

# ❖ CURRICULUM VITAE ❖

## **Dr. AMOL NANDA SANTOSH JADHAV**

Kalpataru Niwas, Behind Bustand,  
Near Kute coaching classes, Civil Colony, Deulgaon Raja.  
Dist : Buldana (MS), 443204  
Email: amolpatil.1601@rediffmail.com  
CONTACT No. : 9096393184, 7972568177  
Educational Qualification: M.Sc. Microbiology, Ph.D.



### **Objective:**

To serve and give my best to my reputed College and society with help of my knowledge and experience till now.

### **Personal profile:**

A modest, trustworthy, meticulous and versatile person. Able to work as a part of team with co-operation and to face the challenges in the life ahead. Always trying to learn from experiences both mine and others and rectifying weaknesses continuously. Efficient planner having good communication skills.

### **Co-curricular Activity:**

- Participated in state level quiz contest.
- Successfully completed NSS with good Certification.
- Delivered online guest lectures.
- Took actively part in sports competitions.
- Worked as a NSS Co-Programme officer.
- Presented Paper & Posters in National/ International Conferences.

### **Project Details:**

- **Post Graduate Degree Level:** Nitrate contamination in groundwater due to anthropogenic nitrogenous fertilization.
- **Doctor of Philosophy (PhD):** Exploration and characterization of industrially and medically important haloalkaliphilic bacteria from hypersaline environment.

### **Published patent:**

- Design patent by Government of India, on Radiography Device for Medical Treatment.

### **Published Book / Chapters:**

- Chapter in General & Applied microbiology, Dnyanpath Publication (ISBN No: 978-93-94661-76-9)

**Key skills:**

1. Microbiological analysis of Milk, Water, Waste water and Soil.
2. Laboratory scale production, recovery and Quantitative estimation of Ethyl alcohol, Citric acid, Amylase, Protease and Lipase enzyme.
3. Preparation of Biofertilizers and Biopesticides.
4. Paper and Thin layer chromatography.
5. Isolation, purification and Assay of Microbial enzymes like Amylase, Protease & Lipase.
6. Immobilization of enzymes.
7. Isolation and identification of pathogenic bacteria.
8. Serology and Hematology.
9. Antibiotic sensitivity testing.
10. Maintenance and preservation of microbial strain and preparation of media for microbial maintenance.

**Orientation / Refresher / FDP course attended:**

| Name of the Course                                    | Place   | Duration                 | Sponsoring Agency |
|---|---|--------------------------|-------------------|
| Orientation course: Induction / Orientation Programme | Teaching Learning Centre, Ramanujan College University of Delhi | 01/09/2020 to 30/09/2020 | UGC - HRDC        |
| Orientation course: Induction / Orientation Programme | UGC - HRDC Sant Gadge Baba Amravati University, Amravati        | 08/12/2021 to 07/01/2022 | UGC - HRDC        |
| Refresher Course                                      | UGC - HRDC University of Mumbai                                 | 12/09/2022 to 24/09/2022 | UGC - HRDC        |
| Faculty Development Programme                         | KBCNMU, Jalgaon University                                      | 21/11/2022 to 26/11/2022 | MSFDA, Pune       |

**Teaching Experience:**

| Sr. No. | Post                | Period           |            | Organization / Management  |
|---------|---------------------|------------------|------------|--|
|         |                     | From             | To         |  |
| 1.      | CHB, Lecturer       | January 2015     | April 2018 | P.G. Department of Microbiology, S.G.B. Amravati University, Amravati. |
| 2.      | CHB, Lecturer       | July 2018        | March 2019 | Jijamata Mahavidyalaya, Buldana  |
| 3.      | Assistant Professor | 22 November 2019 | Till Date  | Shri Vyankatesh Arts, Commerce & Science College, Deulgaon Raja        |

## **Research publications in international journals:**

1. Tambekar DH, Tambekar SD, Rajgire AV, **Jadhav AS** and Sawale KK, (2016). Isolation and Characterization of Amylase from *Lysinibacillus Xylanilyticus* from Alkaline Environment. International Journal of Research Studies in Biosciences (IJRSB). Volume 4, Issue 6, PP 1-4.
2. Tambekar DH, **Jadhav AS** and Keche BA, (2016). Screening and Production of Antimicrobial Substances Produced by Haloalkaliphilic *Bacillus* Species. International Journal of Advanced Research in Science, Engineering and Technology. Volume 3, Issue 11, PP 2920-2926.
3. Tambekar DH, Tambekar SD, **Jadhav AS** and Sharma NH, (2016). Thermophilic Lipase from *Lysinibacillus mangiferihumi*: Screening and Partial Characterization. Indian journal of applied research. Volume 6, Issue 6, PP 432-434.
4. Tambekar DH, Tambekar SD, **Jadhav AS** and Babhulkar BV, (2016). Isolation and partial characterization of protease from *Bacillus halodurans* (AJ302709) from alkaline Lonar Lake. International Journal of Pharmaceutical Sciences and Research. Volume 7, Issue 11, PP 4546-4549.
5. Tambekar DH, Tambekar SD, **Jadhav AS** and Kolhe SG, (2017). Extracellular thermo-alkalophilic proteolytic activities of the *Bacillus aerophilus*: Detection and preliminary characterization. Bioscience Discovery, Volume 8, Issue 2, PP 255-260.
6. Tambekar DH, Tambekar SD, **Jadhav AS** and Bhule PB, (2017). Extraction and Partial characterization of thermostable, alkaline tolerant  $\alpha$ -amylase from *Bacillus oryzaecorticis*. Bioscience Discovery, Volume 8, Issue 2, PP 206-210.
7. Tambekar DH, Tambekar SD, **Jadhav AS** and Kharat PA, (2017). Alkaliphilic *Bacillus flexus*: A potential source of lipase producer for industrial and medical application. International Journal of Pharmaceutical Sciences and Research. Volume 8, Issue 10, PP 1000-1004.
8. Tambekar DH, **Jadhav AS** and Bahekar SS, (2017). Antimicrobial potential of haloalkaliphilic *Bacillus* thermotolerans from alkaline environment. International Journal of researches in biosciences, agriculture and technology, Volume 5, Issue 2, PP 1-5.
9. **Jadhav AS**, (2020). Comparison of antibacterial property of essential oil extract from Mentha leaves with commercially available Mentha products. IJARIIE, Volume 5, Issue 2, PP 2395-4396.
10. **Jadhav AS**, (2023). Isolation & molecular characterization of Chromium reducing Haloalkaliphilic bacteria from alkaline Lonar lake. IJAAB, Volume 2, Issue 1, PP 53-63.
11. **Jadhav AS**, (2023). In-vitro studies of rhodospin isolation from anoxygenic phototropic bacteria. IJBM, Volume 5, Issue 3, PP 28-33.

