

CURRICULUM VITAE



Ms. Rakhi Dnyaneshwar Bankar

Assistant Professor

Department of Chemistry

Shri Shivaji Science College,

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PERSONAL PROFILE

Name	:	Ms.Rakhi Dnyaneshwar Bankar
Nationality	:	Indian
Present position	:	Assistant Professor (Regular, Grant aid)
Address Correspondence	:	Tribhuvan Colony, Plot No – 09, Haribhau Kaloti Nagar, Near Dastur Nagar old Bypass Road Amravati, 4446060
Office Address	:	Department of Chemistry, Shri Shivaji Science College, Amravati-444603, Maharashtra
Marital Status	:	Unmarried

ACADEMIC QUALIFICATIONS

M.Sc (Organic Chemistry)	-	Department Of Chemistry, Savitribai Phule Pune University.(2013)(SPPU)
B.Sc.(Microbiology)	-	Shri Shivaji Science College Amravati (2011)
SET.(Chemical Sciences)	-	Savitribai Phule Pune University.(2015 & 2016)

AREAS OF SPECIALISATION / INTEREST

- Organic chemistry

AREA OF RESEARCH

- Inorganic chemistry (Synthesis of Schiff Base ligand metal complexes)

PROFESSIONAL EXPERIENCE

- Assistant Professor (As Regular Faculty) : Shri Shivaji College of Arts, Commerce and Science, Akola, Maharashtra.
- Contributory Senior College Lecturer : Government Vidarbha Institute of Science & Humanities, Amravati.
- Contributory Senior College Lecturer : Department of Chemistry, Sant Gadge Baba Amravati University.

TEACHING EXPERIENCE

- Under Graduate (UG Level) : 06 years 06 Months
Post Graduate (PG Level) : 06 Years 06 Months

RESEARCH PAPER PUBLISHED (NATIONAL/INTERNATIONAL)

Sr. No	Title of the Paper	Name of the Journal	Whether peer reviewed	Impact Factor	Vol.No/ISSN /ISBN NO/Page No	National /International	Name of the conference/organization
1	Phytochemical Investigation by GC-MS analysis of Carica	JETIR, Journal of Emerging Technologies and Innovative Research	Peer Reviewed	7.95	ISBN 2349-5162, -Vol-7 Issue:2 Feb.2020	National	Innovative Research in Science and Technology" (NCIRST-2019,17 & 18 th December 2019 organised by Shri

	Papaya leaves						Shivaji Science College, Amravati
2	Triflic Acid-Catalysed Efficient Synthesis of Oxazino[4,3-A]Indoles		Peer Reviewed	-	ISBN No: 978-81-923254-0-8 Page No 84-92	National	National Seminar on 'Recent Trends in Nanotechnology and Biodiversity Conservation' 20th – 21st January 2026 organised by Bajaj College of Science, Wardha
3	Indian Knowledge System: Vedic Metallurgy and Metallurgical Processes in Trade and its Global Influence	Ayushi International Interdisciplinary Research Journal (AIIRJ)	Peer Reviewed	8.379	(ISSN 2349-638x) Special Issue No.153	National	National Conference on Indian Knowledge System organised by JD Patil Sangludkar Mahavidyalaya Daryapur, Dist Amravati
4	A Compendium: Indigenous Knowledge System and National Education Policy 2020	SCHOLAR S IMPACT International Multidisciplinary Journal of Contemporary Research	Peer Reviewed	7.02	ISSN 2394-7632 EISSN 2394-7640, VOL.13 ISSUE 1 MARCH 2026	International	International Interdisciplinary Conference on "Materials Science and Knowledge Convergence: Recent Advances for Sustainable Development". 13th February 2026 Organised by Mungsaji Maharaj Mahavidyalaya, Darwha, Yawatmal

RESERCH PAPER PRESENTED (NATIONAL/INTERNATIONAL)

Sr.No	Title of the Paper	National /International	Name of the conference/organization
1	Phytochemical Investigation by GC-MS analysis of Carica Papaya leaves	National	Innovative Research in Science and Technology" (NCIRST-2019, 17 & 18 th December 2019 organised by Shri Shivaji Science College, Amravati
2	Synthesis of Triflic Acid catalysed by derivatives indols	National	Recent advances in physical and Mathematical Sciences

