

CURRICULUM VITAE

Dr. Riya Sarkar

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Educational Qualification:

BOARD/ UNIVERSITY	EXAMINATIONS	YEAR OF PASSING	MARKS	MARKS (IN %)	DIVISION/ CLASS
W.B.B.S.E.	Secondary	2007	549	68.6	I
W.B.C.H.S.E.	Higher Secondary	2009	342	68.4	I
Vidyasagar University	B.Sc. (H) in Botany	2012	402	50.25	II
Vidyasagar University	M.Sc. in Biomedical Laboratory Science & Management (MLT)	2015	1318	82.38	1 st class 1 st (Gold Medalist)
Vidyasagar University	Doctor of Philosophy (Ph.D)	2022	-	-	-

Ph.D Details:

Thesis Title: Male infertility management by the phytomolecule(s) present in rhizomes of *Curcuma amada Roxb.* (Zingiberaceae) in streptozotocin (STZ) induced diabetic male albino rat: An approach through genomic and proteomic study

Guide: Prof. (Dr.) Debidas Ghosh

Funding: DST Inspire Fellowship, Govt. of India

Awarded: 14th September 2022

- **Specialization:** Molecular biology, Molecular medicine, Hematology, Pathology, Instrumentation, Nutrigenomics, Male reproduction.
- **Research Area:** Diabetes mellitus, Diabetes mellitus induced male infertility, Molecular Drug development against diabetes mellitus and diabetes mellitus induced male infertility, Nutrigenomics.

Professional Experience:

I. Assistant Professor (Regular) in the department of B.Sc. in Medical Laboratory

Technology, Dr. B. C. Roy Academy of Professional Courses, Durgapur, West Bengal

Service period: 01/08/2023- till now

II. Assistant Professor (Regular) in the department of B.Sc. in Medical Laboratory Technology (Vidyasagar University), Paramedical College Durgapur, Durgapur, West Bengal

Service period: 21/11/2022- 21/10/2023

III. Assistant Professor (Regular) in the department of Allied Health Sciences (B.Sc. in Medical Laboratory Technology), Brainware University, Barasat, West Bengal

Service Period: 22/03/2022 to 21/09/2022

Subject taught: (i) Medical laboratory technology and (ii) Biotechnology

Other experience:

1. Appointed as **external examiner** (practical examination) for the UG in BMLT examination (2022) at the Haldia Institute of Health Sciences, Haldia, West Bengal
 2. Appointed as **external examiner** (practical examination) for the UG in BMLT examination (2023) at the Raja N. L. Khan Women's College (autonomous), Midnapore, West Bengal
 3. Appointed as **external paper setter** (practical examination) for the UG in BMLT examination (2023) at the Raja N. L. Khan Women's College (autonomous), Midnapore, West Bengal
 4. Appointed as **external moderator** for even semester examination (theoretical examination) (2022-2023) for BMLT examination at the Brainware University, Barasat, West Bengal
 5. Appointed as **examiner** (theoretical examination) for BMLT examination (2022) at Vidyasagar University, Midnapore, West Bengal
 6. Appointed as a **scrutineer** (theoretical examination) for BMLT examination (2022) at Vidyasagar University, Midnapore, West Bengal
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Seminars Attended:

- I. International Seminar on "International Biomedical Laboratory Science Day", Organized by "All India Institute Of Medical Technologists Society Of Biomedical Laboratory Science", College of Nursing, CMC & H, Kolkata.
- II. UGC Sponsored National Seminar on "Occupational Safety & Health of Indian Women at Workplace", Organized by "Women's Studies Centre", Vidyasagar University, Midnapore, West Bengal, India.
- III. UGC Sponsored National Seminar on "Trafficking of women and girls: a serious human rights violation", Organized by "Women's Studies Centre", Vidyasagar University, Midnapore, West Bengal, India.
- IV. Two day National Seminar on "Role of University in Societal Development", jointly organized by "Vidyasagar University Alumni Association (VUAA) & National Service Scheme (NSS)", Vidyasagar University, Midnapore, West Bengal, India.
- V. 3rd Regional Science & Technology Congress, 2018 Seminar on "Remedial

effect of ethyl acetate fraction of hydro-methanolic extract of rhizomes of *Curcuma amada* on testicular impairment in streptozotocin induced diabetic rat: A dose dependent study through genomic and flow cytometric analysis”, Jointly organized by Sidho-Kanho- Birsha University, Purulia, Department of Science & Technology and Biotechnology, Government of West Bengal, India.

- VI. Pre-treatment cum co- treatment effect of *Curcuma amada* rhizomes on streptozotocin induced diabetes linked male gonadal dysfunctions in albino rat. Department of Pharmaceutical Technology in Collaboration with Association of Pharmaceutical teachers of India West Bengal state branch, Brainware University, West Bengal. 25 th & 26 th August, 2023

Publications:

- I. **Sarkar, R.**, Mitra, D., Ghosh P., Ghosh D. (2022). Antiapoptotic and antioxidative efficacy of rhizomes of *Curcuma amada* on the management of diabetes induced male infertility in albino rat: An effective fraction selection study. Journal of Food Biochemistry. doi.org/10.1111/jfbc.14290.
- II. **Sarkar R.**, Ghosh P., Tripathy A., Ghosh D. (2019). Correction of diabetes induced testicular dysfunction by hydro-methanol (60:40) extract of *Curcuma amada* rhizomes: A dose dependent study. Journal of Food Biochemistry. 43, doi.org/10.1111/jfbc.12829.
- III. Mitra D., **Sarkar R.**, Ghosh D. (2019). Antidiabetic and antioxidative properties of the hydro- methanolic extract (60:40) of rhizomes of *Curcuma amada* roxb. (Zingiberaceae) in streptozotocin-induced diabetic male albino rat: a dose-dependent study through biochemical and genomic approaches. Journal of Complementary and Integrative Medicine. doi:10.1515/jcim-2017-0182.
- IV. Rai V., Bose S., Mukherjee G, **Sarkar R**, Bhattacharjee D. (2023). Unraveling aberrant microenvironment in oral submucous fibrosis. Journal of Population Therapeutics & Clinical Pharmacology. 30, 17. doi: 10.53555/jtcp.v30i17.2634

Training Programmes:

- Participated in 1 month training programme at Midnapore Scan Centre Pvt. Ltd.
- Participated in 7 days training programme at Midnapore Medical College.
- Ten-day online Faculty Development Program on “Teaching Learning Process and Assessment” organized by the Department of Computer Sciences and Engineering; CSE, BWU, from 12.07.2022 to 22.07.2022
- One week national level faculty development program on cloud infrastructure (AWS). Dept. of CSE, Jntuk University College of Engineering Narasaraopet, Andhra Pradesh collaboration with Brainovision Solutions India pvt. ltd. and all India council for technical education (AICTE). one week (21 st to 25 th august, 2023)

Computer skill:

1 year diploma course in “Information Technology Application” from Midnapore YouthComputerTraining Centre.

Personal Information:

Date of Birth: 22.10.1991

Nationality: Indian

Religion: Hindu

Marital Status: Married

Sex: Female

Language known:

Bengali, Hindi, English

Present Address:

Dr. Riya Sarkar

C/O–Anindya Bhattacharjee

Bidhan Park, E–27, Sector-01

P.O.–Durgapur

District-West Bardhaman, West Bengal, Pin – 713206

I declare that all information provided in curriculum vitae is correct and valid to the best of my knowledge.

Date:

Dr. Riya Sarkar

Place: