

Name: - Miss. Karuna Sudhir Komatwar

PERSONAL DETAILS:

Designation	Asst. Professor (Biotech. Division)
Qualification(s)	M.Sc. Biotechnology, B.Ed., PET (BAMU)
Email-Id	sanyra00780@gmail.com
Office Contact No:-	8329909199
Mobile No. (Optional):-	8329909199

EDUCATIONAL DETAILS:

Sr. No.	Name of Course (UG/PG/Other)	Name of Institute/University	Year
1	Bachelor of Education	Matoshri Kesharbai Kale College of Education, Latur	2026
2	PET (Ph.D. Entrance Test)	Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajnagar	2025
3	M.Sc. Biotechnology	Dayanand Science College, Latur	2019
4	B.Sc. (Chemistry, Fishery, Zoology)	Dayanand Science College, Latur	2017

MEMBER OF COLLEGE COMMITTEES

Sr. No.	Name of Committee	Role
1	Member of Board of Studies of Biotechnology and Food Process and Technology	Member
2	Mentor Mentee Committee	Member
3	Admission Committee	Member
4	Drafting Committee	Member
5	Proposal Committee	Member
6	Examiner/Paper Setter, Examination Committee	Member
7	Annual Gathering Committee (Discipline)	Member
8	Activity Report Committee	Incharge
9	Website Committee	Incharge
10	NAAC Committee	Criteria III Incharge
11	Compulsory Online Course on Environmental Studies for Third Year (Semester V) students across all faculties	Course Developer

RESEARCH GUIDANCE:

No. of Students under Research Guide ship (PG and UG) – 50

EXPERIENCE DETAILS:

Sr. No.	Particulars	Durations
1.	Teacher at Mount Litera Zee International School, Latur	6 months
2.	Assistant Professor at Dept. of Biotechnology, Dayanand Science College, Latur	2 years
3.	Assistant Professor at Dept. of Biotechnology, Rajarshi Shahu Mahavidyalaya, Latur (Empowered Autonomous Institution)	From 01/01/2022 to till date

SKILLS:

- **Immunology Skills:** Basic knowledge of immunological techniques, antigen-antibody interactions, immune responses, immunoassays, and laboratory procedures.
- **Microbiology Skills:** Microbial culture techniques, aseptic techniques, staining, microscopy, microbial identification, media preparation, and basic microbiological analysis.
- **Pharmaceutical Technology:** Basic knowledge of pharmaceutical formulations, dosage forms, drug preparation processes, quality control, and pharmaceutical laboratory practices.
- **Food Processing Technology:** Basic knowledge of food processing methods, food preservation, quality control, hygiene, and food safety practices.
- **Laboratory Skills:** Sample preparation, solution preparation, pH measurement, filtration, centrifugation, microscopy, aseptic handling, and basic laboratory techniques.
- **Research Skills:** Literature review, experimental planning, observation, data collection, interpretation, and scientific documentation.
- **Documentation:** Preparation of laboratory records, experiment reports, SOPs, research documentation, and scientific reports.
- **Data Analysis:** Experimental data collection, basic calculations, data interpretation, tabulation, and preparation of research reports.
- **Software Skills:** MS Word, MS Excel, PowerPoint, and basic data analysis and presentation.
- **Communication & Drafting:** Excellent written and verbal communication, scientific writing, technical report drafting, presentation skills, and professional correspondence.
- **Quality & Safety:** Knowledge of Good Laboratory Practices (GLP), laboratory safety, aseptic practices, PPE, chemical handling, and basic quality control procedures.
- **Soft Skills:** Problem-solving, critical thinking, attention to detail, teamwork, time management, adaptability, and effective communication.

PARTICIPATION AS A GUEST LECTURE/RESOURCE PERSON/PAPER PRESENTER/INVITED TALK

Sr. No.	Name of Topic	Name of Invited Institute	Role
1.	Hands on Training program on "Basic and Applied Microbiological Techniques"	Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)	Resource Person

DETAILS OF BOOK CHAPTERS PUBLISHED BY FACULTY:

