

Resume

Contact

Current Address:

University School of
Environment Management,
Guru Gobind Singh
Indraprastha University,
Dwarka Sector 16C,
Delhi- 110078, India

Permanent Address:

Q.No.B/9, Civil line, Kotma
Colliery, District- Anuppur,
Madhya Pradesh- 484336, India

Phone:

+91- 8076374310
+91- 9990478578

Email:

jeni241990@gmail.com

Languages

English
Hindi

Dr. PRATYANSHA SINGH



Skill Highlights

- Ex situ wildlife conservation & management
- Strong decision maker
- Service-focused
- Innovative
- **Computer proficiency**
Operating systems: Windows
Software /Applications: MS Office, SPSS, Adobe Photoshop, Internet Explorer
- Effective Communication Skill
- Ability to Accept Challenges
- Ability to work in group with cooperation
- Leadership Quality
- Regular and Punctual
- Hardworking and Honest

Education

Course	Board/University	Year	Percent	Division
Doctorate of Philosophy (Environment Management)	Guru Gobind Singh Indraprastha University, Delhi + (Laboratory share – Delhi University)	2020	-	-
Certificate Course on Geospatial Techniques (GIS & Remote Sensing) in Wildlife Conservation and Management	Wildlife Institute of India, Chandrabani, Dehradun	2020		
Certificate in Environmental Studies	Indira Gandhi National Open University, Delhi	2015	75%	First
Master of Philosophy (Zoology)	Govt. Holkar Science College, Indore	2014	83%	First
Master of Science/ P.G. (Zoology)	Govt. Holkar Science College, Indore	2013	82.15%	First
Post Graduate Diploma in Environment and Sustainable Development	Indira Gandhi National Open University, Delhi	2013	72%	First
Bachelor of Science/ Graduation (Zoology, Botany, Chemistry)	Govt. Sarojini Naidu College, Bhopal	2011	81%	First
Higher Secondary (12th)	Board of Secondary Education, Madhya Pradesh	2007	66.22%	First
High School (10th)	Chhattisgarh Board of Secondary Education, Chhattisgarh	2004	75.16%	First

Experience

1. Post-Graduation (M.Sc.) Internship: 23/01/2013 to 15/02/2013 in Kamla Nehru Prani Sanghralhalaya (Indore Zoo), Madhya Pradesh, India

Work Experience:

- Management and maintenance of Kamla Nehru Prani Sanghralhalaya
- Educational outreach programmes
- Case studies, behavioural observation, Treatment procedure

2. Master of Philosophy (M.Phil.) Research work: 2013 to 2014 in Kamla Nehru Prani Sanghralhalaya (Indore Zoo), Madhya Pradesh, India

Work Experience:

- Study on the incidence of strongyles in captive wild ruminants
- Detection of strongyle eggs through Modified Sheather's Sugar floatation technique
- Coproculture of strongyle larvae
- Identification of strongyle larvae through morphological characteristics
- Determination of certain biochemical & haematological changes in host like total protein test, blood glucose level, haemoglobin percentage, TEC, TLC, DLC & PCV

3. Doctorate of Philosophy (Ph.D.) Research work: February 2016 to January 2018 in National Zoological Park (Delhi Zoo), Delhi, India: *Main Study Area*

Short term studies conducted:

Alipore Zoological Garden, Kolkata, West Bengal, India

Assam State Zoo cum Botanical Garden, Guwahati, Assam, India

Manipur Zoological Garden, Imphal, Manipur, India

Keibul Lamjao National Park (KLNPN), Bishnupur District, Manipur, India

Work Experience:

- Captivity and Management of Manipur Brow-antlered deer (*Rucervus eldii eldii*)
- Population trend analysis; Population Viability Assessment Modelling (Vortex10 version 10.0.7.0)
- Behavioural observation and analysis
- Study on Housing & Environment enrichment
- Assessment of food preference
- Assessment of health condition
- Disaster Management
- Research Methodology and Biostatistics

4. **Research Fellow in Central Zoo Authority, Ministry of Environment, Forest and Climate Change: March 2019 to May 2019 in National Zoological Park (Delhi Zoo), Delhi, India**

Work Experience:

- Morphological identification of pugmarks and faecal samples by the identification of shape, size, colour and texture
- Morphometric analysis of pugmarks and faecal samples by the measurement of length and breadth

