

SURAJ DINKARRAO KADAM

Assistant Professor | Department of Biotechnology

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur, Maharashtra, India

ACADEMIC QUALIFICATIONS	CONTACT	EXPERIENCE
M.Sc. Biotechnology CSIR-UGC NET GATE	Suraj.dkadam21@gmail.com 8983875570	14+ Years in Higher Education

PROFESSIONAL PROFILE

Biotechnology educator, researcher and academic mentor with 14+ years of higher-education experience and expertise in Microbiology, Molecular Biology, Recombinant DNA Technology, probiotics and aquaculture biotechnology. Experienced in research-led teaching, hands-on laboratory training, undergraduate and postgraduate research guidance, scientific communication, academic administration, faculty development and student innovation. Research interests focus on probiotic applications in fish health, immunomodulation, growth performance, nutrition and sustainable biotechnology.

KEY ACADEMIC & RESEARCH STRENGTHS

- Microbiology, Molecular Biology and Recombinant DNA Technology.
- Probiotic isolation, characterization and application in aquaculture and fish health.
- Fish health, immunomodulation, growth performance, nutritional studies and pathogen-related investigations.
- Hands-on laboratory training in bacterial characterization, PCR, DNA manipulation, electrophoresis and blotting techniques.
- Student research mentorship, innovation, poster/paper presentations and entrepreneurship-oriented project guidance.
- Interdisciplinary biotechnology applications in sustainable food processing, renewable energy and environmental biotechnology.

EDUCATION & QUALIFICATIONS

Qualification	Discipline / Examination	Institution / University	Year
M.Sc.	Biotechnology	Bangalore University, Bangalore	2010
B.Sc.	Biotechnology	Swami Ramanand Marathwada University, Nanded	2008
CSIR-UGC NET	Life sciences	—	2014
GATE	—	—	2012

PROFESSIONAL EXPERIENCE

Position / Institution	Period	Role
Assistant Professor, Shiv Chhatrapati College, Aurangabad	01 Jul 2012 – 30 Apr 2014	Teaching / Academic
Assistant Professor, Department of Biotechnology, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur	01 Jul 2014 – Present	Teaching / Research / Academic Service

ACADEMIC LEADERSHIP & INSTITUTIONAL CONTRIBUTIONS

- Organizing Secretary, National Level Student Poster Competition – coordinating the annual national-level student poster competition organized by the Department of Biotechnology for the past 10 years, including planning, academic coordination, participant communication, event execution and overall coordination.
- Member, Board of Studies of Biotechnology and Food Processing & Technology.
- Member, Admission Committee.
- Member, NIRF-related institutional activities.
- Member, Cultural Association.
- Member, Placement Cell.
- Member, Paper setting,
- Examiner, Science Exhibition organized by Swami Vivekanand Vidyalaya, Latur, 28 February 2026.

RESEARCH GUIDANCE & STUDENT MENTORSHIP

- PG research guidance: 53 students, as reported in the submitted CV.
- Guided undergraduate and postgraduate research projects in probiotics, fish health, sustainable biotechnology, herbal research and value-added products.
- Mentored students participating in Aavishkar Maharashtra State Inter-University Research Conventions and other research competitions.
- Guided students in scientific paper and poster preparation, presentation, project development and research communication.

STUDENT ACHIEVEMENTS UNDER GUIDANCE

Area	Achievement / Impact
Startup / Entrepreneurship	Two students guided by me received sanctioned financial support of ₹1 lakh for their startup proposals.
Aavishkar – State Level	One undergraduate student guided by me secured Second Prize at the State Level Aavishkar Research Convention, along with prize money of ₹25,000.
Reliance Foundation Scholarship	A guided student received a Reliance Foundation Scholarship of ₹6 lakh.
SBI Scholarship	A guided student received an SBI Scholarship of ₹3 lakh.
Research Competitions	Multiple students guided by me have secured First Prizes in research paper and poster presentation competitions at different academic levels.

SELECTED RESEARCH PUBLICATIONS

Kadam, S.D., Dhotre, M.A. & Shembekar, V.S. (2019). *Isolation and Characterization of Fish Pathogens from Fish Farm of Latur Region.* AJANTA, VIII(I), 92–102. ISSN 2277-573.

Kadam, S.D., Shembekar, V.S. & Dhotre, M.A. (2020). *Isolation, Characterization and Application of Probiotic Isolates from Gut Region of Indian Major Carp.* Journal of Emerging Technologies and Innovative Research, 7(9), 331–338. ISSN 2349-5162.

Deshpande, B., Kuber, A., Rathod, D., Kadam, S.D. & Swami, S. (2021). *Comparative Screening on Phytochemical Analysis of Azadirachta indica (Neem) and Citrus limon (Lemon).* International Research Journal of Modernization in Engineering Technology and Science, 3(11), 1355–1358. e-ISSN 2582-5208.

Dhotre, M.A., Nalle, D.A. & Kadam, S. (2024). *Investigation of Potential Probiotic Bacterium (Bacillus subtilis CCI3) in the Formulated Diets on Immunity, Growth Performance and Nutritional Quality of Cyprinus carpio.* Asian Journal of Fisheries and Aquatic Research, 26(7), 25–42. Article no. AJFAR.118538. ISSN 2582-3760.

