



Bilal Habib

Ph.D.

Scientist

Profile

I am a conservation biologist interested in the integration of quantitative and interdisciplinary approaches to conservation challenges. With the interest in nature conservation, human-wildlife interactions, larger carnivore conservation, and other megafauna in human-dominated landscapes. I have been involved in field research since 2001. My doctoral research was on the ecology of the Indian wolf in the Great Indian Bustard Sanctuary, Maharashtra, India. Before joining the Wildlife Institute of India, I worked as Wildlife Survey Program Manager for the Wildlife Conservation Society's Afghanistan Biodiversity Project and was involved in the design and coordination of wildlife surveys in the Wakhan Corridor (Pamirs), capacity building in the environment sector and development of the Red List. My research species and system range from Wolves in semi-arid and trans-Himalayan landscapes, Leopards from the Himalayas to Central India, Dholes from low density to high-density areas, Marco polo sheep and Snow Leopard in the Afghan Pamirs to understanding movement of large carnivores in a human-dominated landscape in response to Anthropocene. My research interest includes integrating science-based solutions to developmental activities especially linear infrastructure.

I continuously aim to generate scientific knowledge, even integrating innovative perspectives and technologies, to inform managers, policy-makers, interested stakeholders, and the general public, for effective conservation and management of nature.

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Curriculum Vitae

- **Department of Animal Ecology & Conservation Biology**
Head/Scientist - E

Education

- **Ph. D. Wildlife Science**
Aligarh Muslim University, Aligarh - 2007
- **M. Sc. Wildlife Science**
Aligarh Muslim University, Aligarh - 2001
- **B. Sc. Biology**
University of Kashmir, Srinagar - 1999

Academic Positions

- **Head**
2018 - Present
Department of Animal Ecology and Conservation Biology, WII
- **Scientist - E**
2017 - Present
Department of Animal Ecology and Conservation Biology, WII
- **Scientist - D**
2013 - 2016
Department of Animal Ecology and Conservation Biology, WII
- **Scientist - C**
2008 - 2012
Department of Animal Ecology and Conservation Biology, WII
- **Manager, Wildlife Survey Program**
2007 - 2008
Afghanistan Biodiversity Project implemented by the Wildlife Conservation Society, USA
- **Assistant Biodiversity Expert**
2006 - 2007
Afghanistan Biodiversity Conservation Project implemented by International Snow Leopard Trust and Wildlife Conservation Society, USA

Contact

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Mission Statement (WII):

To nurture the development of Wildlife Science and promote its application in conservation, in consonance with our cultural and socio-economic milieu.



भारतीय वन्यजीव संस्थान
Wildlife Institute of India

AWARDS:

2013 UNESCO MAB Young Scientist Award

GRANTS GENERATED:

Grants Generated	Rs. 43,13,72,516.00	2008 - 2019
Grants Under Consideration	Rs. 5,60,18,120.00	2020

PROFESSIONAL ACTIVITIES:

Associate Editor: Journal of Ecology and Evolution
 Guest Editor: Diversity Special Issue on "Transportation Infrastructure Impacts on Biodiversity in Emerging Economies"
 Review Editor: Frontiers in Ecology and Evolution

PERSONAL INFORMATION:

Date of Birth : 22nd March 1977
 Marital Status : Married
 Nationality : Indian
 Passport No : H5233517
 Languages : English, Hindi, Urdu, Kashmiri, Marathi, Dari

SUMMARY OF OUTPUTS:

Publications Submitted or in Revision	13
Journal Publications	69
Books & Book Chapters	06
Research/ Technical and Other Reports	64
Reports as Part of Govt. of India & State Committees	29
Popular Articles	12
M.Sc. Dissertations	16
Ph.D. Dissertations (Supervisor)	14
Ph.D. Dissertations (Co-supervisor)	03
International Ph.D. Affiliates	04
National Seminar/ Workshop Presentations	55
International Seminar/ Workshop Presentations	15
Submitted Research Grant Proposals	06
Ongoing Research Projects	11
Completed Research Projects	22

RESEARCH INTEREST:

Ecology, Population Dynamics and Population Models, Human-Animal Interactions, Animal Behaviour, Ecology and Advanced Modelling, Prey-Predator Dynamics, Movement Ecology, Large Carnivore Ecology, Conservation and Development, Linear Infrastructure, etc.

RESEARCH AND TEACHING EXPERIENCE:

Research Experience: 18 Years
 Teaching Experience: 12 Years

PUBLICATIONS SUBMITTED OR IN REVISION:

- 01 Nilanjan Chatterjee., Stephanie G. Schuttler., Parag Nigam and Bilal Habib: Deciphering the rarity-detectability continuum: optimizing survey design for terrestrial mammalian community. **(Submitted to: Remote Sensing in Ecology and Conservation - 13.08.2020).**
- 02 Daniel Read., Bilal Habib., Jared Stabach and Peter Leimgruber: Human movement influenced by perceived risk of wildlife encounters at fine scales: Evidence from central India. **(Submitted to (Revision): Biological Conservation - 12.08.2020).**
- 03 Bilal Habib., Pallavi Ghaskadbi., Shaheer Khan., Zehidul Hussain and Parag Nigam: Not a cakewalk: Insights into movement of large carnivores in human dominated landscape in India. Authorea. July 27, 2020, DOI: 10.25541/au.159585868.87226708 **(Submitted to: Ecology and Evolution – 23.07.2020).**
- 04 Shrutarshi Paul., Debanjan Sarkar., Abhilash Patil., Tista Ghosh., Gautam Talukdar., Mukesh Kumar., Bilal Habib., Parag Nigam., Dhananjai Mohan., Bivash Pandav and Samrat Mondol: Assessment of endemic northern swamp deer (*Rucervus duvaucelii duvaucelii*) distribution and identification of priority conservation areas through modeling and field surveys across north India. **(Submitted to: Global Ecology and Conservation - 21.07.2020).**
- 05 Aishwarya Bhandari., Pallavi Ghaskadbi., Parag Nigam and Bilal Habib: Dhole pack size variation: Assessing effects of prey availability and apex predator. Authorea. July 21, 2020, DOI: 10.25541/au.159534682.28220257 **(Submitted to: Ecology and Evolution – 20.07.2020).**
- 06 Nilanjan Chatterjee., Parag Nigam and Bilal Habib: Population estimate, habitat-use and activity patterns of Honey-badger in dry-deciduous forest of central India. **(Submitted to: Frontiers Ecology and Evolution – 20.07.2020).**
- 07 Akanksha Saxena., Nilanjan Chatterjee., Asha Rajvanshi and Bilal Habib: Integrating Large Mammal Behaviour and Traffic Flow to Determine Traversability of Roads with Heterogeneous Traffic on a Central Indian Highway **(Submitted to (Revision): Scientific Reports - 17.07.2020).**
- 08 Salvador Lyngdoh and Bilal Habib: Predation by Himalayan Wolves: Understanding conflict and co-existence amongst Spiti Bhot community and large carnivores in High Himalaya **(Submitted to: PloS One - 07.07.2020).**
- 09 Hussain S. Reshamwala., Neeraj Mahar, Rodolfo Dirzo and Bilal Habib: Successful Neighbour: Interactions of the generalistic carnivore Red fox with dogs, wolves and humans for continued survival in dynamic anthropogenic landscapes. **(Submitted to: Global Ecology and Conservation - 10.06.2020).**
- 10 Sarika Khanwilkar., Carlos F. Gould., Ruth DeFries., Bilal Habib and Johannes Urpelainen: LPG adoption by marginalized, forest-fringe populations in central India. **(Submitted to: Energy Research and Social Science - 20.05.2020).**
- 11 Bilal Habib., Pallavi Ghaskadbi and Parag Nigam: Rethinking conservation frontiers: Tigers outside protected areas as conflict recipe or conservation currency. **(Submitted to: Frontiers Ecology and Evolution – 15.06.2019).**
- 12 Parag Nigam., Animesh Talukdar., Bilal Habib., Bivash Pandav., P. K. Malik, and S Kalyanasundaram, Haematologic and serum biochemical reference values in chemically immobilized free ranging sambar (*Rusa unicolor*, kerr, 1792) **(Submitted to (Revision): European Journal of Wildlife Research – 31.07.2020).**
- 13 Bilal Habib., Pallavi Ghaskadbi., Parag Nigam., Shrushti Modi., P. S. Kumar, K. Sharma., V. Singh, B. Kumar, A. Tripathi, H. Kothandaraman, and S. Yellaboina, 2018. The Cuon Enigma: Genome survey and comparative genomics of the endangered Dhole (*Cuon alpinus*). bioRxiv, p.443119.

JOURNAL PUBLICATIONS:

- 01 2020 Joshi, B., Lyngdoh, S., Singh, S. K., Sharma, R., Kumar, V., Tiwari, V. P., Dar, S. A., Maheshwari, A., Pal, R., Bashir, T., Reshamwala, H. S., Shrotriya, S., Sathyakumar, S., Habib, B., Kvist, L., and Goyal, S. P. (2020). Revisiting the Woolly wolf (*Canis lupus chanco*) phylogeny in Himalaya: Addressing taxonomy, spatial extent and distribution of an ancient lineage in Asia. *Plos one*, 15(4), e0231621.
- 02 2020 Chatterjee, N., Nigam, P., & Habib, B. (2020). Population density and habitat use of two sympatric small cats in a central Indian reserve. *Plos one*, 15(6), e0233569.
- 03 2020 Bhattacharya, A., Chatterjee, N., Rawat, G. S., & Habib, B. (2020). Blue Sheep Resource Selection in Alpine Grasslands of a Western Himalayan Landscape—A Point Process Approach. *Zoological Studies*, 59.
- 04 2020 Noor, A., Mir, Z. R., Veeraswami, G. G., & Habib, B. (2020). Density of leopard in a moist-temperate forest of western Himalaya, India. *Tropical Ecology*, 1-10.
- 05 2020 Balajeid Lyngdoh, S., Habib, B., & Shrotriya, S. (2020). Dietary spectrum in Himalayan wolves: comparative analysis of prey choice in conspecifics across high-elevation rangelands of Asia. *Journal of Zoology*, 310(1), 24-33.
- 06 2020 Bhattacharya, A., Chatterjee, N., Angrish, K., Shrotriya, S., Sinha, B. C. & Habib, B. (2020). First Photographic Evidence of Himalayan Brown Bear from Lippa- Asrang Wildlife Sanctuary, Himachal Pradesh, India. *International Bear News Vol. 29 No. 1*
- 07 2019 Khan, S., Chatterjee, N., & Habib, B. (2019). Testing performance of large-scale surveys in determining trends for the critically endangered Great Indian Bustard *Ardeotis nigriceps*. *Scientific reports*, 9(1), 1-8.
- 08 2019 Sadhukhan, S., Hennelly, L., & Habib, B. (2019). Characterising the harmonic vocal repertoire of the Indian wolf (*Canis lupus pallipes*). *PloS one*, 14(10), e0216186.
- 09 2019 Saxena, A., Lyngdoh, A., Rajvanshi, A., Mathur, V., & Habib, B. (2019). Saving wildlife on India's roads needs collaborative and not competitive efforts. *Current Science*, 117(7), 1137.
- 10 2019 Shrotriya, S., Chatterjee, N., & Habib, B. (2019). Casual analysis and short-sighted inferences: A response to Majgaonkar et al. 2019. *Conservation Science and Practice*, 1(12), e124.
- 11 2019 Paul, S., Ghosh, T., Pandav, B., Mohan, D., Habib, B., Nigam, P., & Mondol, S. (2019). Rapid molecular assays for species and sex identification of swamp deer and other coexisting cervids in human-dominated landscapes of the Terai region and upper Gangetic plains, northern India: implications in understanding species distribution and population parameters." *Journal of genetics* 98, no. 2: 44.
- 12 2019 Biswas, S., Bhatt, S., Paul, S., Modi, S., Ghosh, T., Habib, B., Nigam, P., Talukdar, G., Pandav, B., & Mondol, S. (2019) A practice faeces collection protocol for multidisciplinary research in wildlife science. *Current Science*, 116(11), 1878.
- 13 2019 Modi, S., Habib, B., Ghaskadbi, P., Nigam, P., & Mondol, S. (2019). Standardization and validation of a panel of cross-species microsatellites to individually identify the Asiatic wild dog (*Cuon alpinus*). *PeerJ*, 7, e7453.
- 14 2019 Bhattacharya, A., Chatterjee, N., Angrish, K., Shrotriya, S., Sinha, B. C., and Habib, B. (2019). First photographic evidence of snow leopard from Lippa Asrang Wildlife Sanctuary, India. *CATnews* 69.
- 15 2019 Read, D. J., Mawaskar, R. G., & Habib, B. (2019). Translating legitimacy: Perspectives on institutions for human-wildlife coexistence in central India. *Geoforum*, 101, 38-48.

- 16 2018 Paul, S., Pandav, B., Mohan, D., Habib, B., Nigam, P., & Mondol, S. (2018): Current distribution and status of swamp deer *Rucervus duvaucelii duvaucelii* in the upper Gangetic plains of north India. *Oryx*, 1-8.
- 17 2018 Modi, S., Mondol, S., Ghaskadbi, P., Hussain, Z., Nigam, P., and Habib, B. (2018) Non-invasive DNA-based species and sex identification of Asiatic wild dog (*Cuon alpinus*). *Journal of Genetics*.
- 18 2018 Reshamwala, H. S., Shrotriya, S., Bora, B., Lyngdoh, S., Dirzo, R., & Habib, B. (2018). Anthropogenic food subsidies change the pattern of red fox diet and occurrence across Trans-Himalayas, India. *Journal of Arid Environments*, 150, 15-20.
- 19 2018 Jain, P., Bhasin, A., Talukdar, G., & Habib, B. (2018). Distribution and population status of Sambar *Rusa unicolor* (Mammalia: Cetartiodactyla: Cervidae) from Aravalli landscape with a note on its first record from Aravalli Hills of Haryana, India. *Journal of Threatened Taxa*, 10(10), 12357-12362.
- 20 2017 Kershenbaum, A., Déaux, É. C., Habib, B., Mitchell, B., Palacios, V., Root-Gutteridge, H., & Waller, S. (2017). Measuring acoustic complexity in continuously varying signals: how complex is a wolf howl? *Bioacoustics*, 1-15.
- 21 2017 Hennelly, L., Habib, B., Root-Gutteridge, H., Palacios, V., & Passilongo, D. (2017). Howl variation across Himalayan, North African, Indian, and Holarctic wolf clades: tracing divergence in the world's oldest wolf lineages using acoustics. *Current Zoology*, 63(3), 341-348
- 22 2017 Noor, A., Mir, Z. R., Veeraswami, G. G., & Habib, B. (2017). Activity patterns and spatial co-occurrence of sympatric mammals in the moist temperate forest of the Kashmir Himalaya, India. *Journal of Vertebrate Biology*, 66(4), 231-241.
- 23 2016 Bhattacharya A. and Habib, B. (2016): Highest elevation record of tiger presence from India. *CATnews* 64.
- 24 2016 Mondal, I., Kumar, R. S., Habib, B. and Talukdar, G. (2016): Modelling fine scale movement of corridors for the tricarinata hill turtle. *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, Volume XLI-B8, 2016 XXIII ISPRS Congress, 12–19 July 2016, Prague, Czech Republic.
- 25 2016 Habib, B., Rajvanshi, A., Mathur, V. B., and Saxena, A. (2016). Corridors at crossroads: linear development-induced ecological triage as a conservation opportunity. *Front. Ecol. Evol.* 4:132. doi: 10.3389/fevo.2016.00132
- 26 2016 Mondal, I., Habib, B., Talukdar, G. and Nigam, P. (2016). Triage of means: options for conserving tiger corridors beyond designated protected lands in India. *Front. Ecol. Evol.* 4:133. doi: 10.3389/fevo.2016.00133
- 27 2016 Ghaskadbi, P., Habib, B., & Qureshi, Q. (2016). A whistle in the woods: an ethogram and activity budget for the dhole in central India. *Journal of Mammalogy*, 97(6), 1745-1752.
- 28 2016 Ghaskadbi, P., Habib, B., Mir, Z., Ray, R., Talukdar, G., Lyngdoh, S., Pandav, B., Nigam, P. and Kaur, A. (2016): Rusty spotted cat in Kalesar National Park and Sanctuary, Haryana, India. *CATnews* 63.
- 29 2016 Sazatornil, V., Rodríguez, A., Klaczek, M., Ahmadi, M., Álvares, F., Arthur, S., ... & García, E. J., Habib, B. (2016). The role of human-related risk in breeding site selection by wolves. *Biological Conservation*, 201, 103-110.
- 30 2016 Kreshenbaum, A., Root-Gutteridge, H., Habib, B., Koler-Matznick, J., Mitchell, B., Palacios V., Waller, S. (2016): Disentangling canid howls across multiple species and sub-species: Structure in a complex communication channel. *Behavioral Processes* 124: 149 – 157.
- 31 2016 Ghaskadbi, P., Habib, B., Mir, Z., Ray, R., Talukdar, G., Lyngdoh, S., Pandav, B., Nigam, P. and Kaur, A. (2016): Rusty spotted cat in Kalesar National Park and Sanctuary, Haryana, India. *CATnews* 63.

