



Profile of Dr. Surabhi Shrivastava

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Dr. Surabhi Shrivastava the course coordinator of Wildlife Science has the experience of more than 37 years in teaching the subjects Zoology, Wildlife Science, Toxicology, Biotechnology in UG and PG classes in Government Higher Education Services Rajasthan.

She is a Gold medalist in M.Sc Zoology from University of Rajasthan Jaipur. She is keen enthusiast in the field of Zoology, Agriculture, Toxicology and Wildlife . She has been participating in Wildlife activities during Wildlife week (1 to 7 October) every year for last 23 years has received about 10 appreciation certificates and trophies .Six candidates have been awarded Ph.D Degrees in Zoology under her supervision and Three candidates have been awarded M.Phil. degrees. Five research scholars are registered under her supervision for Ph.D. She has published around 55 research papers in national and International journals and presented about 20 research papers and 14 posters in national and International seminars and conferences. She has successfully completed six minor and one major projects sanctioned by JGC and DST. She has written 9 chapters of Toxicology in M.Sc Zoology text book of VMO University Kota .The department of Wildlife Science under her coordinatorship successfully organized two, one week Workshops (one in October 2016 and second in April 2017).The students of department of wildlife Science participated in many field Trips to KNP Bhartpur, Sitamata Wildlife Sanctuary Pratapgarh, Sariska Tiger Reserve Alwar, Ummedgang Pakshi Vihar Kota, Bandha Dharpura , Sorsan Blackbuck PA, Geparnath Vulture PA, Mukundara Hills Tiger Reserve, Kolipura and Sheljar etc. from time to time under her supervision and with faculty members. The department organized Bird Bath installment Program in University campus on 27 May 2017. The students regularly participate as volunteers in animal and bird census programs from time to time.

About Kota, University of Kota and Dept. of Wildlife Science :

The landscape of Rajasthan has wide and colorful range of Wildlife and broadly varies from the infertile arid wilderness, dense scrub-thorn woods, rocks, and gorges to swamps and lush, very thick grassy woodlands. And each of these huge parts is a beautiful home for a big diversity of amazing

endangered beasts and birdlife and fauna. Some of them are rare while some seriously scarce. The state houses tigers, black bucks, chital, sambhar, chinkara, nilgai, desert fox, the greatly threatened caracal, the great Indian bustard, the gavial, monitor lizard, wild boars and porcupine. Exotic travelling birds like common crane, ducks, coots, pelicans and the rare, imperial sand grouse, falcons, buzzards herd to this land throughout the chilly winter months. Rajasthan proudly lays claim to three National Parks, three Tiger Reserves, two dozen sanctuaries and two closed areas.

Kota is very rich in flora and fauna and Mukundra Hills Tiger Reserve is one of the prominent outcomes of the rich biodiversity notified by Govt. of India. Since the well-being of humanity, the environment and the functioning of the economy, ultimately depends upon the responsible management of the planet's natural resources. And with the ticking of the clock, the degradation of the environment is going on. The situation and the happening of the environment, and the mother Earth requires the better understanding and effective mitigate steps. The students of wildlife science are able to understand the need and the urgency of the situation which can be better tackled in a more scientific approach.

So the growing need of scientific studies with public awareness in Wildlife science has triggered University of Kota to initiate the PG degree course as self-financing scheme at Kota (Rajasthan) in the year 2010. The wildlife science program is a very rigorous program designed to provide the education and experience for being of wildlife professionals. The course is entirely taught by the Guest faculty and Extension lectures of specialized experts from India and Abroad are conducted to ensure the exposure of the students to the latest research and monitoring skills, techniques and software in their respective field. Students from all over India eg Ladakh, Srinagar, Sikkim, Nepal, Nagaland, Arunachal Pradesh, Assam, Orissa, West Bengal, Bihar, Haryana, Karnataka, Gujarat, Madhya Pradesh, Maharashtra and Rajasthan have studies in this course. One student from California, USA is also pursuing the course. The intricately structured course ensures the right amalgamation of theory and practical training, in environmental issues, conservation and also serve as a model for developing higher education elsewhere in the country.

Objectives

Wildlife science focuses on the biology and management of wild animals, including their ecology and conversation. As a wildlife scientist one will study native and the exotic birds, mammals, reptiles and amphibians in natural or created environments, their biodiversity and human-wildlife interactions. The major gives the ability to implement and evaluate wildlife management programs for captive and free-ranging wildlife. one will develop a strong scientific knowledge of wildlife anatomy and physiology, breeding, reproduction, nutrition, health, husbandry, ecology, welfare and behavior with excellent wildlife trapping, identification and handling skills, one can make a major contribution to the wildlife, game and vertebrate pest management industries in the country.

Course-Structure

The M.Sc. course in wildlife science is a two year full time curriculum having four semesters since its inception. The first three semesters have three theory papers and two practical papers, each with one assignment topic based on any of the theory papers respectively. Seminars based on such assignments will be organized during the respective semester and are compulsory. In addition, three semesters will also have the tour journal assignment, field and laboratory practical. The assignment and practical exercise will be administered separately by expertise faculty. The fourth semester is a six month dissertation program (four month field work / lab work and two months for data analysis and writing). There is an equal emphasis on providing theoretical understanding and developing practical skills. Classroom, lectures, assignments, group discussions and extended field visits are therefore given equal importance.

