


CURRICULUM VITAE (IN BREIF)

DR. SUNIL KUMAR

Father's Name	Shri Harpal Singh	
Date of Birth	1st August, 1969	
Sex	Male	
Nationality	India	
Marital Status	Married	
Designation	Associate Professor	
Contact Address	Department of Zoology D. A. V. (P. G.) College Dehradun-248001 (India)	
University Affiliation	H. N. B. Garhwal University Srinagar	
Residence Address	19- Kanan Kunj Sahastradhara Road, Dehradun-248001	
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ACADEMIC RECORD

Examination	University	Year	%	Division
B.Sc. (Biology)	Rohilkhand University, Bareilly	1987	64	1 st
M.Sc. (Zoology)	Meerut University, Meerut	1989	68	1 st
M.Phil (Zoology)	Meerut University, Meerut	1990	68	1 st
Ph.D.	Ch. C. S. University, Meerut	1995		

Qualified CSIR - NET/ JRF conducted by C S I R New Delhi - 1990.

Research specialization : Environmental Toxicology

M. Sc. specialization : Endocrinology

Title of Ph. D. Thesis	:Toxicological Studies on a Few Industrial Solvents
Research Guide	: Professor S. V. S. Rana
Research and Teaching Experience	: 28 Years
Publications	: 60
Research Projects Completed/in Progress:	7
Ph. D. Supervised / Registered	: 9
International Scientific Visits	: 8
Books Authored/ Edited	: 6
Conference Symposia Organized	: 4
Member organizing committee	: National - 8, International - 1
Paper presented in Conference Symposia	: 88
	: International -12, National and State - 76
M. Sc. Projects Supervised	: 32

Membership of Scientific Societies:

- Fellow Zoological Society of India.
- Fellow, Foundation of Natural Science & Culture.
- Life Member, Society of Toxicology India.
- Life Member, Indian Immunology Society.
- Life Member, Indian Society of Remote Sensing.
- Life Member, Indian Science Congress Association.
- Life Member, Academy of Environmental Biology.
- Honorary Member, V. C. P. Cancer Research Council.

ACADEMIC AWARDS AND ACHIEVEMENTS:

- 2nd rank in National level e- Poster and Slogan Writing Competition on “Covid -19 Pandemic: Creating Safety Zone”. Organized by Department of Zoology and IQAC of Balwant College, Vita, Maharashtra- 2020.
- Appreciation Award, 11th National Conference of Medical Arthropodology on Vector - Borne and Zoonotic Diseases – 2018.
- Appreciation Award, National Seminar on Environmental Health vis-à-vis Human Welfare in Present Scenario, EHHW- 2016.
- 3rd World Biodiversity Congress, WBC Award - 2015, Mokra Gora Serbia.
- Biodiversity Conservation Award, Foundation of Natural Science and Culture - 2015.
- Paryavaran Chetna Award, National Seminar on Hindi Sahitya and Paryavaran Chetna, Dehradun - 2014.
- Appreciation Award, National Seminar on New Innovation in Parasitological Research - 2011.

- NATCON Environmental Toxicology Award- 2008.
- Young Scientist Award, Bioved Research Society Allahabad - 2002.
- Biotechnology National Associate Award, Department of Biotechnology, Ministry of Science and Technology, New Delhi - 1999.
- NET Senior Research Fellow, Council of Scientific and Ind. Res., New Delhi - 1992.
- Selected for International Geosphere Biosphere Program, CSIR, New Delhi-1991

RESEARCH WORK/PROJECTS COMPLETED/IN PROGRESS:

- Monitoring of solar UV - erythemal radiation and detection of UV sensitive fishes in Uttarakhand Himalayan region, University Grants Commission, New Delhi - 2015.
- Phototoxicological studies on hill stream fishes of Uttarakhand with solar ultraviolet radiation, University Grants Commission, New Delhi - 2009.
- Biological impact of ozone depletion in Garhwal region, Uttarakhand State Council for Science and Technology, Dehradun - 2007.
- Effect of glutathione and herbal drug administration on toxicity of benzene, toluene and carbon tetra chloride in rats. University Grants Commission, New Delhi - 2003.
- Forest cover type mapping, digital image processing through remote sensing in Lachhiwala forest area, Dehradun, using ILWIS and BIOCAP Software. Indian Institute of Remote Sensing NRSA, Dehradun – 2001.
- Immunotoxicology and vaccinology of anti- hCG birth control vaccine. Department of Biotechnology, New Delhi - 1999.
- Laboratory investigation on pulmonary toxicity of selected industrial solvents. University Grants Commission, New Delhi -1997.

