

BIO-DATA - Dr. Nitin Kamboj



Name : **Dr. Nitin Kamboj**
Designation : Assistant Professor
Department : Zoology and Environmental Sciences
Present address : Gurukula Kangri University, Haridwar-249 404
(Uttarakhand), India.
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Education Qualifications

Ph. D. : 2011 in Environmental Sciences from Gurukula Kangri University, Haridwar (Uttarakhand).
"Environmental Impact Evaluation of Torrents with Special Reference to Sabhawala Watershed in Doon Valley (Uttarakhand)."
UGC- NET : 2003 in Environmental Sciences
M. Sc. : 2001 in Environmental Sciences from Gurukula Kangri University, Haridwar (Uttarakhand).
B. Sc. : 1999 in Environment & Water Management from H.N.B. Garhwal University, Srinagar-Garhwal (Uttarakhand).

Teaching Experiences

Ph.D. Classes	:	4 Years
Post Graduate Classes	:	9 Years
Under Graduate Classes	:	9Years
Research Experience	:	12 Years

Research Areas:

- Studies in All Environmental Aspects.
- Environmental Impact Assessments
- Sustainable Natural Resources Management
- Environmental Watershed Management

Research Papers Published in Journals	:	12	(Annexure 1)
Research Papers Presented in Conferences	:	19	(Annexure 3)
Workshops/ Training Programs Attended	:	13	(Annexure 4)
Book Chapter's Publications	:	03	
List of Seminar Publications	:	03	

Academic Courses

General Orientation Course	:	Academic Staff College, Shimla University, Shimla
Refresher Course	:	1. Academic Staff College, Punjabi University, Patiala (2010) 2. Academic Staff College, Sant Gadge Baba Amravati University, Amravati (2014)

Foreign Visit	:	Mauritius to Attend an International Congress of Environmental Research, Reduit University of Mauritius during 11- 18 September, 2010.
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Research Guidance

M. Sc. Dissertations	:	08 (Annexure 5)
Ph.D. Registration	:	01 Candidate

Topic "Seasonal Variations in the Physico-chemical and Bacteriological Characteristics of Ganga Canal Water at District Haridwar, Uttarakhand, India."

Associate Editor : Journal of Sustainable Environment Research

Life Member and Member of the Societies

- Life Member of Human Welfare Societies.
- Life Member of Swami Vivekananda Educational Trust.
- Life Member of Applied and Natural Science Foundation.
- Life Member of Indian Association of Soil and Water Conservationists.
- Life Member of Environmental Conservation Journal.
- Life Member Foundation of Natural Science and Culture.

Field Experience

JRF - 1Year Field Work Experience in Wild Life Institute of India, Dehradun.

SRF - 2 Year and 6 Months Field Work Experience in CSWCR&TI - (ICAR) Kaulagarh Road, Dehradun.

Others Achievements

As NSS PROGRAMME OFFICER

- Organized ten days camp of students at Gurukula Kangri village, Haridwar as NSS Programme Officer.
- Organized one day camp of students at Gurukula Kangri village, Haridwar as NSS Programme Officer.
- Indian Medical Association awarded an appreciation letter in recognition of the outstanding voluntary services in the field of blood donation, blood group testing, nation building and community services.

As NCC OFFICER

- Organized one day camp and other activity camps of students in Haridwar as NCC Officer.
- Organized various voluntary blood donation camps as a representative of Gurukula Kangri University with Uttarakhand State AIDS Control Society and Directorate, Medical Health & Family Welfare, Uttarakhand.

SESSIONS CHAIRED

- Chaired the session of International Congress of Environmental Research (ICER-10) as a coordinator during 16-18 September, 2010 organized by University of Mauritius in collaboration with the Journal of Environmental Research and Development in Reduit, Mauritius.
- Chaired the session in 4th National Conference on Modern Trends & Directions of Physical Education & Sports organized by Department of Physical Education & Sport, Gurukula Kangri University, Haridwar (Uttarakhand) during 9-10 December, 2010.
- Co-Chaired the session in 5th National Conference on present innovative & new paradigm in physical Educational organized by Department of Physical Education & Sport, Gurukula Kangri University, Haridwar (Uttarakhand) during 29th August , 2014.
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INVITED LECTURES

- Invited speaker in Training Programme on Advanced Experimentations organized by Department of Pharmaceutical Sciences Faculty of Medical Sciences & Health Gurukula Kangri University, Haridwar (Uttarakhand) during June 20-30 2014.

