

DR. SUBHASH CHANDRA TIWARI

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ACADEMIC QUALIFICATIONS:

S.No.	Degree	Institution	Year
1.	Ph.D.	North Eastern Hill University, Shillong	1988
2.	M.Sc.	Kanpur University, Kanpur	1983

Specialization:

Soil Science & Ethnobotany

RESEARCH PROJECTS COMPLETED:

S.No.	Title of the Project	PI/CO-PI	Name of Funding Agency	Amount (Rs.)
1.	Assessment and monitoring of soil degradation in humid tropics of Arunachal Pradesh using biological and biochemical techniques	PI	CSIR	5,00,000/=
2.	Evaluation and selection of efficient strains of <i>Frankia</i> for Seabuckthorn (<i>Hippophae</i> spp.) growing in eastern Himalayas	PI	DST	17,06,800/=
3.	Documentation, study and restoration of traditional dyes of Arunachal Pradesh and elucidating the structures of the colorants	PI	DBT	23,41,200/=

Additional Information Achievements:

DOCTORAL DISSERTATION SUPERVISED:

- Studies on microbial communities and their activities in degraded and undegraded forest soils of Arunachal Pradesh- S. Suresh Kumar Singh.
- Isolation, identification and characterization of *Frankia* strains associated with seabuckthorn (*Hippophae* sp.)- Mr. Hridip Kumar Sarma.
- Eco-biological studies of seabuckthorn symbiosis- Mr. Bipin Kumar Sharma.

- Natural dye yielding plant resources and indigenous knowledge systems of dye preparation associated with the ethnic tribes of Arunachal Pradesh- Mr. Debojit Mhanta
- Lichens as indicators of forest status in Achanakmar-Amarkantak Biosphere Reserve-(Arvind Prajapati)
- Extraction pattern of non timber forest products and its effect on regeneration of important tree species in Achanakmar-Amarkantak Biosphere-(Shabbir Ahmad Bhatt).

Additional Information / Achievements

- Visited University of Bodekultur, Vienna, Austria from September 2-6, 1991 to attend the 3rd ISRR conference on "*Root Ecology and its Practical Application*".
- Visited Institute of Agrophysics, Lublin, Poland during June 1- August 31, 2000 under the scientific collaborative programme of Indian National Science Academy, New Delhi and Polish Academy of Science, Warsaw.
- Visited Institute of Agrophysics, Lublin, Poland during June 9- August 8, 2003 under the framework of Indo-Polish Cooperation in Science & Technology
- Visited Institute of Botany, Jagiellnian University, Cracow during INSA visit to Poland.
- Visited Forest Research Institute, Department of Forest and Phytopathology, Warsaw during INSA visit to Poland.
- Visited Napier University and Edinburgh University, Edinburgh, UK during 18th Commonwealth Forestry Conference, 2010
- Visited La Rochelle University, France during ISEND Europe-2011

FELLOWSHIPS AWARDED

- Selected for Indo-polish Programme of Cooperation in science & Technology
- Nominated for INSA Exchange Programme
- SERC Fellowship of DST, Govt. of India

MEMBERSHIPS OF ACADEMIC SOCIETIES

- Indian Society of Soil Science, New Delhi, India
- Indian Society of Soil Biology & Ecology, Bangalore, India
- Indian Academy of Sciences, Bangalore, India
- Indian Society for Tree Scientists, Solan, India
- India Society of Tropical Forestry Scientists, Jabalpur
- International Society for Conservation of Natural Resources, Varanasi
- Biotech Research Society of India

PROFESSIONAL RECOGNITION

- Fellow of International Society for Conservation Natural Resources (FNRS), Varanasi.
- Fellow of Biotech Research Society (FBRS) of India

REFEREE/ REVIEWER OF INTERNATIONAL AND NATIONAL JOURNALS

- Reviewer of Current Science, Bangalore, India
- Reviewer of Indian Journal of Indigenous Knowledge System, New Delhi, India
- Reviewer of International Journal of Soil Science and Environmental Management
- Reviewer of International Journal of Plant Sciences

LIST OF 10 MAJOR SELECTED RESEARCH PAPERS

S. C. Tiwari, Thangjam Gopeshwor and Hridip K. Sarma. 2014. Occurance and Diversity of phenotypically distinct yeast strains isolated from starter cultures used in alcoholic fermentation by two ethnic tribes of Arunachal Pradesh. *International Journal of Biosciences*, 4 (1): 212-219.

Arvind Prajapati, S. C. Tiwari and D. K. Upreti. 2013. Diversity and Distribution of Epiphytic Lichens in Achanakmar Tiger Reserve, Chhattisgarh. *Indian Forester*, 139 (6): 538-542.

S.C.Tiwari and Arvind Prajapati, 2012. Enumeration of lichen species on some native and introduced species in Amarkantak forests. *Indian J.Tropical Biodiversity*, 20(1): 13-18.

Bhat S.A. and **Tiwari S.C.** 2011. Indigenous knowledge of communities of Achanakmar-Amarkantak Biosphere Reserve in utilization, conservation and sustainability of NTFP in India. *Indian Forester* 137:(11):1313-1320.

Padma S.Vankar, Rakhi Shankar, Shalini Dixit, Debajit Mahanta and **Tiwari, S.C.**2009 Chemical characterisation of extract derived from *Daphne papyracea* and sonicator dyeing of cotton, silk and wool with the extract. *Pigment and Resin Technology* (U.K.):38(3):181-187.

Padma S Vankar, Rakhi Shanker, Debajit Mahanta and **S.C.Tiwari**, 2008. Ecofriendly sonicator dyeing of cotton with *Rubia cordifolia* Linn. using biomordant. *Dyes and Pigments* (U.K.): 76:207-212.

Padma S.Vankar, Rakhi Shankar, Debajit Mahanta and **Tiwari, S.C.**2008.Sonicator dyeing of natural polymers with *Symplocos spicata* by metal chelation. *Fibres and Polymers* (Korea): 9(2): 121-127.

Brzezinska, M., **Tiwari, S.C.**, Stepniewska, Z., Nosalewicz, M., Bennicelli, R.P. and Samborska, A. 2006. Variation of enzyme activities, CO₂ evolution and redox potential in an Eutric Histosol irrigated with wastewater and tap water. *Biology & Fertility of Soils* (Germany): 43:131-135.

Tiwari,S.C., B.K.Tiwari and R.R. Mishra 1988. Enzyme activities in soils: Effect of leaching,

ignition, fumigation and autoclaving. *Soil Biology and Biochemistry* (U.K.) 20: 583-585.

Tiwari, S.C., B.K.Tiwari and R.R. Mishra 1987. The influence of moisture regimes on the population and activity of microorganisms. *Plant and Soil* (The Netherlands).101: 133-136.

Books Published

Microbial Diversity: Status and Potential Applications, Editors **S.C. Tiwari** and G.D.Sharma, Scientific Book Centre and Publishers, Guwahati, 2002, 235 pp.

Natural Resources' Conservation and Management for Mountain Development, Editors **S.C. Tiwari** and P.P.Dabral, International Book Distributors and Publishers, Dehra Dun, 2000, 604 pp.

Ethnoforestry: The Future of Indian Forestry, Editor **S.C.Tiwari**, Bishen Singh and mahendra Pal Singh Publisher, Dehra Dun, 2010, 524pp.