RESEARCH TRAINING ACTIVITIES PERFORMED:

Department of Biotechnology, Indian Institute of Technology, Roorkee - 2011. Genomic DNA Isolation, sequencing and characterization. State Biotechnology Department, Government of Uttarakhand.

Department of Bio-Technology, G. B. Pant University of Agriculture Science and Technology - 2007. Immunohistochemistry, ELISA, Animal cell Culture, SDS PAGE, Electrophoresis, DNA Isolation, western blotting, AGPT, Vaccine Development.

Indian Institute of Entrepreneurship Dehradun - 2006. Faculty Development Training Program for Entrepreneurship, Ministry of Small Scale Industries, Government of India.

Indian Institute of Remote Sensing NRSA, Dehradun - 2001. Under NNRMS course in Remote Sensing and GIS for Forestry and Ecology. Performed the forest cover type mapping, digital image processing through remote sensing in Lachhiwala forest area, Dehradun. Used ILWIS, BIOCAP, Microsoft Excel.

National Institute of Immunology (NII), New Delhi - 1999. Immunotoxicology and vaccinology of Anti-hCG contraceptive vaccine with the objective to investigate bio-neutralization capacity of anti-hCG anti-bodies. Enzyme, Hormone Assay, Radio immuno assay, Radio Receptor Assay, ELISA, Blood Cell Culture.

All India Institute of Medical Sciences (AIIMS), New Delhi - 1998. Training of Electron microscopy and flow cytometry under International Workshop on Flow Cytometry and Silver Jubilee Conference of Indian Immunology Society.

Institute of Toxicology Research, Lucknow - 1991. Under International Geosphere Biosphere Programme of CSIR, studied the biomedical aspect of ozone depletion, Performed photohemolysis, membrane damaging parameters, enzyme assay, lipid peroxidation, oxidative radicals and phototoxicity of drugs and chemicals.

Online Faculty Development Programme on “Life with Covid- 19: Roadmap for Self-Reliant Bharat”. Organized by Department of Political Science & Pt. Deen Dayal Upadhyay Shodh Peeth, C. C. S. University, Meerut (U.P.), May 25- June 8, 2020.

Online Training Course on “Bee Keeping”. Organized by PG and Research Department of Zoology, Khadir Mohideen College, Tamilnadu, May 19 -23, 2020.

Short Term Course on “Secrets of Human Psychology & Mental Health “. Organized by Samnyva: The Information Management System & Right Solution Consultancy, July 25 - 31, 2020.

TITLE OF Ph. D. SUPERVISED/ REGISTERED:

- Influence of ethanol and glutathione against benzene, toluene and xylene induced toxicity.
- Antioxidative role of certain herbs against carbon tetrachloride and ethanol induced toxicity in rats.
- Studies on herbal anthelmintics as an alternative drug for host and parasite.
- Biochemical enzymological studies on erythrocyte membrane after exposure to photosensitizers.
- Photobiological studies on fish *Barilius bendelisis* in presence of selected photosensitizers.
- Studies on enhanced ultraviolet radiation on ecosystem productivity of Asan barrage at Dehradun Uttarakhand.
- Phototoxicological studies on selected hill stream fishes with retene photosensitizer.
- Effect of UV radiation, temperature and photosensitizer on biology of *Barilius bendelisis* (Ham).
- Phototoxicological studies on selected photosensitizers and their impact on some plant aphids from different altitudes.