Member of Different Committees

- As organizing secretary organized an International Conference of World Congress for Man and Nature “Global Climate & Biodiversity Conservation in the Department of Zoology and Environmental Sciences, Gurukula Kangri University, Haridwar (Uttarakhand) during 11-13 November, 2011.
- As a member organized National Conference on Status of Environment and Biodiversity: RIO + 20 and Role of Space Organized in the Department of Zoology and Environmental Sciences, Gurukula Kangri University, Haridwar (Uttarakhand) during 02-03 November, 2012.

Election Duties

- Successfully completed three MLC election (voting duty and counting duty) duties as Presiding Officer. Active Member of Local Committee's of different universities such as sports selection, election and admission etc.
- Practical Examinee.

Annexure 1: List of Research Paper Published (12 Nos.)

1. **Kamboj, N.**, Malik, D.S., Bharti, P.K. and Yadav, R. (2007). Quantification of Heavy Metals Migration in Ground Water Regime Due to Discharge of Textile Industrial Effluents in Panipat Area, Haryana. *Pollution Research*, 26(4): 123-125.
2. **Kamboj, N.**, Chopra, A.K., Malik, D.S. and Juyal, G.P. (2010). Watershed Characteristics of Shiwalik Torrents at Sabhawala in Doon Valley. *Environment Conservation*, 11(1&2): 115-118.
3. **Kamboj, N.** (2010). Effects of Vegetative Barriers for Channelization of Shiwalik Torrent at Sabhawala in Doon Valley. *Environment Conservation*, 11(3): 99-102.
4. **Kamboj, N.** (2010). Seasonal Hill River Problems and Their Bio-Engineering Remedial Measures in Shiwalik Himalayas. *Environment Conservation*, 11(3): 171-176.
5. **Kamboj, N.** (2011). A Study on Planktonic Components of River Yamuna. *Environmental Conservation*, 12(1&2): 49-51.
6. **Kamboj, N.**, Pandey, A., Shoaib, M. and Kumar, R. (2012). Environmental Impact Assessment of Illegal Ganga Mining at Kangri Village, District Haridwar (Uttarakhand) India. *Sustainable Environmental Research*, 1: 67-71.
7. **Kamboj, N.** (2012). Evaluation of Some Water Quality Parameters of River Ganga during Kanwer Mela-2011 at Haridwar, India. *Sustainable Environmental Research*, 1(2): 125-128.
8. **Kamboj, N.** (2012). Physico-chemical and Metallic Contamination Analysis of Underground Water in SIDCUL Industrial Area, District Haridwar (U.K.), India. *Sustainable Environmental Research*, 1(2): 211-216.
9. **Kamboj, N.**, Singh, J., Pandey, C.P. and Aswal, R.S. (2013). Physico-chemical Parameters of Industrial and Domestic Wastes at SIDCUL Area, Haridwar (Uttarakhand). *Sustainable Environmental Research*, 2(1): 125-131.

10. **Kamboj, N.**, Kumar, R. and Aswal, R.S. (2013). Impact Assessment of Road Development Project on Flora and Fauna Recorded from Narshan to Dehradun (Uttarakhand) India. *Environment Conservation*, 14(1&2): 81-86.
11. **Kamboj, N.**, Choudhary, M. (2013). Impact of Solid Waste Disposal on Ground Water Quality near Gazipur Dumping Site, Delhi, India. *Applied and Natural Science*, 5(2): 306-312.
12. **Kamboj, N.** and Choudhary, M. and Paul Chinmoy (2014). Potable water is a serious Environmental issue: A special study on Umiam area, of RI-Bhoi District, Meghalaya, India. *International Research Journal of Environmental Sciences*, 3(9): 37-42.

Annexure 3: List of Research Papers Presented in Local, National and International Conferences/ Seminars (14 Nos.)

