

## **Brief Curriculum Vitae**

**NAME: SNEHASISH DUTTA GUPTA**

**CURRENT POSITION AND AFFILIATION:** Professor, Dep. of Agricultural and Food Engineering, Indian Institute of Technology Kharagpur, India

### **EDUCATIONAL QUALIFICATIONS**

Ph. D - Plant Tissue Culture, University of Kalyani, 1985

M. Sc - Cytogenetics, University of Kalyani, 1980, First Class First

B.Sc - Botany, University of Kalyani, 1978, First Class Second

PG Diploma - Distance Education, Indira Gandhi National Open Univ., 1987, Merit Listed

### **PUBLICATIONS**

- a) Publications in refereed journals: 65
- b) Books: 2 (Springer), 2 (CRC Press)
- c) Book Chapters: 18
- d) Publications in proceedings of seminars /conferences: 43

### **RESEARCH GUIDANCE (Completed)**

- a) Guidance at doctoral level: 8
- b) Guidance at post doctoral level: 1
- c) Guidance at master level: 46

### **ACADEMIC OR PROFESSIONAL AWARDS (HONOURS)**

1. JSPS Invitation Fellowship, 2007
2. Fellow member, Plant Tissue Culture Association (India), 2004
3. JSPS Invitation Fellowship, 2003
4. INSA-Czech Acad. of Sciences, Visiting Scientist, 2001
5. Visiting Scientist, University of Tennessee, 1999, 97-96
6. UNESCO (Biotechnology Action Council) sponsored IAPTC membership, 1995, 96
7. National Scholarship for Study Abroad, MHRD, 1988-89
8. CSIR Junior (1981-82) and Senior Research Fellowship (1983)
9. Certificate of Merit from Kalyani University, 1980
10. National Scholarship, Govt. of India, 1978

### **SPONSORED RESEARCH AND CONSULTANCY UNDERTAKEN**

1. Cryogenic preservation of cells and tissues (CSIR)
2. Manipulation of fatty acid composition with substituted pyridazinones in safflower (ISIRD, IIT KGP)
3. Application of genetic techniques for categorization of tropical non-mulberry silkworm for improved tasar silk production (AICTE)
4. In vitro propagation of switchgrass (Martin Lockheed)
5. Carbohydrate metabolism during in vitro tuber induction (INSA- Czech Academy of Sci.)
6. Acoustic behaviour of regenerated leaves (JSPS)
7. Photosynthetic and thermal imaging of micropropagated leaves (JSPS)

8. RAPD profiles of gladiolus (IIKGP)
9. UV opacity evaluation in the samples of cold and anti-sun burn cream (DARL)
10. Screening of *Aloe vera* L. germplasms for cosmetic gels and micropropagation of elite clones (DST)
11. Studies on the immunomodulatory potential of *Aloe vera* L. gel and its product (DARL)
12. Imaging photosynthesis of micropropagated plants (DST-JSPS)
13. A value chain on *Aloe vera* L. (NAIP, ICAR)

### **Editorial Board Member**

1. Indian Journal of Biotechnology, NISCAIR
2. Information Processing in Agriculture, Elsevier
3. International Journal of Food and Nutrition Safety (Modern Scientific Press, USA)
4. Universal Journal of Plant Science (Horizon Research Pub., USA)
5. Journal of Crop Science (Bioinfo Pub.)
6. Plant Science International (Science and Education Centre of North America)

### **Membership of Professional Societies**

1. International Society for Horticultural Science, Belgium
2. European Federation of Biotechnology
3. Life Member, Indian Society for Plant Physiology
4. Elected Member, Plant Tissue Culture Association (India)