Achievements

1. **UGC NET Junior Research Fellowship and Eligibility for Lecturership** (Name & Year of exam passed: UGC NET July 2018) – awarded from University Grants Commission, Ministry of Human Resource Development, Delhi, India.
2. **Short Term Research Fellowship** - awarded from Guru Gobind Singh Indraprastha University, Dwarka Sector 16C, Delhi, India.
3. 7th International Science Congress (ISC-2017), Dec. 8-9, 2017, Phuentsholing, Chukha, Bhutan
Award received: "International Young Scientist Award for Best Oral presentation".
4. **Interview published on the topic entitled "Study on Brow antlered deer at Delhi Zoo" by Press Trust of India** in The Asian Age Newsletter (5th September, 2016), Press Trust of India http://ptinews.com/news/7836121_Study-on-brow-antlered-deer-at-Delhi-zoo.html, The Statesman <https://www.thestatesman.com/cities/delhi/study-on-brow-antlered-deer-at-delhi-zoo-163300.html>, Business Standard https://www.business-standard.com/article/pti-stories/study-on-brow-antlered-deer-at-delhi-zoo-116090400131_1.html, India Today <https://www.indiatoday.in/pti-feed/story/study-on-brow-antlered-deer-at-delhi-zoo-698047-2016-09-04>, NewsMobile <https://www.thestatesman.com/cities/delhi/study-on-brow-antlered-deer-at-delhi-zoo-163300.html>, Metro Vaartha.
5. **Associate Member** (January 2020 – December 2020) of International Zoo Educators Association, 2000 Bunker Rd Sausalito, California, United States.
6. Served as a **Volunteer** (February 2016 to January 2018) in National Zoological Park, Mathura Road, Delhi, India.
7. **Member and Donor** of Fall Membership Drive, 2020 of World Wildlife Fund, Washington, DC.
8. **Volunteer** in World Wildlife Fund, India.
9. In the **Communication List** of World Association of Zoos and Aquariums (WAZA), Barcelona, Spain.

Educational Visits/ Field Trips

India

- Wildlife Institute of India, P.O. Box No. 18, Chandrabani, Dehradun, Uttarakhand.
- Forest Research Institute, P.O. New Forest, Dehradun, Uttarakhand.
- Central Zoo Authority of India, Ministry of Environment, Forest and Climate Change, Delhi
- National Zoological Park, Mathura Rd, Pragati Maidan, New Delhi, Delhi
- Alipore Zoological Garden, Kolkata, West Bengal
- Assam State Zoo cum Botanical Garden, Guwahati, Assam
- Manipur Zoological Garden, Imphal, Manipur
- Keibul Lamjao National Park (KLNP), Bishnupur District, Manipur
- Kamla Nehru Prani Sangrahalaya, AB Rd, Doordarshan Kendra, Navlakha, Indore, Madhya Pradesh
- Sayaji Baug Zoo, Vadodara, Gujarat
- Rajaji National Park, 5/1, Ansari Road, Mohand Range, Dehradun, Uttarakhand
- Rose Garden, Shivaji Nagar, Bhim Nagar Slums, Char Imli, Bhopal, Madhya Pradesh Raza Nursery, Kotma Colliery, Madhya Pradesh

Abroad

- KL Bird Park, 920, Jalan Cenderawasih, Perdana Botanical Gardens, 50480 Kuala Lumpur, Federal Territory of Kuala Lumpur, Malaysia
- Aquaria KLCC, Kuala Lumpur Convention Centre, Jalan Pinang, Kuala Lumpur City Centre, 50088 Kuala Lumpur, Malaysia
- Amo Chhu Crocodile Breeding Centre, near Phuntsholing Bus Station by the River Amo Chhu, Phuentsholing, Bhutan

Conferences/Seminars/Workshops

Conferences attended

1. 25th International Zoo Educators Biennial Conference (Virtual), International Zoo Educators Association, Oct. 10-11, 2020. Sausalito, California, United States.

Paper presented: Oral Presentation on the paper entitled "Understanding the role of Biodiversity and Awareness among the Visitors of National Zoological Park, Delhi, India: With special reference to species under Conservation Breeding Programme"

2. 28th Annual and 1st Virtual Conference of the Southeast Asian Zoos and Aquarium Association, Nov. 11, 2020. Rizal, Philippines.

