

Kadam Aditya Anil

CAREER OBJECTIVE

Seeking opportunities in Science Education, Academics, Nanobiotech Research, Science communication, AI in biology, Content creation, Science Journalism and Microbiology R & D industry.

EDUCATION

The Gandhigram Rural Institute, Dindigul, Tamilnadu — M. Sc. Microbiology

(Ministry of Education, Government of India)
2023 - 2025

Overall Percentage : 82.62 %

Rajarshi Shahu Mahavidyalaya(Autonomous), Latur, Maharashtra

B. Sc.

(Shiv Chhatrapati Shikshan Sanstha)
2020 - 2023

Triple Majors: Microbiology, Botany, Chemistry.
Overall Percentage : 80 %

CERTIFICATIONS/TRAININGS

- Certificate of completion of a course on [Astronomy](#) conducted by KODACY, an official space tutor of ISRO.
- Certificate of two week course on “[Biofertilizer Technology: Gateway to Entrepreneurship](#)” by Department of Microbiology, Rajarshi Shahu Mahavidyalaya, Latur in collaboration with Green Vital Biotech, Pune, Maharashtra (2021).
- Short-term Beekeeping Training Programme by Central Bee Research & Training Institute, Pune. (2023)
- Certificate of Participation in “[National Level Workshop on Handling of Modern Analytical Instruments](#)” by Department of Microbiology, Rajarshi Shahu Mahavidyalaya, Latur in collaboration with Reliable’s Shree Industrial Training Centre, Jalgaon, Maharashtra (2020).

PERSONAL DETAILS

Date of Birth: 24th April, 2003

Age: 22

Blood Group: B+

Gender: Male

Marital Status: Unmarried

Address:

‘Datta Krupa’
Behind Vidyavikas Vidyalaya,
Shree Nagar, Barshi Road,
Latur, 413512

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SKILLS

Research Skills
UV-Vis Spectroscopy
Microscopy
Nanomaterial Synthesis
Microbial Techniques
Microbial Culturing
AMR Screening
Microbial Assays
Enzyme Assays
FT-IR Analysis Interpretation
SEM Interpretation
Scientific Writing
Blogger
Google Docs
SciLab (AI Aided)
Canva
Generative AI

- Certificate in [Advanced Physics](#) by Alison, Ireland (2019).
- Certificate in [Particle Physics](#) by Open Learning University (2019).

LANGUAGES

Marathi (Native), Hindi, English, Tamil (Spoken).

LITERARY CONTRIBUTIONS

- Kadam, Aditya (2021): Coronavirus: A challenge that influenced nearly all fields of science. <https://doi.org/10.6084/m9.figshare.17129069.v1>
- Kadam, Aditya, et. al. (2021): Hydrogel Technology: A Step towards Futuristic Farming. <https://doi.org/10.6084/m9.figshare.17708666.v4>
- Kadam, Aditya. (2022). A brief overview on origin, mechanism and therapeutical applications of crispr-cas9 technology. In *Frontiers in Life Science Volume VII* (1st ed., Vol. 6, pp. 54-59). Kolhapur, Maharashtra: Bhumi Publishing.
- Kadam, A. (2022). COVID-19: The Pandemic and Science.. In *COVID-19: PERCEPTIONS of the BUDDING BIOLOGISTS*. Edited by Aniroodha Pethkar et al., 1st ed., 2022.

BLOG

<http://thesolarstep.blogspot.com>

SOCIAL MEDIA

[ORCID](#) 0000-0001-9585-8955

[ResearchID](#) 16069

[Figshare](#) 11796629

[LinkedIn](#) @thesolarstep

[X](#) @thesolarstep

[Facebook](#) @thesolarstep

[Instagram](#) @thesolarstep

PROJECTS

1. **Green synthesis of ZNO nanoparticles using lactobacillus for photocatalytic degradation of dyes and antibiotics:** Under guidance of Dr. N. Manivannan, Faculty member, Department of Biology, The Gandhigram Rural Institute (DTBU), Gandhigram, Tamil Nadu (2025).
2. **Isolation and study of anthracene degrading bacteria:** Under guidance of Dr. K. G. Maske, Professor & Head, Department of Microbiology, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur, Maharashtra (2023).

ACHIEVEMENTS & CONTRIBUTIONS

- **Founding Honorary Editor at Biology Innovations Research & Developments (BIRD) Magazine of Department of Biology, The Gandhigram Rural Institute (DTBU), Gandhigram, Dindigul, Tamil Nadu (2025 - Now).**
- **Founding Executive Editor at Biology Innovations Research & Developments (BIRD) Magazine of Department of Biology, The Gandhigram Rural Institute (DTBU), Gandhigram, Dindigul, Tamil Nadu (2025).**
- **GATE XL (2023) Qualified in Microbiology & Zoology** at Undergraduate Level with score of **455**.
- Two research review papers written and published (cited above).
- Contribution to **two eBooks** as author of book chapters (cited above).
- Winner of ***Best Essay Award*** in National Level Microbioslate competition.
- Creator & director of a Marathi science podcast **“ज्ञान, विज्ञान आणि बरंच काही”** available for streaming on [Spotify](#), [Google Podcasts](#), [Pocket Casts](#), [RadioPublic](#).
- Composition and release of an original music track **“Passe Trappe”** on Spotify as an independent artist nicknamed **“The Solar Step”**.
- **Editor** of two department-level active online science blogs: **“MICROBIOZINE”** for the Department of Microbiology & **“SHAHU-BOTANICA”** for the Department of Botany. (2023)
- Chaired as the **Vice-president** at **MICROBIOL** Association of Microbiology, Department of Microbiology, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur. (2022-23)
- Chaired as the **Vice-president** at **SYMBIOSIS** Association of Botany, Department of Botany, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur. (2022 - 23)
- **Magazine editor** of department-level eMagazine culture in Rajarshi Shahu Mahavidyalaya (Autonomous), Latur, Maharashtra by initiating three eMagazine issues of **“MICROBIOZINE”** for Department of Microbiology. (2022)
- Sub-chief at **Universal Science Club**, a registered (Unique Authorization No. VP-MH0300) science club affiliated with Vigyan Prasar (An autonomous organisation of the Department of Science & Technology, Govt. of India). (2016-2023)

CONFERENCES

- Attended **“MicCon 24”** An International Conference on **“Recent Trends in Microbiology”** at Madurai Kamaraj University, Madurai on September 24, 2024.
- Attended **“National Conference on Fungal Frontier: Fungal Farming and Healthcare (FFFFH-2025)”** at Alagappa University, Karaikudi on March 17 & 18, 2025.
 - Presented a paper titled **“Lactobacillus-mediated Synthesis of ZnO Nanoparticles and Exploration of Their Applications in Bioremediation”** and won the first prize as **Best Paper Award**.

