

CURRICULUM VITAE



Dr. Rachana Rajendra Ingavale

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Current Designation: Assistant Professor

**Department of Environmental Science,
Shivaji University, Kolhapur**

Work Experience:

Designation & Nature of Appointment	Period (From- To)	Classes taught (P. G. level)	Name of the Institution
Assistant Professor	24/07/2024- Till date	M.Sc.	Department of Environmental Science, SUK
Assistant Professor	01/04/2021-	M.Sc. and	Chhatrapati Shahu Institute

	15/04/2023	MBA (Envt. Mgmt.)	of Business Education and Research (CSIBER), Kolhapur
Project Coordinator	July 2018 to April 2019	Capacity Development in Environment Management	K. J. Somaiya College of Science and Commerce, Mumbai
Assistant Professor (Temporary)	01/07/2015 to 19/01/2016	M.Sc.	Department of Environmental Science, SUK
Assistant Professor (Temporary)	01/07/2014 to 15/05/2015	M.Sc.	Department of Environmental Science, SUK
Assistant Professor (Temporary)	10/07/2013 to 09/05/2014	M.Sc.	Department of Environmental Science, SUK
Assistant Professor (Temporary)	05/07/2012 to 07/05/2013	M.Sc.	Department of Environmental Science, SUK
Assistant Professor (Temporary)	28/06/2011 to 08/05/2012	M.Sc.	Department of Environmental Science, SUK
Assistant Teacher (Temporary)	18/08/2006 to 05/03/2008	Secondary School	Sadhana Highschool, Gadhinglaj

Educational Qualification:

Examination Passed	Subject/ Subject with specialization	Year of Passing	Percentage / Grade	Name of the Board /University awarding Certificate / Degree
S.S.C.	Languages, Maths, Science, Social Sciences	2003	79.33%	Maharashtra State Board, Pune
H.S.C.	Languages, Mathematics, Physics, Chemistry, Biology	2005	66.17%	Maharashtra State Board, Pune
B.Sc.	Chemistry	2008	58.88%	Shivaji University, Kolhapur
M.Sc.	Environmental Science	2011	67.83% A+	Shivaji University, Kolhapur

SET	Environmental Science	2011	Passed	Pune University, Pune
NET	Environmental Science	2012	Passed	University Grant Commission (UGC)
Ph.D.	Studies on Degradability of Polyethylene based plastic by biological methods	2018	Ph.D. Awarded	Department of Environmental Science, Shivaji University, Kolhapur
MSCIT	Computer	2008	86.00%	MSBTE

Research Project:

Successfully completed Ph.D. thesis entitled “**STUDIES ON DEGRADABILITY OF POLYETHYLENE BASED PLASTIC BY BIOLOGICAL METHODS**” under the guidance of Prof. (Dr.) P. D. Raut at Shivaji University, Kolhapur.

Successfully completed one year academic project for M.Sc. on "**WATERSHED MANAGEMENT IN SHIVAJI UNIVERSITY, KOLHAPUR** " during 2010-11.

Publications

1. Patil, P. M., Mahamuni-Badiger, P., **Ingavale, R. R.**, Patel, P. R., & Dhanavade, M. J. (2024). Usage of Microplastic Beads in Pharmaceuticals and Cosmetics Industry: A Review. *Microplastic Pollution*, 51-72.
2. Patil, P. M., **Ingavale, R. R.**, Matkar, A. R., Hwang, S., Gurav, R., & Dhanavade, M. J. (2023). An Innovative and Effective Industrial Wastewater Treatments: A Brief History and Present Scenario. In *Advanced and Innovative Approaches of Environmental Biotechnology in Industrial Wastewater Treatment* (pp. 191-219). Singapore: Springer Nature Singapore.
3. **R. R. Ingavale** and P. D. Raut (2018), Comparative Biodegradation Studies of LDPE and HDPE Using *Bacillus weihenstephanensis* Isolated from Garbage Soil, Nature Environment and Pollution Technology, Vol 17, No. 2, pp- 649-655.
4. **Ingavale R.R.**, Patil C.K. and Raut P.D. (2018), Assessment of polyethylene degradation by *Aspergillus niger* using submerged cultivation and soil burial method, International Research Journal of Environmental Sciences, Vol. 7 N0. 7, pp- 16-22.

5. **R. R. Ingavale**, V. V. Jadhav and P. D. Raut (2013), Studies on watershed management in Shivaji University, Kolhapur, International Research Journal of Environmental Sciences, Vol 2, No. 7, pp- 35-38.
6. **R. R. Ingavale**, S. A. Mohite, T. V. Shinde and P. D. Raut (2012), Studies on physico-chemical characteristics of soil of Bhogawati river bank in Kolhapur District, Proceeding of International conference on sustainable Water Resources Development and Management, pp 263.