1. Paper entitled “Current Status of Jatropha Plantation and Its Applications” presented in National Seminar on Medicinal Plants: Conservation, Cultivation and Utilization II organized by Department of Zoology and Environmental Sciences, Gurukula Kangri University, Haridwar (Uttarakhand) during 09-11 March, 2007.
2. Paper entitled “Impact of Climate Change on Biodiversity” presented in National Symposium on Impact of Trends in Climate Change on Bio-diversity and Faunistic Systems organized by Department of Zoology and Environmental Sciences, Gurukula Kangri University, Haridwar (Uttarakhand) during 19-20 February, 2010.
3. Paper entitled “Impact Assessment of Torrential Hazards in Relation to Bio-engineering Remedial Measures at Sabhawala Watershed in Shiwalik Himalaya (India)” presented in International Congress of Environmental Research organized by University of Mauritius in collaboration with the Journal of Environmental Research and Development in Reduit, Mauritius during 16-18 September, 2010.
4. Paper entitled “Evaluation of Different Torrent Remedial Measures at Sabhawala Watershed in Shiwalik Himalaya (India)” presented in 5th Uttarakhand State Science and Technology Congress organized by Uttarakhand Council for Science

- and Technology (UCOST), Dehradun in association with Doon University, Dehradun (Uttarakhand) during 10-12 November, 2010.
5. Paper entitled “Sustainable Development of Tourism in the Himalayan State Uttarakhand” presented in 4th National Conference on Modern Trends & Directions of Physical Education & Sport organized by Department of Physical Education & Sports, Gurukula Kangri University, Haridwar (Uttarakhand) during 09-10 December, 2010.
 6. Paper entitled “Some Vegetative Methods as a Nature’s Free Tool for Controlling Soil Erosion Leading to Floods” presented in National Seminar on Environmental Management and Biodiversity Conservation organized by Omkaranand Institute of Management & Technology, Rishikesh (Uttarakhand) during 26-27 February, 2011.
 7. Paper entitled “Abstract No. 95” presented in National Seminar on New Innovations in Parasitological Research and Prof. S.S. Lal Felicitation Symposium organized by Department of Zoology, D.A.V. (P.G.) College, Dehradun (Uttarakhand) during 29-30 March, 2011.
 8. Paper entitled “Soil Erosion as a Serious Threat to Degrade the Land Resources and Its Management” presented in International Conference on World Congress for Man and Nature: Global Climate & Biodiversity Conservation organized by Department of Zoology and Environmental Sciences, Gurukula Kangri University, Haridwar (Uttarakhand) during 11-13 November, 2011.
 9. Paper entitled “Ground Water Contamination due to Municipal Solid Waste Disposal in Delhi, India” presented in International Conference on Green Technology for Environmental Rehabilitation (GTER-2012) organized by Faculty of Engineering & Technology, Gurukula Kangri University, Haridwar (Uttarakhand) during 11-13 February, 2012.
 10. Paper entitled “The Relation between Sport and Ecological Environment” presented in International Conference on Global Innovation, Strategies & Policies in Physical Education & Sport Sciences organized by Department of Physical Education & Sports, Gurukula Kangri University, Haridwar (Uttarakhand) during 24-26 February, 2012.

11. Paper entitled “Unsustainable River Bed Material Mining and Its EIA on Ganga at Kangri Village District Haridwar (Uttarakhand), India” presented in National Conference on Status of Environment and Biodiversity: RIO + 20 and Role of Space Technology organized by Department of Zoology and Environmental Sciences, Gurukula Kangri University, Haridwar (Uttarakhand) during 02-03 November, 2012.
12. Paper entitled “Road Widening and Its EIA on Flora and Fauna Recorded from Narshan to Dehradun” presented in 7th Uttarakhand State Science and Technology Congress organized by Uttarakhand Council for Science and Technology (UCOST), Dehradun in association with Graphic Era University, Dehradun, (Uttarakhand) during 21-23 November, 2012.
13. Paper entitled “Assessment of Physico-chemical Parameters of Industrial and Domestic Wastes at SIDCUL Region, Haridwar” presented in National Conference on Emerging Trends in Engineering and Sciences (ETES-2013) organized by Department of Mechanical Engineering, Faculty of Engineering and Technology, Gurukula Kangri University, Haridwar (Uttarakhand) during 09-10 November, 2013.
14. Paper entitled “Study of Physiological Characteristics of Ranipur Rao Watershed, Haridwar (Uttarakhand) and Controlling Measures” presented in 8th Uttarakhand State Science and Technology Congress organized by Uttarakhand Council for Science and Technology (UCOST), Dehradun in association with Uttarakhand Technical University, Dehradun and Doon University, Dehradun (Uttarakhand) during 26-28 December, 2013.
15. Paper entitled “Current Status of Shivalik Himalayan Watershed Ranipur Torrent” presented in National Symposium in “Innovations on Science and Technology for Inclusive Development” organized by Haridwar Chapter of the Indian Science Congress Association on February 16, 2014.
16. Paper entitled “A Study of Ranipur Rao affected Watershed by Seasonal Hill River and its Remedial Measures” presented in “National conference on recent advances in biosciences and drug discovery” organized by Department of Pharmaceutical Sciences, Faculty of Ayurved and Medical Sciences, Gurukula Kangri University, Haridwar (Uttarakhand) during 03-04 March, 2014.

