

List of Publications – Botany

A) PRESENT FACULTY

Dr. Pintu Banerjee

Peer Reviewed Journals:

- 1) “*In vitro* propagation of *Arachis hypogaea* L. var. AK-1224: Direct and indirect plant regeneration”, **P. Banerjee**, S. Maity and N. Banerjee, *Plant Cell Biotechnology and Molecular Biology*, 2010, 11 (1&2).
- 2) “High frequency somatic embryogenesis and plantlet regeneration of *Bauhinia variegata*, a multipurpose tree legume”, **P. Banerjee**, S. Maity and N. Banerjee, *Indian Journal of Fundamental and Applied Life Sciences*, 2012, 2 (2), 87-95.
- 3) “Traditional system of medicine and medicinal plants of Darjeeling and Sikkim: Present status”, **P. Banerjee**, *MS Academic*, 2012, 2 (2&3), 141-147.
- 4) “Rapid *in vitro* propagation of *Acacia auriculiformis* on solid and liquid media: role of organic additive, antioxidant and plant growth regulators”, **P. Banerjee**, *Cibtech Journal of Bio-Protocols* [ISSN: 2319-3840] An Online International Journal, 2013, 2 (1), 39-49.
- 5) “Somatic embryogenesis and plantlet regeneration in three high yielding varieties of *Arachis hypogaea* L.”, **P. Banerjee**, *Indian Journal of Plant Sciences* [ISSN: 2319-3824] An Online International Journal, 2013, 2 (2), 28-34.
- 6) “*In vitro* plant regeneration of *Bauhinia variegata* Linn. through direct and indirect shoot bud development from different explants on MS solid and liquid media”, **P. Banerjee**, *Indian Journal of Applied and Pure Biology*, 2013, 28 (2), 181-192.
- 7) “Rapid *in vitro* propagation of *Arachis hypogaea* L. Var. AK 1224: A comparative study using different explants”, **P. Banerjee**, *CIBTech Journal of Bio-Protocols* [ISSN: 2319-3840] An Online International Journal, 2014, 3 (1), 35-41.
- 8) “Documentation of ethno-medicinal plants of Nadia district of West Bengal and *in vitro* screening of three local medicinal plants for their antibacterial activity”, **P. Banerjee**, *CIBTech Journal of Microbiology* [ISSN: 2319-3867] An Online International Journal, 2014, Accepted.

Others:

- 1) “Phytoestrogens: An Overview”, **P. Banerjee**, *Conscientia* [ISSN: 2278-6554], 2011, 1 (2), 33-38.
- 2) “Kinema: a traditional fermented food”, **P. Banerjee**, *Conscientia* [ISSN: 2278-6554], 2012, 1 (3), 14-19.
- 3) “Regeneration of Plantlet through Somatic Embryogenesis in a High Yielding Variety of *Arachis hypogaea* L. Var. ICG 11337”, **P. Banerjee** and S. Maity, *Manan* [ISSN: 2348-3849], 2014, 1 (1), 22-28.

Dr. Asok Ghosh

Peer Reviewed Journals:

- 1) “Biological Spectrum of Bethuadahari Wildlife Sanctuary, Nadia-Murshidabad Forest Division, West Bengal”, **A. Ghosh**, A. Bhattacharya, S. Adhikari and A. K. Mondal, *Indian Journal of Applied and Pure Biology*, 2008, **23** (2), 389-394.
- 2) “Floristic Study and Vegetational Relationship of Bagmara Block in Sundarbans Tiger Reserve (STR)”, **A. Ghosh**, S. Mukherjee and K. R. Naskar, *Indian Journal of Applied and Pure Biology*, 2012, **27** (2), 207-218.
- 3) “Distribution of epiphytes, parasites and mistletoes on six species of Phorophytes in upper montane tropical forest of Darjeeling, West Bengal”, **A. Ghosh** and S. Saha, *Indian Journal of Applied and Pure Biology*, 2013, **28** (1), 45-54.
- 4) “Taxonomic significance of perigynium morphology and achene epidermal silica body in sixteen species of *Carex* L. (Cyperaceae) from the Darjeeling and Sikkim Himalayas, India”, **A. Ghosh** and G. G. Maiti, *Our Nature*, 2013, Accepted.
- 5) “Occurrence of mycorrhizae in some species of *Carex* (Cyperaceae) of the Darjeeling Himalayas, India”, **A. Ghosh**, S. Bhujel and G. G. Maiti, *International Journal of Life Science and Pharma Research*, 2014, **4** (1), 1-10. [IF: 0.672]
- 6) “Taxonomy and present distribution of different species of *Carex* L., cyperaceae in Darjeeling and Sikkim Himalayas, India”, **A. Ghosh** and G. G. Maiti, *International Journal of Life Science and Pharma Research*, **4** (3), 33-56. [IF: 0.672]

Others:

- 1) “Distribution Of Mangrove And Mangrove Associated Plants In Different Blocks And Compartments Of Sundarbans Tiger Reserve (STR) With Special References To Their Abundance”, **A. Ghosh**, N. Sen, S. Mukherjee and K. R. Naskar, In *Proceedings of International Seminar on Multidisciplinary Approaches in angiosperm Systematics*, 2012, Eds. S. K. Mukherjee and G. G. Maiti, pp 541-553.
- 2) “Sundarbans Tiger Reserve In West Bengal - The Facts And Figures”, **A. Ghosh**, S. Mukherjee and K. R. Naskar, 2012, In *Proceedings of International Seminar on Multidisciplinary Approaches in angiosperm Systematics*, 2012, Eds. S. K. Mukherjee and G. G. Maiti, pp 486-501.

