

BIODATA

Dr. Satish Kumar Sharma

Ph.D. (1991), Ph.D. (2007), M.Sc.

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➤ **ACADEMIC QUALIFICATIONS:**

- Ph.D. 2007 (Title - ‘Biodiversity and Ethnobiology of Phulwari Wildlife Sanctuary Udaipur, Rajasthan’) from Mohanlal Sukhadia University, Udaipur, India.
- Ph.D. 1991 (Title - ‘Plant Life and weaver birds with special reference to eastern Rajasthan’) from University of Rajasthan, Jaipur, India.
- Masters in Science, 1979, in Botany (1st Class with specialization in ecology) from University of Rajasthan, Jaipur, India.
- Certificate in Ornithology, from Bombay Natural History Society, Mumbai, India.
- Certificate in Ornithology, from Rishi Valley School, Andhra Pradesh, India.

➤ **PROFESSIONAL QUALIFICATIONS:**

- 1) Certificate in Forestry (Hons. Gold Medal, Southern Forest Rangers College, Coimbatore, Tamil Nadu, India, 1985).
- 2) Certificate in Forestry (Hons. Gold Medal, Forest Training School, Alwar, India, 1983-84).

➤ **EXPERIENCE OF SERVICE IN THE DEPT. OF FOREST:**

- **Name of department:** Forest Department, Govt. of Rajasthan, India.
- **Duration of Govt. Service:** 28.2.1980 To 31.7.2016 (36 years 5 months).
- **Last post held:** Rajasthan Forest Service, Assistant Conservator of Forests, (Retd. on 31.07.2016).
- **Districts where worked during Government service:**
 - (1) In Rajasthan: Jaipur, Alwar, Bharatpur, Udaipur and Pali districts.
 - (2) Gujarat: Anand district (service given on deputation).
- **Main areas of working during various service tenures:**
 - Social forestry,
 - Farm Forestry
 - Shelterbelt
 - Aravalli Afforestation Project
 - State Silviculture wing (forestry research)

- Arboriculture
- Banki Forest Research Farm (forestry research)
- Nahargarh Biological Park
- Jaipur Zoo
- Udaipur Zoo
- Biological Park Sajjangarh, Udaipur
- Sajjangarh Wildlife Sanctuary
- Phulwari Wildlife Sanctuary
- Jaisamand Wildlife Sanctuary
- Jawai Dam Leopard Conservation Reserve (district Pali)
- Baghdara Nature Park.

➤ **FIELDS OF EXPERTISE:**

- Forest restoration and Management
- Grassland Management and Development
- Wildlife Management of Protected Areas
- Biological Park/ zoological garden establishment and management
- Forest Nursery Management
- Plant/Animal taxonomy
- Social forestry (Extension forestry, Agroforestry, Farm forestry)
- Forest, Wildlife and Tribal related research and documentation
- Biodiversity studies
- Impact assessment
- Medicinal plant conservation, medicinal plant garden establishment and management, development of MPCA (Medicinal Plant Conservation Area) and MPDA (Medicinal Plant Development Area)
- Forest Ecology
- Botanical Garden and forest park establishment and management
- Invasive exotic weed control in forest areas
- Wild animal rescue and re-habilitation
- Forest Fire mitigation

➤ **IMPORTANT CONTRIBUTIONS:**

- Recorded occurrence of more than two dozen plant species and more than one dozen animal species within geographic limits of Rajasthan state in India which were earlier unknown from the state.
- Discovered half dozen new techniques of forestry.
- Studied biota of Rajasthan state (India) intensively and extensively.

- Developed manual for easy identification of wild animals, for department officials during wildlife census.
- Published “Arnodya”, a forest magazine from 1986 to 1988 in Udaipur (North) Forest Division.
- One of the members of editorial team to publish ‘Conservation Times’.
- Had been instrumental in establishing the following flora and fauna conservation sites/areas in various forest divisions of Rajasthan –
 - i. World Forestry Arboretum, Jaipur;
 - ii. Forest Research Farm Banki, Udaipur;
 - iii. Biological Park Nahargarh, Jaipur;
 - iv. Biological Park Sajjangarh, Udaipur;
 - v. Aravalli Herbal Garden, Jhadol (Udaipur);
 - vi. Jawai Leopard Conservation Reserve, Pali.

