "International Conference on Chemistry for Mankind: innovative Ideas in Life Sciences" in Feb 2011on Cost –effective novel technique for screening and isolation of enhanced Biosurfactant producing mutants of *Pseudomonas aeroginosa* strain-PP2.
- Poster presentation in Kamla Nehru Mahavidyalaya, 2011 on Surface active properties of novel biosurfactants produced from combination of industrial wastes at

extremes of environmental conditions for Remediation of pesticides contaminated soils.

- Poster Presentation in ICSWHK2011, Hong Kong SAR, 2012.
- Poster presentation and abstract accepted in DBT sponsored National conference on Recent Trends in Biotechnology and Biodiversity in Shri Shivaji Science College, Amravati, 2017 on Stability of Biosurfactant produced by *Micrococcus luteus/ lylae* and *Kocuria rosea* under extreme environmental conditions

WORKSHOPS:

- 3 days' workshop on Molecular Biology conducted from 25 August to 27 August 2009 at Disha Institute, Nagpur.
- Attained National Seminar on "Recent Trends in Bio-Geo Sciences" (2010).
- Participated in the Model Training Course on "Improved Soybean Production Technology" organized by Directorate of Soybean Research, Indore during 24-31 August,2010.