

**Curriculum Vitae  
of  
Yadvendradev V. Jhala**

***Personal Data***

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Birth

February 27, 1962  
Mumbai, India.

Nationality

Indian

Family

Wife: Rajeshwari

Daughter: Harshini  
Son: Dhananjaysinh

**Position**

**Current: Indian National Science Academy's Senior Scientist at the National Centre of Biological Sciences, Bengaluru**

**Past: Retired Dean & Senior Professor, (Feb 2023) Wildlife Institute of India, Chandrabani, Dehradun.**

***Honorary Positions:***

- 1) Fellow of Indian National Science Academy.
- 2) Fellow of National Academy of Science, India.
- 3) Research Associate of the Conservation and Research Center, Smithsonian Institution, Front Royal, Virginia, U.S.A. 1993-2013.
- 4) Senior Research Associate, Department of Zoology, University of Oxford, Oxford, United Kingdom.
- 5) IUCN SSC Specialist Groups: Cats, Canids, Hyenas, Bustards.
- 6) Life Member of the Bombay Natural History Society.

***Academic Qualifications***

**Doctor of Philosophy (1987-1991) in Wildlife Science from Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061, U.S.A.**

Dissertation title: Habitat and Population Dynamics of Wolves and Blackbuck in Velavadar National Park, Gujarat, India.

Dissertation Chairman: Dr. Robert H. Giles, Jr. (Professor, Wildlife Management).

**Master of Science** (1983-1985) in Zoology (Animal Physiology) from The University of Bombay, India. First Class, First Rank in Zoology at the University (75%).

**Bachelor of Science** (1981-1983) in Zoology (major), Botany and Chemistry (subsidiary), from The University of Bombay, India. First Class, First Rank in Zoology at the University (77%).

**Post-doctoral Research Fellow** at the Department of Zoological Research, National Zoological Park, Smithsonian Institution, Washington, DC, USA, (1992).

**Special Course:** Wildlife Conservation and Management Training Program (1986) at the Conservation and Research Center, Smithsonian Institution, Front Royal, Virginia, U.S.A.

### ***Awards, Grants and Scholarships***

Government Daxina Fellowship (1983)

National Merit Scholarship (1984 – 1985)

University Grants Commission Junior Research Fellowship (1986)

Pratt Fellowship from the College of Agriculture and Animal Sciences at Virginia Polytechnic Institute and State University (1990-1991)

Smithsonian Institution's Post Doctoral Research Fellowship (1992-1993).

Awarded \$ 20,000 Grant from the **National Geographic Society** for a one year for Conservation Research on the Indian Wolf (1993).

Grant of \$ 12,000 from the **Smithsonian Institution** and \$ 6,000 from the **Friends of the National Zoo**, Washington, D.C. for conducting the International Wildlife Conservation and Management Training Program in India (1994).

Grant of Rs. 261,000 from the Wildlife Institute of India for the research project "Validation of the Pug-Mark Census technique for large Felids." (1994)

Grant of \$ 18,000 from the National Fish and Wildlife Foundation for Conservation Research on the Indian Wolf (1995).

Grant of Rs. 5,765,700 from the U.S. Fish and Wildlife Service allocations of the U.S. India Fund for Conservation Research on Indian Wolves (1996-2003).

**FAO** fellowship for a one month study at the Serengeti Wildlife Research Centre, Seronara, Tanzania. (1996).

GEF sponsored Grant through Gujarat Forest Department to WII of Rs. 34,84,200 for “Monitoring Impact of India Ecodevelopment Project on Gir Protected Area” 2001-2002.

USFWS Grant from Conservation of Endangered Species Fund for “Population Monitoring of Asiatic lions and their Ecosystem” U.S. \$ 6,000 for the year 2003.

Grant of Rs. 35 lakhs (\$87,500) by Project Tiger Directorate for Pilot Project on Monitoring Tigers, developing protocols, and radio telemetry to study dispersal corridors in the Satpura Maikal Landscape, MP 2004-2006

Grant Rs. 350 lakhs (\$875,000) from National Tiger Conservation Authority for 2005-2007 for “All India Monitoring Tigers, Co-Predators, Prey and their Habitat”.

Grant of Rs. 11.4 lakhs (\$28,500) from West Bengal Forest department for GPS-Satellite Telemetry study of Tiger Ecology & Population Status in the Sunderbans, 2005-2007.

Grant for \$ 180,000 for conducting Training of Trainers Course for Tiger Conservation Practitioners, by the Smithsonian Institution through the World Bank’s Global Tiger Initiative program (February-March 2010).