BROAD AREA OF RESEARCH:

Drug and chemical toxicity testing and chemical interaction, Antioxidative mechanisms, Biochemical, Histopathological, Enzymological studies, Herbal antioxidants, Biochemical toxicology, Solar Ultraviolet Radiation Monitoring, Phototoxicity and Photobiology, Ozone Depletion and Climate Change, Mountain, Hill Stream Aquatic Biodiversity, Biodiversity Conservation and Natural Resource Management.

EDITORIAL EXPERIENCE:

Book Authored : Photosensitivity in Hill Stream Fishes, ABS Books, New Delhi - 2019.
Interaction of Antioxidative Herbs with Chemicals, Lap Lambert

Academic Publication, Germany, ISBN: 978-3-659-76102-7, 2015. Environmental Studies, Text Book, Kedarnath Ramnat Meerut, 2009. Environmental Sciences, Text Book, ABS Books, New Delhi, ISBN: 978-93-86088, 2017.

Book Edited : Environmental Health, ABS Books, New Delhi - 2017.

ISBN: 978-93-86088-15-4.

Water Pollution and Management, Biotech Books –Delhi-2011

ISBN: 978-81-7622-227-3.

Executive Editor : Journal of Sustainable Environmental Research, I.S.S.N. 2278-196X.

Scientific Talks on All India Radio & T.V.: 21 (Hindi)

Integrated Pest Management, Immunity and Immunization Programme, Medicine and Teleconferencing, Industrial Pollution, AIDS Treatment and Current Scenerio, Biotechnology, Ozone Depletion and Himalyan Region. Environmental Pollution and Role of People, Environment and Biodiversity, Stem cell and Medical science, Genetic Engineering and Treatment of Disease, Biodiversity conservation and Natural disasters in Uttarakhand. Biodiversity of Uttarakhand.

Refresher/ Orientation Course Attended and Lecture delivered: 11

C. C. S. University Meerut - 1995, Kurkshetra University kurukshetra - 2001, Academic, Staff College University of Allahabad - 2001, Punjab University Chandigarh - 2002. Bundelkhand University Jhansi - 2011, Kumaun University Nainital – 2013, M D University Rohtak.

Administrative Experience:

Co-ordinator, I G N O U LSC - 2705 Dehradun

Convener, Environmental Science. Convener, B. Sc., B. A. Admission Committee.

Additional Chief Proctor & N S S Programme Officer - 6 years.

Member, NAAC Steering Committee of college.

Counsellor Indra Gandhi National Open University, Study Centre 2705, Dehradun.

Member, Board of Directors, Teachers Credit Co-operative Society, Dehradun.

Appointed as Zonal Magistrate in Panchayat General Election-2014, Dehradun.

Vice- President Teacher's Association. Expert Member Selection Committee for Assistant Professor.

International Scientific Visits:

Visited to I ICBE, London, UK - 2016, Institute of Nature Conservator Belgrade, Serbia - 2015,

University Technology Mara, Malaysia - 2013, Griffith University, Queensland, Brisbane Australia-2011, Singapore National University Singapore, University of Mauritius - 2010, Sarawak Biodiversity Centre Kuching, Kuala Lumpur Malaysia - 2008, University of Chiang Mai, Thailand -2007, regarding research and academic activities.

Chairman of the Scientific Session:

AABES-2016, IICBE, London, U. K., World Biodiversity Congress - 2015 Mokra Gora, Serbia. Global Summit on Medicinal and Aromatic Plants - 2013 Miri, Malaysia. International Congress of Environmental Research - 2010, Mauritius. NIPR - 2011, 5th GOSMAP - 2008 Kuching, Malaysia.

Nature of duties:

University college teaching, counseling, guiding and conducting research, Visiting Professor, Organization of workshop, seminar, conference, training courses, Environment management. Interaction and collaboration with National and International academic & research organizations

References:

Professor S. V. S. Rana, C. C. S. University Meerut, Former V. C., B. University Jhansi.

Dr. Om Singh, Chief Scientist, NII, National Institute of Immunology - New Delhi.

List of Publications: Please See Annexure - 1

Place:

Signature