

## POOJA DILESH JAMBHALE

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- **B.ED. in Science** – Completed with **A** grade in July 2024
  
- **MASTER OF SCIENCE: BIOCHEMISTRY** May-2017
  - ❖ University of Mumbai, The Institute of Science, Mumbai
  - ❖ Graduated With **A** Grade
  
- **BACHELOR OF SCIENCE: BIOCHEMISTRY** April-2015
  - ❖ University of Mumbai, B. N. Bandodkar College of Science, Thane.
  - ❖ Graduated With **A** Grade

### **Teaching Experience:**

1. Working as an Assistant Professor of Biochemistry department in B.N. Bandodkar College of science, Thane, (Autonomous) since July 2017.
2. Served as a lecturer for Std. 11<sup>th</sup> & 12<sup>th</sup> (Biology) in classes since 8 years.

### **Research Projects:**

#### **1. Extraction and physicochemical Characterization of *Citrus limon* seed oil**

**Description** - Lemons seeds used for the extraction of oil by solvent. Its Physicochemical characteristic was determined by measuring its saponification value, iodine value, acid value, refractive index, specific gravity.

#### **2. Keratinase from *Brevibacillus agri* : Production, optimization and partial purification.**

**Description** – Project was basically about Solid waste management by bacterial enzymatic hydrolysis, specifically feather waste management by the keratinase produced from *Brevibacillus agri*.

### **Research Paper Published:**

- Analysis of Body Mass Index (BMI) of B.N. Bandodkar College undergraduate students (2019) by Rucha R. Khadke, Rati D. Sharma, Pooja Kanse, Tanzim Shaikh, JBNB ISSN 2454-2776 Pg. No. 843-847.
- Extraction and physicochemical Characterization of *Citrus limon* seed oil (2014) by Pooja Kanse, Ashwini Bhor, Ritesh Oza and Anita S. Goswami – Giri, JBNB Volume 1 Pg. No.18-25.

### **Handling of analytical instrument:**

UV-Visible Spectrophotometer, Ultracentrifuge, Electrophoresis unit, Fourier Transform Infrared Spectrometer (FTIR)

### **Research Activities:**

- Awarded 2nd Place for guiding the research project “*Extraction of Essential Oil & Formulation of Natural Herbal Perfumes*” at the national conference *ECO-PULSE: Monitoring Beats of Ecosystem*.
- Certified for expertise and guided Research Project titled “*Extraction of Essential Oil & Formulation of Natural Herbal Perfumes*” in 19th Aavishkar: research convention 2024-25
- Certified for expertise and guided Research Project titled “Recovery of silver from X-ray waste by using pappin enzyme” in 17th Aavishkar: research convention 2022-23(Zonal Round)
- Certified for expertise and guided Mini-Research Project titled “Assessing Approaches of Individual on Water Pollution Awareness & Prevention” under the scheme of Diploma Course of Research Scholar Programme (4 Credits) during academic years 2019-2021.
- Participated in Poster Presentation of science square committee B. N. Bandodkar College, Thane (2014)
- Participated in Avishkar Research convention 2013.

### **Faculty Development Programmes (FDPs)**

- Completed One week National level FDP on "Research in Social Sciences: Contemporary Trends, Perspectives, and Pedagogy" organized by JNU New Delhi & Galgotias University Uttar Pradesh held from 7<sup>th</sup> to 13<sup>th</sup> February 2022.
- Completed 5 day National level FDP on “Method of Material Synthesis” organized by Bhavan Vivekananda College from 18<sup>th</sup> to 22<sup>nd</sup> January 2022
- Completed 3 day RUSA sponsored National level FDP on “Curriculum Design Strategies to Enhance Employability and Soft Skills” on February 2021.
- Participated in the International Webinar And FDP on “Strategies for Writing Good Research Article. Part II” held on 13<sup>th</sup> September, 2020.
- Completed 2 day National level FDP on online teaching and E- content held on May, 2020.

### **Conferences:**

- Participated in National Conference: *ECO-PULSE: Monitoring Beats of Ecosystem* (Feb.2025)
- Organizing Committee Member, National Conference: “*Microbiome – The Story Untold*”, VPM’s B.N. Bandodkar College, Thane (Jan 2022)
- Attended 2 day National conference on “Materials and Their Applications: A Broad Perspective” in January, 2020.
- Volunteered in “Multidisciplinary International Conference On Green Earth” in January, 2018.

