

Curriculum vitae

Name	Mr.Udaybhanu Pandharinath Sirdeshmukh
Qualification	M.Sc., B.Ed, SET (in Life sciences)
Department	Biotechnology
Designation	Assistant professor of Biotechnology Department of Biotechnology Rajarshi Shahu Mahavidyalaya, Latur (Autonomous). Hudco, Latur 413512 (Maharashtra)
Mobile no.	9421446839
Email id	uday1biotech@gmail.com

Specializations: Proteomics, Protein chemistry, Fish biology and fish culture

Course Taught : Genetics, Basic bioscience, Developmental biology ,Agricultural Biotechnology, Enzymology and protein engineering, Genomics and proteomics, Environmental biotechnology, Tools and techniques in biology, Molecular biology, Advanced analytical techniques and bioinstrumentation, Environmental studies.

Research specializations: Fish biology, Fish muscle proteomics ,fish physiology, limnology, Mushroom cultivation and technology development, Biofertilizers development, Analysis and applications of Plant secondary metabolites.

Skills

- Technology-based learning tools
- Classroom lectures
- Distance learning tools
- Evaluations and assessments
- Student engagement
- Tutoring and coaching
- Student evaluation
- Meeting participation
- Curriculum input
- Class engagement
- Academic publication
- Syllabi preparation
- Classroom discipline
- Lecture and discussion planning

- Educational material coordination

Experience

- Ambitious **Assistant Professor** with **17 years** of experience in education. Skilled in delivering scheduled lectures and collecting educational information for use in presentations. Committed to serving as mentor and liaison for over **7000 students**.

Meticulous academic professional skilled in developing and maintaining student engagement in online and in-classroom environments. Bringing a strong foundation of providing course content in an engaging manner demonstrated over **17 years** within the academic sphere.

Education:

Academic vitae

Name of Course	University/Board	Year of passing
B.Sc.	Swami Ramanand Teerth Marathwada University,Nanded	June 2000
M.Sc.	Swami Ramanand Teerth Marathwada University,Nanded	June 2002
B.Ed.	Swami Ramanand Teerth Marathwada University,Nanded	June 2003
SET	Savitribai Phule Pune University,Pune	May 2016
MS-CIT	M.S.B.of T.Edu.,Mumbai	Dec 2004
GATE 2014	IIT Kharagpur,India	March 2014
GATE 2015	IIT Kanpur,India	March 2015
PET (Ph.D.Entrance Test)	Swami Ramanand Teerth Marathwada University,Nanded	August 2010
Ph.D.	Swami Ramanand Teerth Marathwada University,Nanded	Final synopsis submitted

Research Publications

- 1."A study of Physico-Chemical Parameters for determining Fish Culture Potential in Latur District Water Bodies" Ajanta - An International Quarterly Multidisciplinary Journal , Volume VIII- Issue I- Part II ,January - March 2019 ,Page no. 90-97. ISSN-2277-5730, Impact Factor - 5.5
- 2."Feed Formulation and Optimization of Fish Feed for Different Developmental Stages of Indian Major Carps from Spawn to Marketable Size Fish Stage" International Journal of Emerging Technologies and Innovative Research(JETIR),Volume 6 Issue 6 ,June 2019 , page no.654-659.ISSN-2349-5162. Impact Factor - 5.87.

Certificate Courses Completed Including Faculty Development Programmes (FDP)

All are Massive open Online Courses (MOOCs)

By NPTEL -All Indian Institute of Technology, India

List of Courses

- Biochemistry
- Introduction to Research
- Introduction to Proteomics
- Biomedical Nanotechnology
- Cell culture technologies
- Animal Physiology
- Bioinformatics : Algorithms and applications
- Ecology and environment
- Functional Genomics
- Human Molecular genetics
- Experimental Biochemistry
- Genetic Engineering : Theory and applications
- Introduction to Biostatistics
- Plant Developmental Biology
- Developmental biology

Swayam - MOOCs

- Analytical Techniques

ARPIT

- Pedagogical Innovations and Research Methodology(Interdisciplinary)

IIT Bombay _ MOOCs

LaTeX101x: LaTeX for Students, Engineers, and Scientists

Professional development programmes attended

I] Refresher/ Orientation Program Attended

Sr.no.	Orientation Course	Organizing Institute/University
1	Faculty of Universities/Colleges/Institutes of Higher Education.” 26 June to 24 July 2020	Ramanujan College, University of Delhi, Sponsored by MHRD, PMMMNMNTT