➤ **WORKED AS MEMBER OF THE STATE LEVEL COMMITTEES (RAJASTHAN STATE, INDIA):**

S. N.	Name of Steering Committee	Nomination by
1.	Advisory Committee on Project Leopard for implementation in Rajasthan	Govt. of Rajasthan
2.	Advisory Committee to Improve the curriculum and training programs of Forest Department in Rajasthan	Govt. of Rajasthan
3.	Member of Standing Committee to State Wildlife Board	Govt. of Rajasthan
5.	Member of ‘Rajya Aayush Niti Prarup Samiti’	Govt. of Rajasthan
6.	Member of Core Group Committee of Medicinal, Aromatic and Ornamental plants (2014)	Govt. of Rajasthan
7.	Member of State level editorial group for publication of district Gazetteers	Govt. of Rajasthan
8.	Member of expert committee for notification of Critical Wildlife Habitat for Mount Abu Wildlife Sanctuary	Chief Wildlife Warden, Rajasthan
9.	Member of committee to declare Tiger Project Ramgarh Vishdhari, Bundi	Govt. of Rajasthan
10.	Member of committee to declare Tiger Project Karoli-Dholpur	Govt. of Rajasthan

➤ **MEMBER OF COMMITTEES OF ACADEMIC INSTITUTIONS:**

S. N.	Name of Steering Committee	Nomination by
1.	Member of Internal Quality Assurance Cell for Govt. Meera Girls Collage Udaipur, India	Principal, Meera Girls Collage Udaipur
2.	Member of “Institutional Animal Ethical Committee for faculty of Science”, M.L.S. University, Udaipur, India (2013).	M.L.S. University, Udaipur

3.	Member of “Institutional Animal Ethical Committee”, B.N. College of Pharmacy, Udaipur, India (2004).	BN University, Udaipur
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➤ **EXPERIENCE AS ACADEMIC GUIDE:**

S. N.	Dissertation Title	Candidate	Year
1	A Study of medicinal plants of Jhadol area for degree of M.D. (Ayurveda), Udaipur	Dr. K.L. Sharma	1994-95
2	A Study of medicinal plants of Udaipur area for degree of M.D. (Ayurveda), Jodhpur	Dr. Mangal Singh	2016-17
3	Survey of medicinal plants in sub plan area Jhadol, Phalasia and Kotra, Udaipur (Rajasthan) with special respect of Gunjan. Ayurveda Vachaspati – M.D. (Ayu.), Jodhpur	Dr. Jyoti Damor	2019
4	Survey study on ethnomedicinal plants of Kukdeswar Mahadev area of Rama van khand, Udaipur Rajasthan. Ayurveda Vachaspati – M.D. (Ayu.), Udaipur	Dr. Naresh Kumar Regar	2023
5	An ethnobotanical survey study of ‘Kewda Ki Nal’ forest region of Udaipur and study of indigenous knowledge of medicinal plants traditionally used by tribes.	Dr. Diwakar Gangawat	2023

➤ **EXPERIENCE AS RESOURCE PERSON:**

❖ **Resource Person in Forestry and Wildlife Trainings:**

- Master Trainer on Wildlife Crime for Central Detective Training Institute, Jaipur (Govt. of India).
- Acted as a trainer to prepare forest working plans in forest divisions of all 33 districts of Rajasthan state in association with Foundation for Ecological Security.
- Acted as trainer for preparation of working plan in Gaya, Jahanabad (Bihar), Solan (Himachal Pradesh) and many districts of Kerala and Andhra Pradesh in association with Foundation for Ecological Security.
- Expert inputs given to prepare the Management Plan of many Protected Areas in various wildlife divisions of Rajasthan state.
- Expert inputs given to prepare Management Plan of many Wetlands of Rajasthan state.
- Expert inputs given to prepare the Red Data List of medicinal plants of Rajasthan during the workshop ‘Conservation Assessment and Management Prioritization’ (CAMP) workshop held at Rajasthan Forestry and Wildlife Training Institute, Jaipur in 2007.
- Expert inputs given in the document prepared by Bombay Natural History Society, Mumbai, India, for notification of the Important Bird Areas in Rajasthan.
- Associated with ICFRE-Arid Forest Research Instituted, Jodhpur to give inputs to finalize the taxon sheets for Rajasthan and Gujarat during 2023.

