

Curriculum Vitae

NAME : Dr. ANIL KUMAR



TEACHING / RESEARCH EXPERIENCE (UG & PG Level) 34years

Area of Research Interest:

- i) Biodiversity conservation & sustainable management of various ecosystems
- ii) Studies on TEK (Traditional Ecological Knowledge)
- iii) Socioeconomic concepts and Village Ecosystem function.
- iv) Restoration of degraded waste lands.
- v) Inter disciplinary studies on forest/tribals/agro-ecosystem.

EDUCATIONAL QUALIFICATION:

Examination Passed	Name of University	Divn.	Year of Passing	Subject Studied
M.Sc.	Kanpur University, Kanpur (U.P.)	I	1982	Botany
Ph.D.	North Eastern Hill University, Shillong (Meghalaya)	Awarded	1988	Botany (Ecology)
PG Dip. in Environmental Law	National Law School of India University Bangalore	Awarded	2011	Environmental Law

TITLE OF Ph.D. : Studies on Ecological implication of varied land use patterns in the North Eastern Hill Regions of India.

SUPERVISOR: **Prof. P.S. Ramakrishnan, F.N.A.**, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi

FELLOWSHIPS:

- i) Junior Research Fellowship (2 year) (June 1984 to May 1986), Dept. of Environment & Forest, Government of India.
- ii) Senior Research Fellowship (June 1986 to April 1988), Dept. of Environment & Forest, Government of India.
- iii) Senior Research Fellowship (Nov. and Dec. 1988), Dept. of Science & Technology, Government of India.

PROJECT AWARDED / COMPLETED :

- i) "Socio - economic Study of Eucalyptus plantations in central & eastern U.P." from **Indian Council of Forestry Research and Education** Under World Bank aided project.
- ii) Ecological analysis of Natural Restoration Pattern of abandoned brick - kiln fields in Rae Bareli, U.P. from **University Grants Commission, New Delhi**.
- iii) Studies on soil attributes and microbial activity under varied landscape pattern of eucalyptus plantation in Raebareli district of U.P. from **University Grants Commission, New Delhi**.

Publications

1. Farmers' Perception about Eucalyptus Plantations and its implications in U.P. *Intl J. of Recent Scientific Research*. Vol.13(1), 2022 pp xx---xx
2. Sustainable Soil Management in Agroecosystems of India: A Review. *International Journal for Modern Trends in Science and Technology*. 7(11): 215-218.2021
3. Effect of Eucalyptus Plantation on bunds of Agricultural Fields on wheat and rice crops in Central U.P., India. *Intl. Journal of All Res. Edu. and Sci. Methods*, Vol.9 (11):1575-1580.2021
4. Studies on Energy Efficiency of Non-agricultural Subsystems (Animal Husbandry and Domestic) of two villages in sub-humid, dry Agroecological Zones of U.P. India. *International Journal of Creative Research Thoughts*. Vol.8(1): 200-205. 2021
5. Ecological studies on Energy flow studies through village agroecosystem affected with Eucalyptus Plantations in U.P. India. *International Journal of Research and Analytical Review*. Vol.8(1): 200-205. 2021
6. Earthworms (*Eutyphoeus orientalis*) Behavioral Response to Biopesticide (Quercetin/Azadirachtin) and Chemical Pesticide (Chlorpyrifos) (with Dr. Tuneera Bhadauria et.al.). Book: *Earthworms and Their Ecological Significance*. Nova Publishers, USA. (2021).....in Press
7. Wet Rice Cultivation cum fish culture by Apatani Tribe of Arunachal Pradesh. *Harnessing Nature*. Vol.2(2), 27-28. January, 2020. IUCN-CEM South Asia Publication.
8. Plantation with Exotics: A Green Compulsion. *Harnessing Nature*. Vol.2(3), 27-30. June, 2020. IUCN-CEM South Asia Publication.
9. Problem and Prospects of Climate Smart Agriculture in India. *Global Initiatives for Sustainable development: Issues & Strategies*. (Eds: Singh Rajbir et.al.), 7-16:2020
10. Floristic composition and Avian diversity of Wet Lands of Uttar Pradesh declared as Bird Sanctuary. *Scitech*, Vol. (10):2, 59-63 Dec.2015 (with Dr.Arvind Kr.Sharma and Rekha Sharma)
11. Biological warfare agents in modern World and terrorism. *ShodhBodh*, Vol.(9), June 2015 (with Dr.Arvind Kr.Sharma and Rekha Sharma).
12. Ecological analysis of natural restoration pattern of abandoned brick kiln fields of Raebareli district of U.P. *Recent Advances in Material Science*. (Eds:S.Srivastava)471-474, (2011). Research India Press. New Delhi.
13. Floristic diversity of Samaspur Lake system in Rae Bareli district of U.P. : An Ecological Assessment *Environment Pollution & Management* (Eds : P.C. Trivedi) University of Rajasthan, Avishkar Publication, Jaipur - 214 - 228 : 2004
14. Studies on Eucalyptus Plantations under the farm forestry and agroforestry systems of UP in northern India. *Forest, Trees and Livelihood*, 13 : 313 - 330, 2003.
15. Traditional water harvesting techniques practiced by Apatani tribe of Arunachal Pradesh - Eastern Himalaya. *Dying Wisdom*. (ed. Anil Agarwal & Sunita Narain) Centre for Science & Environment, 50 - 53 (1997).
16. Human Ecological approach for environment conservation in developing countries. *Human Health & Environment* (eds. Sinha et. al.) Ashish Publishing House. New Delhi. 297 - 306, 1997.
17. Valley Cultivation : In Harmony with the Nature. Contributed article to ILIEA, Netherland 11(2): 34, 1995
18. Energy flow through an Apatani Village ecosystem in Arunachal Pradesh in north - east India. *Human Ecology*, 18, 223-256:1990.