- 32 2015 Mir, Z. A., Noor, A., Habib, B., Veeraswami, G. V. (2015): Seasonal population density and winter survival strategies of endangered Kashmir gray langur (*Semnopithecus ajax*) in Dachigam, National, Park, Kashmir, India. *SpringerPlus* (2015) 4: 562.
- 33 2015 Hennelly, L., Habib, B. and Lyngdoh, S. (2015): Himalayan wolf and feral dog displaying mating behavior in Spiti Valley, India and potential conservation threats from sympatric feral dogs. *Canid Biology and Conservation* 18(9); 33 – 36.
- 34 2015 Mir, Z. A., Noor, A., Habib, B., Veeraswami, G. V. (2015): Attitudes of local people towards wildlife conservation; A case study from the Kashmir Valley. *Mountain Research and Development* 35(4): 392 – 400.
- 35 2015 Davate, M., Chatterjee, N., Dashahre A., Habib, B., Nigam, P., Trivedi, M., Garad, G. P., Kalaskar, A., and Ghaskadbi, P. (2015): Recent records of rusty spotted cat in dry deciduous forests of Tadoba, Maharashtra, India. *CATnews* 62.
- 36 2015 Mahar, N., Habib, B., Shawl, T., Veeraswami, G. V., Suhail, I., Takpa, J., and Hussain, S. A. (2015): Tracking the movement pattern of Bar-headed Goose *Anser indicus* captured from the Gharana Conservation Reserve, India. *Journal of Bombay Natural History Society*, 112(1).
- 37 2014 Hayward, M. W., Lyngdoh, S., and Habib, B. (2014): Diet and prey preference of dholes (*Cuon alpinus*): dietary competition within Asia's apex predator guild. *Journal of Zoology* (294): 255 – 266
- 38 2014 Habib, B., Shrotriya, S., Sivakumar, K., Sinha, P. R. and Mathur, V. B. (2014): Three decades of wildlife radio telemetry in India: a review. *Animal Biotelemetry* 2014, 2:4
- 39 2014 Lyngdoh, S., Shrotriya, S., Goyal, S.P., Clements, H., Hayward, M. W. and Habib, B. (2014): Prey Preferences of the Snow Leopard (*Panthera uncia*): Regional Diet Specificity holds Global Significance for Conservation. *PLoS ONE* 10.1371/journal.pone.0088349
- 40 2014 Lyngdoh, S., Gopi, G. V., Selvan, K. M. and Habib, B. (2014): Effect of interaction among ethnic communities, livestock and wild dogs (*Cuon alpinus*) in Arunachal Pradesh, India. *Eur. J. Wildl Res.* (60): 771 - 780
- 41 2014 Selvan, K. Lyngdoh S., Habib, B. and Gopi, G. V. (2014): Population density and abundance of sympatric large carnivores in low land tropical forests of Eastern Himalayas: *Mammalian Biology* 79: 254 - 258
- 42 2014 Selvan, K. Lyngdoh S., Gopi, G. V., Habib, B. and Hussain S. A. (2014): Population densities, group size and biomass of ungulates in a lowland tropical rainforest of the eastern Himalayas. *Acta Ecologica Sinica* 34 (2014) 219 – 224.
- 43 2014 Selvan, K. Lyngdoh S., Gopi, G. V. and Habib, B. (2014): Density estimation of leopard cat *Prionailurus bengalensis* using capture-recapture sampling in lowland forest of Pakke Tiger Reserve, Arunachal Pradesh, India. *Mammalia* 01/2014; DOI:10.1515/mammalia-2013-2014
- 44 2014 Chatterjee N., Habib, B., Davate, M., Dashahre, A., Nigam, P., Trivedi, M., Garad G. P. and Sinha, V. (2014): A checklist of water birds of Tadoba-Andhari Tiger Reserve (TATR), Maharashtra, India. *ENVIS Bulletin – Water Birds of India* (16): 166 – 173
- 45 2013 Pachuau, S. V., Qureshi, Q., Habib, B. and Nijman, V. (2013): Habitat use and documentation of Historic Decline of Western Hoolock Gibbon (*Hoolock hoolock*) in Dampa Tiger Reserve, Mizoram, India. *Primate Conservation* Pp. 1 - 6.
- 46 2013 Selvan, K. Gopi, G. V., Lyngdoh S., Habib, B. and Hussain, S. A. (2013): Prey selection and food habits of three sympatric large carnivores in a tropical lowland forests of the Eastern Himalayan Biodiversity Hotspot. *Mammalian Biology*, 78, Pp. 296- 303
- 47 2013 Selvan, K. Gopi, G. V., Habib, B. and Lyngdoh S. (2013): Losing threatened and rare wildlife to hunting in Ziro Valley, Arunachal Pradesh, India. *Current Science*, Vol. 104, No. 11, Pp. 1492-95.