Course / Programme Established in 2010

Name of course	Duration	No. of seats in take	Eligibility	Admission criteria	Fees (Rs)
M.Sc.Wildlife Science	2 years (4 Semesters)	20	Bachelor degree in Science/ Medical Science/ Engineering/ Veterinary Science/ Agriculture/ Forestry/ Pharmacy/ Computer Science/ Computer Applications or degree recognized as equivalent thereof should have studied in the Science stream at Higher Secondary or other equivalent board Minimum aggregate marks in Bachelor's degree recognized by UGC for unreserved category (UR/Gen) is 55% SC/ST/OBC/SOBC: Minimum Pass Marks. Other State: 60%	Merit basis	Rs 22000/- per annum (Approximately)

Thrust Areas of Research

. Students may also apply for Junior Research Fellowship in Wildlife/Environment Science granted by Ministry of Environment and Forest, Govt. of India for Ph.D. fellowships every year.

Thrust areas of Research:

- Habitat and Population Ecology
- Landscape level Planning and Management
- Eco-development Planning and Participatory Management
- Forensic and Pathology
- Fishery and Agricultural
- Rehabilitation, Reintroduction and Rescue

Events and activities

- Two Workshops were organized, one on “Biology of Indian Wildlife” from 3.10.16 to 10.10.16 and the second one on “Habitat, Population Ecology and Wildlife Forensics” from April 18 to April 25, 2017. The workshops were inaugurated by Honorable Vice Chancellor, Prof P. K. Dashora, and DCF Mukundra Hills Tiger Reserve Shri S.R.Yadav respectively. Other guests were Dr. Sandeep Singh Chouhan (Registrar), Prof. Ashu Rani, (Dean PG Studies) and Dr. Jolly Bhandari (D.R.), Expert Speakers were, Professor V.K Mahobia, Shri Vineet Mahbia, Dr.K.L Meena, Dr. H.S Gehlot, Dr. S. P. Mehra, Dr. Vikas Sharma, Dr. Ranjana Gupta, Dr. Akhilesh Pandey, Dr. Shravan Singh Rathore, Dr. Anil Kumar Chhangani and Dr. Surabhi Shrivastav.
- Mr. Ritesh Viswakarma, Mr. Vijay Babu, Ms Agatha Momin and Ms Shikha Jasrotia, Mohib Uddin, Tehlu Singh, Vikas Verma, Bhaskar Bhandri, Akshay Jain, Avinash Yadav, Aarnnya Gaythri, Rohit Chouhan, Kamal Vaishnav, Tanu Sharma, Narendra Kumar Jaiswal, Taiyyav Ahmed, Hrishika Sharma, Tasso Rimung and Rahul Pandya were selected as active volunteers, in various activity programs organized by forest services, NGO's etc.
- The Students worked at Sitamata Wildlife Sanctuary Pratapgarh between 13th to 18 Oct.2016 the study of medical plant identification in Wildlife under the expertised guidance of K.L Meena, Dr. Surabhi Shrivastava Shri Mukesh Saini, Shri Pankaj Soni and Shri Ghanshyam Sharma.
- Students worked at Mukundra Hills Tiger Reserve Kota (Sheljar and Kolipura) 8/10/16 and 25/04/17 for line transect Technique under the expertise guidance of Dr. H.S. Gehlot and avi fauna studies under the guidance of Dr. S.P Mehra at Bandha Dharpura Kota on 10/10/16.
- A trip to Sariska Tiger Reserve Alwar was organized from 28/11/16 to 01/12/16 for radio collar, camera trapping etc. under the supervision of Dr. Surabhi Shrivastava, Shri Pankaj Soni and DCF Shri R.S Shakawat.
- A trip to Keoladeo National Park was organized from 28/02/17 to 02/03/17 for bird watching and animal behavior studies under the guidance of Dr. S.P. Mehra, DCF Shri Bijo Joy, Dr. Surabhi Shrivastava.
- A Photography exhibition was organized by WLS Department on 25/01/2017 in which about 150 Photographs and 5 Banners were displayed and appreciated by about 1000 visitors.
- **Placements**
- Mr. Govardhan Parashar, is Veterinary Assistant at Central Government Veterinary Hospital, Dadr & Nagar Haveli, Silvassa.
- Mr. Hemant Bajpai, got placed as Research Biologist, Vulture Safe Zone Program, BHNS, Bundelkhand, Damoh, Madhya Pradesh.
- Mr. Rudrarishi Sharma got placement as Project Officer in TSA (Turtle Survival Alliance) and is posted in Itawa, Uttar Pradesh.
- Mr. Mohd Ali, Mr. Tejas Karmakar and Miss. Agatha are selected as Research assistants at WII Dehradun.
- Miss. Uravshi Sharma is selected as Crime Branch Officer at Nepal.
- Miss. Prerana Sharma at WII Dehradun.
- Mr. Akshay Bajaj is working as a Veterinary Assistant at Kanpur Zoological Park UP.

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