

CURRICULUM VITAE

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OBJECTIVE

To work and associate with an organization have challenging and creative environment, where learning and personal practical skills are put together with hard work that results in growth at personal, organizational and national level. To being associate where my learning and skills can be put to maximum use to achieve goals, which will help me to explore myself, realize my potential and constantly upgrade my knowledge, skills and make a difference in whatever, I do.

MY CORE COMPETENCIES

- Sound academic record with In-depth knowledge of the subject.
- Innovative research and teaching attitude.
- Possess leadership skills.
- Command over the core research subject: Faunal Biodiversity and Wildlife Conservation with special reference to their interaction with surroundings.
- Good presentation, communication and interpersonal skills.

POST-DOCTORAL EXPERIENCE

Senior Research Biologist (SRB) and Senior Research Fellow (SRF) at Wildlife Forensic and Conservation Genetics Cell, Wildlife Institute of India, Dehradun, Uttarakhand, India.

- As per work profile dealing with wildlife offence cases for generating a scientific opinion on species identification from wildlife offence case samples following morphometric approach.
- Undertake research and development work to develop and standardize technique for dealing wildlife offence cases (biological material) based upon morphometric analysis.
- Provided inputs in sensitizing issues of wildlife forensics and conservation biology among various enforcement agencies, college and school students through crime scene examination, training, workshops and classes.

Major contribution in the field of wildlife forensics:

From August, 2013 till July, 2016:

I had provided major contribution in dealing wildlife offence cases for generating scientific opinion on species identification following morphometric approach.

Have expertise to deal with variety of biological samples common in wildlife trade:

S.No.	Type of biological sample	Technique used
1.	Wildlife articles containing hair including of complete skin/hides, rugs, fur-coat, Shahtoosh shawls, paint brushes, Musk-pods	Macroscopic and microscopic hair characterization- Cuticular scale cast imprinting technique. Comparison of medulla pattern, cross-section and cuticles imprints across the species.
2.	Ivory products and other ivory substitutes, Rhino-horn and their substitutes	Comparative morphological and morphometric Approach
3.	Genuine vs fake wildlife articles	Comparison of genuine and fake articles following diverse morphological and morphometric approach accordingly

Ongoing research and future strategies:

Work upon developing species specific standard operating protocols (SOPs) for animal parts common in wildlife trade through-out world.

Major achievements:

1. Developed a standard protocol for characterization of wild bovids on the basis of their horn characteristics using morphometric approach.
2. Developed strategies for identification and distinguish genuine and fake felid claw was developed using morphometric and x-ray radiographic analysis.

Future plans:

1. To develop standard protocol for identification of complete as well as bone parts of those species which are more likely in wildlife trade.
2. Introduce geometric morphometrics in developing protocols for characterization of different biological parts.
3. To develop protocol for bird species identification on the basis of feather characteristics following geometric morphometric approach.
4. Identifying wildlife trade routes using GIS approaches.

RESEARCH EXPERIENCE, RESEARCH INTEREST AND FUTURE VISION

Have research experience of 12+ years (including of Ph.D. and there after) in the field of Faunal Biodiversity and Conservation aspects and involved in varied research activities till date. Worked as Volunteer at Freshwater Biology Regional Centre, Zoological Survey of India, Hyderabad-500048, Andhra Pradesh, India (Taxonomic identification of fresh water species)

Other interest beyond the current work profile: Conducting research and teaching, as well.

- Have keen interest in varied field of Life Sciences with especial concern to research activities in the field of exploring Faunal Biodiversity, Taxonomical studies, Conservation genetics, ecology and biology of the same, species interaction and their Conservation issues, wildlife forensics, species characterization on the basis of morphometric based techniques.
- Understanding evolutionary biology, species diversity, distributional trends and current status in order to formulate appropriate conservation measures.

Protected Area Visited:

Rajasthan:	Sajjangarh WLS (Wildlife Sanctuary), Kumbhalgarh WLS, Jaisamand WLS, Sitamata WLS, Bagh-darrah Nature Park, Ranthambore NP (National Park), Keola Deo NP
Gujarat:	Gir NP
Uttarakhand:	Raja Ji NP, Gangotri NP
Himachal Pradesh:	Pin Valley NP, Great Himalayan NP, Kibber WLS
Jammu and Kashmir	Gharana Wetland Reserve

Ongoing project: “HORNID – An efficient digital on-spot decision tool to combat wildlife trafficking of wild bovid horns: Forensic implications (Minor Research Project), Central University of Jammu

TECHNIQUES ACQUAINTED

- Both laboratories as well as field based techniques (Protected Areas/Wildlife Sanctuaries): Cuticular Scale Cast Imprinting Technique for identification of mammalian species and feeding ecology of Carnivores, varied ecological methods for population studies, behavior and conservation.
- Animal taxonomy: Identification of faunal species (macroscopic and microscopic characteristics). Wildlife forensics: Identification of wildlife parts on the basis of morphometric characteristics.
- Limnological studies: Identification of freshwater and marine fishes, Quantitative and Qualitative studies of Plankton (Zooplankton), Water and Air Quality monitoring.
- Ecological and ethological studies: Transect studies, Point Count Method, Habitat analysis, varied ecological methods used in population studies-pugmark analysis, behavior ecology and conservation issues and assessment of biodiversity.
- Molecular and Phylogenetic studies: DNA isolation, ELISA, PCR, FASTA, BLAST
- Animal Tissue Culture: Development of Heart Cells from Embryonic Stem Cell of Swiss albino mice.