- 48 2013 Selvan, K.M., Lyngdoh, S., Gopi, G.V., and Habib B. (2013): An assessment of abundance, habitat use and activity patterns of three sympatric pheasants in an Eastern Himalayan Lowland tropical Forest of Arunachal Pradesh, India. *Asian Journal of Conservation Biology*, Vol. 2 No. 1, pp. 52–60.
- 49 2013 Noor, A., Habib, B. and Kumar S. (2013): Habitat selection and niche segregation between chital and nilgai in Keoladeo National Park, India. *European Journal of Zoological Research*, Vol. 2, No. 2, Pp. 1 - 9.
- 50 2013 Selvan, K. Gopi, G. V., Habib, B. and Lyngdoh S. (2013): Hunting records of endangered Marbled Cat (*Pardofelis Marmorata*) in the Ziro valley of lower Subansiri, Arunachal Pradesh, India. *Journal of Threatened Taxa* 5(1): 3583 – 3584.
- 51 2012 Shrotriya, S., Lyngdoh, S. and Habib, B (2012): Wolves in Trans-Himalaya: 165 years of taxonomic confusion. *Current Science*, Vol 103; No. 8; Pp 885 – 887
- 52 2012 Dar, T. A., Habib, B. and Khan, J. A (2012): Group size, habitat use and overlap analysis of four sympatric ungulate species in Shivalik Ecosystem, Uttarakhand, India. *Mammalia*, Vol. 76, No. 01, Pp. 31 - 41.
- 53 2011 Maurya, K. K., Habib B. and Kumar, S. (2011): Food habits of Indian Wolf (*Canis lupus pallipes*) in Deccan Plateau of Maharashtra, India. *World Journal of Zoology*, Vol. 6, No. 3, Pp. 318 – 322.
- 54 2011 Lyngdoh, S., Gopi, G. V. and Habib, B. (2011): Hunting record of a Spotted Linsang *Prionodon pardicolor* from Lower Subansiri district, Arunachal Pradesh, India. *Small Carnivore Conservation*, Vol. 44, Pp. 27 – 28.
- 55 2011 Lyngdoh, S., Selvan, K. M., Gopi, G. V. and Habib B. (2011): First photographic evidence of two rare cats from Pakke Tiger Reserve, Western Arunachal Pradesh. *Current Science*, Vol. 101, No. 10, Pp. 1284 – 1285.
- 56 2011 Lyngdoh, S., Selvan, K. M., Gopi, G. V., Habib B., and Hazarika M. (2011): Sighting and first photograph of Asiatic golden cat in western Arunachal Pradesh. *Cat News* (54): 17 – 18.
- 57 2011 Lyngdoh, S., Selvan, K. M., Gopi, G. V., and Habib B. (2011): First photos of marbled cat in Pakke Tiger Reserve, Western Arunachal Pradesh, India. *Cat News* (55): 7 – 8.
- 58 2010 Habib, B., Shrotriya, S., Sivakumar, K., Mathur V. B and Sinha, P. R. (2010): Radio-Telemetry studies in India – Issues and Way Forward (In) Sivakumar, K and B. Habib (Eds.) 2010. *Telemetry in Wildlife Science, ENVIS Bulletin: Wildlife and Protected Areas. Wildlife Institute of India, Dehradun, India.* 13 (1): 3-19.
- 59 2010 Habib, B and Kumar, S. (2010): Application of Radio-telemetry for studying ecology of Indian Wolf (*Canis lupus pallipes*) in Great Indian Bustard Sanctuary, Maharashtra, India. (In) Sivakumar, K and B. Habib (Eds.) *Telemetry in Wildlife Science, ENVIS Bulletin: Wildlife and Protected Areas. Wildlife Institute of India, Dehradun, India.* 13 (1): 61-68.
- 60 2010 Habib, B., Dar, T. A., Khan, J. A. and Kushwaha, S.P.S. (2010): Evaluation of Habitat Suitability Models for Four Sympatric Ungulate Species in Pathri Rao Watershed adopting Geo-Statistical Modelling. *Current Science*, Vol. 99, No. 4, Pp. 500 – 506.
- 61 2010 Noor, A., Habib, B. and Kumar S. (2010): Effects of plot size and shape on the encounter rate of ungulate fecal pellet groups and abundance estimate precision. *Current Science*, Vol. 99, No. 6, Pp. 800 – 804.
- 62 2010 Dar, T. A., Habib, B. and Khan, J. A (2010): Vegetation Structure along an Altitudinal Gradient in Phakot Watershed in Garhwal Himalaya, Uttarakhand, India. *The Indian Forester*, Vol. 136, No. 11, Pp. 1550 – 1560.
- 63 2008 Dar, T. A., Habib, B., Khan, J. A., Kushwaha, S.P.S. and Mendiratta, N (2008): Bird Community Structure in Phakot and Pathri Rao Watershed Areas in Uttarakhand, India. *International Journal of Ecology and Environment*, 34 (2), Pp193 – 205.