			NCRAPMS18 th Jan 2020 organised by Shri Shivaji College of Arts, Commerce & Science, Akola
3	Synthesis, Spectroscopic Characterization, Thermal Analysis and Biological Studies of Cu(II), Cd(II), Cr(III), Mn(III), Zr(IV) and Th(IV) Complexes of Hydrazone Schiff Base	National	Current Trends in Chemical Science NCCTCS-2022, 28 th & 29 th June 2022 organised by Dept. of Chemistry, SGBAU in collaboration with The Association Of Chemistry Teachers (ACT) & Indian Chemical Society
4	Thermal studies, Antimicrobial activity and Spectral Characterization of Cr(III), Mn(III), Fe(III) and VO(IV) complexes of salicylaldehyde and salicyloyl hydrazone.	National	Exploring the Frontiers of Science collaborations, innovations & sustainability, 8th Feb 2025 organised by Adarsh Mahavidyalaya, Dhamangaon Rly, Dist. Amt
5	Thermal studies, Antimicrobial activity and Spectral Characterization of Cu(III), Mn(II), Zn(II) and VO(IV) complexes of salicylaldehyde and salicyloyl hydrazone.	National	Earth, Element and Energy: Interdisciplinary Perspective NCE3IP-2025 organised by Shri Shivaji Science College, Amravati
6	Triflic Acid-Catalysed Efficient Synthesis of Oxazino[4,3-A]Indoles	National	National Seminar on 'Recent Trends in Nanotechnology and Biodiversity Conservation' 20th – 21st January 2026 organised by Bajaj College of Science, Wardha
7	Indian Knowledge System: Vedic Metallurgy and Metallurgical Processes in Trade and its Global Influence	National	National Conference on Indian Knowledge System organised by JD Patil Sangludkar Mahavidyalaya Daryapur, Dist Amravati.
8	A Compendium: Indigenous Knowledge System and National Education Policy 2020	International	International Interdisciplinary Conference on "Materials Science and Knowledge Convergence: Recent Advances for Sustainable Development". 13th February 2026 Organised by Mungsaji Maharaj Mahavidyalaya, Darwha, Yawatmal

PATENT PUBLISHED/GRANTED

Sr.No	Title of the Patent	Published /Granted	Year	Agency
1	UV Ozone Hybrid Disinfectant Device	Granted (International)	2025	UK Design (International)

BOOKS, CHAPTERS PUBLISHED/EDITED (ISBN/ISSN NO)

Sr.No	Title of the Book	Title of the chapter	National/International	Publication
1	WOMEN,MEN,AND BEYOUND,Gender Discourses In Literature (Vol-1)	Rewriting Her Story:Feminism And Literary Tradition	National	Forever Shining Publication, New Delhi
2	WOMEN,MEN,AND BEYOUND,Gender Discourses In Literature (Vol-2)	Female Subjectivity In Literature	National	Forever Shining Publication, New Delhi

Refresher/Induction/orientation courses/Short Term/FDP/Training/Seminars/Workshops

Orientation Courses (02)	<p>1. Online Faculty Induction Programme/Orientation Programme organized by Teaching Learning Centre (TLC), Ramanujan College in association with Research Development and Services Cell, Ramanujan College, University of Delhi under MHRD-sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) Scheme 04/06/2020 to 01/07/2020.</p> <p>2. Online NEP 2020 Orientation & Sensitization Programme under the Malaviya Mission Teacher Training Programme (MM-TTP) of the University Grants Commission (UGC) jointly Organized by UGC-Malaviya Mission Teacher Training Centre, Sant Gadge Baba Amravati University, Amravati, and Shri Shivaji Science College, Amravati (Maharashtra) from 13th January 2025 to 22nd January 2025</p>
Refresher Courses (03)	<p>1. Online Two week Refresher Course Programme on "Data Analysis With Statistical Methods" by Ramanujan College, Delhi under MHRD-sponsored, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) Scheme 21/12/2020 to 3/1/2021.</p> <p>2. Two-Week Refresher Course in "NATURAL SCIENCES" from 20 September - 04 October 2021 Teaching Learning Centre, Ramanujan College University of Delhi in collaboration with Department of Chemistry, Rajdhani College, University of Delhi under the aegis of</p>

