Curriculum Vitae

Personal Information: Gautam Chatterjee

IRDM Faculty Centre, RKMVERI, Narendrapur, Kolkata - 700 103

+91 7980536428

gautamchatterjee84@gmail.com

ORCID: https://orcid.org/0000-0002-9003-302X

Sex: Male| **Date of Birth:** 03/05/1984| **Nationality:** Indian|

Academic Qualification:

Degree	Name of the Institute	Grade	Year
B. Sc. (Ag.) Hons.	Bidhan Chandra Krishi Viswavidyalaya (BCKV)	GPA 8.08/10	2006
M. Sc. (Ag.)	Bidhan Chandra Krishi Viswavidyalaya (BCKV)	GPA 9.15/10	2008
Ph. D.	Jawaharlal Nehru Centre for Advanced Scientific Research	GPA 6.00/8	Thesis submitted (2014) Thesis awarded (2015)

Research Experience:

M. Sc. thesis work (Advisor: Prof. Shyamal Kumar Ghose) **2008**

Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India

Thesis entitled **'*In-vitro* Cultivation and Molecular Characterization of Cell Lines for Better Secondary Metabolites in *Gloriosa superba* L.'**

Ph. D. thesis work (Advisor: Prof. Kaustuv Sanyal) **2015**

Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India

Thesis entitled **'Identification and Characterization of the Centromere in Human Pathogenic Yeast, *Candida tropicalis*.'**

Awards and Fellowship:

•Received University Merit Fellowship, Bidhan Chandra Krishi Viswavidyalaya (BCKV), during B. Sc., 2002-2006.

•Received University Merit Fellowship, Bidhan Chandra Krishi Viswavidyalaya (BCKV), during M. Sc., 2006-2008.

•Recipient of University Gold Medal in Genetics during M. Sc., in 2008.

•Qualified Graduate Aptitude Test in Engineering (GATE) with all India rank - 10 and percentile - 99.93 in Life Sciences in 2008.

•Qualified for Junior Research Fellowship (CSIR-JRF) and National Eligibility Test for Lecturership (NET) conducted by Council for Scientific and Industrial Research (CSIR), Govt. of India, in Life Sciences in 2008.

•Acted as an External Examiner of M. Sc. (Ag.) thesis of Bidhan Chandra Krishi Viswavidyalaya (BCKV) in 2016.

•Acted as an External Examiner for setting question papers and evaluation of answer scripts for B. Sc. (Ag.) Hons. End Term Examination, Bidhan Chandra Krishi Viswavidyalaya (BCKV) in 2016.

•Recipient of Early Career Research Award (ECRA) from Science and Engineering Research Board (SERB), Department of Science and Technology (DST), Govt. of India, in Life Sciences in 2017.

•Acted as a Resource person to deliver a lecture on Biochemical and Molecular Characterization of Plant-beneficial Bacteria in ICAR sponsored Summer School on 24 July, 2017 at ICAR-IIFSR, Modipuram.

•Acted as an External Examiner for setting question papers for B. Sc. (Ag.) Hons. End Term Examination, Bidhan Chandra Krishi Viswavidyalaya (BCKV) in 2019.

Employment Details:

Assistant Professor **29/10/2015 to present**

Ramakrishna Mission Vivekananda Educational and Research Institute, Kolkata, India

Teaching Experience:

Courses taught/teaching for M. Sc. program at the Department of Agricultural Biotechnology, Ramakrishna Mission Vivekananda Educational & Research Institute during 2015-2018:

1. ABT-102: Genetics. In this module, I am teaching classical genetics starting from Mendel to Oliver. This module includes Mendelian theory of inheritance, Classical view of a gene, Chromosome structure and its function, Dominance and epistasis, Sex determination and linkage, Mutation, Qualitative versus quantitative genetics, Population genetics etc.

2. ABT-207: Cell Biology. This module includes Cell theory, Cell structure of both prokaryotes and eukaryotes, Cell organelles, Cell cycle, Cell membrane and transport etc.

3. ABT-307: Molecular Tools and Techniques. This module is completely based on practical classes, in which isolation of DNA & protein, Agarose & SDS-PAGE gel electrophoresis, PCR, Cloning techniques have been taught.

4. ABT-105: Molecular Biology. In this course, I am teaching a part of this module, which includes Central dogma of molecular biology, Genetic code, Translation and DNA repair.

5. ABT-302: Bioinformatics. The simple bioinformatic applications, several databases and its function have been taught and discussed.

Details of Sponsored Research & Development Projects:

1. All India Network Project on Organic Farming. (Ref. No. F. No. 1-42/NPOF/201). ICAR-IIFSR, Govt. of India. (₹ 7- 8 lakhs per annum)

2. Structure-function analysis of the centromeres and its associated centromeric protein CENP-A of the human pathogenic *Candida parapsilosis sensu lato* species complex. (ECR/2016/001138/LS). SERB-DST, Govt. of India. 2017-2020. (₹ 40.49 lakhs).