- Master Trainer for wildlife census in southern Rajasthan.
- Resource person in Eco-Trekking, Nature Camps, Monitoring of Flora and Fauna, Wildlife Week, School and College Tours, Wildlife Population Estimation Trainings, mass awareness programs etc. organised by various forest divisions of Rajasthan state.
- Master Trainer to Eco-guides at various protected areas including, Mt. Abu, Ranthambhore, Keoladeo N.P., Kumbhalgarh, Sajjangarh, Sariska etc.
- Acted as a member of the Aravali Eco-working Group to develop Biodiversity Strategy and Action Plan for Aravali Eco Region (2001 - 2002).
- Guest faculty for Rajasthan Forestry and Wildlife Training Institute, Jaipur, Jodhpur, and Satellite Centre Kherwara.
- Member of “Biodiversity Park” selection Committee to establish a biodiversity park in Udaipur circle.

❖ **Resource Person for Academic Institutions:**

- Guest faculty and examiner for many Universities of Rajasthan like Mohanlal Sukhadia University, Udaipur; University of Kota etc.
- Associated with Center for Cultural Resources and Training (CCRT), Government of India, in the capacity of a faculty from 2003 – till date.

❖ **Resource Person for Department of Science and Technology:**

- Acted as evaluator in National Children’s Science Congress (NCSC) at district level, state level and national level from year 2000 to 2022, for National Council for Science and Technology Communication (NCSTC), Dept. of Science and Technology, Govt. of India.
- Acted as an invited member to develop the activity guide book for year 2020 and 2021 for National Children’s Science Congress (NCSC), for National Council for Science and Technology Communication (NCSTC), Dept. of Science and Technology, Govt. of India.
- Associated with Rajasthan State Department of Science & Technology since more than 10 years and acted as resource person in teachers’ orientation workshops for National Children’s Science Congress (NCSC) from year 2000 to 2022.

❖ **Resource Person for Govt. Administration of Udaipur Division, Rajasthan, India:**

- Special Invitee at the divisional commissioner’s office for preparation of ‘Lake Conservation Plan in Udaipur Zone’ under the National Lake Conservation Project.
- Inputs given in preparation of “Udaipur Smart City Vision Document 2025”, to the district administration of Udaipur (Rajasthan, India).
- Contributed to prepare Smart City Vision Document 2025 of Udaipur City (Rajasthan, India).

➤ **EXPERIENCE AS CONSULTANT TO VARIOUS GOVERNMENTAL AND NON-GOVERNMENTAL AGENCIES / ORGANIZATIONS:**

- ✓ Worked as consultant of forestry and biodiversity for Foundation for Ecological Security in Nagaland, Rajasthan, Gujarat, MP, AP, Maharashtra, Odisha and Karnataka states of India.
- ✓ Involved in development of methodology to know extent of ecosystem services of forests, for Solan Forest Division, Himachal Pradesh, India (with Foundation for Ecological Security).
- ✓ Involved in capacity building of forest staff for preparation of working plans of Thiruvananthapuram Forest Division (Kerala), Medak Forest Division (AP), Gaya Forest Division (Bihar) and all 33 districts of Rajasthan (with Foundation for Ecological Security).
- ✓ Involved in revision of biodiversity conservation plan of Nagaland (with Foundation for Ecological Security).
- ✓ Acted as consultant for IUCN and TWSI to study biodiversity of 6 sites of Hindustan Zinc Namely, Kayad (Ajmer), Rampura- Agucha (Bhilwara), Chanderiya (Chittorgarh), Debari & Jawar (Udaipur) & Dariba (Rajasamand) (2022 to 2024).
- ✓ Acted as consultant for Nature Conservancy (TNC) India to study biodiversity of Dhar district, MP (2022 to 2023).
- ✓ Acted as consultant to TWSI to study the biodiversity around area Statue of Unity, Gujarat (2023)
- ✓ Acted as consultant to TWSI to study the biodiversity of Archeological sites in and around Polo Forest, Vijayanagar, Gujarat (2023).
- ✓ Associated with Forest Department Rajasthan to prepare a document for Plant Micro Reserve (2021-22 to 2022-23).
- ✓ Associated with Rajasthan State Mines and Mineral Limited, Udaipur to Study Biodiversity of Core and Buffer Area of Jhamar Kotra Mines (December, 2020 to December, 2021).
- ✓ Involved in greening project of IIM, Udaipur (2019)
- ✓ Worked as trainer for responsible mining for Solidaridad NGO (2019)
- ✓ Worked as forestry and biodiversity consultant for Vikram Cement, Neemuch (M.P.) (2019)
- ✓ Involved in preparation of greening project of MB Hospital, Udaipur (2018)
- ✓ Worked as forestry and biodiversity consultant for various non-governmental organizations / CSR divisions of corporates in various parts of India –
 - People for Environment, New Delhi (for JSW, Bellary, Karnataka),
 - ITC (Bhopal),
 - Sarvamangal Gramin Vikas Sansthan (SMGVS), Bundi (Rajasthan),
 - Vibhavari (for Sehore district, Madhya Pradesh),
 - National Centre for Human Settlements and Environment (NCHSE) in Vidisha & Sehore districts of Madhya Pradesh and Kota district of Rajasthan,
 - SAI Systra Group, Ahmedabad (for preparation of zonal master plan for eco-sensitive zone of Satpura Tiger Reserve & Pench Tiger Reserve, Madhya Pradesh),
 - SIPA (Sehore, Madhya Pradesh),

