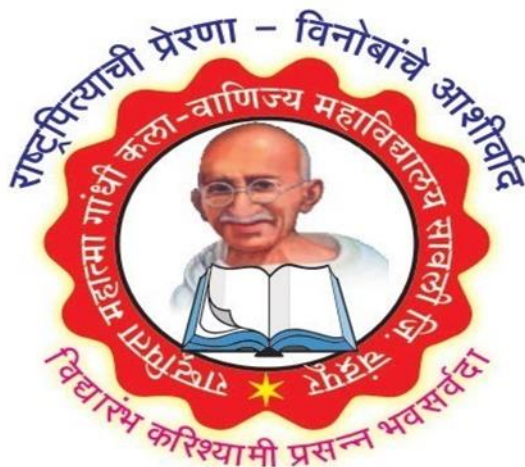


Bharat Shikshan Prasarak Mandal Saoli's

**Rashtrapita Mahatma Gandhi Arts, Commerce and
Science College Saoli,**

Institute of Higher Learning Research and Special Studies

Report.



Submitted by

Dr Rajashree Markandewar
Cordinator IHLR & SS (Chemistry)

Session: 2025-2026

Institute of Higher Learning Research and Special Studies.

Academic Year: 2025–2026

Department: Department of Chemistry

Institution: Rashtrapita Mahatma Gandhi Arts Commerce and Science College Saoli, Dist- Chandrapur.

Coordinator: Dr Rajashree Markandewar

The IHLR & SS (Chemistry) ,Department of Chemistry Rashtrapita Mahatma Gandhi Arts Commerce and Science College Saoli, Dist- Chandrapur. , affiliated to Gondwana University, Gadchiroli, functioned actively during the academic year 2025–2026 to support and monitor Ph.D. research work. A duly constituted Research Advisory Committee (RAC), comprising the Head of the Institution, Head of the Department, research supervisors, and external subject experts, conducted periodic meetings for approval of research proposals, review of progress, and guidance on experimental design and publication.

RESEARCH ADVISORY COMMITTEE

(SUPERVISOR ALOCATION COMMITTEE)

Sr No	Name	Designation
1	Dr A Chandramouly	Principal and Head, IHLR & SS
2	Dr R A Markandewar	Cordinator, IHLR & SS
3	Dr S R Deshmukh	Head, Dept of Chemistry
4	Dr R C Patil	Supervisor
5	Dr P S Jogi	External Examiner

All registered Ph.D. scholars submitted their progress reports detailing literature survey, experimental work, data analysis, and research outcomes. Progress viva voce examinations were conducted as per university norms, wherein scholars presented their work before the RAC and

received constructive suggestions regarding methodology refinement, data interpretation, and publication in peer-reviewed journals. The overall performance of the scholars was found satisfactory, with emphasis on timely completion of research work and quality publications.

Table 01 : Details of Supervisors

S. No.	Name of Supervisor	Designation	Subject	Date of Superannuation	No. of Candidates registered	No. of Vacant Seats
1	Dr. Rajashree A Markandewar 9970379816 ihlr.rmgsaoli@gmail.com	Cordinator, IHLR& SS Assistant Professor	Chemistry	31/7/2041	04	00
2	Dr. Ragini C Patil 8657622628 ihlr.rmgsaoli@gmail.com	Assistant Professor	Chemistry	30/9/2044	04	00
				Total	08	00

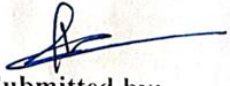
Table 02- Details of the Research Scholars.

S.No.	Name of Student	Category	Subject	Title of Research	Name of Supervisor/ Co-supervisor	Date of Registration
1	Mr Bhujangrao Abhare	OBC	Chemistry	Synthesis and Microstructural Studies of Conductive Hydrogels for Bioelectric Applications.	Dr. Rajashree Markandewar	04/ 05/ 2022
2	Mr Prafful Ramteke	SC	Chemistry	Synthesis and Microstructural Studies of Stimuli Responsive Hydrogels for Biomedical Applications	Dr. Rajashree Markandewar	07/08/2023

3	Mr Mayur Ramteke	SC	Chemistry	Synthesis and Designing of Adsorbing Hydrogels for Heavy Metal Ion Adsorption.	Dr. Rajashree Markandewar	07/08/2023
4	Miss Harsha H Kharase	OBC	Chemistry	Investigating Biomedical Applications through Synthesis and Characterization of Stimuli-Responsive Hydrogels	Dr. Rajashree Markandewar	07/08/2025
5	Mr. Anand Wasudeo Mehta	Open	Chemistry	Synthesis and Antimicrobial Activity of N and O Heterocyclic Compounds using Knoevenagel-Michael Reaction Pathways.	Dr. Ragini Patil	07/08/2023
6	Miss Nita Maroti Khiratkar	OBC	Chemistry	Green Synthesis Approach Characterization and Biological Applications of Bioactive Thiazolidine 2-4 Dione Derivatives.	Dr. Ragini Patil	07/08/2023
7	Mr. Swapnil Hemraj Dahat	SC	Chemistry	Using Artificial Intelligence Study of Water Tainting and Treatment Advancements in Gadchiroli region	Dr. Ragini Patil	07/08/2025
8	Pravin Ramesh Sahare	OBC	Chemistry	Synthesis of Sustainable One pot Solvent free routes for highly substituted Imidazole compounds and their antimicrobial anti fungal activities.	Dr. Ragini Patil	22/12/25

Despite limitations such as restricted access to advanced instrumentation and funding constraints, the research lab effectively facilitated ongoing doctoral research in various branches of chemistry. The department remains committed to strengthening research infrastructure, promoting interdisciplinary work, and enhancing the quality and impact of doctoral research.




Submitted by:
Dr Rajashree Markandewar
Department of Chemistry