



MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES, FARIDABAD

Sector 43, Aravalli Hills, Manav Rachna Campus Rd, Faridabad, Haryana 121004

DR. RASHMI RAMESHWARI

Designation: Associate Professor

Qualifications: B.Sc. (Zoology Hons, SK University Dumka, Jharkhand), M.Sc. Biotechnology (Tilka Manjhi Bhagalpur University, Bihar), M.Tech Bioinformatics (Jamia Hamdard, N.Delhi), Ph.D., Bioinformatics (MRIIRS, Faridabad).

Email ID: rashmi.fet@mriu.edu.in

Experience: 17 Years



[Google Scholar Profile:](https://scholar.google.com/citations?user=4eynB3cAAAAJ&hl=en)

<https://scholar.google.com/citations?user=4eynB3cAAAAJ&hl=en>

Research Interests: Protein Interactions studies for fundamental understanding and biotechnological applications.

+ Journal Publication Details:

Kumari, P. and Rameshwari, R., 2022. In silico mutational analysis to identify the role and pathogenicity of BCL-w missense variants. *Journal of Genetic Engineering and Biotechnology*, 20(1), pp.1-11.

Kaushik, S., Rameshwari, R. and Chapadgaonkar, S.S., 2022. Choline oxidase: An enzyme of immense industrial potential. *Asia Pacific Journal of Molecular Biology and Biotechnology*, pp.37-50.

Rameshwari, R, Verma, D. K, Aggarwal, Meenu, 2022.COVID-19 pandemic in India: First wave v/s Second Wave, pp. (S228-S235). DOI No.: <http://doi.org/10.53550/EEC.2022.v28i03s.034>

Verma, D. K., Malik, R., Meena, J., & Rameshwari, R. (2021). Synthesis, characterization and **applications** of chitosan based metallic nanoparticles: A review. *Journal of Applied and Natural Science*, 13(2), 544 - 551. <https://doi.org/10.31018/jans.v13i2.2635>

Simran Jeet Kaur, Shivam Bhardwaj, Rashmi Rameshwari, Current Status of Rice Crop omics: Applications to Challenges.(2021).Int J Pharm Sci.12(2), b22-32 <http://dx.doi.org/10.22376/ijpbs.2021.12.2.b22-32>

Grover, H., Vohra, T., Adhikarla, S., and Rameshwari, R., 2020. "Carboxymethyl Guar Gum/Ag Nanocomposite: A promising Antimicrobial agent" *Biosc.Biotech.Res.Comm.* Vol 13 No (4) Oct-Dec 2020 (**WoS Indexed**).

Vohra, T., Grover, H., Saxena, S., Verma, D.K. and Rameshwari, R., 2020. A Review on Nanoparticles Based Biosensors for Pesticide Detection in Water.

Baruah A., Singla, K., Chapadgaonkar, S.S and Rameshwari, R., 2020. In – Silico Visualization of Gene-Gene Interactions in Autism Spectrum Disorder Genes. *Biosciences Biotechnology Research Asia*, S, 17(3), pp.485-498 (**WoS Indexed**)

Rameshwari, R., Chapadgaonkar, S.S. and Prasad, T.V., 2019. A Robust Algorithm for Visualization of Protein Interaction Network. *Iranian Journal of Science and Technology, Transactions A: Science*, 43(4), pp.1411-1416 (**Scopus Indexed**)

Verma, S., Dhingra, T. and Rameshwari, R., In Silico Methods for Eradication of Papaya Leaf Curl Disease from Carica Papaya. *International Journal of Recent Technology and Engineering (IJRTE)*,

ISSN: 2277-3878, Volume-7 Issue-4,28-33, November 2018 (**Scopus Indexed**)

Bhaumik . A., Rameshwari, R., “Lead detection from Blood Sample using Biosensor”, 2018 Journal of Advanced Research in Medical Science & Technology, Volume 5, Issue 3&4 - 2018, Pg. No. 19-21.

Rameshwari, R., Chapadgaonkar, S.S. and Prasad, T.V., 2018, “Computational prediction of protein interactions in bcl-2 protein and their role in apoptosis”, World Journal of Pharmaceutical Research., 7(10), pp 583-592. (EBISCO)

Rameshwari, R., Chapadgaonkar, S.S. and Prasad, T.V., 2016, “Visualization of apoptotic network using Bioinformatics tool”, Asian Jr. of Microbiology Biotechnology Env. Sc., 18, (3), pp 294-310. (**Scopus Indexed**)

Rameshwari, R., Madhu, S., Prasad, V. and Chapadgaonkar, S., 2015. “Computational Analysis of tuberization protein linoleate 9S-lipoxygenase 3 from Solanum tuberosum”. *International Journal of Chemtech Research*, 8(10), pp.294-310. (**Scopus Indexed**)

Rameshwari, R., Madhu, S., Prasad, V. and Chapadgaonkar, S., 2015. “Computational Analysis of tuberization protein linoleate 9S-lipoxygenase 3 from Solanum tuberosum”. *International Journal of Chemtech Research*, 8(10), pp.294-310. (**Scopus Indexed**)

Rameshwari, R., Singhal, D., Narang, R., Maheshwari, A. and Prasad, T., 2013. In silico prediction of miRNA in Curcuma Longa and their role in human metabolomics. *Int J Adv Biotec Res*, 4, pp.253-259.

Rameshwari, R. and Prasad, T.V., 2012. Systematic and Integrative Analysis of Proteomic Data using Bioinformatics Tools. *arXiv preprint arXiv:1211.2743*. (**Scopus Indexed**)

Das, B., Kumari, P., Jindal, R. and Rameshwari, R., 2011, July. The Development of Artificial Immune System in Topographic Facet. In *2011 International Conference on Process Automation, Control and Computing* (pp. 1-5). IEEE. (**Scopus Indexed**).

+ Professional Affiliation:

- Member of International Society of Computational Biology (ISCB).
- Life Member of Society of Biological Chemists, India.

Administrative Responsibilities:

- Member of Board of Studies
- Member of Departmental Research Committee
- NAAC Coordinator
- Research & Innovation Catalyst Coordinator for B.Tech 2019-23 Batch
- Member of Library Advisory committee and Departmental Library incharge.
- Mentor of B.Tech Biotechnology 2019-23 Batch.
- UG Coordinator of Department of Biotechnology

- Website Coordinator of Biotech. Department
- Admission Coordinator of Biotech. Department

Research Supervised (PhD):

Status: Ongoing

Supervising 4 students in the area of Bioinformatics.

Expert Talk Delivered:

Delivered talk during National webinar at Department of Chemistry, Aggarwal College Ballabgarh Titled "Role of Science and Technology in making Atmanirbhar Bharat" to Commemorate Azadika Amrit Mahotsav on 29th December 2021.