EDUCATION QUALIFICATIONS

Examination Degree	Board/ University	Subject Group / Specialization	Year	Division (with %age)
Ph.D.	MLSU, Udaipur	Zoology - Wildlife and Biodiversity Conservation: “ <i>Study of Mammalian Diversity of Sajjangarh Wildlife Sanctuary</i> ”	2008	-
SLET	RPSC, Ajmer, Rajasthan	Life Sciences (UGC accredited)	2005	Qualified
M.Sc.	MLSU, Udaipur	Zoology	2003	I (69.25%)
B.Sc.	MLSU, Udaipur	Science Group Chemistry-Botany-Zoology	2001	I (63.55%)
Sr. Secondary	RBSE, Ajmer	Science Group Physics-Chemistry-Biology	1998	II (56.77%)
Secondary	RBSE, Ajmer	All (with distinction in - Mathematics, English & Sanskrit)	1996	I (70.72%)

OTHER QUALIFICATIONS/COURSES

- Certificate Course in MS-Word with A+ Grade (2003).
- Certificate online non-credit course on Introduction to Forensic Science authorized by Nanyang Technological University, Singapore offered through Coursera (2014).

MEMBER OF EDITORIAL BOARD/ REVIEWER

- Reviewer – Pearson Education Ltd.
- Current Science. **Impact Factor 0.926. ISSN : 0011-3891**
- Editorial Board: Life Science Leaflets Journal **ISSN : 0976 – 1098**
- Editorial Board: “International Journal of Allied Practice, Research and Review (IJAPRR)” approved by National Institute of Science Communication And Information Resources (NISCAIR) **ISSN : 2350-1294**

RESEARCH GUIDE

- Approved Ph.D. Guide and Visiting Faculty in Zoology, Shri Jagdish Prasad Jhabarmal Tibrewala University, Jhunjhunu, Established U/S 2(f) of UGC Act No. F2(5)Vidhi/2/2009 of 5-2-2009, Government of Rajasthan).

TEACHING EXPERIENCE (09+ years)

- **Visiting Faculty/Ph.D. Guide:** Shri Jagdishprasad Jhabarmal Tibrewala University, Jhunjhunu, Rajasthan (From March, 2011 till now).

Under Graduate Level: (07 years)

- **Two years** at Department of Zoology, University College of Science, Mohanlal Sukhadia University, Udaipur as Guest Faculty (Academic session 2005-2006 and 2006-2007)
- **Two years** as Lecturer in Department of Zoology, Seth Motilal Shikshakendra Mahavidhyalaya, Jhunjhunu, Rajasthan. (Academic session 2007-2008 and 2008-2009)
- **Three years** as Lecturer in Department of Zoology, Seth Motilal P.G. College, Jhunjhunu, Rajasthan. (Academic session 2009-2010, 2010-2011 and 2011-2012).

Post Graduate Level: (05 years)

- Five years at Department of Zoology, Seth Motilal P.G. College, Jhunjhunu (Academic sessions 2007-2008, 2008-2009, 2009-2010, 2010-2011 and 2011-2012).

Nature of work

1. Teaching: Undergraduate and Post graduate student.
2. Mentor: Post graduate students of Zoology and Environmental Science for their short term projects especially related to different aspects of Environmental Sciences.
3. Administrative work assigned during tenure.
4. Research: Assessment of Faunal diversity of the area and conservation issues.

PAPERS TAUGHT AT UNDERGRADUATE AND POST GRADUATE LEVEL

At Under Graduate Level:

1. Diversity of Animals and Evolution
2. Immunology, Microbiology and Biotechnology
3. Structure and Functions of Chordate Types
4. Ecology and Environmental Biology
5. Applied Zoology, Ethology and Biostatistics

At Post Graduate Level:

1. M.Sc. Zoology Previous
 - a. Biosystematics and Taxonomy
 - b. Quantitative Biology and Population Genetics
2. M.Sc. Zoology Final Special Paper Environmental Biology
 - a. Environmental Science, Ecological Principle, Wildlife and Conservation Biology
 - b. Ecotoxicology, Environmental Microbiology and Biotechnology

PROJECT GUIDED

DST sponsored Student Project reference no. **F. 7(7) fo.Á©./vuq0 ,oa fo0,l.ih./2011/7375** dated **22/03/2012** entitled "Assessment of Avifaunal Diversity of Jhunjhunu, District Rajasthan (including migratory species) in reference to their Conservation Perspective. (2011-2012).