Grant of Rs. 60,000,000 by the National Tiger Conservation Authority, Govt. Of India for Evaluating the Status of Tigers, Co-Predators, Prey and their Habitat in India 2010-2011.

Grant of Rs. 80,000,000 by the National Tiger Conservation Authority, Govt. Of India for Evaluating the Status of Tigers, Co-Predators, Prey and their Habitat in India 2014.

Received the **Wildlife Service Award-2008** from Sanctuary Asia and Royal Bank of Scotland for “Tiger Conservation Work in India” on January 29, 2009 at the National Center of Performing Arts, Mumbai.

Received the **Carl Ziess Award-2009** “Tiger Conservation” Habitat Center, New Delhi.

Grant of \$ 6,000 from Mohamed Bin Zayed Conservation Fund for Conserving Great Indian Bustard occupied landscapes through understanding and participatory planning 2011.

Grant of \$ 20,000 from the **USFWS** for Conserving Great Indian Bustard occupied landscapes through understanding and participatory planning 2012.

Grant of \$ 20,000 from the **National Geographic Society** for a one year for Conserving Great Indian Bustard occupied landscapes through understanding and participatory planning 2012-2015.

Grant of Rs. 60,000,000 for country wide assessment of tigers, copredators, and prey 2014-15, by National Tiger Conservation Authority, Government of India.

Grant Commitment of Rs. 350,000,000 from CAMPA, Govt. of India for 5 (2016-2020) years for Conservation of the Great Indian Bustard.

Grant of Rs. 30,000,000 for developing and implementing MSTripES across all Tiger Reserves in India, by National Tiger Conservation Authority, Government of India.

Grant of Rs. 80,000,000 for country wide assessment of tigers, copredators, and prey 2018-19, by National Tiger Conservation Authority, Government of India.

Lead Author for the **Guinness's World Record** awarded for the largest wildlife survey in 2020.

Committed Grant of Rs. 50 Crore as Lead Scientist on the Cheetah Introduction Project of the Government of India (2021).

### ***Professional Experience***

- 1) Lecturer in Zoology at St. Xavier's College affiliated to the University of Bombay (1985-1987). Courses in Animal Physiology, Genetics, Comparative Phylogeny, Cytology, Histology, Hematology, Endocrinology, Entomology and Ecology along with the associated laboratory work were taught to the Bachelor of Science Degree candidates.
- 2) Graduate Teaching Assistant (1987), Department of Fisheries and Wildlife Science, Virginia Polytechnic Institute and State University, Blacksburg, Virginia. Supervisor: Dr. Robert H. Giles, Jr. (Professor, Wildlife Management). Duties included assisting in teaching Systems Ecology and Computer Applications to Wildlife Management for the Graduate and Undergraduate Courses.
- 3) Co-Principal Investigator on the research project "*Habitat and Population Dynamics of Wolves and Blackbuck in Velavadar National Park, Gujarat, India (1988-1990)*". The project was funded by the U. S. Fish and Wildlife Service and was conducted in collaboration with the Bombay Natural History Society and the Department of Fisheries and Wildlife Science, Virginia Polytechnic Institute and State University.
- 4) Course Instructor for the **Smithsonian Institution's International Wildlife Conservation and Management Training Program (1991-94)**. Courses were conducted at:
  - I. The Conservation and Research Center, Smithsonian Institution, Front Royal, Virginia, USA.
  - II. Center for Conservation Biology, East China Normal University, Shanghai, P.R. China,
  - III. Mikumi National Park, Tanzania,

- IV. Tamanagara, Malaysia, in collaboration with the Department of Wildlife and National Parks,
- V. The Wildlife Institute of India, Dehradun, India.

Over 130 trainees from 25 tropical and sub-tropical countries were trained in these 6 courses.

- 5) Post Doctoral Research on: **Reproductive Energetics of Tree Shrews** (*Tupaia tana* and *T. minor*) at the National Zoological Park, Smithsonian Institution. The research involves respirometry and D<sub>2</sub><sup>18</sup>O techniques to estimate body water turnover rates, milk consumption, production, and energy metabolism of mothers and young (1992-93).
- 6) **FAO Consultant** in Sri Lanka for two and half months (1995) for training Park Managers in Wildlife Science and Management.
- 7) **Scientist (Faculty) E, F, G at Wildlife Institute of India** since 1993 till February 2023. Responsibilities include Teaching Graduate Courses, Training, Research, Administration and Advisory to State and Central Governments. Over 30 years of teaching and research experience in wildlife science.
- 8) Invited Guest Professor at BOKU, University of Natural Resources and Life Sciences, Vienna, Austria, 2019 for conducting a course on Applied Population Ecology & Conservation Biology.

