

RESUME



Name : **Dr. PANDURANG BALASAHEB PAWAR**
Designation : Assistant Professor & Head, Dept. of Microbiology
Qualification : M.Sc., Ph.D., NET(JRF), SET & ICAR-NET
Email address : pawarpb007@gmail.com
Date of Birth : 15 Feb 1990
Date of Appointment : 18 Sept. 2017
Address : Shri Vyankatesh Arts, Commerce & Science College,
Deulgaon Raja Dist. Buldana (M.S.) 443204

Research Projects Sanctioned:

Sanctioned “**Minor Research Project (MRP)**” Rajiv Gandhi Science & Technology Commission Mumbai and received a grant of **4.70 Lac.** Rupees.

Patent Grant/published:

- The published patent in The Patent Office Journal entitled “**An efficient methodology to manage the bio-medical wastes collected from Hospitals and diagnostic centers**”
The Patent Office, India **Patent Number: 202141061800**
- Registered Design in The Patent Office, India entitled **A Radiography Device For Medical Treatment.** Registration No. 384755-001 (National).

Training/Workshops Programme participation:

- Participated in the One day workshop on **Gas chromatography Mass spectroscopy (GC- MS)** held on 01st Dec. 2015, at **Venture Centre, Pune**
- Participated in DBT sponsored the Eight days workshop on **Plant Tissue culture** during 16-23 Dec. 2015, at **Vilasrao Deshmukh college of Agricultural Biotechnology, Latur**
- Participated in the two day workshop on **Patent Drafting** held on 26-27 Aug 2016, at **Venture Centre, Pune**

Research Publications in Journals:

1. **Pawar, P.B.,** Joshi, K.G., Khobragade, R.M., Deshmukh A.M. and N.N. Adhapure, Screening, optimization of medium and solid-state fermentation for L-Asparaginase production, *Global Journal of Bioscience and Biotechnology*. **3** (1) 2014: 91-96 ISSN 2278 – 9103.
2. Vedpathak DV ; Shembekar VS* and **Pawar PB.,** Studies on Biosynthesis and Biocontrol trait of Phenazine produced by a rhizospheric strain of *Pseudomonas* RSML01., *Bionano Frontier* Vol.6 (2) June-Dec. 2013

3. **Pawar P. B***, Pawar D. A, K. S. Pawar and Ardad R.M(2017). L-Asparaginase: Action, Sources, Application and Side-Effects. *World Journal Of Pharmaceutical And Medical Research(WJPMR)*, 2017,3(3), 75-82
4. **P.B.Pawar** and D.V. Vedpathak (2017) Production, Extraction, Characterization and antimicrobial activity of Pyocyanin produced by rhizospheric *Pseudomonas* RSML-24. *International multilingual Research Journal. Special Issue,Dec.2017. Page0171-0174 ISSN 23940 5303.*
5. B.U.Kale¹ and**P.B.Pawar**(2017) Phytochemical extraction and antimicrobial activity of *Azadirachta indica*, *Lantana camara* and *Ocimum sanctum*. *International Multilingual Research Journal. Special Issue,Dec.2017. Page 089-093-0174 ISSN 2394 5303.*
6. **PB Pawar** & DV Vedpathak (2018) Production and plant growth effect of siderophore produced by *Pseudomonas* RSML-24. *International Journal of Research and Analytical Reviews (IJRAR)* October 2018, Volume 5, Issue 4(E-ISSN 2348-1269, P- ISSN 2349-5138)
7. **PB Pawar**& DV Vedpathak (2019) Production and Characterization of IAA from Rhizospheric *Pseudomonas* RSML 24.*Ajanta ISSN 2277-5730 Volume-VIII Issue-I January-March-2019 Page-61-67.*
8. Presented paper at “ International e-conference on conservation of wild taxa : present scenario “ held at Shri. Yeshwantrao Patil Science College, Solankur, which is being considered for publication in BIOINFOLET – a quarterly journal of life science, approved by UGC-CARE and indexed in Web of Science (WoS) citation.
9. **Pawar P. B.**, Inchure S. M.¹, Vedpathak D. V.(2021)Optimization of media composition and physico-chemical conditions for maximum phenazine-1-carboxylic acid (PCA) production by *Pseudomonas* RSML35. *BIOINFOLET - A Quarterly Journal of Life Sciences* Year : 2021, Volume:18,Issue:1bFirst page : 199-200.
10. **Pawar P. B**, Inchure S. M., Vedpathak D. V. (2021) Isolation and biochemical characterization of *Xanthomonas axonopodispv. Punicae* causing bacterial blight of pomegranate. *BIOINFOLET - A Quarterly Journal of Life Sciences* Year : 2021, Volume : 18, Issue : 1a Page-55-56.
11. **P. B. Pawar** S.M. InchureD.V.Vedpathak(2023). Pyoverdine production by novel strain of *Pseudomonas* from marine source of Alibagh, Maharashtra. *An International Journal of Interdisciplinary Studies*, Vol.08. Issue 02, 01-11
12. **P. B. Pawar and** R.N.Ganbas (2024).Plant Growth Promoting Rhizobacteria (PGPR) and Soybean (*Glycine max* L.) Crop: A Review" *Journal of Life Sciences (JLS)*.Vol.01.page 01-09