- Sewa Mandir (Udaipur),
- Secure Meter (Udaipur).

➤ **PUBLICATIONS:**

i). Books

S. N.	Name of Book	Language	Year of Publication	Name of Publisher
1.	Wild Animal Identification	Hindi	2001	Rajasthan Forest Dept.
2.	Ornithobotany of Indian Weaver Birds (ISBN – 81-86231-04-8)	English	1995	Himanshu Publications, New Delhi and Udaipur
3.	Folk Zoology (ISBN – 81-86231-48-x)	Hindi	1998	
4.	Wildlife Management (ISBN – 81-7906-117-5)	Hindi	2006	
5.	Orchids of Desert and Semi-arid Bio-geographic Zones of India. (ISBN – 978-81-7906-230-2)	English	2011	
6.	Wild Animal and Veterinarians (ISBN – 978-81-7906-326-2)	Hindi	2013	
7.	Floral and Faunal Endemism in Rajasthan (ISBN – 978-81-7906-383-5)	English	2014	
8.	Traditional Techniques Used to Protect Farms and Forests in India. (ISBN – 978-81-7906-571-6)	English	2016	
9.	Forest Development and Ecology (ISBN – 978-81-7906-656-0)	Hindi	2018	
10.	Nursery Techniques. (ISBN – 978-81-7906-774-1)	Hindi	2019	
11.	Forest Regeneration and Biodiversity Conservation	Hindi	2019	
12.	Wild Animal Rescue Operations (ISBN – 978-81-7906-925-7)	Hindi	2021	
13.	Natural Heritage of Mewar (Co-author with Lalit Pandey, Vinod Agrawal and Gaurav Singhvi). (ISBN – 978-93-94954-68-7)	English	2023	
14.	Faunal Diversity in Rajasthan (ISBN – 978-93-87201-68-2)	English	2024	
15.	Floral Diversity in Rajasthan	English	Under Preparation	
16.	Fire Management in Forest Areas	Hindi		
17.	Snake Guide Book of Rajasthan	Hindi		

ii). Article Publication

S. N.	Type of Article	Language	No. of Publications	Names of Journals / Magazines
1	Scientific and Popular	Hindi	375	Harit Prayas, Tribe, Vigyan, Jeevanti, Vaniki Samachar, Vijnana Parishad Anusandhan Patrika etc.
2	Scientific and Popular	English	315	JBNHS, Hornbill, Zoos' Print Journal, Zoos' Print, J. Phytol. Res., Res. J. Environ. Sci, Indian Forester, Fauna and Flora, Cobra, Newsletter for Bird Watchers, J. Econ. Taxon. Bot., American Anthropologist, JSRNC (U.K.), Human Dimensions of Wildlife, Taprobanica, Forktail, Vegetos, Munis Entomology and Zoology, Species, Journal of Economic and Taxonomic Botany, Ecology, Environment & Conservation, etc.
		TOTAL	690	