### **Skills and Specializations**

- a) Quantitative Ecology; b) Population Ecology; c) Landscape scale surveys and abundance estimation; d) Conservation planning; e) Large carnivore ecology and conservation; f) Ungulate ecology and conservation; g) Experienced in capture and immobilization, with over 150 individuals of endangered species captured, h) VHF, GPS, Satellite, and Recapture Telemetry, i) Conservation Genetics, j) Reintroduction of carnivores and megaherbivores.

### **Duties as Dean & Scientist G at WII**

Faculty: Training Protected Area Managers, Teaching Masters Courses, Guiding Masters and Doctoral Students, Assisting Administration, Advising Ministry of Environment & Forests and Climate Change and National Tiger Conservation Authority in Technical Matters and on policy and management. Conducting Research, Coordination and Administration, Data Analysis & Interpretation, Report Preparation and Scientific Publication, Extension Activity.

Dean: In-charge of Academic and Research activities at the Wildlife Institute of India. Performance assessment and work allocation to all faculty members. Administration and Financial responsibility for Masters, Ph.D., Diploma and Certificate courses as well as all Research. Advisory role to the Ministry of Environment, Forests and Climate Change.

Principal Investigator of Projects in 2023:

1) Species Recovery Program for the Great Indian Bustard: Conservation Breeding and subsequent Supplementation & Reintroduction, in-situ threat identification and mitigation.

2) **Reintroduction of the Cheetah in India:** an ambitious Project of the Government of India for reintroducing a viable metapopulation of free ranging cheetah in India.

3) Reintroduction of the wild water buffalo (*Bubalus arnee*) in Kanha Tiger Reserve, Madhya Pradesh.

### ***Professional Talks, Seminars and Meetings***

Delivered over 150 talks at National and International Conferences, Symposia, and Workshops.

### ***Professional Societies & Memberships***

Fellow Indian National Science Academy  
Fellow of National Academy of Science, India  
Member of IUCN SSC Canid Specialist Group  
Member of IUCN SSC Bustard Specialist Group  
Member of IUCN SSC Cat Specialist Group  
Member of IUCN SSC Hyaena Specialist Group  
Research Associate, SCBI, Smithsonian Institution  
Bombay Natural History Society, Life Member  
World Wide Fund for Nature, India, Life Member  
Senior Research Associate, Dept. of Zoology, Oxford University

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### ***Scientific Publications***

Google Scholar	All	Since 2018
<a href="#">Citations</a>	5915	3504

<a href="#">h-index</a>	43	34
<a href="#">i10-index</a>	112	93

1. Jhala, Y. V. and R. H. Giles, Jr. 1991. Conservation and the status of the wolf in Gujarat and Rajasthan, India. *Conservation Biology* 5(4):476-483.
2. Jhala, Y. V., R. H. Giles, Jr. and A. M. Bhagwat. 1992. Water in the ecophysiology of blackbuck. *Journal of Arid Environments* 22(3):261-269. doi.org/10.1016/S0140-1963(18)30644-X
3. Jhala, Y. V. 1993. Predation on blackbuck by the Velavadar wolf pack. *Conservation Biology*. 7(4):874-881.
4. Jhala, Y. V. 1993. Damage to *Sorghum* crop by blackbuck. *Tropical Pest Management*. 39(1):23-27.
5. Jhala, Y. V. 1993. An update on the status and ecology of the Indian wolf (*Canis lupus pallipes*) in C. Vila and J. Castroviejo, eds, International Symposium on Wolves. Leon, Spain, 153pp.
6. Jhala, Y. V. (1997). Seasonal effects on the nutritional ecology of the blackbuck. *J. Applied Ecology*. 34:1348-1358.
7. Jhala, Y. V. and D. K. Sharma. (1997). Child-lifting by wolves in Eastern Uttar-Pradesh, India. *J. Wildlife Research*. 2(2):94-101.
8. Jhala, Y. V., Qureshi, Q. , V. Bhuvra and L. N. Sharma (1999). Population estimation of Asiatic lions. *J. Bombay Natural History Society*. 96(1):3-15.
9. Karki, J. B. and Jhala Y. V. (2000). Grazing lawns in Terai grasslands, Royal Bardia National Park, Nepal. *Biotropica* 32(3):423-429.
10. Ishwaran, K, and Jhala, Y. V. (2000). Variation in lekking costs in blackbuck (*Antelope cervicapra*): relationship to lek-territory location and female mating patterns. *Behavior* 137:547-563.
11. Jhala Y. V. (2000). The Indian Wolf. Encyclopaedia Britannica (India) Pvt. Ltd. New Delhi, Students Britannica. Vol 5: 276-277.
12. Sharma, S. Jhala, Y. V., V. B. Sawarkar (2003). Gender discrimination of tigers from their pugmarks. *Wildlife. Society. Bulletin* 31:258-264.