	<p>MINISTRY OF EDUCATION PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING</p> <p>3. Two Week Interdisciplinary Refresher Course entitled 'Artificial Intelligence in Research' organized by Malaviya Mission Teacher Training Centre (MMTTC), Central University of South Bihar (CUSB), Gaya in collaboration with Shyam Lal College (University of Delhi) under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) from 19th February to 3rd March 2026</p>
Short Term Courses (03)	<p>1. Online Short Term Course "Challenges in Discovery of Antiviral Agents and Vaccines" by UGC-Human Resource Development Centre JNTUH Kukatpally, Hyderabad, Telangana state (India) 500085 08/06/2020 to 13/06/2020.</p>
	<p>2. 123 Online Short-Term Course on E-Content Development organized by UGC-Human Resource Development Centre Gujarat University 08/03/2021 to 14/03/2021.</p>
	<p>3. Online Short Term Training Programme (STTP) on Synthesis & Functionalization Of Nanomaterials conducted by Dept. Of Nanotechnology, Swarnandhra College of Engineering & Technology (Autonomous), AICTE from 10/05/2021 to 15/05/2021</p>
Faculty Development Programme (05)	<p>1. Online Faculty Development Programme "Comprehensive e-Learning to e-Training guide for Administrative Work" by Ramanujan College, Delhi under MHRD-sponsored, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) Scheme 25/5/2020 to 5/6/2020.</p> <p>2. Online Faculty Development Programme by Auxilium College (Autonomous) in association with the spoken tutorial project, IIT Bombay, through ICT, MHRD, Govt. of India. Department of Biochemistry, Auxilium College, (Autonomous) Vellore, funded by the National Mission on Education through ICT, MHRD, Govt. of India. 7/06/2020 to 14/06/2020.</p> <p>3. Online Faculty Development Programme "ACADEMIC WRITING" by Ramanujan College, Delhi under MHRD-sponsored, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) Scheme 12/3/2021 to 18/3/2021.</p> <p>4. Online Faculty Development Programme on "Application Of DFT (Density Functional Theory) in teaching and learning chemistry, physics & material sciences with software for chemistry & materials (SCM-AMS) organized by Dept. Of Chemistry in association with Teaching and Learning Centre, National Institute Of Technology, Warangal under (PMMMNMTT) Scheme, MHRD, Govt. of India. 19/03/2021 to 24/03/2021.</p> <p>5. Online Faculty Development Programme under the U.G.C. Paramarsh Scheme, organized by the Internal Quality Assurance Cell (IQAC), NAAC Assessment & Accreditation 08/03/2020 to 13/06/2020</p>

Conferences (13)

1. National conference on “Innovative Research in Science and Technology” (NCIRST-2019) being organized by Department of Chemistry, Shri Shivaji Science College, Amravati (Maharashtra) scheduled for 17 & 18th December 2019.
2. National conference Recent advances in physical and Mathematical Sciences NCRAPMS 18th Jan 2020 organised by Shri Shivaji College of Arts, Commerce & Science, Akola
2. National conference on “Recent trends in pharmaceutical chemistry & drug delivery” organized by Internal Quality Assurance Cell (IQAC) & Dept of chemistry, Rajaram college, Kolhapur, Govt. of India.
3. National web conference on ‘Green catalysis and Material chemistry organized by Internal Quality Assurance Cell (IQAC) & Dept of chemistry held on 27th May 2020.
4. The Fifth International Conference on Advances in Materials Science (Online) (ICAMS – 2020) organized by Post – Graduate Department of Physics and IQAC of Raje Ramrao Mahavidyalaya, Jath – 416 404, Dist – Sangli, Maharashtra, India during 06th - 07th June 2020.
5. NATIONAL CONFERENCE ON “ADVANCES IN CHEMICAL SCIENCES AND SUSTAINABLE DEVELOPMENT” (ACSSD-2021) ORGANIZED BY DEPARTMENT OF CHEMISTRY VPM'S B. N. BANDODKAR COLLEGE OF SCIENCE (AUTONOMOUS) IN COLLABORATION WITH DEPARTMENT OF CHEMISTRY DR. HOMI BHABHA STATE UNIVERSITY, THE INSTITUTE OF SCIENCE, MUMBAI MAHARASHTRA ON APRIL 9 & 10, 2021.
6. 53rd Annual National Online conference of IATE on Teacher Development : Concerns and Perspectives jointly organized by Indian Association of Teacher Educators (IATE) & School of Education (PMMMNMTT) in collaboration with Department of Education & Extension (DEE), Department of Physical Education (DPE), Department of Lifelong Learning & Education (DLLE) on 3rd & 4th April 2021.
7. International Conference IACS-2021 organised by Department of Chemistry, M.E.S's Abasaheb Garware College, Pune, during 21st-23rd October 2021.
8. National Conference on Current Trends in Chemical Science NCCTCS-2022, 28th & 29th June 2022 organised by Dept. of Chemistry, SGBAU in collaboration with The Association of Chemistry Teachers (ACT) & Indian Chemical Society
9. National Conference on Exploring the Frontiers of Science collaborations, innovations & sustainability, 8th Feb 2025 organised by Adarsh Mahavidyalaya, Dhamangaon Rly, Dist. Amt
10. National Conference on Earth, Element and Energy: Interdisciplinary Perspective NCE3IP-2025 organised by Shri Shivaji Science College, Amravati