Paper presented: Poster Presentation on the paper entitled "Disaster Management Plan for National Zoological Park, Delhi, India: In context with Endangered Manipur Brow-antlered Deer (*Rucervus eldii eldii*) "

3. International Conference on Advancements in Veterinary Sciences for Wildlife Conservation and Association of Indian Zoos and Wildlife Veterinarians, Nov. 13-15, 2019, Hyderabad, Telangana, India

Paper presented: Poster Presentation on the paper entitled " Impact of Environmental factors on the Feeding Pattern & preference for Effective Management of Manipur Brow-antlered deer (*Rucervus eldii eldii*) in the National Zoological Park, Delhi, India"

5. 7th International Conference on Chemical, Agricultural, Biological and Environmental Sciences (CABES-2017), Dec. 14-15, 2017 Kuala Lumpur (Malaysia)

Paper presented: Oral Presentation on the paper entitled "Environmental conservation of endangered Manipur Brow-antlered deer (*Rucervus eldii eldii*) for sustainable population management under captive environment in National Zoological Park, Delhi, India"

6. 7th International Science Congress (ISC-2017), Dec. 8-9, 2017, Phuentsholing, Chukkha, Bhutan

Paper presented: Oral Presentation on the paper entitled " Assessment of Captive Environment Management Practices in National Zoological Park, Delhi: A Case Study of Conservation Breeding Programme of Endangered Manipur Brow-antlered deer (*Rucervus eldii eldii*)" **Award received: "International Young Scientist Award for Best Oral presentation"**

7. International e-Conference on Recent Advances and Status of Wildlife Forensics, Nov. 3-5, 2020. LaCONES, CSIR- Centre for Cellular & Molecular Biology, Hyderabad, India.

8. 2020 Conservation Planning Specialist Group Annual Meeting (Virtual), Oct. 7-9, 2020. Apple Valley, MN, United States.

9. Society for Conservation Biology Asia Section Conference, March 19- 20, 2018 (Organized by: Amity Institute of Forestry and Wildlife & Society for Conservation Biology Asia Section) Delhi, India.

Conferences

1. International Conference on Advancements in Veterinary Sciences for Wildlife Conservation and Association of Indian Zoos and Wildlife Veterinarians, 13th-15th November 2019, Hyderabad, Telangana, India.

Paper: Poster Presentation on the paper entitled "Impact of Environmental factors on the Feeding Pattern & preference for Effective Management of Manipur Brow-antlered deer (*Rucervus eldii eldii*) in the National Zoological Park, Delhi, India".

2. 7th International Conference on Chemical, Agricultural, Biological and Environmental Sciences (CABES-2017), 14th -15th December 2017, Kuala Lumpur (Malaysia).

Paper: Oral Presentation on the paper entitled "Environmental conservation of endangered Manipur Brow-antlered deer (*Rucervus eldii eldii*) for sustainable population management under captive environment in National Zoological Park, Delhi, India".

3. 7th International Science Congress (ISC-2017), 8th-9thDecember 2017, Phuentsholing, Chukkha, Bhutan.

Paper: Oral Presentation on the paper entitled " Assessment of Captive Environment Management Practices in National Zoological Park, Delhi: A Case Study of Conservation Breeding Programme of Endangered Manipur Brow-antlered deer (*Rucervus eldii eldii*)".

4. Society for Conservation Biology Asia Section Conference, 19th - 20th March 2018, (Organized by: Amity Institute of Forestry and Wildlife & Society for Conservation Biology Asia Section) Delhi, India.
5. 34th Conference on Industrial Safety and Disaster Management 'Zero Tolerance towards Industrial Disasters', 8th – 10th July 2019, Hotel Taj Palace, New Delhi, India.

Seminar

1. National Seminar on Climate Change, Biodiversity and Urban Environment: Current Trends and Challenges in the Conservation of Urban and Peri-urban Biodiversity (NSCCBUE -2019), April 26th 2019, University School of Environment Management, Guru Gobind Singh Indraprastha University, Dwarka Sector 16C, Delhi

Paper: Urban Green Spaces and their contribution to people's well-being: a review (**Co-author**)

Workshops

1. Consultative Workshop on Capacity Building for Animal Protection & Disaster Risk Reduction (A-DRR), National Institute of Disaster Management, 9th January 2020, The Ambassador, New Delhi, India.
2. National Workshop on Impact of Global Warming: Ozone layer, 16th September 2018, Shiv Nadar University, Greater Noida, Uttar Pradesh, India.

3. Orientation towards New Trends in Environment Management, 21st- 22nd March 2016, Guru Gobind Singh Indraprastha University, New Delhi, India.
4. Emerging strategies for Environment Protection, 18th February 2016, Guru Gobind Singh Indraprastha University, New Delhi, India.