➤ **PAPER PRESENTATION / LECTURE DELIVERED:**

- ◆ No. of conferences / seminars attended for paper presentation: **52**
- ◆ Lecture delivered in Schools, Colleges, Organizations, Institutes etc: **2000 +**
- ◆ Radio talks delivered: **35**

➤ **SOME SPECIAL CONTRIBUTION IN THE FIELD OF FORESTRY, WILDLIFE AND BIODIVERSITY:**

- Creation of new discipline of Ornithology: Ornithobotany i.e. Study of birds in plants perspective.
- Established Forest Research Farm Banki, Udaipur (1991)
- Established Aravalli Herbal Garden at Nal Sandol, Jhadol, Udaipur (1996)
- Contributed to develop “World Forestry Arboretum” at Jaipur (1988-92)
- Contributed to develop Biological Park at Nahargarh, Jaipur (1999-2000)
- Contributed to develop Biological Park at Sajjangarh, Udaipur (2007-2012)
- Contributed to Prepare Management Plan of Phulwari Wildlife Sanctuary for the period of 2003-04 to 2012-13.
- Contributed to develop Islands in Fateh Sagar Lake, Udaipur under National Lake Conservation Plan (2012)
- Contributed to develop Panther Conservancy in Pali District Rajasthan (2012)
- Launched Snake Conservation Movement at Tatarpur (Alwar) in 1982.
- Developed design for water tanks in forest area to save wild animals.
- Developed epiphytic planting technique to develop suitable habitats for various animal species.
- Developed aerial planting technique for *Tinospora cordifolia* (*Neem Giloi*).
- Developed lawn printing technique for beautification of grass lawns in forest campuses.
- Developed nursery techniques for many lesser - known important forestry species like Padal (*Stereospermum tetragonum*), Tentu/Farry (*Oroxylum indicum*), Akash Neem (*Millingtonia hortensis*) etc.
- Developed fire controlling technique with the help of crackers in the forest areas.
- Contributed in the development of 7 Medicinal Plant Conservation Areas (MPCAs) in Rajasthan.
- Contributed to preparation of the Red List of medicinal plants of Rajasthan.

➤ **REVIEWER OF RESEARCH JOURNALS/ORGANIZATIONS:**

- i. Oxford University Press
- ii. Journal of Threatened Taxa
- iii. Indian Journal of Ecology (Indian Ecological Society)
- iv. Journal of Bombay Natural History Society

➤ **Ph.D. EXAMINER:**

S. N.	University	Title of Thesis	Year
1.	Career Point University, Kota, Rajasthan	Water Conservation Policies adopted by Government of India with special reference to Rajasthan State Government	2017

➤ **ASSOCIATION WITH NGOs /ORGANIZATIONS/INSTITUTIONS:**

Working in various capacities like adviser, consultant etc. with many NGOs/Organizations in India:

- 1) Foundation for Ecological Security (FES), Anand (Gujarat)
- 2) Seva Mandir, Udaipur (Rajasthan)
- 3) Jagran Jan Vikas Samiti, Udaipur (Rajasthan)
- 4) Bhomat Nature Society, Kotra (Rajasthan)
- 5) Living Farms, Bhisam Cuttuck, Raygada (Odisha)
- 6) JSW, Bellary (Karnataka).
- 7) ITC, Bhopal (Madhya Pradesh) and Khammam (Telangana)
- 8) SIPA, Bhopal (Madhya Pradesh)
- 9) Vibhavary, Dewas (Madhya Pradesh).
- 10) National Centre for Human Settlement and Environment (NCHSE), Bhopal, Sehore & Vidisha (Madhya Pradesh) and Kota (Rajasthan).
- 11) Sarv Mangal Gramin Vikas Sansthan, Bundi (Rajasthan).
- 12) People for Environment, Delhi.
- 13) Tiger Watch, Sawai Madhopur (Rajasthan).
- 14) Department of Science & Technology, Government of India.
- 15) Dr. SR Rajasthan Ayurved University, Jodhpur (Rajasthan).
- 16) SAI- Systra Group, Ahmedabad (Gujarat).
- 17) Member of Advisory Board of 'Sarpa Anusandhan Sangthan', Ujjain (Madhya Pradesh)
- 18) Secretary Green Peepal Society, Udaipur (Rajasthan)
- 19) Senior Scientific Advisor of Institute for Ecology and Livelihood Action (IELA), Udaipur, (Rajasthan).

