

CURRICULUM VITA



Name : DR. SOMDATTA GHOSH
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Department of Botany
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➤ **List of research papers published in National/ International journals:**

- i) Ghosh, Somdatta and N. K. Verma. Seasonal variation of mycorrhizal status in rhizosphere of six plantation species grown in red lateritic soil of south West Bengal. *Mycopathology Res.* 42(2)2004.
- ii) Ghosh, Somdatta and N. K. Verma. Effect of three indigenous and one exotic AM fungi on growth of *Acacia auriculiformis* and *Eucalyptus terreticornis* grown in red lateritic soil. *Mycopathology Res.* 42(2).2004.
- iii) Ghosh, Somdatta, D. K Bhattacharya and N. K. Verma. Mustard (*Brassica campestris* L.) cultivation reduces the vesicular arbuscularmycorrhizal advantage of successive crops. *Mycorrhiza News.* 16(2).2004.
- iv) Ghosh, Somdatta, R. Biswas, H. Bhattacharya and N. K. Verma. Growth and mycorrhizal dependency of *Acacia*lateritic soil. New Forest. Springer.
- v) Ghosh, Somdatta. Variation of arbuscularmycorrhizalstatus..... monsoon. *Mycorrhiza News.*2007
- vi) Ghosh, Somdatta. Effects of..... seedlings in lateritic soil. *Indian J plant physiol.* Springer.2008
- vii) Ghosh, Somdatta.Impact of seasonal variations.....*Eucalyptus terreticornis.* *Mycorrhiza News.*2011
- viii) Requirement of Arbuscularmycorrhizalinoculums.....seedlings in lateritic soil. *Indian Forester.*2011
- ix) Ghosh, Somdatta and N. K. Verma D. Kuila. Comparative productivity and mycorrhizal infectivity of fly ash with other soils and standerdization of amendment ratio of fly ash with lateritic soil. *J mycopathology Res.*2015
- x) Ghosh, Somdatta and D. Kuila. Comparison of arbuscularmycorrhizal colonization and spore density in vegetation of fly ash deposited area of Kolaghatthermal power station and normal soil vegetation.2015

➤ **List of Books/chaptpaers in book published :**

- i) Ghosh, Somdatta. Impact of chemicalfertilizers and other agrochemicals in conventional

agricultural practice on mycorrhizae in agricultural field. **Ecology and Biotechnology of Mycorrhizae**(Ed. P.C di) I.K ITrivernational PublNew Delhi.2009

- ii) **Ghosh, Somdatta** and N. K. Verma. Arbuscularmycorrhizal status in lateritic soil of south west Bengal. **Advances in Botany** (Ed. S. Mondol). Viswabharati Publication.2007
- iii) **Ghosh, Somdatta**. Diversity of Arbuscularmycorrhizal colonization varies with habit and habitat of host plant and seasons. **Biodiversity: Natural wonders. 2011. ISBN 978-93-80663-61-6.**
- iv) **Ghosh, Somdatta**, and N. K. Verma D. Kuila. Arbuscularmycorrhizal dependency of plants. **Recent trends in biofertilizer** (Ed. B.R. Pati& S.R. Mondol). I.K. International Publ, New Delhi.2015

➤ **Area of Teaching:**

- i) Biotechnology
- ii) Ecology
- iii) Taxonomy
- iv) Biochemisty

➤ **Area of research**

- i) Biofertilizer application
- ii) Mycorrhizal application in agriculture, forestry and fly ash restoration

➤ **Associated with any other Organization:**

- i) International SOCIETY OF TROPICAL ECOLOGY, BHU
- ii) MYCOLOGICAL SOCIETY OF INDIA
- iii) THE ENEGY AND RESEARCH INSTITUTE (TERI)

➤ **Other Activities:**

- i) NSS Program officer(2008-2012)
- ii) Ph. D supervision

➤ **Extracurricular Activities**

- i) Recitation
- ii) photography