Chapter in Books:

- 1) “Anatomical study of some species of dicotyledons climber from Darjeeling and surrounding areas, West Bengal, India with special reference to mechanical adaptation”, **A. Ghosh** and P. Thapa, LAP LAMBERT Academic Publishing, Saarbrücken, Germany, 2013.
- 2) “Palynotaxonomical study of some members of Rosaceae and Polygonaceae- with special reference to exine sculpturing”, **A. Ghosh**, I. Saha and A. Adhikary, LAP LAMBERT Academic Publishing, Saarbrücken, Germany, 2013.

Dr. Sharmistha Maity

Peer Reviewed Journals:

- 1) “Characterization of red pigment from *Monascus* in submerged culture”, **S. Maity**, S. Chatterjee and S. K. Sen, *Journal of Applied Sciences Research*, 2009, **5** (12), 2102-2108.
- 2) “In vitro propagation of *Arachis hypogaea* L var. AK 1224: direct and indirect plant regeneration”, P. Banerjee and **S. Maity**, *Plant Cell Biotechnology and Molecular Biology*, 2010, **11** (1&2), 57-62.
- 3) “A water soluble, nonaromatic, nitrogenous compound from a hyper-red pigment producing mutant of *Monascus purpureus*”, **S. Maity**, S. Chatterjee and S. K. Sen, *Dynamic Biochemistry, Process Biotechnology and Molecular Biology*, 2011.
- 4) “High frequency somatic embryogenesis and plantlet Regeneration of *Bauhinia variegata*, a multipurpose Tree legume”, P. Banerjee and **S. Maity**, *Indian Journal of Fundamental and Applied Life Sciences* [ISSN: 2231-6345], 2012, **2** (2), 87-89.
- 5) “Bioremediation: What, How and Why”, **S. Maity**, *MS Academic* [ISSN-2229-6484], 2013, **3**, 67-70.

Others:

- 1) “Cytochrome P450: A Biotransformer”, **S. Maity**, *Conscientia* [ISSN: 2278-6554], 2011, **1** (2), 39-42.
- 2) “Down’s Syndrome: A Chromosomal Disorder”, **S. Maity**, *Conscientia* [ISSN: 2278-6554], 2012, **1** (3), 20-27.
- 3) “Regeneration of Plantlet through somatic embryogenesis in a high yielding variety of *Arachis Hypogaea* L. var. ICG 11337”, P. Banerjee and **S. Maity**, *Manan* [ISSN-2348-3849], 2014, **1**(1) 22-28.
- 4) “Organogenesis and Somatic Embryogenesis of *Nyctanthes arbor-tristis*, an Important Medicinal Shrub”, **S. Maity**, *Manan* [ISSN-2348-3849], 2014, **1**(1), 29-34.

B) FACULTY ON LIEN

Dr. Soumen Bhattacharjee

Peer Reviewed Journals:

- 1) “Calcium-dependent signaling pathway in the mitigation of heat induced oxidative injury and induction of stress proteins for the acquisition of thermotolerance in *Amaranthus lividus* L.”, **S. Bhattacharjee**, *Indian Journal of Plant Physiol.*, 2012, In press. [NAAS journal rating: 5.5]
- 2) “The language of reactive oxygen species signalling in plants”, **S. Bhattacharjee**, *Journal of Botany*, 2012, **2**, 1-22.

3) “An inductive pulse of hydrogen peroxide pretreatment restores redox - homeostasis and mitigates oxidative membrane damage under extremes of temperature in two rice cultivars (*Oryza sativa* L., Cultivars Ratna and SR 26B)”, **S. Bhattacharjee**, *Plant Growth Regulation*, 2012, **68**, 395-410. [IF: 1.63, NAAS journal rating: 7.6]

4) “Heat and chilling induced disruption of redox homeostasis and its regulation by hydrogen peroxide in rice (*Oryza sativa* L., Cultivar Ratna)”, **S. Bhattacharjee**, *Physiol. Mol. Biol. Plants*, 2013, **19**, 199-207. [IF: 0.95, NAAS journal rating: 5.2]

Chapter in Books:

“Reactive oxygen species associated mechanism of acclamatory stress tolerance, signaling and redox-regulated gene expression in plants”, **S. Bhattacharjee** in “*Plant signaling: Understanding molecular cross talk*”, Eds. Hakeem K, Rehman et al. DOI 10.1007/978-81-322-1542-4_8, Springer, 2013, in press.

C) TRANSFERRED FACULTY

Dr. Ashoke Bhattacharya

Peer Reviewed Journals:

1) “Pollination Biology of ten medicinally important Angiosperms of West Bengal (India)”, **A. Bhattacharya** and S. Mondal, *Applied Biological Research*, 2012, **14** (1), 86-94.

2) “Genetic Diversity and Ethnobotany of *Moringa olifera* Lamk in India. A morphometric evaluation of pod seed characters”, **A. Bhattacharya**, *J. Interacad.*, 2013, **17** (2), 212-216.

Other Journal:

“An Overview on Pollen Allergy”, **A. Bhattacharya**, *Conscientia* [ISSN: 2278-6554], **1** (1), 2011, 9-16.

Dr. Tulika Talukder

Other Journals:

“Carotenoids – Its Beneficial Effects, Bioavailability and Retention in Prepared, Processed and Stored Foods”, **T. Talukder**, *Conscientia* [ISSN: 2278-6554], **1** (2), 2011, 53-65.

Chapter in Books:

“Cypselas diversity of Tribe Calandulae (Asteraceae) an overview”, **T. Talukder**, Lap Lambert Academic Publishing House, Germany [ISBN-978-3-659-3200-2], 2013, pp 1-85.