



RAMA DEVI WOMENS UNIVERSITY



Newsletter 2022

Department of Life Sciences

MicroLife



KEY NOTE

- ✚ Our Admirers
- ✚ Article by our Budding Briniacs
- ✚ Events & Seminars
- ✚ Field trip & Conferences
- ✚ Departmental Updates
- ✚ Achievements



FROM HOD'S DESK



Dr. Shikha Singh

Dear Reader

I am delighted to announce that the Department of Life sciences is releasing its newsletter “MicroLife”, enumerating the various events and accomplishments of our students. The department endeavours and strives to produce confident professionals tuned to real time working environment. As the head of the department, I would like to thank all the faculty members, non-teaching staffs and students for their immeasurable support and sincere efforts towards the department. I acknowledge and applaud all the members of editorial board for successfully bringing up this issue.



Let's stroll down the memory lane of 2022

Our Admirers



**Prof. Aparajita Chowdhury,
Honourable VC, RDWU**

FROM THE PEN OF VICE CHANCELLOR

It gives me immense pleasure to know that the department of Life Science is going to publish its newsletter "MicroLife". Document of all the departmental activities is an important aspect of any educational institution. It not only helps record keeping, but also visual representation of departmental activities and inspires future batches to be more involved in their academic pursuits. Besides these, the skill to collect data and arrange all information in a comprehensive manner helps in research which at Rama Devi Women's University we wish to promote. "Working together for a goal" is also what you learn from this publication of the newsletter. This team spirit will stand you in good stead all through your life. I wish all my best wishes to the newsletter.

Encouraging words from Chair Person P.G. Council

It is my pleasure to place on record that the "MicroLife", the newsletter of the Department of Life Sciences is going to be released. I take the opportunity to congratulate and express my gratitude to Dr. Shikha Singh, HOD Department of Life Science along his team for the median endeavour. I wish "MicroLife" miles to go.



**Dr. Sasmita Mohanty,
C.P.G.C., RDWU**

**ARTICLES BY OUR BUDDING
BRINIACS**



*Sea Shell Painting by
Devi Sugandha (LS)*



*Sea Shell Painting by
Devi Sugandha (LS)*

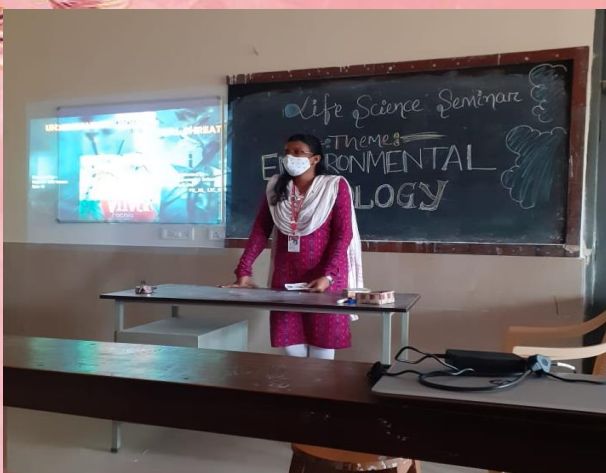


*Leaf Skeleton Art by
Rajeswari Sahoo (LS)*



Painting by Lopamudra (LS)

Events & Seminars



*Seminar presented by
Alisha Mohanty (LS)*



*Seminar presented by
Tejaswini Dakua (LS)*



Farewell 2022



*Seminar presented by
IMB Jayashree Behera*

Field Trip and Conference Attended



Startup Career Fair at ILS -DBT Incubator



Lab Visit at ILS



Students Attending World Malaria Day at ICMR-RMRC



Departmental Updates



Inauguration of MSI Unit



Talk by invited Professors



Talk by Prof. C. C. Rath

Achievements



Biswasini & Shivangi 2nd Prize Oral competition in Regional Museum of Natural History



Biswasini Priyadarshini awarded for best English debate by A. C. Panda (Minister of Science & Technology)



Treasure Hunt Winner at Basant Utsav 2022

1. SK Jena, C. C. Rath & D. Parida. 2022. Isolation of IAA producing Enterobacter sp. from soil of Similipal Biosphere Resrve and its exploit tp sustainable agriculture. International Journal of Botany and Research, 12(1): 59-70.
2. Tripathy, S., Singh, S. and Das, S.K. 2022. Cryopreservation of mesenchymal stem cells (MSCs) derived from bone marrow with carbohydrate additive sucrose and dimethyl sulfoxide (DMSO). In contemporary Medical Biotechnology Research for Human Health (PP. 177-186). Academic Press.
3. S. Ghosh & A. P. Das. 2022. Role of Microorganisms in Extenuation of Mining and Industrial Wastes. Geomicrobiology.
4. B. Tripathy, A.Dash, and A. P. Das. 2022. Detection of Environmental Microfiber Pollutants through Vibrational Spectroscopic Techniques: Recent Advances of Environmental Monitoring and Future Prospects. Critical Reviews in Analytical Chemistry.
5. Kumar, S., Devi, R. S., Choudhury, R., Mahapatra, M., Biswal, S. K., Kaur, N., Tudu, J. & Rath, S. K. (2022). Orchid Diversity, Conservation, and Sustainability in Northeastern India. In Earth Systems Protection and Sustainability: Volume 1 (pp. 111-139). Cham: Springer International Publishing.
6. D. Mohapatra, S. K. Rath & P. K. Mohapatra. (2021). Soil Fungi for Bioremediation of Pesticide Toxicants: A Perspective. Geomicrobiology Journal. Vol 39 (3-5), 352-372. Taylor and Francis. ISSN- 1521-0529.
7. Shahani Begum, Sakti Kanta Rath & Chandi Charan Rath. (2021). Applications of Microbial Communities for the Remediation of Industrial and Mining Toxic Metal Waste: A Review. Geomicrobiology Journal. Vol 39 (3-5), 282-293. Taylor and Francis. ISSN- 1521-0529.