Kadam, S., Nalle, D.A. & Dhotre, M.A. (2025). *Dietary Evaluation of Lactobacillus acidophilus Strain PR2 as a Probiotic on Growth, Immunity, and Water Quality in Major Carp (Catla catla).* Asian Journal of Fisheries and Aquatic Research, 27(12), 26–35. Article no. AJFAR.147790. ISSN 2582-3760.

Kadam, S., Shaikh, F.A., Dhotre, M.A. & Nalle, D.A. (2025). *Sustainable Biodiesel Production from Aphanamixis polystachya (Pithraj) Seeds: A Promising Non-Edible Feedstock for Renewable Energy.* Journal of Energy Research and Reviews, 17(7), 27–34. Article no. JENRR.137066. ISSN 2581-8368.

RESEARCH PRESENTATIONS & SCIENTIFIC CONTRIBUTIONS

- Presented research paper at the International Conference on Advances in Life Sciences for Sustainable Development (ICALSSD-2026), 13–14 March 2026.
- Presented research paper on “Role of Probiotics in Sustainable Food Processing, Preservation and Waste Reduction” at the PM-USHA-sponsored National Seminar on Smart Solutions for Modern Food Processing Challenges, 2025.
- Presented “Improvement of Fish Health by Using Probiotic Feed: An Immunomodulatory Aspect” at the International Web Conference on Science, Engineering & Technology (IWCSET-2020), 15–16 May 2020.
- Presented “Formulation of Fish Feed Diet Using *Lactobacillus sp.* and to Study Their Effect as Immunomodulator” at Jagadambha College of Engineering and Technology, Yavatmal, 19–20 May 2020.
- Presented “Isolation and Characterization of Potential Probiotics from Fermented Food” at the National Conference on Current Scenario in Microbial Biotechnology, K.S. Rangasamy College of Technology, 10–11 March 2010.
- Presented “Isolation and Characterization of Petrol-Degrading Microorganism from Latur Region” at the National Conference on Emerging Trends in Biotechnology for Modern Era, COCSIT, Latur, 29–30 September 2007.

AWARDS & RECOGNITION

Year	Recognition	Details
2026	Teachers' Day Award	Best Contribution in Community Service; awarded by ACT Academy, Kerala and Tamil Nadu.
2018	Aavishkar – University Level	First Prize for poster presentation on improvement of fish health using probiotic feed: an immunomodulatory aspect.
2018	Aavishkar – District Level	First Prize for the same research poster at COCSIT, Latur.
2016	National Conference	Consolation Prize for poster presentation on use of plants and microbes for green biotechnology.

TECHNICAL & LABORATORY EXPERTISE

Area	Competencies
Microbiology	Sterilization; pure culture techniques; bacterial isolation and characterization; morphological, biochemical and molecular characterization.
Molecular Biology	PCR; DNA ligation; restriction digestion; plasmid preparation; transformation; conjugation; phage titration; Southern, Northern and Western blotting.
Biochemistry / Biophysics	Agarose, Native PAGE and SDS-PAGE; paper, TLC, ion-exchange and gel-permeation chromatography; ultracentrifugation; spectroscopy; enzymology.
Computing	MS Office; internet-based academic work; digital teaching and AI-assisted academic productivity.

FACULTY DEVELOPMENT, TRAINING & PROFESSIONAL DEVELOPMENT

Year	Programme / Course	Organizer / Provider
2026	Workshop on AI Tools & Claude	be10x; 13 September 2026
2023	Workshop on Techniques in Molecular Biology	HiMedia Laboratories Pvt. Ltd.; RSML, 28–29 December 2023
2022	Faculty Training: Preparation of Research Manuscript – Basics, Ethics & Requisites	Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
2022	IP Awareness / Training Programme under NIPAM	Intellectual Property Office, India
2021	National Online FDP: ICT Tools for Effective Teaching Learning	IQAC, Kamla Nehru Mahavidyalaya, Nagpur
2021	Faculty–Student Development Programme: Education and Development	UGC STRIDE Component-I; Vinayakrao Patil Mahavidyalaya, Vaijapur
2020	National Online FDP: ICT Tools for Effective Teaching Learning	School of Mathematical Sciences, SRTMU Nanded
2020	One-week Scilab Training	Spoken Tutorial Project, IIT Bombay
2020	Two-week Online Workshop: Comprehensive e-Learning to e-Training Guide for Administrative Work	Ramanujan College, University of Delhi
2020	Online courses: COVID-19, Bacterial Genomes & AMR, Online Teaching, Science of Medicines	FutureLearn / respective academic institutions
2020	NAAC Awareness Programme for Faculty	MMIT, Lohgaon, Pune

RESEARCH & INNOVATION FOCUS

- Probiotic applications for fish health, growth performance, immunity and nutritional quality.
- Isolation and characterization of potential probiotic microorganisms from fish gut and fermented food sources.
- Fish pathogen isolation and characterization from the Latur region.
- Sustainable transformation of floral waste into value-added products through guided student research.
- Herbal and natural-product approaches in student research projects.
- Sustainable biodiesel production from *Aphanamixis polystachya* (Pithraj) seed oil.
- Student entrepreneurship, startup proposal development and research-to-innovation mentoring.

PROFESSIONAL STRENGTHS

- Research-oriented teaching and practical laboratory training.
- Student mentoring with demonstrable outcomes in research competitions, scholarships and innovation funding.
- Academic collaboration, scientific communication and interdisciplinary project development.
- Continuous professional development and integration of emerging digital and AI tools in academic work.