13. Jhala, Y. V. (2003). Status, Ecology, and Conservation of the Indian Wolf. *J. Bombay Natural History Society* 100(2&3):293-307.
14. Jethva, B. and Y. V. Jhala. (2003). Foraging ecology, economics and conservation of Indian wolves in the Bhal region of Gujarat, Western India. *Biological Conservation*. 116(3):351-357.
15. Jethva, B. and Y. V. Jhala. (2003). Sample size considerations for food habits studies of wolves from scats. *Mammalia* t.68,n<sup>o</sup> 4.589-591.
16. Sharma, D. K., Maldonado, J., Jhala, Y. V. & R. Fleischer. (2004). Ancient wolf lineages in India. *Biology Letters. Proc. R. Soc. Lond. B Suppl.* 271, S1-S4. online on September 8, 2003.
17. Jethva, B. and Y. V. Jhala. (2004). Computing biomass consumption from prey occurrences in wolf scats. *Zoo Biology* 23(6):513-520.
18. Jhala, Y. V. & Moehlman. P. (2004). Golden Jackal *Canis aureus*. Pages 156-161 in C. Sillero-Zubiri, M. Hoffmann and D. Macdonald (Eds.) Canids: Foxes, Wolves, Jackals and Dogs Status Survey and Conservation Action Plan. IUCN/SSC Canid Specialist Group Gland, Switzerland.
19. Johnsingh, A. J. T. & Y. V. Jhala. (2004). Indian Fox (*Vulpus bengalensis*). Pages 219-222 in C. Sillero-Zubiri, M. Hoffmann and D. Macdonald (Eds.) Canids: Foxes, Wolves, Jackals and Dogs Status Survey and Conservation Action Plan. IUCN/SSC Canid Specialist Group Gland, Switzerland.
20. Sharma, S., Jhala, Y. V., V. B. Sawarkar (2005) Identifying individual tigers from their pugmarks. *J. Zoology* 267:9-7.
21. Ishtiaq F., J. Beadell, A. Baker, A. Rahmani, Y. Jhala and R. Fleischer (2005). Prevalence and evolutionary relationships of haematozoan parasites in native versus introduced populations of common myna *Acridotheres tristis*. *Biology Letters. Proc. R. Soc. Lond. B Suppl.* doi:10.1098/RSPB 2005.3313
22. Y. V. Jhala, Q. Qureshi, & R. Gopal (2005) Methodology for estimating and monitoring tiger, prey and habitat. *The Indian Forester* 131(10):1393-1398.
23. Prakash, V. R. E. Green, A. R. Rahmani, D. J. Pain, A. A. Khan, H. S. Baral, **Y. V. Jhala**, R. Naoroji, N. Shah, C. G. R. Bowden, B. C. Choudhury, G. Narayan, P. Gautam. (2005). Evidence to support that diclofenac caused catastrophic vulture population decline. *Current Science* 88(10):1533-1534.
24. Aiyadurai, A., Jhala, Y. V. 2006. Foraging and habitat use by Golden Jackals (*Canis aureus*) in the Bhal region, Gujarat, India. *J. Bom. Nat. Hist. Soc.* 103:5-12.