OTHERS ACTIVITIES AND CONTRIBUTIONS

- Member of different committee at College level such as Girls welfare/Women atrocity (2007-08 to 2011-12), Research committee (2008-09), Science association/activity (2010-11), Press committee (2011-12). Editorial Board of College Annual Magazine, Team member of Souvenir and Proceedings of National Seminars and Conferences, Repertoire,
- Report writing- UGC Seminar reports, Reports for Department of Forests.
- Reviewer- Pearson Education Ltd.
- Resource person for Department of Forests in their different activities like Eco-trekking, annual wild animal census.

PROFESSIONAL / ACADEMIC MEMBERSHIPS

1. Life Member of Indian Science Congress Association
2. IUCN-CEM (The Commission on Ecosystem Management)
3. IUCN-Species Survival Commission ISSG
4. Fellow of The Society of Earth Scientists (SES), India
5. Fellow of International Safety Quality Environment Management Association (ISQEM) , London, UK
6. Snow Leopard Network
7. International Society of Zoological Sciences (ISZS)
8. Indian Polar Research Network (IPRN)
9. Eco-Ethics International Union EEIU
10. Society for Research in Ecology and Environment (SREE), Bharatpur
11. Rajasthan Zoologists Group
12. Ramsar Forum
13. CAWST - Centre for Affordable Water & Sanitation Technology, Canada
14. BioNET-INTERNATIONAL Secretariat, United Kingdom

SUMMARY OF THESIS

- Thesis title: **Study of Mammalian Diversity of Sajjangarh Wildlife Sanctuary (2008)**
Research Guide: **Dr. Chhaya Bhatnagar**
Assistant Professor, Department of Zoology, University College of Science,
Mohanlal Sukhadia University, Udaipur.
Honorary Guide: **Dr. Satish Kumar Sharma** Assistant Conservator of Forest, Department of Forests,
Udaipur, Govt. of Rajasthan.
Research area is related to ***Biodiversity, Wildlife Conservation and Management Issues.***

Faunal wealth of any geographical area is of immense importance because they play an important role in maintaining ecological balance. It is well known that the resources for the conservation are always limited. Thus to maximize the benefits of any action it is the basic need to focus on the highest conservation priorities. Monitoring and mapping of biological resources is a major concern from the conservation perspective, since the depletion of biodiversity is an irreversible change. The conservation importance of an area is typically determined by assessing its biodiversity the basic unit of which is species.

Sajjangarh Wildlife Sanctuary is the smallest wildlife sanctuary of the largest state of the country. It covers only 5.190 km² area and situated atop the Bansdara Hill in the most fragile ecosystem of Aravallis in the west of Udaipur. Once there was a time when this Bansdara Hill was having dense vegetation and thick forest cover and was rich in wildlife and natural resources and was used by the erstwhile Maharanas as 'Shikargah' (hunting ground). Unfortunately, the over exploitation and non-judicious harnessing of biological and non-biological resources of the Aravallis, in the name of rapid development much beyond the sustainable limits, has left the Bansdara Hills in a much precarious condition. Prior to the year 1986, the wildlife of the area was critically destructed. It was observed that the area was drastically deprived off of any vegetation and wildlife. Later by realizing its strategic location and importance from aesthetical, environmental and ecological point of view, this area was elevated to the status of wildlife sanctuary in 1987. Since then, effective measures for the protection coupled with scientific management have resulted in the re-establishment of the past glory of the area to some extent.

Mammalian species diversity of SWLS was assessed using various direct and indirect evidences and in order to formulate steps to undertaken for improvement of habitat of these species, the habitat preference of each species on the basis of frequency distribution was analyzed. Cuticular scale cast imprinting technique, pugmark analysis, morphometric analysis of predator and prey fecal remain was made. Conservation status of each mammalian species at local level was identified. Impact of ecotourism practices on wildlife was also assessed and the major problem faced by the species in the area was determined. On the basis of which plausible scientific measures were suggested for the better conservation of species and management of the study area. It was observed that although the geographical area of the sanctuary is very less but it is home to a total of 36 species of mammals belong to eight orders of the Class Mammalia viz. Rodentia (11 Species), Carnivora (10 Species), Chiroptera (07 Species), Artiodactyla (04 Species), Primata (01 Species), Pholidota (01 Species), Lagomorpha (01 Species) and Insectivora (01 Species). The whole study area was divided into 10 Zones and distribution of mammalian species was studied. It was observed that all 36 species of mammals found in SWLS falls under any of the threat category of IUCN. A total of 29 species of mammals falls under any of the Schedule of Wildlife (Protection) Act, 1972; and 12 species in either Appentix of CITES. Amongst which Schedule I species are *Panthera pardus*, *Prionailurus rubiginosa* and *Manis crassicaudata*. Rusty spotted cat is the smallest cat species of the world which exist in SWLS. It was concluded that although SWLS is the smallest sanctuary of the state but it exhibit diversified habitat and have potential to harbor much more diversity. Due to it strategic location there is a vast scope of ecotourism development and learning. It was strictly suggested that if the corridors will be well maintained then the number of mammals and other species can be increased. If proper scientific measures should be undertaken, it will play as a role model for development of other protected areas of the state and country as well.