19. Village ecosystem function of the tribal societies in north eastern India with special reference to Hill Miris of Arunachal Pradesh. **Perspectives in Ecology**, (eds. J.S. Singh & Brij Gopal), 353 – 276:1989.

20. Ecological implications of some cash crop ecosystems in the north eastern India, **Proc. Indian Acad. of Science (Plant Science)**, 211-222 :1989.

Books Published:

- **Human Health & Environment** (Eds: with Dr. A.K. Sinha) Ashish Publishing House, New Delhi. 1997.
- **Botany for Degree students: Pteridophyta** by V.R.Vashisht , Sinha and Kumar,2012
- **Botany for Degree students: Gymnosperm** by V.R.Vashisht , Sinha and Kumar,2012
- **Botany for Degree students: Fungi.** by V.R.Vashisht, Sinha and Kumar,2016

Abstract Published/Accepted :

In Foreign:-

- i) Forest Resource Conservation strategies & Apatani Tribes of Arunachal Pradesh in north-east India. International Conference on **Conservation of Tropical Biodiversity: In Harmony with Nature**, June 12-16, 1990. Malayan Nature Society, Kuala Lumpur, Malaysia.
- ii) Management and Ecology of Wet rice cultivation of Apatanis in North-East India. VIIIth World Congress **Water for Sustainable Development in 21st Century**, May 13-18, 1991, Rabat, Morocco.
- iii) Tribals life and their association with forests in North-East India, an ecological analysis. V International Conference of the **Society for Human Ecology**, Aug., 1991. Gothenburg University, Gothenburg.

In India

- i) Rural Ecology & Forest dependency of hill Miri tribe of Arunachal Pradesh in north-eastern India, pp 17-18. Abstract volume. **Natural Resource utilization & Environmental Appraisal**, Dec. 23-25, 1989. Deptt. of Geology, Ravishankar University, Raipur (M.P.)
- ii) Village ecosystem function of Apatani tribe of Arunachal Pradesh in north-east India. Abstract Volume **Environment & its Conservation** Dec. 29-31, 1989. Deptt. of P.G. Studies & Research in Zoology, Abdul Hakeem College Melvisharam (T.N.)
- iii) Ecological & economic efficiencies & nutrient flow of plantation/cash crops in north-eastern hill region of India. Abstract volume, **Environmental studies for sustainable Development**, Jan. 23-25, 1990. Deptt. of Environmental Science, P.S.G. College of Arts & Science, Coimbatore (T.N.)
- iv) Traditional water harvesting techniques practiced by Apatani tribe of Arunachal Pradesh. Abstract volume **Traditional water harvesting systems of India**. India International Centre, New Delhi Oct. 9-11, 1990.
- v) Human Ecological approach for Environment Conservation in Developing Countries. Abstract volume 'SAARC Countries Conference of Environment Management in Developing Countries" Feb 23-24, 1991. Feroze Gandhi College, Rae Bareli (U.P.)

Conferences attended :

1. SCOPE INTERNATIONAL Workshop on **Ecology of Biological Invasion in the Tropics**, Sept. 18-20, 1989, at Nainital club, Nainital, Organised by G.B. Pant Institute of Himalayan Environ. & Develop., Almora.
2. All India Seminar on **Natural Resource Utilization & Environmental Appraisal**, Dec. 23-25, 1989. Deptt. of Geology, Ravishankar University, Raipur (M.P.)
3. **Traditional Water Harvesting Systems of India** Oct. 9-11, 1990 at India International Centre, New Delhi, Organised by Center for Science and Environment, New Delhi.
4. SAARC Countries Conference on **Environment Management in Developing Countries**, Feb. 23-24, 1991 at Feroze Gandhi College, Rae Bareli.
5. **Paper Reviewer:**
 1. PLOS One Journals
 2. Indian Journal of Traditional Knowledge

ADDITIONAL ACTIVITIES (NGO EXPERIENCE):

- ❖ Worked with **Centre for Science and Environment** during 1997 for two projects for State of Environment Report.
- ❖ Engaged in **Natural Resource Conservation and Management** in Bargarh area of Chitrakoor in association with Rain Drop organization, France and Sarvodya Sewashram , Bargarh.
- ❖ IUCN member of Commission on Ecosystem Management (2017-2020).

References :

- i) Prof. K.G.Saxena
School of Environmental Sciences, J.N.U. New Delhi.
- ii) Prof. K.S. Rao, Dean
Department of Botany, Delhi University, Delhi
- lii) Dr. Ram Boojh, CEO,
Mobius Foundation (University of Bradford). NEW DELHI

NATIONALITY : Indian
PRESENT POSITION : **Professor and Head,(Retd)**
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