Papers presented in conferences / Seminars: 09

1. Fermentative production and characterization of phenazine antibiotic produced by a rhizospheric *Pseudomonas* RSML01 (2013). International conference, "Emerging horizons in Biochemical Sciences & nano-materials" UGC New Delhi & Shri shivaji Mahavidyalaya Barshi Dist. Solapur (M.S)
2. Studies on biocontrol potential of a metabolite produced by a rhizospheric strain *Pseudomonas* RSML25 (2014) National conference, "Plant Pathology" UGC New Delhi & Rajarshi Shahu College, Latur (M.S.)
3. Fermentative production, Extraction and antifungal activity of 5-Methyl-1-Hydroxyphenazine produced by a rhizospheric *Pseudomonas* RSML24 (2014). National conference, *Recent trends and future prospects in multidisciplinary Approaches in Microbiology*, UGC New Delhi & Rajaram college, Kolhapur.
4. Fermentative production and biocontrol potential of phenazine antibiotic produced by a rhizospheric *Pseudomonas* RSML24 (2014) International "3rd Global Sustainable Biotech Congress-2014" North Maharashtra University, Jalgaon.
5. Production and purification of Chitinase from *Pseudomonas* RSML06 & *Pseudomonas* RSML09 (2015). *Contemporary Research in Chemical and Life sciences (ICCRCLS-2015)* , International Conference, Sadaguru Gadge Maharaj College, Karad.
6. Microbial production and characterization of Phenazine-1-carboxylic acid (2015). National Conference, *Recent challenges in advanced material and green chemistry*, UGC New Delhi & Dept of Chemistry, Dr.B.A.M.U. Subcampus Osmanabad (M.S.)
7. Production and characterization of phenazine -1-carboxylic acid from Rhizospheric *Pseudomonas* RSML-35 (2016). National Conference, *Use of plants and Microbes For Green Biotechnology*, UGC New Delhi & Dept of Biotechnology, College of Computer Science and Information Technology, Latur (M.S.)
8. Pyocyanin Production from *Pseudomonas* RSML41 and its Antifungal Activity against Phytopathogens (2017). National symposium, *Practices in agriculture, aquaculture and animal husbandary (PISAA-2017)*. Dept of Biotechnology, Rajarshi Shahu Mahavidyalaya, Latur (M.S.)
9. Production and biocontrol potential of Phenazine antibiotic produced by a rhizospheric *Pseudomonas* RSML35 Young Scientists Conference (YSC), India International Science Festival (IISF) during 05-08 Nov. 2019 at Biswa Bangla Convention Centre Kolkata.
10. Paper presented in Symposium on Applied Zoology, Profitable animal production, and Health: Current Status and Future Progress, dated 23rd & 24th Sept. 2022, organized by Rajarshi Shahu Mahavidyalaya (Autonomous), Latur, Maharashtra.
11. Paper presented in Recent Advances in Chemical and Biological Sciences ICACBS-2022 " on 25th & 26th September, 2022 N.B.Mehta (Valwada) Science College, Bordi.
12. Paper presented in Biotechnology for Better Tomorrow (NCBTBT-2023) held on 22nd to 24th January 2023 organized by Dept. of Microbiology, Taywade College, Mahadula -Koradi, Nagpur

Seminars/Conferences participation:

1. Attended a one-day seminar on “Soil Crisis in Marathwada Region” held at Nutan Mahavidyalaya, Seluon 18th Feb 2010.
2. Presented a poster and secured 3rd Prize in one day seminar on “Advances in Microbiology” held at Sawarkar College, Beed during 30th January 2011
3. Attended an International conference on “Biotechnology for Better Tomorrow” held at Aurangabad during 6-9 Feb. 2011.
4. Attended a one-day seminar on “Nanotechnology for Healthy Environment” held at organized by Dr. B.A.M.U. Sub-campus, Osmanabad during 06th June 2011.
5. Attended an one-day workshop on “e-Learning in Microbiology” organized by the Department of Microbiology, Dr. B.A.M.U. Sub-campus, Osmanabad during 21st Aug 2011.
6. Attended an one-day seminar on “Biotechnology for Better Tomorrow” held at Yogeshwari Mahavidyalaya ,Ambajogai during 07th Jan 2012
7. Participated in “Biofertilizer Awareness Project” held at Upale&PalsapDist-Osmanabad during year 2011 to 2012.
8. Attended an State level one day seminar on “Recent trends in Biotechnology” organized by Department of Microbiology, Dr. B.A.M.U. Sub-campus, Osmanabad during 20th July 2014.
9. Attended one day interdisciplinary national conference on Research Methodology at Bhai Kishanrao Deshmukh Mahavidyalaya, ChakurDist.Latur during 28th Nov 2015.
10. Participated in “104th Indian Science Congress” held at S.V.University, Tirupati from 03-07-Jan 2017.
11. Attended a one days International webinar on “Trends in Genetic Modification” organized by Microbiologist Society, India 09th Feb 2019.
12. Attended a Two days seminar on “Frontiers in Microbiology & Annual microbiologists meet” held at HPT Arts & RYK Science College, Nashik, during 20th-21 Oct 2018.
13. Attended an one days National webinar on “Nanobiotechnology” organized by Microbiologist Society, India 15th Oct 2018
14. Attended a Two days seminar on “Intellectual Property Right” held at Shri Shivaji College, Chikhali, during 03-04 April 2019.
15. Participated in the Online International Conference " Perspectives of Innovative & Applied Research Zoology " organized under " College with Potential for Excellence " Scheme of UGC , New Delhi on 30th March , 2022 .
16. Participated / Completed the Ten Day National Level Educational Summit on " Research Methodology Program " (RMP - 2022) organized by the Research Advisory Committee (RAC)

of Rajarshi Shahu Mahavidyalaya (Autonomous) , Latur , held between 20th April , 2022 to 30th April , 2022

17. Participated in one day State Level Workshop on Moodle organised by IQAC on 8th February 2022.Organized by Late Pushpadevi Patil College, Rosid Dist.Buldana (M.S)
18. Participated as Attendee in Basic IPR Course on Introduction to IPRS & Patenting System in India ' organized by Microbiologists Society India (MSI) , Parul University Vadodara Gujarat and DPIIT - IPR Chair , Maharashtra National Law University , Mumbai on 27th January - 29th January , 2022.
19. Successfully Participated in the online Workshop on Intellectual Property Rights (IPR) on the Occasion of KCES's Foundation Day and Amrut Mahotsaw of MooljiJaitha College (Autonomous) , Dated 22 Sept 2021
20. Attended National e - Workshop on ' Research Paper Writing and Presentation Skilthe Is ' organized by Department of Microbiology Rajarshi Shahu Mahavidyalaya (Autonomous) , Latur on 23th August , 2021
21. Participated in national Conference on biodiversity Conservation ; Strategies for Better (NCBCSFBT - 2021) held on 08th & 09th September , 2021 participated in the National e Tomorrow " organized by Dada Patil mahavidyalayakarjatDist.ahamadnagar
22. participated in National One Week Faculty Development Program (FDP) on " Research Excellence and Academic Development (READ - 2021) " organized by the Department of Library & IQAC . Nilkanthrao Shinde Science & Arts College , Bhadrawati . Dist . Chandrapur (Maharashtra) . India held from 9th to 14th . August , 2021 .
23. participated in the Online International Conference " Perspectives of Innovative & Applied Research Zoology " organized under College with Potential for Excellence " Scheme of UGC , New Delhi on 30th March , 2022 . organized by Shri shiv Chhatrapati college,Junnar, Pune
24. Participated in International One Week Faculty Development Programme on Research Methodology , from 2 May 2022 to 7 May 2022 , organized by Amar Sewa Mandal's Kamla Nehru Mahavidyalaya , Nagpur - 440024 , Maharashtra

Professional recognition, awards, fellowships received:

- **“Major Research Project Fellowship”** from UGC, New Dehli guided the project by Dr.D.V.Vedpathak
- **“Junior Research Fellowship”** from CSIR-UGCNETDEC-2013
- **3rd Prize** For Poster Presentation in one day seminar on “Advances in Microbiology” held at Sawarkar College, Beed during 30th January 2011
- **Secured 3rd Prize** For Poster Presentation in National Conference on “Recent challenges in advanced material and green chemistry, organized by UGC New Delhi & Dept of Chemistry, Dr.B.A.M.U. Subcampus Osmanabad (M.S.)

LifeMemberof:

- RoyalsocietyofBiotechnologyandBiosciences,UK
- TheIndianScienceCongressAssociation,India
- Microbiologist Society , India

AreaofResearch:Agriculturemicrobiology(PGPR), Biocontrol.

A handwritten signature in blue ink on a yellow background. The signature is stylized and appears to read 'P.B. Pawar'.

Dr. PAWAR P.B.