The sanctuary has a potential to support much more species.

PUBLICATIONS

ABSTRACTS: 13

1. **Vinita Sharma**, Chandra Prakash Sharma, Sandeep Kumar Gupta and Vipin Sharma (2017): Trans-boundary illegal wildlife trade: Seized horn revealed to be from African Black Rhinoceros using morphometric and DNA-based analysis in India. In proceedings of JKSC-2017.
2. **Vipin**, Vinita Sharma, Chandra Prakash Sharma, Ved Prakash Kumar and Surendra Prakash Goyal. Pioneer identification of fake tiger claws using morphometric and DNA-based analysis in wildlife forensics in India. National Seminar on “Translational Research in Biotechnology for Improving Animal Health and Production” & 3rd Annual Meeting of Society of Veterinary Science and Biotechnology from 7th – 8th October, 2015 at College of Veterinary and Animal Science at Bikaner, Rajasthan, India. pp.-166.
3. Sunil Dubey, Darasingh Shyoran and **Vinita Sharma** (2011): Diversity of Avian Fauna of Reserve Forest Block (Beed), Jhunjhunu, Rajasthan, with special reference to migratory species. Abstracted in Proceedings of National Seminar on Ecotoxicology, Impacts and Challenges on Biodiversity held on February 26th – 27th, 2011 at Khetri, Jhunjhunu, Rajasthan. pp.-46.
4. **Vinita Sharma**, Chhaya Bhatnagar, Om Prakash Sharma, Uma Sharma, Chetan Joshi and L.K. Sharma (2007): Scope of Ecotourism in Wildlife Sanctuaries of Rajasthan. Abstracted in Souvenir and Proceedings of National Conference on Biodiversity and Conservation held on December 10th -11th, 2007 at Nua, Jhunjhunu. pp.- 71.
5. **Vinita Sharma** and Chhaya Bhatnagar (2007): Mega and microchiropterans of Sajjangarh Wildlife Sanctuary, Udaipur Wildlife Division, Udaipur, Rajasthan. Abstracted in Souvenir and Proceedings of National Conference on Biodiversity and Conservation held on December 10th -11th, 2007 at Nua, Jhunjhunu. pp.- 70.
6. **Vinita Sharma** and Chhaya Bhatnagar (2007): Diversity and Conservation Status of mammals of Sajjangarh Wildlife Sanctuary, Udaipur Wildlife Division, Udaipur. Abstracted in Souvenir and Proceedings of National Conference on Biodiversity and Conservation held on December 10th - 11th, 2007 at Nua, Jhunjhunu. pp.-69.
7. Karnika Jani, **Vinita Sharma** and Chhaya Bhatnagar (2006): Declining avian diversity of Fatehsagar Lake, Udaipur with special reference to probable environmental changes and anthropogenic activities. Abstracted in Souvenir and Proceedings of UGC Sponsored National Conference on Conservation and Management of Faunal Diversity of Rajasthan held on August 11th –13th, 2006 at Jaipur, Rajasthan. pp.-73.
8. **Vinita Sharma**, Karnika Jani and Chhaya Bhatnagar (2006): Threatened mammals of Sajjangarh Wildlife Sanctuary. Abstracted in Souvenir and Proceedings of UGC Sponsored National Conference on Conservation and Management of Faunal Diversity of Rajasthan held on August 11-13, 2006 at Jaipur, Rajasthan. pp.-72.
9. Chhaya Bhatnagar, **Vinita Sharma**, and Karnika Jani (2006): Vanishing habitats of aquatic birds in the city of lakes: An eye opener. Abstracted in abstract book of International Conference on Environment Management Practices in India: Issues, Imperatives and Implications held on March 3-5, 2006 at Udaipur. pp. 59-60.
10. Chhaya Bhatnagar, **Vinita Sharma** and Karnika Jani (2006): Diversity and distribution of mammals in Sajjangarh Wildlife Sanctuary and impact of ecotourism. Abstracted in abstract book of International Conference on Environment Management Practices in India: Issues, Imperatives and Implications held on March 3-5, 2006 at Udaipur. pp.-78.
11. Karnika Jani, **Vinita Sharma** and Chhaya Bhatnagar (2005): Study of avian diversity in and around Sajjangarh Wildlife Sanctuary in relation to feeding habit and habitat preference. Abstracted in Souvenir and Proceedings of National Conference on Environment and Natural Disaster Management held on November 28-30, 2005 at Jaipur. pp.-133.
12. K. Jani, **V. Sharma** and C. Bhatnagar (2005): Some observations on the four threatened species of vultures sighted in Sajjangarh Wildlife Sanctuary in view of their habitat. Abstracted in Journal of Cell and Tissue Research, Special Supplement Issue Vol. 5 (3):29.