17. Paper entitled “ A comparative study between the outdoor exercise and Gym Exercise” presented in 5th National Conference on present innovative & new paradigm in physical Education & Sport Sciences organized by Department of Physical Education & Sports, Gurukula Kangri University, Haridwar (Uttarakhand) during 29 th August 2014.
18. Paper entitled “Characterization of SIDCUL effluents in Ranipur Rao Haridwar, (UK)” presented in Regional Symposium on Technovation for Inclusive Human Development organized by Department of Mechanical Engineering, Faculty of Engineering and Technology, Gurukula Kangri University, Haridwar (Uttarakhand) during October 12, 2014.

Annexure 4: List of Workshops/ Training Programmes Attended .

- 1 Attended National Environmental Awareness Workshop on “Solid Waste Management” sponsored by DST-FIST & UGC-SAP and organized by Department of Zoology and Environmental Sciences, Gurukula Kangri University, Haridwar (Uttarakhand) on 10 April, 2007.
- 2 Attended One Day Workshop on “Untrained NSS Programme Officers Training Workshop” organized by Gurukula Kangri University, Haridwar (Uttarakhand) on 21 September, 2008.
- 3 Attended One Week Training Programme on “Fruits and Vegetables Conservation and Preservation” organized by Centre for Technology and Development (A Society for Economic and Social Studies, New Delhi), Field Station (UCOST-TRC), Sahaspur (Dehradun) during 13-19 October, 2008.
- 4 Attended One Day Workshop on “Untrained NSS Programme Officers Training” organized by Uttarakhand Sanskrit University, Haridwar and Gurukula Sanskrit Mahavidyalaya, Haridwar (Uttarakhand) on 20 August, 2009.
- 5 Attended One Day Workshop on “Voluntary Blood Donation” organized by Uttarakhand State AIDS Control Society and Directorate, Medical Health & Family Welfare, Uttarakhand on 10 September, 2009.

- 6** Attended One Day Training Camp on Haridwar Kumbh Mela-2010 organized by Sanskrit Dev University, Uttarakhand on 20 December, 2009.
- 7** Attended One Day Workshop on “Blood Donor motivation programme” organized by Uttarakhand State AIDS Control Society and Directorate, Medical Health & Family Welfare, Uttarakhand at center point hotel Rookie 21th December 2010
- 8** Attended National Workshop on “Biodiversity: Measurement, Assessment and Conservation” sponsored by University Grant Commission, New Delhi held at Maharishi Dayanand College, Sri Ganganagar (Haryana) during 21-23 February, 2012.
- 9** Attended National Workshop on “Taxonomic Keys and Identification Tools for Different Groups of Flora and Fauna” sponsored by Uttarakhand State Council for Science and Technology (UCOST), Dehradun and organized by Department of Zoology and Environmental Sciences, Gurukula Kangri University, Haridwar (Uttarakhand) during 29 October-03 November, 2012.
- 10** Attended Regional Training Workshop on “Factoring Environmental Flows into Integrated Water Resources Management” organized by National Institute of Ecology, New Delhi jointly with Central Inland Fisheries Research Institute (ICAR), Barrackpore and supported by Cap-Net, Pretoria in Department of Zoology and Environmental Sciences, Gurukula Kangri University, Haridwar (Uttarakhand) during 06-11 December, 2012.
- 11** Attended National Workshop on “Recent Trends in Atmospheric and Environmental Sciences” organized by Department of Physics in collaboration with Department of Zoology and Environmental Sciences, Gurukula Kangri University, Haridwar (Uttarakhand) during 4-5 April, 2014.
- 12** Attended Workshop on “ APPLICATION OF REMOTE SENSING AND GIS IN WATER RESOURCES MANAGEMENT” sponsored by Uttarakhand State Council for Science and Technology (UCOST) & DOON UNIVERSITY, Dehradun and organized by Uttarakhand Space Application Center (USAC), Dehradun, 4 -5 June 2014.

