

GOVERNMENT GENERAL DEGREE COLLEGE, SINGUR
ACADEMIC PROFILE



DR. PINTU BANERJEE

Associate Professor in Botany (W.B.E.S)

M.Sc., B.Ed., Ph.D.

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- **Specialization:** Microbiology
- **Date of joining in this college:** 15.09.2021
- **Total teaching experience in college level:** 23 years
- **Area of research:** Biochemistry, Microbiology & **Plant Biotechnology**
- **Title of Ph.D. thesis (if any):** “*In Vitro Propagation and Biochemical Studies of Arachis hypogaea* with Reference to Genetic Variability”
- **Research guidance (if any):** Nil
 1. **Research projects [completed / ongoing] (if any):** Study of medicinal plant diversity with special emphasis on folklore medicinal plant of Nadia district and assessment of their antimicrobial activity (As a Principal investigator) vide letter No F. PSW- 085/10-11 (ERO) Dated 20.10.2010.

➤ **List of publications:**

A. Published papers in Journals:

1. **P. Banerjee**, KC Ghosh, SK Sen and N. Banerjee. **2001**. In vitro studies of *Arachis hypogaea* L. var. JL-24. Perspectives in Cytology and Genetics (Eds G K Manna and S C Roy, AICCG Publ.). vol. 10: 731-736. Peer Reviewed Journal, ISSN: 0970-4507.
2. S.Maity, **P. Banerjee**, and N.Banerjee. **2004**. Plant regeneration through callus mediated organogenesis in *Albizia lebbek*. Perspectives in Cytology and Genetics (Eds G K Manna and S C Roy, AICCG Publ.). vol. 11: 201-204. Peer Reviewed ISSN: 0970-4507.
3. Sharmistha Maity, **Pintu Banerjee** and Nirmalya Banerjee. **2006** Influence of plant organ on rapid clonal propagation of *Albizia lebbek*: A fast growing fuel wood species. *J. Bot. Soc. Bengal* 60(2): 78-82. ISSN: 0971-2976.
4. **Pintu Banerjee**, Sharmistha Maity. Sudhansu S. Maity and Nirmalya Banerjee. **2007**. Influence of genotype on *in vitro* multiplication potential of *Arachis hypogaea* L. *Acta Botanica Croatica* 66(1). 15-23. International Journal, **Impact Factor: 0.484** ISSN: 0365-0588.

5. **Pintu Banerjee**, Sharmistha Maity and Nirmalya Banerjee. **2010** *In vitro* propagation of *Arachis hypogaea* L. var. AK-1224: Direct and indirect plant regeneration. ***Plant Cell Biotechnology and Molecular Biology*** 11 (1&2). International Journal, Indexed in ISI, Scopus, SJR, CAB ISSN: 0972-2025.
6. **Pintu Banerjee** **2011** Phytoestrogens: an overview. ***Conscientia*** ISSN: 2278-6554, Volume- 1, No. 2. Page: 33-38.
7. **Pintu Banerjee**. **2012** (February) Kinema: a traditional fermented food. ***Conscientia*** ISSN: 2278-6554.
8. **Pintu Banerjee**, Sharmistha Maity and Nirmalya Banerjee **2012** High frequency somatic embryogenesis and plantlet regeneration of *Bauhinia variegata*, a multipurpose tree legume. ***Indian Journal of Fundamental and Applied Life Sciences***. 2012: 2(2) April-June, pp-87-95. Peer Reviewed, International Journal, ISSN: 2231-6345.
9. **Pintu Banerjee**. **2012** Traditional system of medicine and medicinal plants of Darjeeling and Sikkim: Present status. ***MS Academic***, 2012, 2(2&3):141-147. Peer Reviewed, International Journal, ISSN-2229-6484.
10. **Pintu Banerjee** **2013**. Rapid *in vitro* propagation of *Acacia auriculiformis* on solid and liquid media: role of organic additive, antioxidant and plant growth regulators. ***Cibtech Journal of Bio-Protocols***. Vol. 2 (1) January-April, pp.39-49. Peer Reviewed, An Online International Journal, ISSN: 2319-3840.
11. **Pintu Banerjee**. **2013** Somatic embryogenesis and plantlet regeneration in three high yielding varieties of *Arachis hypogaea* L. ***Indian Journal of Plant Sciences***. Peer Reviewed, An Online International Journal, Vol. 2 (2) April-June, pp.28-34 ISSN: 2319-3824.
12. **Pintu Banerjee** **2013** *In vitro* plant regeneration of *Bauhinia variegata* Linn. through direct and indirect shoot bud development from different explants on MS solid and liquid media. ***Indian Journal of Applied and Pure Biology***, Vol. 28(2), 181-192. International Journal, Abstracted and indexed in Indian Science abstracts, Paryavaran abstracts, Aromatic and medicinal plant abstracts, BIOSIS, Zoological Record, scholar.google.com and Copernicus abstracts. **Impact Factor: 3.0**.
13. **Pintu Banerjee** **2014**. Rapid *in vitro* propagation of *Arachis hypogaea* L. Var. AK 1224: A comparative study using different explants. ***CIBTech Journal of Bio-Protocols***, Peer Reviewed, An Online International Journal, Vol. 3 (1) pp. 35-41 ISSN: 2319-3840.
14. **Pintu Banerjee** **2014**. Documentation of ethno-medicinal plants of Nadia district of West Bengal and *in vitro* screening of three local medicinal plants for their antibacterial activity. ***CIBTech Journal of Microbiology***, Vol. 3 (2) April-June, pp. 4-10 Peer Reviewed, An Online International Journal, ISSN: 2319-3867.
15. **Pintu Banerjee and Sharmistha Maity** **2014**. Regeneration of Plantlet through Somatic Embryogenesis in a High Yielding Variety of *Arachis hypogaea* L. Var. ICG 11337. ***Manan*** (ISSN: 2348-3849), Vol. 1 (1), 22-28.
16. **Pintu Banerjee**. **2014**. Biological hazards with reference to viral infection. ***Conscientia*** (ISSN: 2278-6554), Page: 22-29

B. Published papers in Seminars/Symposia/Conferences: Nil

C. Published Books / Chapters in Books: Nil

D. Participation in Seminars/Symposia/Conferences/Workshops: Nil

➤ **Participation in OP/RC/FIP/FDP: Nil**

➤ **Membership of Learned Societies/ Editorial Boards, etc. (if any):**

1. Association of Microbiologists of India

➤ **Patents (if any): Nil**

➤ **Awards (if any): Nil**

➤ **Other notable activities (if any): Nil**