13. **V. Sharma**, K. Jani and C. Bhatnagar (2005): Study on the distribution of some large mammals on the basis of habitat preference in Sajjangerh Wildlife Sanctuary, Udaipur Wildlife Division, Udaipur. Abstracted in Journal of Cell and Tissue Research, Special Supplement Issue Vol. 5 (3):42.

Full length paper: 13

INTERNATIONAL - 07

1. Vipin, **Vinita Sharma** and Sandeep Kumar Gupta (2017): Molecular identification of victim species and its sex from the ash: a case of burning alive leopard (*Panthera pardus*). International Journal of Legal Medicine. First Online: 06 June 2017. DOI: 10.1007/s00414-017-1619-1 (http://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=23040) Impact Factor: **2.862**
2. **Vinita Sharma**, Mohd. Raza, Khursheed Ahmed, Parag Nigam, Anjara Anjum Khan, Chandra Prakash Sharma, Vipin Sharma and Surendra Prakash Goyal (2016): Opportunistic occurrence, significance and conservation implications of Tricho-morphometrics: Large wild herbivores of Chang Chenmo Valley, Ladakh, India. *International Journal of Advanced Research*. Vol.4, Issue 12. 980-988. (http://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=47231) Impact Factor: **6.118**
3. Vipin, **Vinita Sharma** and Chandra Prakash Sharma (2016): Identification of Substitute Ivory Product in Illegal Wildlife Trade using Morphological and DNA based analysis in Wildlife Forensics in India. *International Journal of Allied Practice, Research and Review*. Vol. III, Issue IX. 01-08. http://ijaprr.com/download/issue/Volume III/Issue IX/129_Volume III_Issue IX_01-08_Vipin_Vinita.pdf (http://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=44557) Impact Factor: **2.662**
4. Vipin, **Vinita Sharma** and Mukesh (2016): A Novel Model Approach for Detecting Wild Animals through Blood Fed Mosquitoes: Scope in Indirect Wildlife Sampling and Wildlife Forensics. *International Journal of Allied Practice, Research and Review*. Vol. III, Issue VIII. 01-08. http://ijaprr.com/download/issue/Volume III/Issue VIII/128_Volume III_Issue VIII_01-08_Vipin_Vinita.pdf (http://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=44557) Impact Factor: **2.662**
5. Vipin, **Vinita Sharma**, Chandra Prakash Sharma, Ved P. Kumar and Surendra P. Goyal (2016): Pioneer identification of fake claws using morphometric and DNA-based analysis in wildlife forensics in India. *Forensic Science International*, 266. 226-233. <http://dx.doi.org/10.1016/j.forsciint.2016.05.024>. ISSN: 0379-0738. (http://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=17526) Impact Factor: **1.950**
6. Chhaya Bhatnagar, **Vinita Sharma** and Karnika Jani (2007): An annotated study of mammalian fauna of Sajjangerh Wildlife Sanctuary, Udaipur, Rajasthan (India). Online- <http://www.mekonginfo.org>
7. **Vinita Sharma**, Karnika Jani and Chhaya Bhatnagar (2005): Biodiversity of mammals in Sajjangerh Wildlife Sanctuary, Udaipur Wildlife Division, Udaipur: An attempt to study the habitat preference of some. **Bulletin of Biological Sciences**, Volume IV, Issue I: 39-44. * **Now name changed as International Journal on Biological Sciences**. ISSN: 0976-4518. NAAS Rating 2.37. Published by National Environmental Science Academy*. (http://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=7775)

NATIONAL - 01

1. Chhaya Bhatnagar, Karnika Jani and **Vinita Sharma** (2007): Vanishing habitats of aquatic birds in the City of Lakes, Udaipur: A case study. **The Indian Forester**, Vol.133, No. 10: 1395-1402. ISSN :0019-4816. (http://www.ugc.ac.in/journallist/ugc_admin_journal_report.aspx?eid=20693)

Published in others (Chapters in book and proceedings of international and national conferences)