	<p>11. National Seminar on ‘Recent Trends in Nanotechnology and Biodiversity Conservation’ 20th – 21st January 2026 organised by Bajaj College of Science, Wardha</p> <p>12. National Conference on Indian Knowledge System organised by JD Patil Sangludkar Mahavidyalaya Daryapur, Dist Amravati.</p> <p>13. International Interdisciplinary Conference on “Materials Science and Knowledge Convergence: Recent Advances for Sustainable Development”. 13th February 2026 Organised by Mungsaji Maharaj Mahavidyalaya, Darwaha, Yawatmal</p>
<p>Training Programme (03)</p>	<p>1. Thirty Hours Online Training Programme on ‘Research and Publication Ethics’ organised by School of Education, Central University of South Bihar, Gaya, Bihar, India under ‘Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching’ (PMMMNMTT) Scheme of Ministry of Education, Govt. of India from 15th March to 22nd March, 2021.</p> <p>2. “One Day Faculty Enrichment Programme on Catalysis and Stereochemistry” organized by Postgraduate and Research Department of Chemistry, Vivekananda College, Tiruvedakam West – 625 234, Madurai, Tamil Nadu under UGC-CPE grant on 29th March 2021.</p> <p>3. “One Day Faculty Enrichment Programme on Recent Trends in Electrochemical Energy Devices” organized by Postgraduate and Research Department of Chemistry, Vivekananda College, Tiruvedakam West – 625 234, Madurai, Tamil Nadu under UGC-CPE grant on 18th March 2021.</p>
<p>Seminars/Webinars (07)</p>	<p>1. UGC-Sponsored National Webinar on MOOC Development And Delivery conducted by UGC-HRDC, Guru Nanak Dev University, Amritsar on 24/03/2021</p> <p>2. National webinar series on “Research Methodology” held on 12th & 13th June, 2020, organized by Loyola College (Autonomous), Chennai-600034, Tamil Nadu.</p> <p>3. International webinar on sustainable chemistry IWSC-2021 organised by Association Of Chemistry Teachers (ACT), C/O Homi Bhabha centre for science Education (TIFR) Mumbai on 18th March 2021.</p> <p>4. National Webinar entitled “Systematic Data Organisation in Revised Accreditation Framework of NAAC” jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education and S.S.T College of Arts & Commerce (Affiliated to University of Mumbai, Mumbai) on 28th February 2021. (This is equivalent to a One Day Regular National Seminar).</p> <p>5. Webinar entitled “Catalysis for Sustainable Chemistry” organized by Department of Chemistry, Shri Shivaji College of Arts, Commerce and Science, Akola held on 20th March 2021.</p>

	<p>6. Webinar on “Emerging Trends in Organic Synthesis (ETOS-2021)” on 19th March 2021, organized by Department of Chemistry and Chemical Sciences, Central University of Jammu in collaboration with Department of Chemistry, IIT Jammu.</p> <p>7. International Level Webinar on “COVID-19 Pandemic Outbreak: Global Scenario” held on 23rd June 2020 organized by the Department of Chemistry, Deogiri College, Aurangabad, Maharashtra, India in collaboration with the Unit for Drug Discovery & Research, Central University of Technology, Free State, Bloemfontein, South Africa.</p>
<p>Workshops (05)</p>	<p>1. Workshop on Redefining Teacher Education & Rethinking Teaching and Learning organized by Centre for Professional Development of Teacher Educators, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), School of Education, Central University of Gujarat on 19th March 2021.</p> <p>2. National Workshop entitled “ICT Tools For Chemistry Teachers” organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education on 22nd February 2021. (This is equivalent to a regular National Workshop).</p> <p>3. One Day Online Workshop on Intellectual Property Rights (organized by Internal Quality Assurance Cell (Research Assessment Committee of Shri Shivaji College of Arts, Commerce Science, Akola in Collaboration with IPR Cell (Sponsored by RGSTC, Mumbai) Sant Gadage Baba Amravati University, Amravati on dated 20 th January 2021.</p> <p>4. National Workshop on "Role of IQAC in Assessment and Accreditation Process" organized by Internal Quality Assurance Cell of PSGVP Mandal's SIP Arts, GBP Science and STKVSCommerce College, Shahada, Dist - Nandurbar (M.S.) in collaboration with State Project Directorate, RUSA, Maharashtra and Joint Director, Higher Education, Jalgaon Region on 22nd May 2020.</p> <p>5. International online workshop on “Nanomaterial Synthesis is emerging facet of the world “ Organized by Late Pushpadevi Patil Arts and Science college, Risod on 20th may 2020.</p>

Membership of professional bodies

1. Member of Amravati University Chemistry Teachers Association, Amravati
2. Nagpur University Teacher’s Association.

Ms. R. D. Bankar
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