25. Sharma, D. K. and Y. V. Jhala (2006). Molecular techniques in conservation: the Indian wolves as a case study. *J. Bombay Natural History Society*. 103:375-389.
26. Beadell, J.S., Ishtiaq, F., Covas, R., Melo, M., Warren, B. H., Atkinson, T.C., Bensch, S. Graves, G. R., Jhala, Y.V., Pierce, M. A., Rahmani, A. R., Fonseca, D. M., & R. C. Fleischer. 2006. Global phylogeographic limits of Hawaii's avian malaria. *Proceedings of the Royal Society. B* doi:10.1098/rspb.2006.3671. (London).
27. Ishtiaq F., E. Gering<sup>1</sup>, J. S. Beadel, J. H. Rappole, A. R. Rahmani, **Y. V. Jhala**, C. J. Dove, C. Milensky, M. A. Peirce, R. C. Fleischer (2007) Prevalence and diversity of avian haematozoan parasites in Asia: A regional survey. *Journal of Wildlife Diseases*, 43(3)382–398.
28. Taggart, M.A., K.R. Senacha, R.E. Green, Y.V. Jhala, B. Raghavan, A.R. Rahmani, R. Cuthbert, D.J. Pain , A.A. Meharg. 2007. Diclofenac residues in carcasses of domestic ungulates available to vultures in India. *Environ Int*, doi:10.1016/j.envint.2007.02.010
29. Dutta, S. and Jhala, Y. 2007. Ecological aspects of Indian spiny-tailed lizard *Uromastyx hardwickii* in Kutch. *J. Bom. Nat. Hist. Soc.* 104(3):255-265.
30. Green RE, Taggart MA, Senacha KR, Raghavan B, Pain DJ, Jhala Y, et al. (2007) Rate of Decline of the Oriental White-Backed Vulture Population in India Estimated from a Survey of Diclofenac Residues in Carcasses of Ungulates. *PLoS ONE* 2(8): e686. <https://doi.org/10.1371/journal.pone.0000686>
31. Kandel, R. C. & Y. V. Jhala. 2008. Demographic structure, activity patterns, habitat use, and food habits of *Rhinoceros unicornis* in Chitwan National Park, Nepal. *J. Bombay Natural History Society*. 105(1):5-13.
32. Pain, Deborah J.; Bowden, Christopher G. R.; Cunningham, Andrew A; Cuthbert, Richard; Das, Devojt; Jakati, Ram D.; Jhala, Yadvendra; Khan, Aleem A.; Naidoo, Vinny; Oaks, J. Lindsay; Parry-Jones, Jemima; Prakash, Vibhu; Rahman, Asad; Ranade, Sachin P; Baral, Hem Sagar; Senacha, Kalu Ram; Saravanan, S.; Shah, Nita; Swan, Gerry; Swarup, Devendra; Taggart, Mark A.; Watson, Richard T.; Virani, Munir Z.; Wolter, Kerri; Wolter, Kerri; Green, Rhys E.(2008) The race to prevent the extinction of South Asian vultures. *Bird Conservation International*, 18(S1), S30-S48. <https://doi.org/10.1017/S0959270908000324>
33. Senacha, K.R., Taggart, M.A., Rahmani, A.R., Jhala, Y.V., Cuthbert, R., Pain, D.J. and Green, R.E., 2008. Diclofenac levels in livestock carcasses in India before the 2006 'ban'. *J. Bombay Nat. Hist. Soc.* 105, pp.148-161.

34. Banerjee, K., Jhala, Y.V., & Pathak, B. (2009). Demographic structure and abundance of Asiatic lions *Panthera leo persica* in Girnar Wildlife Sanctuary, Gujarat, India. *Oryx*, doi: 10.1017/S0030605309990949
35. Jhala Y. V., Mukherjee, S., Shah, N. Chauhan, K. S., Dave, C., Meena, V. & Banerjee, K. 2009. Home range and habitat preference of female lions (*Panthera leo persica*) in Gir forests, India. *Biodiversity & Conservation*, 18:3383–3394 DOI 10.1007/s10531-009-9648-9
36. Sharma, R.K., Y. Jhala, Q.Qureshi, J.Vattakaven, R.Gopal & K.Nayak (2010) Evaluating capture–recapture population and density estimation of tigers in a population with known parameters. *Animal Conservation*, ISSN 1367-9430. doi:10.1111/j.1469-1795.2009.00305.x
37. Mark A. Taggart, M. A., K. R. Senacha, R. E. Green, R. Cuthbert, Y. V. Jhala, A. A. Meharg, R. Mateo, and D. J. Pain. (2009). Analysis of Nine NSAIDs in Ungulate Tissues Available to Critically Endangered Vultures in India. *Environ. Sci. Technol.*, DOI: 10.1021/es9002026
38. Home, C. & Jhala, Y. V. (2010) Food habits of the Indian fox (*Vulpes bengalensis*) in Kutch, Gujarat, India. *Mammalian Biology*, 74:403-411.
39. Home, C. and Jhala, Y. V. 2010. Estimating breeding pair densities of the Indian fox in Kutch, Gujarat, India. *Canid News* 13.2.
40. Gopal, R.G., Qureshi, Q., Bharadwaj, M., Jagdish Singh, & **Jhala, Y. V.** (2010) Evaluating the status of the endangered tiger *Panthera tigris* and its prey in Panna Tiger Reserve, Madhya Pradesh, India. *Oryx* 44(3):383-389.
41. Sharma, R. and Jhala Y. V. (2010) Monitoring tiger populations using intensive search in a capture–recapture framework. *Population Ecology* 53(2):373-381. DOI: 10.1007/s10144-010-0230-9
42. Jhala, Y. V, Q. Qureshi, & Rajesh Gopal (2011) Can the abundance of tigers be assessed from their signs? *Journal of Applied Ecology* 48(1):14-24.
43. Dutta, S., A. R. Rahmani & Y. V. Jhala (2011) Running out of time? The great Indian bustard *Ardeotis nigriceps*—status, viability, and conservation strategies. *European Journal of Wildlife Research* 57(3):615-625.
44. Ishtiaq, F., Dutta, S., Yumnam, B., & **Y. V. Jhala** (2011). Low genetic diversity in the endangered great Indian bustard (*Ardeotis nigriceps*) across India and implications for conservation. *Conservation Genetics* DOI 10.1007/s10592-011-0206-0.