Proceedings of International Conferences: 02

1. Vipin, **Sharma, V.**, Mukesh and Prasad, A. (2013): Population genetic structure of *Anopheles stephensi* in Northwestern India. In proceedings of XIIth International Conference on Vector and Vector Borne Diseases held on 16th-18th, September organized by Mohanlal Sukhadia University, Udaipur and NAVBD, Bhubaneswar. pp. 96-102.
2. Chhaya Bhatnagar, Karnika Jani, **Vinita Sharma**, Meenakshi Mahur, Rekha Salvi and Arti Prasad (2008): Aquatic bird diversity of Lake Bari (A component of Udaipur Important Bird Area) with special note on its habitat management. In Proceedings of Taal 2007: The 12th World Lake Conference (From 28th October – 2nd November, 2007) organized by Ministry of Environment and Forests in the joint collaboration of International Lake Environment Committee (ILEC). Editors: Sengupta, M. and Dalwani, R. pp. 554-557. <http://wldb.ilec.or.jp/data/ilec/wlc12/C-%20Biodiversity/C-30.pdf>

Proceedings of National Conferences/Seminar/Symposium: 03

1. Chhaya Bhatnagar, Rekha Salvi, Meenakshi Mahur, Vijay Kumar Koli, Karnika Jani and **Vinita Sharma** (2008): Chiropteran diversity of Udaipur City in Proceedings of “Conservation and Utilization of National Resources and their role in Sustainable Development” held on 18th -19th October, 2008 at Jhunjhunu. pp. 113-115.
2. Chhaya Bhatnagar, **Vinita Sharma**, Karnika Jani and Nidhi Gill (2007): Primary productivity and energy flow in Jhamri Dam. Proceedings of DAE-BRNS National Symposium on Limnology (NSL-07) held on February 19th-21st, 2007 at Udaipur. pp. 233-235.
3. Chhaya Bhatnagar, **Vinita Sharma**, Karnika Jani and Nidhi Gill (2007): Plankton and Ichthyo-fauna of Jhamri Dam, Udaipur, Rajasthan. Proceedings of DAE-BRNS National Symposium on Limnology (NSL-07) held on February 19th-21st, 2007 at Udaipur. pp. 236-238.

Chapter in book: 01

1. Chhaya Bhatnagar and **Vinita Sharma** (2007): Diversity and distribution of mammals in Sajjangarh Wildlife Sanctuary: The impact of Ecotourism. IN. Environmental Management Practices: An Indian Outlook. Himanshu Publications, Udaipur. pp.314-320. ISBN:81-7906-170-1

CONFERENCES/SEMINAR/SYMPOSIA ATTENDED: 21

International: 02

1. 12th World Lake Conference Taal 2007, “Conserving Lakes and Wetlands for Future” at Jaipur from 28th October–2nd November, 2007 organized by MoEF in the joint collaboration of International Lake Environment Committee (ILEC). **Presented poster entitled:** Aquatic Bird Diversity of Lake Bari (A Component of Udaipur Important Bird Area) with a Special Note on Its Habitat Management.
2. International Conference on Environment Management Practices in India: Issues, Imperatives and Implications organized by Pacific Institute of Management, Udaipur from March 3-5, 2006. **(Presented Oral Paper entitled:** Diversity and distribution of mammals in Sajjangarh Wildlife Sanctuary: The impact of Ecotourism).

National: 19

3. 12th JK Science Congress 2017, March 2-4, 2017 organized by University of Jammu, Jammu and J&K State Science , Technology & Innovation Council. (Poster presentation: Trans-boundary illegal wildlife trade: Seized horn revealed to be from African Black Rhinoceros using morphometric and DNA-based analysis in India)
4. XXXth Annual Research Seminar (ARS) of Wildlife Institute of India, Dehradun on 29th – 30th September, 2016

