

## Curriculum-vitae

### Miss. Adrija Banerjee

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### EDUCATIONAL/PROFESSIONAL QUALIFICATION

2017 **M.Sc. in Agricultural Biotechnology** from Department of Agricultural Biotechnology, Integrated Rural Development and Management Faculty Centre, Ramakrishna Mission Vivekananda University, Narendrapur, Kolkata, India. [83.4% ]

Supervisor: Assistant Prof. Dr. Gautam Chatterjee

Thesis Title: Identification and characterization of plant-beneficial bacteria from *Shasyagavya*, an organic biostimulant

Thesis summary: *Shasyagavya* is a low cost user friendly liquid organic manure was prepared by mixing cow dung, cow urine, vegetable waste/ crop residue and water in the ratio of 1:1:1:2 and was incubated for 16 to 26 days. The physico-chemical parameters indicate that pH rises upon incubation whereas electrical conductivity decreases significantly. However, nutrient analysis reveals loss of organic carbon and total nitrogen in *Shasyagavya* upon days of incubation. Ten distinct bacterial isolates were selected by efficacy assay (five p-solubilizers) & morphologically (five N<sub>2</sub> fixers) and IAA production assay was observed. The morpho-biochemical characterization of isolates was done and biochemically identified.

2015 **B.Sc. (Hons.) in Genetics** from Institute of Genetic Engineering, Maulana Abul Kalam Azad University of Technology [77.30% (DGPA-8.48)]

Supervisor: Mr. Puspall De

Thesis Title: To study the antagonistic effect of sodium arsenite genotoxicity of citral in mice meiotic chromosomes

2011 **Higher Secondary** (10+2) from Lake School for Girls' under West Bengal Council of Higher Secondary Education [62%]

2009 **Secondary** (10<sup>th</sup>) Sir Ramesh Mitter Girls' High School. West Bengal Board of Secondary Education [73%]

## **AREA OF INTEREST**

Plant tissue culture (synthetic seed production), Molecular characterization, DNA fingerprinting, Chromosomal anomalies

## **RESEARCH TECHNIQUES KNOWN**

Plant tissue culture, PCR, Gel electrophoresis, Microbial techniques, Molecular biological tools and techniques, Karyotyping.

## **AWARDS AND ACHIEVEMENTS**

2016                      **Gold medal from Maulana Abul Kalam Azad University of Technology**

## **CONFERENCE/SYMPOSIUM ATTENDED**

Dec 9-11, 2017            **Oral Presentation at National Symposium on Towards Climate Smart Agriculture- A Key to Livelihood Security on Quality Assessment of Indigenous Liquid Organic Manure *Shasyagavya***

Mar 18-19, 2017        **Two-day national seminar on Scientific devices, technology applications & community linkage by TEQIP & Center of Excellence, University of Calcutta.**

Mar 4, 2016              **Seminar on Bioprospecting and potentially of medicinal plants in human welfare and economic uplift in West Bengal by Ramakrishna Mission Vivekananda University, Narendrapur & State Agricultural Management and Extension Training Institute (SAMETI).**

Jan 15-16, 2016        **National seminar on Resource based inclusive agriculture and rural development: opportunities and challenges in Ramakrishna Mission Vivekananda University, Narendrapur in collaboration with Association for Plant Breeding and Improvement (APBI), University of Calcutta**

## **EXPERIENCES**

Sep 21- Oct 20, 2016    **As a trainee in Bayer Crop Science**

Sep 17, 2017- present As **Project Assistant** in **Date Palm Tissue Culture for Raising Quality Saplings** at **Ramakrishna Mission Vivekananda Educational and Research Institute**

### **PERSONAL INFORMATION**

Date of Birth: 20-05-1993

Sex: Female

Nationality: Indian

Marital Status: Single

### **REFEREES**

#### **Dr. Gautam Chatterjee**

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