- 64 2008 Dar, T. A., Habib, B., Khan, J. A., Kushwaha, S.P.S. and Mendiratta, N (2008) Population Structure, Habitat Use and Conservation of Ungulates in Mosaic Landscapes of Garhwal Himalayas, Uttarakhand. *International Journal of Ecology and Environment*, 34 (2), Pp 83 - 89.
- 65 2008 Dar, T. A., Khan, J. A., Habib, B., Kushwaha, S.P.S. and Mendiratta, N (2008) Assessment of Herpetofaunal Assemblage in Phakot and Pathri Rao Watershed Areas, Uttarakhand, India. *International Journal of Ecology and Environment*, 34 (2), Pp 207 – 213.
- 66 2007 Habib, B. Kumar, S. (2007) Den shifting by wolves in semi-wild landscapes in the Deccan Plateau, Maharashtra, India. *Journal of Zoology*, 272, Pp 259 – 265.
- 67 2006 Habib, B., Kushwaha, S.P.S., Quadri, A., and Khan, A. (2006): Application of Remote Sensing and Geographic Information System in Wildlife Habitat Modelling. *Journal Of The Bombay Natural History Society*, 103 (2-3), Pp 366 – 374.
- 68 2004 Kushwaha, S.P.S., Khan, A., Habib, B., Quadri, A., and Singh, A. (2004): Evaluation of sambar and muntjak habitats using geospatial modelling. *Current Science*, Vol. 86. NO. 10. PP 1390-1400.
- 69 2002 Habib, B., Khan, A., Kushwaha, S.P.S. and Quadri, A. (2002): Applications of Remote Sensing and GIS in Niche Overlap Analysis (Prediction Modelling). *IAPRS & SIS*, Vol. 34, Part 7, "Resource and Environmental Monitoring," Hyderabad, India, Pp 64-68.

BOOKS AND BOOK CHAPTERS:

- 01 2018 Habib, B., Nigam P., Chatterjee, N., Davate, M., Ghaskadbi, P., Trivedi, M., Sinha, V., Mankar, K. and Narwane, G. (2018). Field Guide to Tigers of Tadoba – First Edition. Wildlife Institute of India and Maharashtra Forest Department, Pp. 218.
- 02 2017 Mathur, P. K., Habib, B. and Mathur, P. (2017): Technology Advancements and Integration in the Context of Wildlife Conservation. In Dixit, S and Prasad, R. (Ed.), *Human bond communication: the holy grail of holistic communication and immersive experience* (Pp. 261). John Wiley & Sons, Inc.
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- 05 2016 Assessment of mammalian community using camera trapping at Ghosigarh Micro-Watershed in Askot Landscape, Uttarakhand. M. Sc. Forestry. Forest Research institute, Dehradun by Sraman Dasgupta. (Supervisor)
- 06 2016 Bird community structure in Hard Wood Forests of Kalesar, Haryana, India. M. Sc. Environment Management. Forest Research institute, Dehradun by Purnendu Sarada. (Co - Supervisor)
- 07 2015 Pallavi, G. (2015): A Whistle among the growls: Dholes in a multi-predator system in dry deciduous forests of India. M. Sc. Dissertation WII as Supervisor.
- 08 2015 Harshvardhan, S. R. (2015): Response of leopard (*Panthera pardus fusca*) in varying density of tiger (*Panthera tigris tigris*) in Rajaji National Park, Uttarakhand. M. Sc. Dissertation WII as Co-Supervisor
- 09 2014 Koustuv Sasaru (2014) FRI M. Sc. Student. M. Sc. Dissertation Topic “Morphometric criteria to identify faecal pellets of sympatric ungulate species in Tadoba-Andhari Tiger reserve, Maharashtra.” As Supervisor
- 10 2013 Aditya S. Malgaonkar (2013) WII M. Sc. Student. M. Sc. Dissertation Topic “Response of Rainforest Lizard Communities to Tea Plantation Edges in the Anamalai Hills of Southern Western Ghats, India.” As Supervisor.
- 11 2013 Deepak C. K. (2013) WII M. Sc. Student. M. Sc. Dissertation Topic “Effect of Inter-habitat Matrix on Tropical Evergreen Forest Remnants: An Empirical Test of Matrix-Tolerance Hypothesis on Butterflies.” As Co-Supervisor.
- 12 2012 Bhaskar Jyoti Bora, M. Sc Student Doon University, M. Sc Dissertation Topic “Food Habits of Red Fox (*Vulpes vulpes*) in Dachigam National Park, Srinagar, Jammu and Kashmir, India”, M. Sc . Natural Resource Management (2012)
- 13 2011 Samuel Vanlalngheta Pachuau, M. Sc Student WII, M. Sc Dissertation Topic “Response of Western Hoolock Gibbon (*Hoolock hoolock hoolock*) in terms of Population Abundance and Resource Utilization across various Disturbance Regimes in Dampa Tiger Reserve, Mizoram” M. Sc. Wildlife Science (2011),
- 14 2011 Amlendu Pathak, M. Sc Student F, R. I. University, M. Sc Dissertation Topic “Winter Habitat use of Hangul (*Cervus elaphus hanglu*, Wagner) in Dachigam National Park, Srinagar, Kashmir”, M. Sc . Forestry, (2011).
- 15 2010 Shreya Dasgupta M. Sc Student Teri University. M. Sc Dissertation Topic “Home Range and Movement Pattern Dynamics of Wolves in Semi-Wild Landscapes in Deccan Plateau, Maharashtra, India.” M. Sc. in Environmental Studies (2010).
- 16 2010 Malemleima Ningombi M. Sc Student F.R.I University. M. Sc Dissertation, “Evaluating the Efficacy of Various Sampling Techniques for Quantifying Abundance of Tricarinate Hill Turtle (*Melanochelys tricarinata*) and evaluating its Resting Sites.” M.Sc. in Environment Management (2010).

