

Name: Dr.Vinay Singh Baghel
M.Sc.,Ph.D

Designation: Assistant Professor

Department: Department of Environmental Microbiology

Contact details: +91-522-2998718(Office)
09793380008(Mobile)
E mail: vinayanupma@yahoo.com



Scholarships & Fellowships

- 1.CSIR Senior Research Fellowship**
- 2.CSIR Research Associate Fellowship**
- 3.Department of Science and Technology(Govt.of India) Young Scientist Award.**

Total Research Publication: 9

Book (Text book): 5

Total Research Experience: 9

Broad Research Area: Environmental Microbiology/Env.Biotechnology

Specific Research Area and future work plan:

Presently I am engaged in an innovative and work of international importance to explore biotechnological prospects of cold adapted bacteria specially collected from Western Himalaya , India. Addition to this Microbial biodiversity, cause of Antibiotic Resistance Pattern and Search of a suitable microbial pollution indicator is another vector of my research work.

Experience:

- Worked as **DST Young Scientist(Department of Science and Technology,Govt.of India)** on the topic “Microbial diversity and biotechnological prospects of cold adapted microorganisms of Gangotri Glacier, Garhwal Himalaya, India” at Environmental Sciences Division, **National Botanical Research Institute (CSIR), Lucknow** since February 2007 to 21st January 2009.
- Worked as **Research Associate (CSIR)** on the topic “Microbial diversity and biotechnological implications of cold adapted microorganisms of Gangotri Glacier, Western Himalaya, India” at **National Botanical Research Institute (CSIR), Lucknow** since 2006 to 2007.
- Worked as **Senior Research Fellow** of Council of Scientific and Industrial Research, Govt. of India on the topic “Studies on microbial flora of Gangotri glacier and evaluation of their biotechnological prospects” at **National Botanical Research Institute (CSIR), Lucknow** since 2003 to May, 2006.

Academic Honour /Awards:

- Award for DST- Young Scientist of Department of Science and Technology, Govt. of India with the project on Gangotri Glacier as PI (INR 12.12Lakh).
- Award for Research Associate ship of Council of Scientific and Industrial Research, Govt. of India.
- Award for Senior Research Fellowship of Council of Scientific and Industrial Research, Govt. of India.
- “Best Research Presentation Medal” by The **Hon’ble Governor of U.P.** in 22nd Annual Session of the A.E.B. on 11-13 Sept. 2002, at National Bureau of Fish Genetic Resources, Lucknow, INDIA.

Popular articles in magazines / circulars

. Solid waste management. /**Science Reporter (NISCAIR)**/ June 2006/ Environment Special.

List of publications:

- **V.S. Baghel**, R.D. Tripathi, P.W. Ramteke, K. Gopal, S. Dwivedi, R.K. Jain, U.N. Rai, S.N. Singh (2005). Pshychrotrophic proteolytic bacteria from cold environment of gangotri glacier, Western Himalaya, India. *Enzyme and Microbial Technology* (USA), 36(5-6): 654-659.
- **Vinay Singh Baghel**, Krishna Gopal, Sanjay Dwivedi and R.D. Tripathi (2005). Bacterial indicators of faecal contamination in the runoff of Gangotri glacier, Western Himalaya, India. *Ecological Indicators* (USA) 5(1): 49-56.
- **Vinay Singh Baghel**, Jaswant Singh and Krishna Gopal (2003). Antimicrobial Resistance among enteric bacteria, isolated from runoff of the Gangotri glacier, Western Himalaya, India. *Journal Environmental Biology* 24(4): 349-356.
- S. Dwivedi, R.D. Tripathi, U.N. Rai, S. Srivastava, S. Mishra, M.K. Shukla, A.K. Gupta, S. Sinha, **V.S. Baghel** and D.K. Gupta (2006). Dominance of algae in Ganga water polluted through fly-ash leaching: Metal bioaccumulation potential by selected algal biomass. *Bulletin of Environmental Contamination and Toxicology* (USA) 77: 427-436.
- S. Dwivedi, P.K. Misra¹, R.D. Tripathi, U. N. Rai, **V.S. Baghel** and M.N. Srivastava (2005). Systematic and ecological studies on Chlorophyceae of North India and their relationship with water quality. *Journal of Environmental Biology* 26(2/3): 1-9.
- S. Srivastava, Seema Misra, S. Dwivedi, **V.S. Baghel** S. Verma, P.K. Tandon U.N. Rai and R.D. Tripathi (2005). Nickel Phytoremediation of broad bean *Vicia faba* L. and its Biochemical Responses. *Bulletin of Environmental Contamination & Toxicology* (USA) 74: 715-724.
- S. Dwivedi, P.K. Misra, U.N. Rai, R.D. Tripathi, M.R. Suseela, S. Shina, A. Pal, **V.S. Baghel** and C.P. Dwivedi (2004). Fresh water blue green algae from three agroclimatic zones of Uttar Pradesh, India: Distribution pattern with seasonal variation. *Journal of Environmental Biology* vol. 26(1): 21-30.
- U.N. Rai, S. Dwivedi, **V.S. Baghel** and R.D. Tripathi, O.P. Shukla and M.K. Shukla (2007). On morphology and cultural behaviour of *botryococcus protuberans* - With notes on the Genus. *Journal of Environmental Biology* 28(2):181-184.
- O.P. Shukla, U.N. Rai, N.K. Singh, Smita Dubey and V.S. Baghel (2007). Isolation and characterization of chromate resistant bacteria from tannery effluent. *J. Environ Biol.* 28(2):399-403.