Papers presented at International Conferences / Seminars / Symposia :

1. **Ingavale R. R.** and Raut P.D., Degradation Assessment of Low Density polyethylene (LDPE) and High Density polyethylene (HDPE) by *Bacillus oryzaecorticis* (KF548480), presented at 14th International Symposium on Metal Ions in Biology and Medicines, during 28th-30th Nov. 2016 organized by Mumbai University, Mumbai.
2. **Ingavale R.R.**, Patil C.K. and Raut P.D., Assessment of polyethylene degradation by *Aspergillus niger* in composting and submerged cultivation method presented at 7th International Congress of Environmental Research (ICER 2014), during 26th-28th December 2014 organized by Journal of Environmental Research And Development (JERAD), Bhopal and R.V. Collage of Engineering, Bangalore at Bangalore.
3. **Ingavale R.R.**, Mohite S.A., Shinde T.V. and Raut P.D. Studies on Physico-chemical characteristics of river bank soil from Bhogawati River in Kolhapur District International Conference on 'Sustainable Water Resource Development and Management' (SWRDM 2012) 20th – 21st Dec. 2012, Dept. of Env. Science, Shivaji University, Kolhapur.

Papers presented at national conferences / symposia:

1. **Ingavale R. R.** and Raut P.D., Biodegradation studies of polyethylene by *Bacillus weihenstephanensis* isolated from garbage soil presented at Avishkar, Research Project Competition, at Shivaji University, Kolhapur held on 29th December 2016.
2. **Ingavale R.R.**, Thorat B. and Raut P.D., Studies on phytoremediation process of textile industry effluent by *Eichhornia crassipes* and *Pistia stratiotes*. All India Seminar on Innovative Approaches for Low Cost Treatments of Water and Wastewater, organized by The Institution of Engineers (India), Kolhapur Local Centre with Department of Technology, 21st February 2014. Shivaji University, Kolhapur.
3. **Ingavale R.R.**, Jadhav V.V. and Raut P. D. Studies on Watershed Management in Shivaji University campus, Kolhapur. National Conference on 'Wetlands and Water' organized

by Karnataka Science and Technology Academy, Bangalore and Uttara Kannada Jilla Vijnana Kendra, Karwar on 1st-2nd Feb, 2013.

Conferences / Seminars / Workshops Attended:

- Participated in the International Webinar on **Intellectual Property Rights** organized by IQAC of CSIBER and Anjuman Arts, Science, Commerce College & P G Studies in English Vijayapura (Karnataka) on 31st August, 2021.
- Participated in one week Online Faculty Development Program on **Transforming Teachers for a Sustainable Post Covid-19 World** from 16th – 20th 2021.
- Participated in Online Webinar on **Carbon Footprint Reduction and Clean Development Mechanism** conducted by **National Productivity Council (NPC), Kolkata** held on 21st – 22nd July 2021.
- Participated in Online Faculty Training Program on **Water Audit and Conservation in Industries** conducted by **Centre for Science and Environment (CSE), Delhi** from 19th July to 1st August 2021.
- Completed Internal Auditor Training in Virtual Platform on **ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018** conducted by **National Productivity Council (NPC), Kolkata** held on 19th – 20th July 2021.
- Participated in webinar on **Action Steps for Lake Conservation** organized by **National Productivity Council (NPC)** on 9th July 2021.
- Participated in **workshop ISTE STTP (Short term Training Programme) on Environmental Studies** conducted by IIT Bombay from 02nd June to 12th June **2015**.
- Participated in One Day “**AVISHKAR- Orientation Programme**” held on 15th November **2014** and 9th December **2013**, organized by Department of Chemistry, Shivaji University, Kolhapur.
- Participated in One Day **Workshop** on “**Outcome Based Modular Syllabus**” Organised by Internal Quality Assurance Cell (IQUAC) on 6th August **2014** at Shivaji University, Kolhapur.
- Participated in Two Day **National Seminar** on “**Environmental Issues and Social Exclusion**” organized by Centre for the Study of Social Exclusion and Inclusive Policy, Shivaji University, Kolhapur on 11th-12th February **2014**.
- Participated in **Workshop** on “**Moodle Course Management System**” organized by Department of Computer Science, Shivaji University, Kolhapur on 14th December **2013**.
- Participated in **Workshop** on “**Use of DNA Barcoding Techniques for Species Identification**” organized by Department of Biotechnology, Shivaji University, Kolhapur on 16th -18th August **2013**.