45. Meena, V., Jhala, Y.V., Chellam, R. and Pathak, B. (2011). Implications of diet composition of Asiatic lions for their conservation. *Journal of Zoology* 284: 60-67.
46. Jhala, Y., Qureshi, Q. & R. Gopal. 2011. Counting India's wild tigers reliably: A response. *Science* ISSN 0036-8075 (print), 1095-9203 (online).
47. Majumdar A., Qureshi, Q., Sankar, K., Basu, S., Jhala, Y. V. (2011). Occupancy and abundance of dhole (*Cuon alpinus*) in Pench landscape of Central India. *J. Bombay Natural History Society*, 108(3):158-126.
48. Sharma, R., Qureshi, Q. and Jhala Y. V. 2011. Home range size of a tigress in Sundarbans, India: preliminary results. *Cat News* 54.
49. Bannerjee, K. & Y. V. Jhala. (2012). Demographic parameters of endangered Asiatic lions (*Panthera leo persica*) in Gir Forests, India. *Journal of Mammalogy*, 93(6):1420-1430. DOI: <http://dx.doi.org/10.1644/11-MAMM-A-231.1>
50. Divya, R., Home, C. Jhala, Y. V., Qureshi, Q. (2012). Calibration of a burrow count index for the Indian desert jird, *Meriones hurrianae*. *Population Ecology* DOI 10.1007/s10144-012-0340-7.
51. Majumdar, A., Basu, S., Sankar, K., Qureshi, Q., Jhala, Y. Nigam, P. and Gopal R. (2012). Home ranges of Bengal tiger (*Panthera tigris tigris* L.) in Pench Tiger Reserve, Madhya Pradesh, Central India. *Wildlife Biology in Practice* 8(1). DOI: 10.2461/wbp.2012.8.4
52. Driscoll, C.A., Chestin, I., Jungius, H., Pereladova, O., Y. Darman, E. Dinerstein, J. Seidensticker, J. Sanderson, S. Christie, S.J. Luo, M. Shrestha, Y. Zhuravlev, O. Uphyrkina, Y.V. Jhala, S.P. Yadav, D.G. Pikunov, N. Yamaguchi, D.E. Wildt, J.L.D. Smith, L. Marker, P.J. Nyhus, R. Tilson, D.W. Macdonald & S.J. O'Brien. (2012). A postulate for tiger recovery: the case of the Caspian Tiger. *Journal of Threatened Taxa*, 4(6): 2637–2643
53. Banerjee K, **Jhala YV**, Chauhan KS, Dave CV (2013). Living with Lions: The Economics of Coexistence in the Gir Forests, India. *PLoS ONE* 8(1): e49457. doi:10.1371/journal.pone.0049457.
54. **Jhala, Y. V.** (2013). Indian wolf. Pages 377-391, *in* *Mammals of South Asia*, A. J. T. Johnsingh & N. Manjrekar (eds), University Press, Hyderabad.