Research Guidance:

Degree	Guidance	Completed	In progress
M. Sc. in Agricultural Biotechnology	Single	2	2
	Joint	4	0
Ph. D.	Single	0	2

Publications:

Books:

1. Gautam Chatterjee. Identification and characterization of the centromere in human pathogenic yeast *Candida tropicalis*. (2014). Ph.D. Thesis, JNCASR.

2. Sreyoshi Mitra, Laxmi Shanker Rai, Gautam Chatterjee, and Kaustuv Sanyal. Chromatin immunoprecipitation (ChIP) assay in *Candida albicans*. in *Candida* species: methods and protocols eds. By Richard Calderone and Ronald Cihlar. (2016). Methods in Molecular Biology (Springer). 1356: 43-57. [Citations: 3; IF: 0.790]

Articles:

1. Lukasz Kozubowski, Vikas Yadav, Gautam Chatterjee, Shreyas Sridhar, Masashi Yamaguchi, Susumu Kawamoto, Indrani Bose, Joseph Heitman, and Kaustuv Sanyal. Ordered kinetochore assembly in the human-pathogenic basidiomycetous yeast *Cryptococcus neoformans*. (2013). mBio. 4(5): e00614-13. [Citations: 24; IF: 6.875]

2. Guilhem Janbon, Kate L. Ormerod, Damien Paulet, Edmond J. Byrnes III, Vikas Yadav, Gautam Chatterjee, (+41 authors), Kaustuv Sanyal, Joseph Heitman, James A. Fraser, Christina A. Cuoma, and Fred S. Dietrich. The genome sequence of *Cryptococcus neoformans* var. *grubii* reveals complex mechanisms of RNA expression and virulence plasticity. (2014). PLoS Genetics. 10(4): e1004261. [Citations: 183; IF: 6.661]

3. Gautam Chatterjee, Sundar Ram Sankaranarayanan, Krishnedu Guin, Yogitha Thattikota, Sreedevi Padmanabhan, Rahul Siddharthan, and Kaustuv Sanyal. Repeat-associated fission yeast-like regional centromere in the ascomycetous budding yeast *Candida tropicalis*. (2016). PLoS Genetics. 12(2): e1005839. [Citations: 21; IF: 6.100]

4. Syandan Sinha Ray, Md. Nasim Ali, Shibasis Mukherjee, Gautam Chatterjee, and Maitreyi Banerjee. Elimination and molecular identification of endophytic bacterial contaminants during *in vitro* propagation of *Bambusa balcooa*. (2017). World Journal of Microbiology and Biotechnology. 33(31): 1-9. [Citations: 3; IF: 2.030]

Conferences/ Symposium attended:

1. Attended and presented a poster at the 79th Annual Meeting of Society of Biological Chemists, Indian Institute of Science, Bangalore, India, 13-15 December, 2010.

2. Attended the Indo-German Conference on Pathogenic Fungi in Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India, 1-3 August, 2011.

3. Got best Poster award in the Annual Faculty Meeting organized by Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India, 14-15 November, 2011.

4. Attended and presented a poster at the Chromosome Stability Conference at Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, India, 14-17 December, 2014.

5. Attended and delivered an invited talk at the XI Annual Group Meeting of Network Project on Organic Farming (NPOF) at ICAR-IISS, Bhopal, India, 17-19 August, 2016.

6. Attended RUSA funded International Level Seminar at Ramakrishna Mission Vidyamandira, Belur Math, India, 14 January, 2017.

7. Attended a Training Program on Stability/combined analysis methodology for NPOF experimental data at ICAR-IIFSR, Modipuram, India, 25-26 July, 2017.

8. Attended and delivered an invited talk at the XII Annual Group Meeting of Network Project on Organic Farming (NPOF) at ICAR-IIFSR, Modipuram, India, 18-19 December, 2017.

9. Delivered an invited talk in the 10th Conference on Yeast Biology at Jawaharlal Nehru University, New Delhi, India, 8-11 February, 2018.

10. Attended and delivered an invited talk at the XIII Annual Group Meeting of All India Network Project on Organic Farming (AI-NPOF) at Tamil Nadu Agricultural University, Coimbatore, India, 27-29 November, 2018.

11. Attended and delivered an invited talk at the Fourth meeting of Quinquennial Review Team (QRT) at ICAR Research Complex for NEH Region, Shillong, India, 12-13 December, 2018.

12. Attended and presented a poster at the Kolkata Regional Young Investigators' Meeting at Presidency University, Kolkata, India, 5-6 February, 2019.