Webinars

1. Webinar on Zoo & Aquarium Education in a Post-COVID World on June 9, 2020 – organized by International Zoo Educators Association, San Diego Zoo, United States.
2. Webinar: DDR through Interdisciplinary and Professional Curriculum Post COVID-19 on June 4, 2020 – organized by National Institute of Disaster Management, Delhi, India
3. E-Conference on Climate Change, Environmental Health and Sustainable Development Goals in Post-COVID World on June 4-5, 2020 – organized by Guru Gobind Singh Indraprastha University, Delhi, India
4. National Online Conference and World Environment Day Celebration on June 5-6, 2020 – organized by ESDA, Delhi
5. Webinar on Species Recovery and Conservation of Endangered Species in India on June 5, 2020 - organized by ATREE Bengaluru, India
6. Online Training on Research Support Tools; Effective e-Learning with Smart Tools & Techniques on May 28-30, 2020 - organized by JNKVV, CoA Powarkheda, Hoshangabad, M.P., India
7. Webinar: Academic Publishing and Enhancing Research Effectiveness on June 9, 2020 – organized by Jamia Milia Islamia, Delhi, India
8. Course on Prioritizing Species & Spaces – National Geographic

Publications

1. **Singh, P.**, Kaur, A. and Gupta A.K. (2020). Hazard-Risk and Vulnerability Assessment for the National Zoological Park at New Delhi, India. *International Journal of Disaster Risk Reduction* (Elsevier Publication) <https://doi.org/10.1016/j.ijdrr.2020.101819>
2. **Singh, P.** and Kaur, A. (2017). A review on behaviour and health condition of Manipur Brow-antlered deer (*Rucervus eldii eldii*) for sustainable management and conservation in an ex-situ environment. *International Journal of Zoology Studies*, 2(6), 150-156.
3. **Singh, P.** and Kaur, A. (2018). Environmental enrichment of Endangered Manipur Brow-antlered deer (*Rucervus eldii eldii*) for sustainable population management under the ex situ conservation in National Zoological Park, Delhi, India. *International Research Journal of Natural and Applied Sciences*, 5(3), 17-26.
4. **Singh, P.** and Kaur, A. (2018). Assessment of captive environment management practices in National Zoological Park, Delhi: A case study on Conservation Breeding Programme of Endangered Manipur Brow-antlered deer (*Rucervus eldii eldii*). *International Research Journal of Biological Sciences*, 7(4), 17-20.
5. **Singh, P.**, Kaur, A. and Dookia, S. (2018). Activity pattern and Time budget analysis of Manipur Brow-antlered Deer *Rucervus eldii eldii* (M'Clelland, 1842) under the Conservation Breeding Programme in National Zoological Park, Delhi, India. *International Research Journal of Natural and Applied Sciences*, 5(4), 60-76.
6. **Singh, P.** and Kaur, A. (2017). Environmental conservation of Endangered Manipur Brow-antlered deer (*Rucervus eldii eldii*) for sustainable population management under captive environment in National Zoological Park, Delhi, India. *7th International Conference on Chemical, Agricultural, Biological & Environmental Sciences, Kuala Lumpur, Malaysia*, 14-15 December, 2017. <https://doi.org/10.15242/DIRPUB.C1217117>.
6. **Singh, P.** and Kaur, A. (2019). Integration of Scientific Approaches to the Conservation and Management practices of Manipur Brow-antlered deer (*Rucervus eldii eldii*) population in Zoological Parks of India: A review. *Indian Journal of Forestry (Paper Accepted)*.
7. Population viability analysis for the captive population of Manipur Brow-antlered deer (*Rucervus eldii eldii*) in National Zoological Park, Delhi, India using VORTEX stochastic

simulation population based model. *International Zoo Yearbook, Wiley Online Library, ZSL Publications (Under Review).*

8. An Observational Study on Behaviour of Manipur Brow-antlered deer (*Rucervus eldii eldii*) in National Zoological Park, Delhi, India. *Proceedings of the Zoological Society, Springer Nature (Under Review).*

Manual Published

Morphometric Analysis of Pugmarks and Faeces of Captive Inmates - *A field reference manual*, Central Zoo Authority, Ministry of Environment, Forest and Climate Change.

Declaration

I hereby declare that the information mentioned above is true to the best of my knowledge and belief.

Date: 28/01/2021

Place: Kotma Colliery,
Madhya Pradesh, India



PRATYANSHA SINGH