Ph.D. DISSERTATIONS (SUPERVISOR):

S. No.	Name of Candidate	Ph. D Topic	Date of Registration/ Submission /Awarded
01	Zehidul Hussain	Movement and Space Use Pattern of Tigers in the Eastern Vidarbha Landscape, Maharashtra, India.	10.10.2018
02	Shaheer Khan	Indian Grey Wolves (<i>Canis lupus pallipes</i>) in Human Dominated Landscapes: Movement, Space Use and Foraging.	03.10.2018
03	Lynette Gomes	Understanding Sloth bear (<i>Melursus ursinus</i>) genetic connectivity across Vidarbha Landscape, Maharashtra, India.	01.10.2018
04	Akanksha Saxena	Ecological impacts of Roads on Mammals and Integrity of the Central Indian Tiger Landscape	04.11.2017
05	Sougata Sadhukhan	Understanding wolf howls and their application in individual identification and population estimation.	11.09.2017
06	Pallavi Ghaskadbi	Ecology of the Asiatic Wild Dog (<i>Cuon alpinus</i>) with insights into Behaviour and Co-predator interactions in Eastern Vidarbha, Landscape, Maharashtra, India.	15.06.2017
07	Shrushti Modi	Understanding the impact of habitat fragmentation on sympatric large carnivore connectivity across tiger reserves in Maharashtra, India.	15.06.2017
08	Nilanjan Chatterjee	Evaluating the use of camera traps for population estimation of unmarked individuals using spatially explicit models in Tadoba-Andhari Tiger Reserve, Maharashtra, India.	15.06.2017
09	Hussain S. R.	Ecology of the Red Fox (<i>Vulpes vulpes</i>) in the North-Western Trans-Himalayan landscape, India.	25.01.2015 Submitted: August 2020
10	Shivam Shrotriya	Status, distribution and foraging ecology of wolf in the north-western Himalayan landscape, India.	01.01.2013 Submitted: August 2020
11	Salvador Lyngdoh	Spatial ecology and predation pattern of wolf in Spiti Valley, Himachal Pradesh.	01.01.2013 Submitted: August 2020
12	Meraj Anwar	Status of Tigers and its Associated Prey Species in Selected Corridors and Areas of Terai Arc Landscape	01.01.2012 Submitted: June 2019
13	Athar Noor	Status and Spatio-Temporal Ranging Behaviour of Leopard (<i>Panthera pardus</i>) in Dachigam National Park, Srinagar, Jammu and Kashmir	01.01.2012 Submitted: June 2019
14	Mir Zaffar Rais	Monitoring Prey Dynamics and Diet Fluctuations of Leopard (<i>Panthera pardus</i>) in Dachigam National Park, Srinagar, Jammu and Kashmir	01.01.2012 Awarded: 2016

Ph.D. DISSERTATIONS (CO-SUPERVISOR):

S. No.	Name of Candidate	Ph. D Topic	Date of Registration/ Submission /Awarded
01	Ankita Bhattacharya	Influence of pastoralism practices on wild ungulates in Upper Gori Valley, Western Himalaya	25.01.2015 Submitted: August 2020
02	Indranil Mondol	Evaluating landscape connectivity and bottlenecks for tigers (<i>Panther tigris tigris</i>) IN TADOBA-Andhari Landscape Complex, Maharashtra, India.	01.03.2014 Awarded 2020
03	K. Muthamizh Selvan	Ecology of Sympatric Large Carnivores in Pakke Tiger Reserve, Arunachal Pradesh	01.01.2010 Awarded 2014

INTERNATIONAL Ph.D. AFFILIATES:

S. No.	Name of Candidate	Ph. D Topic	University
01	Sarika Khanwilkar	Socio-ecological effects of change to forest resource dependence in a human dominated landscape.	Columbia University, USA
02	Lauren Hennelly	Landscape genetics and conservation of Indian and Himalayan Wolves.	UCDAVIS University of California
03	Daniel John Read	Mechanisms of Legitimacy for conservation among Rural People between Melghat and the Eastern Vidarbha Landscape, Maharashtra, India.	University of Georgia, USA
04	Biljana Macura	Testing the effectiveness of forest governance mechanisms in conservation policy and practices within protected areas – The case of Central Indian Tiger Reserves.	University of Padova, Italy

NATIONAL SEMINAR/ WORKSHOP PRESENTATIONS:

