

## Curriculum Vitae



**Name:** Dr. Riddhi Majumder

**Designation:** Assistant Professor (senior), Department of Microbiology, St Xavier's College, Kolkata.

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### **ACADEMIC BACKGROUND**

<b>Examination/ Degree</b>	<b>Year of Completion</b>	<b>Board/ University</b>	<b>Percentage/Rank</b>
Standard 10 (Madhyamik) South Point High School	1996	West Bengal Board of Secondary Education	81.3% (National Scholar)
Standard 12 (Higher Secondary) South Point High School	1998	West Bengal Council for Higher Secondary Education	77.9% (National Scholar)
Bachelor of Science (B.Sc Hons in Botany) Presidency College, Kolkata	2001	University of Calcutta	73.125% (First Rank)
Master of Science (M.Sc) in Biophysics, Molecular Biology and Genetics	2003	University of Calcutta	74% (Second Rank)
Doctorate of Philosophy (PhD) in Biological Sciences	2009	Tata Institute of Fundamental Research (Deemed University)	Degree awarded on Nov, 2009
Post-doctoral Fellow	2009-2010	National Centre for Biological Sciences	NA
Research Associate	2010-2011	West Bengal State University (DBT-RA)	
Visiting Fellow	2010	UT Southwestern Medical Center, Dallas, USA	

**CSIR-NET: Qualified for CSIR-JRF in exam held in June 2003 and was amongst the top 20 percentile.**

**Thesis Title:**

**Mechanism of endocytosis: genetic and molecular studies. (TIFR deemed University)** Thesis Supervisor: Late Professor K.S. Krishnan, NCBS-TIFR. Coguide: Prof Satyajit Mayor (Director, NCBS-TIFR).

**Publications:**

1. Adrika Raybarman#, Kazi Atikur Rahman\*, Russel Miranda Vincent\*, Sayantani Chatterjee\*, Upasana Sen\*, Arup Kumar Mitra\*, SudeshnaShyam. Choudhury\*, **Riddhi Majumder** (2014) Isolation and characterization of lignin-degrading fungus from coir *IOSR Journ of Env Sc, Toxicology and Food tech* 8(10) :7-11
2. **R. Majumder**, Roy. S, Thakur.AR (2012) Analysis of Delta-Notch interaction by Molecular Modeling and Molecular Dynamic simulation studies *J Biomol Struct Dyn*. 30(1):13-29.
3. A.K. Mitra, **R. Majumder**, A. Adhikari, K. Banerji, N. Sen, P. Barman and R. Datta (2012) Possible Threat to Sandbinders from Dual Action of Airborne Pathogen and Pollutant *Plant Sc Feed* 2(8):112-115
4. **R. Majumder** and K.S. Krishnan (2010) Synaptic vesicle recycling: genetic and cell biological studies, *Journal of Neurogenetics* 24(3):146-57.

**Experience in Corporate Social responsibility programs:**

I was involved as coordinator of HSBC-CSR programs as part of Ennovate Global, New Delhi team from July 2014 to Oct 2016. We conducted CSR on themes like water fortnight in 2014, Public health in 2015 and help for those who need it in 2016. A host of indoor and outdoor programs were conducted. The employees of HSBC along with the customers participated in the program.

**Social work**

I am involved as program secretary in Sabujasathi Sabpeyechir Asar, in Kolkata. Sabpeyechir Asar is a registered society to impart value education and physical training

to the children from age group of 5 yrs to 16yrs. Our endeavor is supported by Youth Affairs, Govt of West Bengal. I am also the Executive committee member.

