

## CURRICULUM VITAE

### BANANI CHATTOPADHYAYA

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#### Personal details:

- Date of Birth: 27th day of September, 1980
- Father's name: Mr. Gopal Chandra Chattopadhyaya
- Nationality: Indian

#### Educational qualification:

PhD. Plant Biotechnology, (2005- ), Pursuing at the Department of Biotechnology, Indian Institute of Technology, Kharagpur, India

M. Sc. Botany (with specialization in Cell and Molecular Biology), 2003, from University of Calcutta, Kolkata, India (68.6% marks)

B.Sc. (Botany as the major subject), 2001, from Lady Brabourne College, University of Calcutta, Kolkata, India (60.8% marks)

#### Awards:

- Awarded Junior Research Fellowship for qualifying Joint CSIR-UGC National Eligibility Test (NET), 2004.
- Qualified Graduate Aptitude Test in Engineering (GATE), (98.08 percentile, All India Ranking: 92) 2004.
- State level winner of Rajiv Gandhi Sadbhavana Essay competition and represented state at National level in India, 1994.
- All India Talent Search (AITS) scholarship for academic excellence, 1990.

#### Area of interest:

Transgenic biology, functional genomics

#### Doctoral research:

Presently pursuing Ph.D. research work entitled 'Cloning and characterization of two desaturase genes for their potential applications in modifying seed fatty acid profile of *Sesamum indicum*

### Work experience:

- Worked as guest lecturer at Shri Shikshayatan college, Kolkata from July 2004 to November 2004.
- Worked as Junior Research Fellow at Adv. Laboratory for Plant Genetic Engineering, Advanced Technology Development Center, Indian Institute of Technology, Kharagpur-721302, India, from November 2004-June 2005.

### Publications:

1. **Banani Chattopadhyaya**, Joydeep Banerjee, Asitava Basu, Soumitra K. Sen and Mrinal K. Maiti. Shoot induction and regeneration using internodal transverse thin cell layer culture in *Sesamum indicum* L. Plant Biotechnology Reports (2010), 4:173-178

Contribution: Banani Chattopadhyaya performed the major part of the planning, experimental work, data analysis and wrote the manuscript.

2. Saheli Sinha Jha, Jyoti K. Jha, **Banani Chattopadhyaya**, Asitava Basu, Soumitra K. Sen, Mrinal K. Maiti. Cloning and characterization of cDNAs encoding for long-chain saturated acyl-ACP thioesterases from the developing seeds of *Brassica juncea*. Plant Physiology and Biochemistry (2010), 48:476-480

Contribution: Banani Chattopadhyaya performed part of the experimental work, data analysis and writing the manuscript along with others.

### Conference Proceedings:

1. Development of an efficient shoot regeneration technique using 'transverse thin cell layer' culture system: a crucial step for genetic transformation of sesame. Banani Chattopadhyaya, Asitava Basu, Soumitra K. Sen, Mrinal K. Maiti at International Conference on Biotechnology (INCOB 2008), organized by VIT University, Vellore, India, February 6-8, 2008 (poster presentation)