## **Workshop / Conferences Attended :**

1. Workshop on “In-Vitro Biological Models and Their Applications In Drug Discovery” Organized by Faculty of Pharmacy, Dharmsinh Desai University, Nadiad, Gujarat (India), 14<sup>th</sup>-16<sup>th</sup> Sep, 2015.
2. Workshop on “Molecular Biology (Hiper Teaching Kits)” Organized by Hi-Media Laboratories Pvt. Ltd. Mumbai. Held at PGTD. Department of Microbiology, Sant Gadge Baba Amravati University, Amravati, 18<sup>th</sup>-19<sup>th</sup> March, 2016.
3. Attended 7 Day International level online Faculty development Programme on "Digitalization trends & its challenges in higher education" held at Chennai from 4<sup>th</sup> to 11<sup>th</sup> October 2021.
4. Participated in International conference on “Industrial Biotechnology” organized by Sinhgad college of Engineering, Vadgaon, Pune (M.S) on 24<sup>th</sup> & 25<sup>th</sup> September 2021.
5. Attended the International Webinar series organized by Microbiologists society, India under DBT star college scheme, St. Xavier's College, Mapusa, Goa.
6. Participated in National workshop on “Intellectual Property Rights (IPR)” organized by Moolji Jaitha College, Jalgaon (M.S) on 21<sup>st</sup> September, 2021.
7. Participated in National e- Conference on “Biodiversity Conservation Strategies for Better Tomorrow” organized by Dada Patil Mahavidyalaya, Karjat, Ahmednagar (M.S) on 21<sup>st</sup> September, 2021.
8. Participated in One-week Pedagogical Training for teachers on Tools for online Teaching Learning and Evaluation from 1<sup>st</sup> to 6<sup>th</sup> July 2020, organized by School of Mathematical sciences, SRTM university, Nanded (M.S).
9. Participated in One day National Workshop on “PBAS – API for Teachers” organized by Bharatiya Mahavidyalaya, Amravati (M.S) on 23<sup>rd</sup> July 2021.
10. Attended the International Webinar on “Researching and writing a Masters Dissertation” organized by PG Department of Chemistry & Microbiology, SKPCASC, Kamptee, Nagpur (M.S) on 25<sup>th</sup> May 2020.
11. Attended the Two-Day International Webinar on “Analytical Instrumentation on Bio Chemical Studies and Research” organized by Gulf Bio Analytical Group of Companies, Dubai and Life Sciences and Chemical Sciences Department, St. Thomas College, Bhilai, Chhattisgarh, India, on 11<sup>th</sup>&12<sup>th</sup> September 2020.
12. Participated and presented poster in AMI-2017 International conference held at Gauhati.
13. Successfully Completed MS-DEED Level 1 Online Workshop on Introduction to Innovative Pedagogies for UG Teachers, organized by MSFDA, Pune & IISER, Pune

Dated from 14<sup>th</sup> to 16<sup>th</sup> September 2022.

14. Participated in one day Program on CBCS-NEP Executors training Program organized by Sant Gadge Baba Amravati University, Amravati and S.V. Arts, Commerce and Science College, Deulgaon Raja 17<sup>th</sup> September, 2022.
15. Participated & Presented in two days International conference on "Innovations in Biotechnology Research for Sustainable Bioresources & Bioeconomy: Challenges & Practices, Organised by Sanjivani Arts, Commerce & Science College, Kopargaon, Dist: Ahmednagar (M.S) on 15<sup>th</sup> & 16<sup>th</sup> February 2024.
16. Participated & Presented in One days International conference on "Recent trends in Humanities, Commerce & Science" Organised by Ghulam Nabi Azad Arts, Commerce & Science College, Barshitakli, Dist: Akola (M.S) on 10<sup>th</sup> March 2024.

### **Declaration:**

I here affirm the information given above is true to the best of my knowledge and belief.

I understand and agree that misrepresentation or omission of relevant facts will justify cancellation of application.

**Date :-**

**Place:- Deulgaon Raja**



**Dr. AMOL SANTOSH JADHAV**

Assistant Professor,  
Department of Microbiology,  
Shri Vyankatesh College, D.Raja