5. National Seminar on “Translational Research in Biotechnology for improving Animal Health and production” and 3rd Annual Meeting of Society for Veterinary Science and Biotechnology held on October 7th -8th, 2015 at Bikaner, Rajasthan. (**Poster/First Prize:** Pioneer identification of fake tiger claws using morphometric and DNA based analysis in wildlife forensics in India).
6. XXIX Annual Research Seminar (ARS), WII, Dehradun held on September 3rd -4th, 2015. (**E-Poster entitled:** Wildlife Forensics and Conservation Genetics (WFCG) Cell – An update)
7. XXVIII Annual Research Seminar (ARS), WII, Dehradun held on August 21st, 2014.
8. XXVII Annual Research Seminar (ARS) of Wildlife Institute of India, Dehradun held on September 30th, 2013 to October 1st, 2013. (**Poster entitled:** “Wildlife Forensic Cell: Achievements and Learning during 2012-2013”).
9. UGC sponsored National Seminar on Ecotoxicology, Impacts and Challenges on Biodiversity organized by Department of Zoology, Vinodini P.G. College, Rajota, Khetri, Jhunjhunu, Rajasthan from February 26th - 27th, 2011. (**Presented paper entitled:** Diversity of Avian Fauna of Reserve Forest Block (Beed), Jhunjhunu, Rajasthan with special reference to migratory species.)
10. Participated in “Young Ecologists Talk and Interact” a Student Conference held at Indian Institute of Science, Bangalore, India from October 5th – 7th, 2010.
11. Participated in UGC sponsored National Seminar on Yoga for Healthy Living and Fitness organized by Seth Motilal (PG) College, Jhunjhunu, Rajasthan held on February 22nd-23rd, 2010.
12. UGC, New Delhi sponsored National Seminar on “Quality Assurance in the Institutions of Higher Education” organized by Seth Motilal (PG) College, Jhunjhunu (Rajasthan) held on February 19th -20th, 2010. (**Oral Paper entitled:** Why there is a Cry-“Quality of Higher Education must be assured?” Just Think).
13. UGC, New Delhi sponsored National Seminar on “Conservation and Utilization of Natural Resources and their Role in Sustainable Development” organized by Seth Motilal (PG) College, Jhunjhunu (Rajasthan) held on October 18th-19th, 2008. (**Oral Paper entitled:** Chiropteran diversity of Udaipur City).
14. Participated in UGC, New Delhi and NAAC, Bangalore sponsored National Seminar on “Quality Assurance in the Institutions of Higher Education” organized by Seth Motilal (PG) College, Jhunjhunu (Rajasthan) held on August 3rd- 4th, 2008.
15. National Conference on “Biodiversity and Conservation-Social, Economical and Environmental Issue including Pollution and Patent Laws” at Rama Devi Mahila Mahavidyalaya, Nua, Jhunjhunu held on December 10th-11th, 2007. (**Oral paper entitled:** Diversity and Conservation Status of mammals of Sajjangarh Wildlife Sanctuary, Udaipur Wildlife Division, Udaipur and **awarded as Best Paper Presentation-II** in the technical session.)
16. DAE-BRNS National Symposium on Limnology (NSL-07) held at College of Fisheries, MPUAT, Udaipur on February 19-21, 2007. (**Poster entitled:** Plankton and Ichthyofauna of Jhamri Dam, Udaipur, Rajasthan).
17. UGC Sponsored National Conference on Conservation and Management of Faunal Diversity of Rajasthan organized by Department of Zoology, R.L.Saharia Government PG College, Kaladera, Jaipur held from 11th to 13th August, 2006. (**Oral Paper entitled:** Threatened mammals of Sajjangarh Wildlife Sanctuary. **Awarded Consolation Prize** in the Young Scientist Award Session).
18. 18th Annual Conference of National Environmental Science Academy, New Delhi: Recent Trends in Environmental Sciences held at J.B. Institute of Engineering and Technology, Yenkapally, Moinabad Mandal, Hyderabad from October 25th -27th, 2005. (**Oral Paper entitled:** Biodiversity of mammals in Sajjangarh Wildlife Sanctuary, Udaipur Wildlife Division, Udaipur: An attempt to study the habitat preference of some).
19. 7th Annual Conference of Society of Science and Environment organized by Department of Zoology, MLSU, Udaipur from September 17th -18th, 2005. (**Poster entitled:** Study on the distribution of some large

mammals on the basis of habitat preference in Sajjangarh Wildlife Sanctuary, Udaipur Wildlife Division, Udaipur).

20. 20th Annual Conference of Indian Academy of Neurosciences held at Department of Zoology, MLSU, Udaipur (February 21st -23rd, 2003).
21. National Conference on Environmental Biology organized by Department of Biosciences, Saurashtra University, Rajkot. (October 17th -18th, 2002).