**Refreshers, Orientation courses and FDP attended:**

1. Sciences Academies' Refresher's course in Experimental Biology Dec 2012, organized by Dept of Biological Sciences, IISER-Kolkata and sponsored by Indian Academy of Sciences.
2. 45<sup>th</sup> Orientation Programme conducted by UGC-Academic Staff College, Jadavpur University (June-July, 2013)
3. Refresher's Course in Life Sciences at UGC-ASC, CU March 27-April 20<sup>th</sup>, 2015
4. Interdisciplinary Refresher Course at UGC-ASC, CU (University of Calcutta) Nov, 2019.
5. Science Academies Refresher Course on "Recent Scenario in Microbiology and Biotechnology" (9-22<sup>nd</sup> December 2021).
6. MMTTC NEP orientation program October 2024.
7. FDP on AI in Modern Education- November 2024.
8. Hands-on training on "Hydra as model system in teaching and research" May 2025 organized by NCBS-TIFR Bengaluru.
9. Hands on training on Applications of electron Microscopy Burdwan University June 2019.
10. Science Academy Interdisciplinary refresher course in Life sciences- Jan-Feb 2022.

**Teaching experience (outside St. Xavier's College, Kolkata):**

1. Empanelled teacher under the National Teacher Coordination Program of Indian Academy of Science (IAS, DST, Bengaluru).
2. Developmental Biology course at Int. PhD program of IIT-KGP and IACS, as well as BS-MS course of IACS, Kolkata, as well as mentoring the PhD students. (July 2018 onwards)
3. Guest lecturer at Department of Microbiology (post-graduate studies), West Bengal State University, Barasat, INDIA from January to June 2010.
4. Guest faculty at Kalyani University, Dept of Biotechnology and Molecular biology March 2014 onwards teaching Developmental Biology, Genetics and Proteomics.
5. Teaching assistant in research methodology, microscopy and genetics course in DBS-TIFR, 2004-07.

6. Paper setter, evaluator and judge of biology section of Senior Talent Search Test –2011 onwards of JBNSTS, Kolkata. Evaluator and resource person of DST-INSPIRE program, Govt of India, for undergraduate students.

**Resource person/ Invited lectures:**

1. National Level Teachers Training Program, DST, Govt of India (January 2017 onwards) as well as for State Level Teachers Training Program (DHESTB, Govt of West Bengal). Completed 38 lecture series from June 2017 to June 2025 across different schools in West Bengal and Assam.
2. Resource person in DST student training program organized by JBNSTS. 12 programs from June 2014 to June 2019.
3. Invited lecture at Department of Botany Sarojini Naidu College for women, Dumdum, Kolkata December 2019.
4. Resource person of UGC-sponsored video-lecture series for undergraduate Microbiology produced by UGC-EMMRC, Kolkata. (2014-2016).
5. Department of Life Sciences and Biotechnology, Jadavpur University, March 2011 and April 2012.
6. DBS-Tata Institute of Fundamental Research, Mumbai August 2011.
7. Department of Biophysics, Molecular Biology, University of Calcutta in March 2009.
8. Department of Neurobiology, UTSW Medical Center, USA in November 2010.
9. Department of Microbiology, West Bengal State University, March 2009.

**Awards and fellowships:**

1. **Kanwal Rekhi Career Development** award and intramural grant for graduate studies at TIFR, Mumbai, INDIA (2003-2005).
2. **Wood-Whelan Research Fellowship** from Wood-Whelan Trust of International Union of Biochemistry and Molecular Biology for attending a collaborative research project at UT Southwestern Medical Center, Dallas, USA (2007).
3. **Foreign Travel Grant** (partial support) from CSIR for attending Neurobiology of Drosophila conference at CSHL, NY, USA (2007)

4. Recipient of fellowship grant from **Sarojini Damodaran International Travel Fellowship Programme** for visit to a foreign laboratory and attending a conference (2007).
  5. Partial financial aid award from conference organizers at **Cold Spring Harbor Laboratories** (Conference supported by National Institute of Neurological Diseases and Stroke, USA) (2007).
  6. **Lump Grant award** by Presidency College Scholarships and Award Trust for pursuing Bachelors degree (1998-2001).
  7. **Awarded the J. Sen Memorial Medal by the Botanical Society of India** for securing the highest score in Bachelors degree (Botany major).
  8. **Gold Medalist and recipient of Best Student Award (in Botany)** for securing highest marks in Major Subject in Calcutta University, awarded by the Presidency College Alumni Association.
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