### **Workshops**

- Completed the workshop on “ The Art of Resins: Pour & Create” organized by EVS & BWCM Department on 11<sup>th</sup> February,2025
- Completed the workshop on “ Mapping & Attainment of Cos & POs” organized by IQAC & Exam committee n 20th September,2024
- Completed 3 day workshop on “The art of research paper writing and hands on training on SPSS” From 8<sup>th</sup> Dec to 10<sup>th</sup> Dec.
- Completed 3 day workshop on Bioinformatics organized by Edufabrica in association with Pulses , AIIMS DELHI from 16<sup>th</sup> to 18<sup>th</sup> October 2021
- Attended Happiness workshop on “Positive Emotions” held on 17<sup>th</sup> May, 2021.
- Completed online workshop on Universal Human Value organized by AICTE on 5<sup>th</sup> - 9<sup>th</sup> Oct, 2020.
- Participated in the one day workshop on “Artificial Intelligence in Drug Discovery” on 01-09-2020.
- Participated in 2 day workshop on “Research Based Pedagogical Tools” in August, 2019.

### **Academic Activities:**

- Examination Observership, NKT College (March 2025)
- Participated in the UDDAN: The Flight of Extension organized by University of Mumbai, DLLE on 16th January,2025
- Participated in Second term training program for extension teachers & student maneger organized by University of Mumbai, DLLE on 20th December, 2024.
- Participated in the Online webinar on „Promotion of Institutional Research Culture “organized by the IQAC , Sangameshwar College, Solapur from 1<sup>st</sup> Jan 2022.
- Participated in Online Webinar on Theme “Reduce Air Pollution” Organized by JNU ENVIS RP & SCST ECOTOURISM ENVIS held on the Occasion of National Pollution Prevention Day, December 2<sup>nd</sup>, 2021
- Participated in the two days national webinar on “COVID-19 pandemic and its management strategies” CPAIMS-2021, organized by Department of Studies & Research in Biochemistry, Mangalore University Jnana Kaveri Post Graduate Centre, Chikka Aluvara, Kodagu, India held on October 28<sup>th</sup> & 29<sup>th</sup>, 2021.

- Participated in the webinar on “National Education Policy 2020: New Dimensions Taking It Forward” organized by Government College Daman held on October 14, 2021.
- Participated in 2-day National webinar on “Online Resources and Academic Integrity” on 28<sup>th</sup> – 29<sup>th</sup> May, 2021.
- Participated in the webinar on “Implementing Autonomy” & “Autonomy: Not One More Feather in the Cap” organized by RUSA and V.G. Vaze College on 10<sup>th</sup> December, 2020
- Participated in the webinar on “NEP: Road ahead for Autonomous Colleges” organized by RUSA and V.G. Vaze college on 8<sup>th</sup> December, 2020.
- Participated in Webinar "How to Read Scientific Literature?" on 15<sup>th</sup> October, 2020.
- Participated in the webinar “Nanotechnology in Drug Formulation: Application of Efficient Hybrid Polymer Based Nano-structured Lipid Carrier (NLC) as Promising Drug Delivery System” on 24<sup>th</sup> September, 2020.
- Participated in the international webinar on “Mathematical Applications in Cognition and Neuroscience” on 16<sup>th</sup> September, 2020.
- Participated in the Open WHO Course Severe Acute Respiratory Infection (SARI) Treatment Facility Design on 15<sup>th</sup> September 2020.
- Attended the international webinar CRISPR in Agriculture: Context of Improving WUE on 12<sup>th</sup> September, 2020.
- Attended the online webinar “Build Your Online Community” on September 9, 2020.
- Attended the National webinar on „National Education Policy, 2020“ on 5<sup>th</sup> September 2020.
- Participated in the Open WHO Course Antimicrobial Stewardship: A competency-based approach on 3<sup>rd</sup> September, 2020.
- Participated in online webinar titled “Strategies for Writing Good Research Article” on 28<sup>th</sup> August 2020.
- Participated in the webinar “Mapping the Complex Folding and Misfolding Mechanisms in Proteins Using Single Molecule Force Spectroscopy” on 28<sup>th</sup> August 2020.
- Participated in the National webinar on “Women and Work” held on 27<sup>th</sup> August, 2020.
- Participated in the Open WHO Course Infection Prevention and Control (IPC) for COVID-19 Virus On 26<sup>th</sup> August 2020.
- Participated in the International Webinar on “Mushrooms-Nature’s Gift” On 24<sup>th</sup> July 2020.
- Participated in the webinar titled "Nanoparticles and Biomarkers in Disease Treatment and Management" On 9 June, 2020.
- Participated in National level Webinar on “Technological Uses of Fungi: Some Modern Approaches” on 11<sup>th</sup> May, 2020.

#### **Extra-Curricular Activities:**

- Won 1<sup>st</sup> prize in Debate competition in science festival 2016, organized by NCSTS & Rajiv Gandhi Science & Technology Commission, Mumbai.
- Certificate for Observership in Department of Pathology of J.J. Hospital, Mumbai.

**Personal strength:**

Diligent always looking forward to learn something new and quick learner, able to grasp new ideas, concepts and methods.

I hereby declare that information furnished above is true & correct to the best of my knowledge.

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