TRAINING / WORKSHOPS ATTENDED: 17

1. One day programme on National Science Day, 2017 organized by Central University of Jammu, Jammu and Kashmir, India on 28th February, 2017.
2. One day workshop on nature photography by Canon India held on 1st August, 2015 at Wildlife Institute of India, Dehradun, Uttarakhand.
3. Two days workshop on Human-Wildlife Interactions and Management of Invasive Alien Species held at Wildlife Institute of India, Dehradun on 23rd and 24th July, 2014.
4. Short-term training on Identification of herpeto-faunal species in wildlife trade on the basis of morphological features at Chennai Snake Park, Chennai from 14th to 16th July, 2014.
5. One day workshop on Spring Bird Festival of Uttarakhand state at WII, Dehradun on 7th February. 2014.
6. Two day workshop on “Spatially Explicit Capture Mark Recapture Animal Abundance Estimation” held at WII on February, 26th and 27th, 2014
7. National Workshop jointly conducted by Centre for Ecological Sciences CES, Indian Institute of Science IISc, Bangalore and Laboratory for the Conservation of Endangered Species (LaCONES), Centre for Cellular and Molecular Biology (CCMB), Hyderabad on Application of Non-Invasive Technology to Wildlife Endocrine Assessment from February 7-9, 2012.
8. National Council of Science and Technology Communication, DST, Government of India sponsored five days Training Workshop on “Science Communication through Digital Media” conducted in association with MKB School, Jaipur and Vaigyanik Drishtikon Society under Golden Jubilee Celebrations of MLSU, Udaipur at Internet Center, Vigyan Bhawan, MLSU, Udaipur from May 11th-15th, 2011.
9. Ministry of Environment and Forests, Government of India sponsored seven days Training Workshop on Systematics and Evolution conducted by Centre for Environmental Management of Degraded Ecosystems CEMDE, University of Delhi from March 9th -15th, 2011.
10. Department of Science and Technology, Government of India sponsored training workshop on “Role of Scientists in Biodiversity Conservation” conducted by Wildlife Institute of India, Dehradun from October 25th – 29th, 2010.
11. One Day workshop on “Digital Alternatives to Animal Use in Dissection” organized by Department of Zoology, University College of Science, MLSU, Udaipur in association with Mahatma Gandhi Doerenkamp Center for Alternatives to use of Animal in Life Science Education, Tiruchirapalli, Tamilnadu on 11th February, 2010.
12. State Level Workshop on “Faunal and Floral Diversity of Rajasthan: Importance and Conservation” organized by Society for Research in Ecology and Environment, Bharatpur in collaboration with Forest Department, Keoladeo National Park, Bharatpur and Maharani Shri Jaya PG College, Bharatpur (Rajasthan) for PG students and Wildlife Researchers from December 27th -28th, 2006. **Awarded First Prize of Best Student Participant.**
13. Six-Week Technology based Entrepreneurship Development Program on Digital Photography and Videography from December 15, 2005 to January 25, 2006 at Department of Geology, MLSU, Udaipur.
14. UGC-Infonet One-Day User Awareness Programme on 19th October, 2005 at University Central Library, MLSU, Udaipur.
15. One-Day workshop on 29th March, 2005 on Development of Ecotourism organized by Department of Forests, Udaipur, Rajasthan.

16. Workshop on Awareness of Biotechnology on March 28th, 2005 organized by Department of Biotechnology, College of Science, MLSU, Udaipur.
17. Three Days practical training workshop from October 25th-27th, 2004 on Animal Tissue Culture, organized by National Centre for Cell Science, Pune and Department of Zoology, MLSU, Udaipur.

EXTRA-CURRICULAR ACTIVITIES AND LEISURE INTERESTS

1. 2015 Great Backyard Bird Count at Wildlife Institute of India, Dehradun, Uttarakhand.
2. State level quiz competition held on 08/09/1996 (International Literacy Day) held at Jaipur, Rajasthan.
3. District level quiz competition held on 26/08/1996 at Udaipur, Rajasthan and achieved First position in the contest and selected for state level competition.
4. Anchor 'On-the-spot Embroidery Contest' held on 13/01/1996 at R.M.V., Udaipur and received Consolation prize.
5. Model competition in the field of ENERGY in 28th District Level Science Fare-95 organized by Rajasthan SERT, Udaipur, Rajasthan at Government Senior Secondary School, Fatehnagar, Udaipur held from 12/12/1995 to 15/10/1995.
6. Camel Ink Handwriting competition held on 08/09/1994 at Rajasthan Mahila Vidhyalaya, Udaipur and secured Second prize.
7. Leisure interests: Idea generation, reading and solving puzzles, su-do-ku and photography.

INVITED LECTURES AND OTHER CONTRIBUTION

1. Imparted as evaluator in National Panel, National Children Science Congress-2016 held at Baramati,
2. Delivered lectures and contributed (Resource Person) in hand's-on sessions on 15th, 16th, 17th and 18th November, 2016 in "One month Orientation and Training course for officers from Bangladesh Forest Department" organized by Wildlife Institute of India, Dehradun, Uttarakhand on following topics: Identification of claws, identification of species from hair and major bones in illegal wildlife trade.
3. As Resource Person. J&K DST.3rd February, 2017

PERSONAL PROFILE

Father's Name : Er. Khem Chand Sharma Date of Birth : September 30th, 1980
 Mother's Name : Smt. Jaya Sharma Nationality : Indian
 Marital Status : Married
 Husband : Dr. Vipin

He is a post-doctoral fellow at Wildlife Forensic and Conservation Genetics Cell, Wildlife Institute of India, Dehradun. He is molecular biologist and conservation geneticist by profession and is dealing with wildlife offence cases using DNA-based analysis. Alongside this, he is involved in R&D work for developing new DNA-based SOP's for species identification and teaching and training of wildlife forensics and wildlife conservation aspects among various law enforcement agencies and students in India

REFERENCES

Dr. Chhaya Bhatnagar (Ph.D. Supervisor)

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DECLARATION

I, Dr. Vinita Sharma do hereby declare that what is stated above is correct, complete and is true to the best of my knowledge and belief.

Vinita Sharma

Dr. VINITA SHARMA