



St. Edmund's College

NAAC Accredited A

Affiliated to North Eastern Hill University

Recognized by the University Grant Commission under 2 (f) and 12 (B) of the UGC Act 1956

Awarded STAR STATUS COLLEGE (DBT, Govt. of India)

Staff Profile

1. NAME: **Dr. Riva Mary Rani**
2. CONTACT DETAILS (EMAIL): **rivarani27@gmail.com**
3. DEPARTMENT: **Zoology**
4. QUALIFICATION: **PhD, M.Sc NET-JRF**
5. CURRENT POSITION: **Assistant Junior Professor**
6. SPECIALIZATION: **Biological Chemistry**
7. TEACHING EXPERIENCE: **9 months**
8. RESEARCH EXPERIENCE: **7 years**
9. UGC VIDWAN ID NO: **710945**
10. GOOGLE SCHOLAR ID: **hvl6djMAAAAJ**
11. WOS ID: **QJW-8453-2026**
12. ORCID ID: **0009-0004-5958-7413**



13. HONOURS/AWARDS/SCHOLARSHIPS:

1. **Awarded Rector's Gold medal for MSc. Zoology 2018**
2. **Awarded the 'Professor M.K. KHARE MEMORIAL PRIZE' for the year 2018**
3. **Qualified Joint CSIR-UGC NET-JRF 2019, with rank 151**

14. PUBLICATIONS (YEAR WISE)

YEAR	Journal (Details)
2023	Riva Mary Rani , Superior Syngkli, Joplin Nongkhlaw, Bidyadhar Das, Expression and characterisation of human glycerol kinase: the role of solubilising agents and molecular chaperones, Bioscience reports, Volume 43, 2023, 4, ISSN BSR20222258, https://doi.org/10.1042/BSR20222258
2024	Superior Syngkli, Sumit Kumar Singh, Riva Mary Rani , Bidyadhar Das, Genistein and metformin regulate glycerol kinase and the enzymes of glycerol 3-phosphate shuttle in a differential manner in human myocytes, hepatocytes and adipocytes, International journal of biological macromolecules, Volume 270, 2024, Pt 1, ISSN 132296, https://doi.org/10.1016/j.ijbiomac.2024.132296
2025	Riva Mary Rani , Basukshisha Wanniang, Bidyadhar Das, Tissue-specific kinetics of glycerol kinase and its expression pattern in mouse: a comparative analysis, Gene Reports, Volume 40, 2025, 102237, https://doi.org/10.1016/j.genrep.2025.102237



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YEAR

2023

Book Chapter (Details)

Das B., Khongsti K., Syngkli S., **Rani RM.** Role of SIRT1 in the Regulation of Gene Expressions in Breast Cancer. Handbook of Proteases in Cancer: Cellular and Molecular Aspects. CRC Press, 2024, 368-381, <https://doi.org/10.1201/9781003394716-30>

15. ORAL/POSTER Presentation (YEAR WISE)

Sl	Name of the Conference	Name of the Paper Presented	National/International	Mode of Presentation	Organized by	Dates
1	44 th Indian Biophysical Society meeting entitled "Conceptual Advances in Biophysics and its Applications"	Cloning, overexpression and characterization of human glycerol kinase	International	Poster	Indian Biophysical Society held at Advanced Centre for Treatment, Research and Education in Cancer, Navi Mumbai, India	30 th March to 1 st April, 2022.
2	5 th International Conference on Contemporary Antimicrobial Research (ICCAR)	Co-expression of recombinant human glycerol kinase with molecular chaperones and the inhibitory effect of genistein	International	Oral	Research & Development Cell, North-Eastern Hill University, Meghalaya, in association with Society for Antimicrobial research (SAR) & Assam University, Silchar	7 th to 10 th December 2024