

DEPARTMENT OF CHEMISTRY

ANNUAL REPORT

Academic Session- 2021-22



RAMA DEVI WOMEN'S UNIVERSITY,

BHUBANESWAR

ODISHA

1. ABOUT THE DEPARTMENT

Rama Devi Women's University, was established in 2015. But the Department of Chemistry was started since 2008, when it was a college. The annual intake for B.Sc. Chemistry is was **16** but it was increased to **32** in the year 2017. Alumni of the department are well-placed in various institutions, industries, universities and in other reputed firms. The alumni association "**CATALYST**" actively involves in the growth and development of the department. The department aims at imparting best education to the students along with their personality development by strong interaction between teachers and students. A strong committed team of teachers with utmost sincerity and reputation leads the academic activities of the department.

2. VISION

To build foundation for excellence and super development of the institution as a premier institution by igniting and nurturing enthusiasm, interests and passion in the study of Chemistry in professional courses as a part of curricular.

3. MISSION

The Department of Chemistry envisages to

- To awaken the young minds and discover the talents both in theory and practical chemistry through dedication, commitment to students and innovative instructional methods.
- To support the developmental activities of the University and make the Department vibrant.
- To sustain efficient operating systems towards realization of our objectives as institution of eminence and international standards.

4. Programme offered

Only UG course offered.

5. Publications:

Dr. Nilam Swain

- **Nilam Swain, Sujata Mishra;** Synthesis of nanosized Sm and Co oxides by liquid-liquid extraction scheme and investigation into separation chemistry employing tri-alkyl phosphine oxide as an

extractant, CHEMICAL PAPERS, 76, 945-959, 0366-6352,(2022)
Research Article.

- Suchitra Behera, Susmita Prusty, **Nilam Swain**, Sanghamitra Pradhan, Sujata Mishra, Trialkyl Phosphine Oxide as an Extracting Agent for Solvent Extraction of Nd (III) from HNO₃/NaNO₃ Solution, **Processing and Characterization of Materials**, 13, 105-113, 978-981-16-3936-4,(2021).Book Chapter
- Gouri Sankar Mohapatra, **Nilam Swain**, Badrinarayan Rout, Sanghamitra Pradhan, Sujata Mishra, Extraction of Eu (III) in Presence of Lactic Acid Using D2EHPA as Organic Phase Extractant, **Processing and Characterization of Materials**, 13, 95-103, 978-981-16-3936-4,(2021) Book Chapter

6. Projects: nil

7. Teachers achievements: NIL

8. Students achievements:

Sl no.	NAME	ACHEIVEMENTS
1.	Best graduate of the University, 2022	Karushuda Anita
2.	Best Science Graduate, 2022	Karushuda Anita

Students achievements in fields other than academics:

Sl.no	Student Name	Category	Organized by	Position
1	Suchitra Mishra	Quiz competition	Vigilance academy	First
2	K. Anita	News reading	Utkal mail at RDWU	Third
3	K. Anita	Poster making	RDWU in collaboration with Odisha Vigyan academy	First
4	Supriya Panda	Poster making	RDWU in collaboration with Odisha Vigyan academy	First

9.

10. Seminar /FDP/ workshop organised:

- A chemistry seminar meeting was held on 03/03/2022 at 2:30 pm in room no.9 with guest speaker Prof. Ajay Kumar Pattnaik, visiting professor, Ravenshaw University, Cuttack; delivering his talk on the topic: "Molecular spectroscopy."
- Extramural lecture seminar meeting was held on 11/13/2022 at 2:30 pm in room no.9 with guest speaker Dr Prasanna Kumar Satpathy, Retd. Reader in chemistry, S.C.S, autonomous college, Puri; delivered his talk on the topic: "Stereochemistry with special reference to conformational analysis."

11. Social outreach programme: Nil

12. Alumni activities conducted: Nil

13. Value added courses conducted: Nil

14. Certificate /skill courses conducted: Nil

15. Students progression: [list of students for higher education / placement yearwise]

Three students of the Department got placed in Vedanta through University placement cell after completion of UG Programme. They are

- Miss Chaitali Behera
- Miss Jignyasa Satapathy
- Miss Prangya Paramita Padhy

The following students have enrolled for higher studies:

1. Supriya Panda, [CY605A134]
2. K. Anita, [CY606A192]
3. Amisa Bhoi, [CY607A001]
4. Minarani Danga [150647007]
5. Pratikshya Mallick [PGQP25-Chemistry]
6. Prastuti Priyadarshini [XU2202129]