➤ **GUEST FACULTY IN ACADEMIC INSTITUTIONS:**

- i. Kota University, Kota (Rajasthan)
- ii. Mohanlal Sukhadia University, Udaipur (Rajasthan)
- iii. Meera Girls Collage, Udaipur (Rajasthan)
- iv. Rajasthan Forestry & Wildlife Training Institute, Jaipur (Rajasthan)
- v. Tata Institute of Social Science, Hyderabad (Andhra Pradesh)

➤ **LIFE MEMBERSHIP:**

- Bombay Natural History Society, Mumbai
- Vigyan Parishad, Allahabad
- Vigyan Parishad, Mumbai
- Society for Applied Ornithology, Hyderabad
- Zoo Outreach Organization, Coimbatore

- Indian National Trust for Art and Cultural Heritage (INTACH) India.
- Association for plant Taxonomy, Dehradun
- B. S. N. V. Vigyan Parishad, Lucknow
- Bionature, Bhopal
- Society for Microvita Research and Integrated Medicine, Udaipur

➤ **AWARDS / HONOR / FELLOWSHIP RECEIVED:**

S. No.	Name of Award/Honors	Place	Year	Awarded by
1.	Brasiar prize	Coimbatore	1985	Southern Forest Rangers College, Coimbatore (T.N., India)
2.	Dr. Gorakh Prasad Puruskar	Allahabad	1986	Vigyan Parishad, Allahabad, India
3.	Akhil Bhartiya Vaniki Puruskar	Dehradun	1994	Govt. of India
4.	Rotary Paryavarn Puruskar	Udaipur	1995	Rotary Club, Udaipur, Rajasthan, India
5.	Van Palak Puruskar	Jaipur	1996	State Govt. of Rajasthan (India)
6.	Vaniki Lekhan Puruskar	Jaipur	1997	State Govt. of Rajasthan (India)
7.	Vigyan Vachaspati	Allahabad	1997	Vigyan Parishad, Allahabad, India
8.	Dr. Salim Ali Wildlife National Fellowship	Delhi	1998	Govt. of India
9.	Indra Priyadarshini Vriksha Mitra Purushkar	Delhi	1999	Govt. of India
10.	Medini Puruskar	Delhi	1999	Govt. of India
11.	Indian Forester Award	Dehradun	2000	Forest Research Institute, Dehradun, India
12.	Dr. Ratan Kumari Medal	Allahabad	2006	Vigyan Parishad, Allahabad, India
13.	Medini Puruskar	Delhi	2008	Govt. of India
14.	Paryavaran Mitra	Udaipur	2009	Jheel Samrakshan Samiti, Udaipur, Rajasthan, India
15.	Jheel Mitra	Udaipur	2009	Jheel Samrakshan Samiti, Udaipur, Rajasthan, India
16.	Parayavaran Seva Puruskar	Udaipur	2011	Jheel Samrakshan Samiti, Udaipur, Rajasthan, India

S. No.	Name of Award/Honors	Place	Year	Awarded by
17.	Parayavaran Seva Puruskar	Udaipur	2012	Jheel Samrakshan Samiti, Udaipur, Rajasthan, India
18.	Raja Mirja Ram Singh Award	Jaipur	2014	The Maharani of Jaipur Princely State (Rajasthan, India)
19.	Civil Service Excellence Award	Jaipur	2014	State Govt. of Rajasthan (India)
20.	Zeiss Wildlife Conservation Award (Lifetime achievement award)	Delhi	2019	Carl Zeiss Pvt. Ltd., India
21.	Lifetime Achievement Award	Udaipur	2019	Society for Promotion of Science Education and Research, Udaipur, India
22.	The Sujan Rajasthan Life Time Wildlife Conservation Award	Sawai Madhopur	2020	Tiger Watch, Sawai Madhopur, India
23.	“Prashasti Patra”	Udaipur	2020	Rajasthan Patrika, Udaipur, India

PERSONAL PROFILE:

Date of Birth : 8th July 1956
Nationality : Indian
Marital Status : Married
Language known : Rajasthani, Hindi, English

(Dr. Satish Kumar Sharma)