- Participated in **National conference on Blue Revolution: Water sanitation and Recycling** organized by Maharashtra Chamber of Commerce, Industry and Agriculture (MACCIA), Mumbai on 16th January **2013**.
- Participated in **National conference on “Emerging Technologies for Sustainable Developments** organized by Department of Technology, Shivaji University, Kolhapur on 27th -28th December **2012**.
- Participated in **Workshop on “A Brain Storming Session for Application of Technology for Sustainable Development in the State of Maharashtra**, organized by Maharashtra Academy of Sciences and Shivaji University, Kolhapur on 26th-27th November **2012**.
- Participated in **Orientation Programme on “Advances in Teaching Strategies and Evaluation”** organized by Department of Education, Shivaji University, Kolhapur on 12th & 13th October **2012**.
- Participated in Two Day **Workshop on “Research Writings, Ethics, Plagiarism and Publishability”** organized by Internal Quality Assurance Cell (IQUAC), Shivaji University, Kolhapur on 26th & 27th July **2012**.
- Participated in the **Faculty Development Programme in Geoinformatics** at Centre for Development of Advanced Computing (C-DAC), Pune under Department of Science and Technology on 4th June 2012 to 23rd June **2012**.
- Participated in **Orientation Programme on “Innovative Teaching Techniques and Professional Development of University Teachers”** organized by Department of Education, Shivaji University, Kolhapur on 13th & 14th December **2011**.
- Completed one day **Workshop on “Statistical Analysis Using Statistical Package for Social Sciences 18”** organized by Department of Environmental Science, Shivaji University, Kolhapur on 23rd December **2010**.

Member of Organization

Member of Organization:

- Member of Organizing committee of International conference on Future Global Business and Technology (Challenges Ahead) held by Chhatrapati Shahu Institute of Business Education and Research (CSIBER), Kolhapur on 8th Dec to 10th Dec 2022.
- Worked as a Co-Chairman for Technical session Paper presentation at International conference on Future Global Business and Technology (Challenges Ahead) held by Chhatrapati Shahu Institute of Business Education and Research (CSIBER), Kolhapur on 8th Dec to 10th Dec 2022.
- Worked as a Rapporteur for Technical session Paper presentation at International conference on Future Global Business and Technology (Challenges Ahead) held by Chhatrapati Shahu Institute of Business Education and Research (CSIBER), Kolhapur on

8th Dec to 10th Dec 2022.

- Member- Board of Studies- Tuljaram Chaturchand College of Arts, Science and Commerce- Baramati.
- External Examiner for Paper Setter- B. Arch and B. Tech., D. Y. Patil College of Engineering and Technology, Kolhapur
- Member of Organizing committee of International and National conferences held by Department at SUK campus.
- Member of Organizing committee of National Science Day-2012 with theme “Clean Energy Options and Nuclear Safety” at Shivaji University, Kolhapur during 22nd Feb- 28th February 2012.

Other Training and Activities:

- Completed the basic training course on “Remote Sensing, Geographical Information System and Global Positioning System” through EDUSAT based training conducted by Indian Institute of Remote Sensing (IIRS) from 04th October- 9th December 2010.
- Completed **in-plant training** in “Water Treatment and Effluent Plant” at Hindustan Antibiotics Limited, Pune from 21st April- 19th May **2010**.
- Participated in Avishkar 2010-11, Research Project Competition at University level during January 2011.
- Attended workshop on “Analytical Instrumental techniques” organized by University Science Instrumentation Centre (USIC), Shivaji University, Kolhapur during 28th January- 30th January 2010.
- Awarded with prize for participating in “Youth Training Programme” on Oil Conservation organized by Petroleum Conservation Research Association on 26th September 2009.
- Completed “Lions Quest Skills for Adolescence Workshop” conducted by Lions Quest in India Foundation from 19th January- 21st January 2008.

Actively involved in all departmental programmes and activities in the Department of Environmental Science, Shivaji University, Kolhapur during academic years.

Personal Details:

Name : Rachana Rajendra Ingavale

Permanent Address : Main Road, Bajar Peth, A/P: Saravade,

Tal: Radhanagri, Dist: Kolhapur State: Maharashtra

Pin: 416228

Date of birth : 07/10/1987
Sex : Female
Marital Status : Married
Languages Known : English, Hindi and Marathi
Hobbies : Listening to music, reading, etc
Skills : Good communication, Leadership qualities.

Declaration:

I consider myself familiar with above aspects. I am also confident of my ability to work in a team. I hereby declare that the information furnished above is true to the best of my knowledge.

Date: / /

Place:

RACHANA R. INGA VALE