

Curriculum Vitae

Dr. BHASKAR CHAURASIA

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ACADEMIC QUALIFICATION: M.Sc., Ph.D. (Botany)

Ph.D. THESIS TITLE:

“Ecological study of tropical forest trees with special reference to vesicular arbuscular mycorrhizal (VAM) association”.

POST Ph.D. RESEARCH EXPERIENCE:

Research Associate

GB Pant Institute of Himalayan Environment & Development
Kosi-Katarmal, Almora, 263643 UttaraKhand, India.

AREA OF SPECIALIZATION:

- Arbuscular Mycorrhizal Biology
- Mass propagation of AM fungi
- Fungal Antagonism
- Plant development
- Biofertilizer development

PUBLICATIONS:

- ☀ **Chaurasia B.** and Khare P.K. (2011) Association of Vesicular Arbuscular Mycorrhizal fungi with ornamental plants. In: Microbial Biotechnology and Ecology (eds) Vyas, D. Paliwal, G.S., Khare, P.K. and Gupta, R.K. Daya publishing house, New Delhi, 201-208pp.
- ☀ **Chaurasia B.** and Atri D.C. (2009) Unusual Citrus, *Current Science* Vol. 96 No.2 184-185pp.
- ☀ Shipra Singh, Anita Pandey, **Bhaskar Chaurasia** and Palni L.M.S. (2008) Diversity of arbuscular mycorrhizal fungi associated with the rhizosphere of tea growing in ‘natural’ and ‘cultivated’ ecosites. *Biology and Fertility of Soils* 44:491-500pp.
- ☀ **Chaurasia B.**, Pandey A. and Palni L.M.S. (2008) Arbuscular mycorrhizal species diversity in Kumaun region of Indian Central Himalaya. In: *The Mycorrhizae- diversity, ecology and application* (eds) Tiwari M. and Sati S.C., Daya publishing house, New Delhi, 286-294pp.
- ☀ Pandey A. Palni L.M.S., Trivedi P., Singh S., **Chaurasia B.**, Kumar A., Agnihotri R.K., Kumar B., Tamang M.B., and Bag N. (2006) Microbial fertilizer to support organic tea production in the mountains with special reference to Uttaranchal In: *Tea in hills for smallholder growers* (ed) Jain N.K. 1-14pp.

- ☀ Pandey A., Trivedi P., Kumar B., **Chaurasia B.** and Palni L.M.S. (2006) Soil microbial diversity from Himalaya: Need for documentation and conservation, *National Biodiversity Authority* 1-60pp.
- ☀ **Chaurasia B.**, Pandey A and Palni L.M.S. (2005) Distribution, Colonization and Diversity of Arbuscular Mycorrhizal Fungi Associated with Central Himalayan Rhododendrons. *Forest Ecology and Management*.207: 315-324pp.
- ☀ **Chaurasia, B.**, Pandey A., Palni L.M.S. Trivedi P., Kumar B. and Colvin N., (2005) Diffusible and volatile compounds produced by an antagonistic *Bacillus subtilis* strain cause structural deformations in pathogenic fungi in vitro. *Microbiological Research*.160: 75-81pp.
- ☀ **Chaurasia B.** and Khare P. (2005) *Hordeum vulgare*: A suitable host for early production of ArbuscularMycorrhizal (AM) inoculum from natural soil. *Applied Ecology and Environmental Research* 4(1):45-53 pp.
- ☀ **Chaurasia, B.** Pandey A. and Palni L.M.S. (2005) Occurrence of Arbuscular Mycorrhizae in the Rhizosphere of Himalayan Yew (*Taxusbaccata* L. subsp. *Wallichiana* (Zucc.)Pilger)-A Case Study. In: *Basic Research and Applications of Mycorrhizae* (eds) Podila G.K. and Verma A., I. K. International Pvt Ltd publication, 25-35 pp.
- ☀ Pandey A., Trivedi P., Kumar B., **Chaurasia B.**, Singh S. and Palni L.M.S. (2004) Development of Microbial Inoculants for Enhancing Plant Performance in the Mountains. In: *Biotechnological Approaches for Sustainable Development* (eds) Reddy M.S. and Khanna S., Allied Publishers Pvt. Ltd., 13-20 pp.
- ☀ **Chaurasia, B.** (2004) Vesicular Arbuscular Mycorrhiza: a potential biofertilizer *ENVIS Newsletter on Himalayan Ecology* Vol. 1: 2.
- ☀ **Chaurasia, B.** and Khare, P.K. (1999) VAM fungi associations in a protected grassland. *Mycorrhiza News*, 11 (1): 13-14.

CONFERENCES ATTENDED:

- National : 14
- International : 02

TRAINING/WORKSHOP:

- Participated in short term training course on “*Plant Tissue Culture: Technology and Application*” organized during 12-18th October 2004 at Centre of Relevance and Excellence in Agro and Industrial Biotechnology, Thapar Institute of Engineering and Technology, Patiyala, Punjab, India.
- Participated in DBT-CAMS sponsored training workshop on “*Molecular taxonomy of the symbiotic fungi*” held during March, 2003, in the School of Life Sciences, JawaharlalNehruUniversity, New Delhi, India
- Participated in short term training on *identification of VAM fungi* at Tata Energy Research Institute, New Delhi from 06.08.1997 to 19.08.1997.
- Participated in short term training on *VAM isolation and identification* at CAS in Botany, Chennai (TN) from 11.10.1995 to 19.10.1995.