13 Attended a Training Programme on “Advanced Experimentations” organized by Department of Pharmaceuticals Sciences Faculty of Medical Sciences & Health Gurukula Kangri University, Haridwar (Uttarakhand) during June 20-30 2014.

Book Chapter’s Published (03 Nos.)

1. Water Pollution and Management (2012) edited chapter entitled “Watershed Management through Bioengineering Measures of Torrent at Doon Valley, Shiwalik Himalaya” published by Biotech Books, New Delhi, ISBN 978-81-7622-227-3: 298-230.
2. Biodiversity Conservation and Environment Management (2012) edited chapter entitled “Some Vegetative Methods as a Nature’s Tool for Controlling Soil Erosion Leading to Floods” published by Biotech Books, New Delhi, ISBN 978-81-7622-262-4: 191-198.
3. Environment Management (2013) edited chapter entitled “Soil Erosion: A Serious Threat to Degrade the Land Resources and Its Management” published by Daya Publishing House, New Delhi, , ISBN 978-81-7035-822-0: 161-165.

List of Seminar Proceedings Published

1. **Kamboj, N.**, Chopra, A.K. and Malik, D.S. (2008): An Overview of Jatropha Plantation and Its Applications in Multiple Application of Drug Plants, Daya Publishing House, New Delhi: 295-299.
2. **Kamboj, N.** (2012): Soil Erosion: A Serious Threat to Degrade the Land Resources and Its Management in Biodiversity Conservation and Environment Management Biotech Books Publishing Housing, ISBN 9788176222624: 161-165.
3. **Kamboj, N.** (2012): Some Vegetative Methods as a Nature’s Free Tool for Controlling Soil Erosion Leading to Floods in Biodiversity Conservation and

Environment Management Biotech Books Publishing Housing, ISBN
9788176222624: 191-198.

Annexure 5: List of Research Guidance (08 Nos.)

1. M.Phil. dissertation entitled “Environmental Impact Evaluation of Illegal Ganga Mining with Special Reference to Shayampur Kangri, District Haridwar (Uttarakhand), India” submitted by Arunima Pandey in 2012.
2. M.Sc. dissertation entitled “Physico-chemical Studies of Effluents at Akums Drugs and Pharmaceutical Limited, SIDCUL, Haridwar” submitted by Amit Mishra in 2009.
3. M.Sc. dissertation entitled “A Study on Solid Waste Components of Saraswati Sugar Mill, Yamuna Nagar (Haryana)” submitted by Sandeep Kumar in 2009.
4. M.Sc. dissertation entitled “A Comparative Study of Physico-chemical Properties of Treated and Untreated Effluent of Shivam Automobile Limited, Haridwar” submitted by Rohit Chaudhary in 2010.
5. M.Sc. dissertation entitled “Assessment of Physico-chemical Parameters of River Ganga in Haridwar City, Uttarakhand State, India During Kanwer Mela 2011” submitted by Robin Singh Rathi in 2011.
6. M.Sc. dissertation entitled “Assessment of Physico-chemical and Heavy Metal Contamination in Ground Water in SIDCUL Industrial Area, Haridwar, Uttarakhand” submitted by Mohd. Shoaib in 2012.
7. M.Sc. dissertation entitled “Environmental Impact Evaluation of Shiwalik Hill Seasonal River Ranipur Rao Watershed in District Haridwar, Uttarakhand, India” submitted by Chetan Prakash Pandey in 2013.
8. M.Sc. dissertation entitled “The Assessment of Physico-chemical Parameters of Industrial and Domestic Waste with Special Reference to Seasonal River Ranipur Rao in SIDCUL Area, Haridwar, Uttarakhand” submitted by Jogendra Singh in 2013.

9. M.Sc. dissertation entitled “ROLE OF INSTRUMENTATION IN ENVIRONMENTAL MONITORING” submitted by LAMAL KANT SHARAMA in 2014.

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