II] FDP/ Short Term Course Attended

Sr.no.	FDP / STC	Organizing Institute/University
1	FDP on Open-Source Tools for Research (08 th – 14 th June 2020)	Conducted by Teaching Learning Center, Ramanujan College, University of Delhi, Sponsored by MHRD, PMMMNMNTT
2	FDP on “Entrepreneurship, Incubation and innovation” (23 rd to 29 th June 2020)	Conducted by Teaching Learning Center, Ramanujan College, University of Delhi, Sponsored by MHRD, PMMMNMNTT

C) Workshop Participated

- **Big Data and Precision Medicine (BDPM-2020)**
Partnership Development Workshop
3rd to 7th March ,2020
IIT Bombay,Mumbai,India
- The STEM Teacher Training Workshop On Research-Based Pedagogical Tools (Level 1) - Jointly Sponsored by the Department of Biotechnology,Govt.Of India, Newton Bhabha Fund of The British Council;Center of Excellence in science and Mathematics Education,IISER Pune (Supported by MHRD,Govt. of India) . 26 February - 1 March, 2017.
- Size Exclusion Chromatography/Gel Permeation Chromatography - Venture Center, Pune, India.4 February 2012.
- Microscopy for Life Sciences - Venture Center, Pune, India. 12-14 January 2012.
- 6th National Workshop on Preparative and Process Chromatography and 2nd National Workshop on Proteomics - Bio-Rad and Institute of Chemical Technology, Matunga, Mumbai.24 -26 August 2011.
- Quantitative Techniques in Biodiversity Assessment - School of Life Sciences, Swami Ramanand Teerth Marathwada University, Nanded.February 26-27, 2010.

D) Seminar/Webinar/Conference/Guest Lecture/ Training Program attended by Faculty of Biotechnology

Sr.no.	Seminar/Webinar/Conference/Workshop/Guest Lecture/ Training Programme Attended with Date	Organizing Institute/University
1	One Week Pedagogical Training for Teachers on Tools for Online Teaching Learning and Evaluation (01 st -06 th July 2020)	School of Mathematical Sciences, SRTM University, Nanded.
2	One Day online Workshop on “Intellectual Property Rights (IPR) and Patents” (15 th March 2021)	IC and Incubation Innovative Council (IIC), Rajarshi Shahu Mahavidyalaya (Autonomous), Latur in collaboration with Rajiv Gandhi

		onal Institute of Intellectual Property Rights Nagpur
3	National Workshop on “Exploration on Intellectual Property Rights (EIPR-2021)” (January 2021)	Organized by the Research Advisory Committee (RAC) and Intellectual Property (IP) cell, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
4	National Workshop on “Good laboratory Practices and its integration to NAAC-2020 (GLPIN-2020)” (30 th December 2020)	Department of Chemistry, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
5	One day Workshop on “Strategies for Effective Online Teaching”	Department of English, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
6	Online Workshop on “NAAC Assessment and Accreditation Process” (06th June, 2020)	Organized by IQAC, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur in collaboration with RUSA, Govt. of Maharashtra, Mumbai and Joint Director Office, Higher Education, Nanded Region, Nanded
7	National Workshop in Structural Bioinformatics “In Silico Techniques in Drug Designing” (27-29 May, 2020)	jointly organized by Bioinformatics Center, Dept. of Biotechnology, Barkatullah University and Corporate institute of Pharmacy , Bhopal
8	One day webinar on “Teacher’s Role in Implementation of National Education Policy: Awareness, Challenges & Opportunities”, (1 March 2021)	Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
9	National webinar on ‘Diagnostic and vaccine strategies for COVID-19 (7 June 2020)	arshi Shahu Mahavidyalaya (Autonomous), Latur
10	National webinar on ‘Career opportunities in Biotechnology (28 June 2020)	arshi Shahu Mahavidyalaya (Autonomous), Latur

Membership and Curricular, Co-curricular and Extra-curricular activities

1. Member of Board of Studies in Biotechnology, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
2. Member of Board of Studies in Food Processing and Technology (B.Voc.), Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
3. Additional Chief Superintendent (ACS) For Examinations, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
4. Working as a Member of NIRF committee, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
5. Worked as a member of Value education and Environmental Education Committee, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
6. Worked as Member of the Examination Committee in the Faculty of Biotechnology, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur as an Examiner and Paper setter.
7. Worked as Member of Examination Committee in Faculty of Biotechnology, at Swami Ramanand Teerth Marathwada University, Nanded as an Examiner and Paper setter.
8. Working as a Member Annual gathering Committee as a member of Discipline and cultural Activities committee - Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.
9. Member of 'Shabdagandh' Annual Publication of Rajarshi shahu Mahavidyalaya (Autonomous), Latur.

