

<b>Name:</b> Dr. Hema Gupta (Joshi)	
<b>Designation:</b> Assistant Professor, Grade II	
<b>Qualification:</b> Ph.D	
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<b>Teaching Experience:</b> 08 years	
<b>Research Experience:</b> 08 years	
<b>Research areas/Interest:</b>  Plant ecology, mangrove ecology, forest vegetation study, soil chemistry in relation to vegetation	
<b>Awards and Honours:</b>  ‘Certificate of Merit’ in the year 2000 by Indian Botanical Society  ISCA Best Poster Presentation Award in the year 2002 by Indian Science Congress Association	

**Sanctioned Project:**

UGC Major Research Project MRP-MAJOR-BOTA-2013-2795 recommended recently

**Significant publications:**

- i) Joshi, H. & M. Ghose. 2002. Structural variability and biomass production of mangroves in Lothian island of Sundarbans, India. In *Research and Management Options for Mangroves and Saltmarsh Ecosystems* (eds.) Salim Javed and Amrita G De Soyza, ERWDA, Abu Dhabi. UAE, pp. 146 – 158.
- ii) Joshi, H. & M. Ghose. 2003. Forest structure and species distribution along soil salinity and pH gradient in mangrove swamps of the Sundarbans. *Tropical Ecology* **44(2)**: 195- 204.
- iii) Gupta (Joshi), H. 2012. Vegetation structure, floristic composition and soil nutrient status in three sites of tropical dry deciduous forest of West Bengal, India. *Indian Journal of Fundamental and Applied Life Sciences* **2(2)**: 355-364.
- iv) Gupta Joshi, H. & M. Ghose. 2012. Vegetation structure and species diversity of mangroves in Lothian Island, Sundarbans, India. In *Pollen Biology, Biodiversity and Climate Change* (ed.) A. J. Solomon Raju, Today & Tomorrow Printers and Publishers, New Delhi, pp. 205-217.
- v) Gupta Joshi, H. & M. Ghose. 2014. Community structure, species diversity and aboveground biomass of the Sundarbans mangrove swamps. *Tropical Ecology* **55(3)**: 283-303.
- vi) Nag, A. & H. Gupta (Joshi). 2014. A physicochemical analysis of some water ponds in and around Santiniketan, West Bengal, India. *International Journal of Environmental Sciences* **4(5)**: 676-682.
- vii) Nag, A. & H. Gupta (Joshi). 2014. Population structure and natural regeneration of Sal (*Shorea robusta* Gaertn. F.) in dry deciduous forests of West Bengal. *International Journal of Scientific Research in Environmental Sciences* **2(11)**: 421-428.

**Patents /Any other achievements:** N.A.

**Lab members:** 3 Ph.D students