Sr. No.	Name of Author(s)	Title of Chapter / Article	Title of Book	Name of Publisher	ISBN/ISSN
1	Rohini Shinde, Karuna Komatwar	Smart Water and Waste Management Systems in Food Industries	Smart Solutions for Modern Food Processing Challenges	Prakash Publications	ISBN:978-93-6342-603-0
2	Ravindra Ade, Manisha Dhotre, Karuna Komatwar	Nanotechnology in Food Preservation: Applications, Challenges, and Educational Perspectives	Smart Solutions for Modern Food Processing Challenges	Prakash Publications	ISBN:978-93-6342-603-0
3	Karuna Komatwar , Manisha Dhotre	Digitalization and Automation in Food Industries: Industry 4.0 Technologies, Robotics Applications, Implementation Challenges, and Comprehensive Educational Strategies for Biotechnology and Food Science Curricula	Smart Solutions for Modern Food Processing Challenges	Prakash Publications	ISBN:978-93-6342-603-0

I] REFRESHER/ ORIENTATION PROGRAM ATTENDED**II] FDP/ SHORT TERM COURSE ATTENDED**

Name of the Teacher	FDP / STC (Dates)	Organizing Institute/University
Miss. Karuna Komatwar	Two Days Workshop on "Techniques in Molecular Biology"(28 & 29 December 2023)	Organized by HiMedia Laboratories Pvt. Ltd., Rajarshi Shahu Mahavidyalaya Latur, (Autonomous)

Name of the Teacher	FDP / STC (Dates)	Organizing Institute/University
Miss. Karuna Komatwar	Energy Conservation Awareness Workshop	Maharashtra Energy Development Agency, Regional Office, Latur & Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Miss. Karuna Komatwar	One Day State Level Webinar on "Mental Health & Well-Being During COVID-19 Pandemic"(29 May 2021)	Organized by Commerce Association, Dayanand College of Commerce, Latur.
Miss. Karuna Komatwar	One Day National e-Workshop on "Scientific Writing and Presentation Skills"(30 September 2021)	Organized by Department of Microbiology and Biotechnology, Dayanand Science College, Latur.
Miss. Karuna Komatwar	Three Days National Level Training cum Workshop On "Proteomics, Genomics & Bioinformatics" (24 February to 26 February 2020)	Organized by Department of Microbiology and Biotechnology, Dayanand Science College, Latur.
Miss. Karuna Komatwar	Two Days Workshop on "Techniques in Molecular Biology" (7 & 8 March 2019)	Organized by HiMedia Laboratories Pvt. Ltd., Dayanand Science College, Latur.
Miss. Karuna Komatwar	UGC-CPE Sponsored One Day Workshop on "Intellectual Property Rights : Indian Scenario" (16 December 2019)	Organized by Department of Botany, Dayanand Science College, Latur.
Miss. Karuna Komatwar	UGC-CPE Sponsored One Day Workshop on "Energy Management" (7 September 2018)	Organized by Department of Botany, Dayanand Science College, Latur.
Miss. Karuna Komatwar	Workshop on "Organic Farming" (12 January 2018)	Organized by Dayanand Science College, Latur.
Miss. Karuna Komatwar	National Seminar on "Intellectual Property Rights (IPR)" (22 September 2018)	Organized by Department of Botany, Dayanand Science College, Latur.
Miss. Karuna Komatwar	One Day Conference on National Education Policy (26th Feb. 2026)	Maharashtra State Faculty Development Academy
Miss. Karuna Komatwar	Completed 60-minutes Certificate Course on AI Master Class Organized by Maharashtra Knowledge Corporation Limited (MKCL) on the occasion of its 25th Anniversary Celebration	MKCL
Miss. Karuna Komatwar	Organizer at the International Conference on Advances in Life Sciences for Sustainable Development (ICALSSD-2026), PM-USHA Sponsored, held on 13-14 March 2026.	Department of Botany, Biotechnology and Microbiology, Rajarshi Shahu Mahavidyalaya, Latur

Name of the Teacher	FDP / STC (Dates)	Organizing Institute/University
Miss. Karuna Komatwar	Presented Research Paper on "Nanotechnology in Food Preservation: Applications, Challenges and Educational Perspective" at the PM-USHA Sponsored One-Day National Seminar on "Smart Solution for Modern Food Processing Challenges" (NSSMFPC-2025), (30 December 2025)	Department of Zoology & Fishery Science and Biotechnology, Rajarshi Shahu Mahavidyalaya, Latur.
Miss. Karuna Komatwar	Ten days program on "Research methodology course-2025 (RMC-2025) (24 Nov to 4 Dec 2025)	Dept. of Marathi, Rajarshi Shahu Mahavidyalaya, Latur
Miss. Karuna Komatwar	National Conference on "Effective Implementation of Innovative and Best Practices in Higher Education" (12 March 2026)	Maharashtra State Faculty Development Academy