55. Johnsingh, A. J. T & **Jhala, Y. V.** (2013). Indian Fox. Pages 355-365, *in* Mammals of South Asia; A. J. T. Johnsingh & N. Manjrekar (eds), University Press, Hyderabad.
56. **Jhala, Y. V.** (2013). Striped hyena. Pages 522-530, *in* Mammals of South Asia; A. J. T. Johnsingh & N. Manjrekar (eds), University Press, Hyderabad.
57. **Jhala, Y. V.** & Moehlman, P. (2013). Golden jackal. Pages 366-376, *in* Mammals of South Asia A. J. T. Johnsingh & N. Manjrekar (eds), University Press, Hyderabad.
58. Moehlman, P & **Jhala, Y. V.** (2013). Golden jackal. Pages 35-38, *in* Mammals of Africa; J. Kingdon & M. Hoffmann (eds), Bloomsbury Publishing, London.
59. Karki, J. B., Pandav, B., Jnawali, S. R., Shreshta, R., Pradhan, N. M. B., Lamichane, B. R., Khanal, P., Subedi, N., **Jhala, Y. V.** 2013. Estimating the abundance of Nepal's largest population of tigers *Panthera tigris*. *Oryx*, 1-7. doi: 10.1017/S0030605323000472
60. Subedi, N., Jnawali, S. R., Dhakal, M., Pradhan, N. M. B., Lamichane, B. R., Malla, S., Amin, R., **Jhala, Y. V.** 2013. Population status, structure and distribution of the greater one-horned rhinoceros *Rhinoceros unicornis* in Nepal. *Oryx*, 47(3):352-360. doi:10.1017/S0030605313000562.
61. Yumnam, B., **Jhala, Y. V.**, Qureshi, Q. Maldonado, J. E. Gopal, R., Saini, S. Srinivas, Y. & Fleischer, R. C. 2014. Prioritizing tiger conservation through landscape genetics and habitat linkages. *PLoS ONE* 9(11):e111207. doi:10.1371/journal.pone.0111207.
62. Sergio, F., Schmitz, O. J., Krebs, C. J., Holt, R. D., Heithaus, M. R., Wirsing, A. J., Ripple, W. J., Ritchie, E., Ainley, D., Oro, D., **Jhala, Y.**, Hiraldo, F. and Korpimäki, E. (2014), Towards a cohesive, holistic view of top predation: a definition, synthesis and perspective. *Oikos*, 123: 1234–1243. doi: 10.1111/oik.01468
63. Kumar Nishant, Dhananjai Mohan, Y. V. Jhala, Qamar Qureshi & Fabrizio Sergio (2014): Density, laying date, breeding success and diet of Black Kites *Milvus migrans govinda* in the city of Delhi (India), *Bird Study*, 61 (1), page 1-8
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### **Graduate Dissertations Supervised**

*Post-graduate teacher and Ph.D. guide of Saurashtra University, and Ph.D. Guide of Forest Research Institute (Deemed University) Dehradun and Sagar University, Sagar Madhya Pradesh. Committee member of Ph.D. scholars at University of Florida, Gainesville USA; Yale University, Connecticut, USA; & Oxford University, Oxford, UK.*

### **Masters Thesis**

1. Ishwaran Kavita. 1995. A study of lekking in blackbuck in Velavadar National Park. MSc dissertation, Saurashtra University, Rajkot, Gujarat, India.
2. Arthur Rohan. 1995. Effects of anthropogenic stress on coral communities in the intertidal zone of Gulf of Kutch. MSc dissertation, Saurashtra University, Rajkot, Gujarat, India.
3. Karki Jamak Bahadur. 1997. Effects of utilization, management and grazing on the grasslands of Royal Bardia National Park, Nepal. MSc dissertation, Saurashtra University, Rajkot, Gujarat, India.
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8. Vinayak Patil (2002). Jackal densities, breeding biology and ranging patterns in the Bhal. M.Sc. Dissertation, Forest Research Institute, Deemed University, Dehradun, India. 55pp.
9. Kartikeya Singh Chauhan (2002). Grassland community structure and ungulate densities in Daun grasslands of Kutch. Thesis submitted for Post Graduate Diploma in Ecology and Environment to the Indian Institute of Ecology and Environment, New Delhi.
10. Ramchanddra Kandel (2003). Aspects of foraging, activity, habitat use and demography of rhinoceros (*Rhinoceros unicornis* Linn.) in Royal Chitwan National Park, Nepal. Wildlife Institute of India, Saurashtra University, Rajkot. 78pp.
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45. Ananya Sengupta, 2020. Characterization of complete mitogenome and genetic diversity of Indian Pariah Dog. Submitted to Graphic Era University, Dehradun.
46. Vishnu Vardhan, 2021. Conserving Natural Heritage through Genetic assessment: The case of Snow Leopards in Ladakh. Submitted to Saurashtra University, Rajkot.
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3. Priyadarshini, K. V. R. (2006). Interactions between Forage, Recruitment and Activity Patterns of Blackbuck (*Antelope cervicapra*). Ph.D. Dissertation, Saurashtra University, Rajkot, India.
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10. Dutta Sutirtha (2012). Ecology of the Great Indian Bustard (*Ardeotis nigriceps*) in Kachchh, Gujarat with reference to resource selection in an agro-pastoral landscape. Ph.D. Dissertation, FRI University, Dehradun, India.
11. Subedi Naresh (2012). Effect of *Mikania micrantha* on the demography, habitat use, and nutrition of Greater One Horned Rhinoceros in Chitwan National Park, Nepal. Ph.D. Dissertation, FRI University, Dehradun, India.
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22. Banerjee Sudeep (2022). Spatial abundance of ungulates and role of predation on chital demography and behavior in Corbett Tiger Reserve, India. Ph.D. Thesis, Saurashtra University, Rajkot, India.
23. Srinivas, Y. (2022). Population genetic structure and hybridization within genus *Canis* in India. Doctoral dissertation, Saurashtra University, Rajkot, India, pp 204.
24. Basu Anindhita (2023) (Co-Guide). A study on predation ecology of large carnivores with special reference to human-carnivore conflicts in Pench Tiger Reserve, Madhya Pradesh, Central India. Ph.D. Thesis Saurashtra University, Rajkot, Gujarat.
25. Ashok Kumar (2023). Aspects of the ecology of ungulates in Nagarjunasagar Srisailem Tiger Reserve (NSTR), Andhra Pradesh, India. Ph.D. Thesis Saurashtra University, Rajkot, Gujarat.
26. Anup Pradhan (2024). Resource Partitioning of Non-Pantherine Carnivore Community in Kanha Tiger Reserve, MP, India. Saurashtra University, Rajkot, Gujarat.
27. Keshab Gogoi 2025. Land, lions, and locals: Understanding the distribution of lions and large carnivore interactions in the Greater Gir landscape of Saurashtra. FRI Deemed University, Dehradun.

