

# BRIEF RESUME



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**ACADEMIC QUALIFICATION** : M.Sc.; Ph.D.

## PROFESSIONAL QUALIFICATION:

**I. Training Programme:** 10

**II. Teaching Experience:** more than 14 years

**No of Ph.D. student- 8 awarded+1 submitted+4 pursuing**

**No of M.Phil. student- 1 pursuing**

**No of project student guided/guiding- 29 (BE)+ 16 (MSc)+ 4 (MTech)**

Guided summer trainees and Scientists from Jharkhand and other places.

**III. Research Experience: More than 16 years (except PhD work)**

**Postdoctoral experience III:** 1 yr (with Prof. Andrew Paterson, University of Georgia, Athens): Worked on SSRs mapping of Sorghum through BOYSCAST fellowship

**Postdoctoral experience II:** 6 months (with Dr Song Joong Yun, CBNU, Jeonju, South Korea) through Korean Research Foundation (KRF)

1. Salt stress related gene isolation and characterization
2. Development of SSR markers in Rubus species using enrichment techniques
3. Preparing study of gene expression in barley using Microarray

**Postdoctoral experience I:** 2 yrs & 5 months (with Prof PK Gupta and Prof HS Balyan, CCSU, Meerut, UP) through DBT fellowship, GOI

Ph. D. programme and thesis title –

**“PCR analysis of *Ricinus communis* L. genome to evolve markers for DNA fingerprinting”.**

March 01, 1998 to May, 1999 during my service in the post of a Project Assistant of a DST(Govt. of India) sponsored project entitled **“Cultivation cum presentation of local medicinal plants of rural West Bengal with an aim to improve primary health of local people”.**

M. Sc. Dissertation on **“Antimicrobial substances from members of Saxifragaceae and heir bio-control potential”**,

**Recent awards and recognitions:** Chairperson & Lead speaker, Associate Editor, Advisor Jharkhand NASI chapter, Selected Scientists for the life Membership 2012 of the NASI, Allahabad Chief Guest and Key speaker, Executive Committee member, Vice President, AMI Unit, Bardhaman, Participated for Southern Ocean Expedition (SOE) for 2011, Participated in live Radio program from Jharkhand, State Coordinator for IYSC, Jharkhand, Reviewer of research project at IFP, Ranchi, ICFRE, BOYSCAST FELLOWSHIP RECIPIENT 2007-2008, Foreign Scientist Exchange Programme (Fellowship from Korean Research Fund) (2005)

**Membership of Scientific Societies:** 12

### **Research Activities:**

**Current research interest and activity is on Extremophilic bacteria**

**Expedition and exploration (2011-Till date):** Southern Ocean deep sea microbes and microorganisms and their biological potential. This project is funded by the Institute as well as by Ministry of Earth Sciences (MoES) and National Center of Antarctica and Ocean Research (NCAOR, Goa), Govt. of India.

**Algal Biotechnology (2008-2014):** Molecular characterization of novel hydrogen producing algae. This project was funded by the Institute and completed in March, 2013.

**Earlier work** - Study of different molecular marker systems (RAPD, SSR and ITS) in Guggul, Tulsi, Wheat, Sorghum, Rubus Castor; Plant Microbe interaction; Plant Pigments; Genome characterization etc.

**Ongoing Research Projects:** 4

**Research Projects Sanctioned and completed:** 4

**Symposium/Camp Organized:** 15

**Conference, Workshop, Symposium and Training Programme Attended:** 66

**Publications:** [For details please visit](https://scholar.google.co.in/citations?user=jjdusmgAAAAJ&hl=en)

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**a. Papers published in International/national journals and book chapters-94**

**b. Whole Genome Sequence: 2 Bacteria** (1 Thermophilic, 1 Psychrophilic)

**Sequences submitted in the EMBL/NCBI database 3559**

**c. Abstracts in International Meetings/Conferences: 61**

**d. Abstracts in National level meetings/conferences: 67**

**e. Oral Presentation: 50**

**Dated: 07<sup>th</sup> May, 2018**  
**Burdwan**

**(RAJIB BANDOPADHYAY)**