**Six** Ph.D. students currently being supervised.

### **Completed and Ongoing Research Projects**

Conservation of Indian Wolves (1994-2007)

“Research and Conservation of Threatened and Endangered Fauna of Kutch: An Integrated Approach”: Studies on wolves, hyenas, Indian fox, Great Indian Bustard, lesser florican, and vultures in Kutch.

Ecology of Lions in the Greater Gir Ecosystem. Telemetry studies on the behaviour, reproductive strategies, habitat use, predation, and conflicts of Asiatic lions in and around Gir Forests (1999-2020).

“Tiger Habitat and Population Evaluation System for the Indian sub-continent” project of the Project Tiger Directorate, Ministry of Environment and Forests. 2002-2005.

Ecology of Tigers in Kanha Tiger Reserve – Satellite/GPS/ VHF based telemetry studies on Tigers to study dispersal, ranging patterns, & predation Ecology (2007-2023).

Ecology of Tigers in Sunderbans - Satellite/GPS/ VHF based telemetry studies on Tigers to study dispersal, ranging patterns, predation ecology, and population estimation (2009-2018).

Ecology of Tigers in Ranthambore - Satellite/GPS/ VHF based telemetry studies on Tigers to study dispersal, ranging patterns, predation ecology, and population estimation (2007-2017).

Reintroduction of the Cheetah to India. 2010-2023.

MSTripes : Development and implementation of a “Monitoring System for Tigers : Intensive Patrolling and Ecological Status” (2010-2023).

Conservation and Species Recovery of the Great Indian Bustard: Studies on ecology, habitat restoration and conservation breeding of the species to prevent its extinction. (2016-2023).

### **Collaborating Scientists**

Dr. Chris Carbone, Zoological Society of London, UK

Dr. Robert Fleischer, Chief Geneticist, National Zoological Park, Smithsonian Institution.

Dr. Rajan Amin, Institute of Zoology, Regents Park, London, UK.

Dr. Murray Efford, Otago University, New Zealand.

Dr. Sergio Fabrizio, Spanish National Research Council, Madrid, Spain.

Dr. Joseph Bump, Wildlife, Fisheries & Conservation Biology, University of Minnesota, Mn. USA.

Dr. Laurie Marker, Cheetah Conservation Fund, Otjiwarango, Namibia.

Dr. Naresh Subedi, National Trust for Nature Conservation, Nepal.

Dr. Matt Hayward, University of New Castle, Australia.

### **Media Coverage**

Over 500 interviews and coverage in Media: National & International Print, TV, & Radio.

**Wildlife Films (based on my work):**

- 1) **National Geographic Television** 1998: Man eaters of India – based on research on attacks by wolves on children in Eastern Uttar Pradesh.
- 2) **BBC Natural World Series** 2005: “Desert Wolves of India” – Film Based on research on wolves in Kutch.
- 3) **Animal Planet 2017:** Sundarban Tigers Unveiled – a film based on tiger research in the mangrove forests of the Indian Sundarbans using satellite telemetry.
- 4) **National Geographic & iTV : Counting Tigers 2019.** Released in nine International languages world over. Produced by Optimum Television. Telecast by National Geographic in India and iTV in other countries. The film covers India’s Tiger Status Assessment of 2018. The film was conceived, facilitated and communicated by Y. Jhala.