01	2018	Workshop for further development of National Human-Wildlife Conflict Mitigation Strategy for Action Plan and SOPs 15 – 16 October 2018 at WII.
02	2018	MEE Inception Workshop at Delhi on 31 st October 2018.
03	2018	Central Indian landscape Symposium from 3 – 6 January 2019, Melghat Maharashtra India.
04	2018	Conducted workshop at Yeti 2018/ 23 rd – 26 th Jan. 2018 at Baroda
05	2017	Conducted and attended training workshop on “Recent Approaches in Wildlife Conservation and Management” at SKUAST – K from 17.03.2017 – 20.03.2017.
06	2017	Conducted training workshop on “Wild Animal Rescue and Rehabilitation” at Arid Forest Research Institute Jodhpur from 24 – 26 March 2017.
07	2017	Consultative workshop on Preparation of Zonal Master Plan for ESZ around PA's 28 – 29 August 2017.
08	2017	National Symposium cum Workshop on Science and Technology on Sustainable Wildlife Management and Ecosystems in India 3- 4 Dec. 2017.

- 09 2016 Conducted one-day training workshop at Nagpur for the Staff of Pench Tiger Reserve, Bor Tiger Reserve, Tippihwar WLS and Umred Karandla WLS for population estimation using distance sampling and camera trapping on 4th May 2016 as a part of EVL Project.
- 10 2016 Conducted one-day training workshop at Navegaon – Nagzira Tiger Reserve for population estimation using distance sampling and camera trapping on 6th May 2016 as a part of EVL Project.
- 11 2016 National Launch workshop for Endangered Species Recovery Project at WII on 16th May 2016
- 12 2016 Wild animals in distress – 3-day training workshop at Goa for Officers and Staff of Forest Department from 13 – 15 June 2016.
- 13 2016 Attended Senior Forest Officers Conference, Maharashtra India from 23 – 24 Sep. 2016 at Aurangabad Maharashtra.
- 14 2016 Training Program on Mainstreaming Biodiversity in Road and railway Transportation Projects for Smart Green Infrastructure 17 – 19 Feb. 2016
- 15 2015 Human – animal conflict workshop at Udaipur from 12 – 14 April 2015. Two presentations in the workshop.
- 16 2015 Organized one-day workshop at WII for Officers and Staff of Uttarakhand forest Department regarding Field Sampling Protocol on 15th April 2015
- 17 2015 Attended on day training workshop - Past, Present and Future of Aravallis at Gurgaon Haryana on 5th June 2015
- 18 2015 Attended Regional evaluation and Training Workshop (Northern Region) of ENVIS Centers at FRI Dehradun 12 – 13 January 2015.
- 19 2014 Attended two days training workshop for Indian Forest Service Officers on Management Effectiveness Evaluation (MEE) on 17 – 18 July 2014 at WII – Dehradun.
- 20 2014 Attended two days' workshop – Introduction and applying the Open Standards for the practice of conservation: an introductory seminar and conservation planning workshop at Wildlife Institute of India, 21- 22 July 2014
- 21 2014 Attended Wildlife Conflict and Invasive species workshop at WII on 23 – 24 July 2014
- 22 2014 Attended Regional evaluation and Training Workshop (Northern Region) of ENVIS Centers at FRI Dehradun 12 – 13 January 2015.
- 23 2014 State level workshop on In-Situ Conservation Plan for GIB and Lesser Florican Maharashtra India from 11 – 13 March 2014.
- 24 2014 Consultative workshop on Technology Need Assessment for Biodiversity Conservation on 18th Feb. 2014 at Wildlife Institute of India.
- 25 2014 Coordinated regional workshop on Assessment of Tigers, Co-Predators and Prey – Phase 1 at Goa from 8th – 12 the Feb 2014.
- 26 2014 Birds, birding and ecotourism workshop at WII on 6th Feb. 2014
- 27 2014 GIB Conservation Breeding Workshop – Organized by MoEFCC and WII at Delhi on 17th Jan. 2014
- 28 2013 Coordinated regional workshop on Assessment of Tigers, Co-Predators and Prey – Phase 1 at Ranthambore Tiger Reserve from 3rd – 6th September 2013.
- 29 2013 National workshop on Strategies for conservation and management of large landscapes at Indian Habitat Centre – 8 – 9 July 2013.

- 30 2013 Promotion of metadata use and data paper publication workshop from 19 – 21 June 2013, BVIEER – Pune.
- 31 2013 Presented at Workshop “Strategies to deal with Straying Tigers in Human Dominated Landscapes” at Chandrapur – 5 – 6 Feb. 2013, Organized by NTCA and State Forest Department
- 32 2013 Presented at One day Consultation Workshop” Prospects of Conservation Breeding of Great Indian Bustard” at Pune organized by Maharashtra Forest Department.
- 33 2012 Attended National stakeholder workshop on NMSHE is being organized on 06-07 October 2012 at Palampur and the meeting is being hosted by CSIR- Institute of Himalayan Bio-resource Technology (CSIR-IHBT). Presented pre-proposal Communities and Climate Change.
- 34 2012 Attended and Presented during BCRLIP Workshop on 'Planning Smart Green Infrastructure in Biodiversity-rich Landscapes' 13-14 August 2012 Lecture Room No. 1, India International Center (Annexe), New Delhi
- 35 2012 Census Workshop for the forest officer at Pinjore Haryana on 25th April 2012 at Pinjore. 50 forest officials from the state participated in training workshop.
- 36 2012 On day training workshop on managing human leopard conflict in Pinjore Haryana on 28th Feb 2012. (25 participants)
- 37 2012 On day training workshop on managing human leopard conflict in Chandigarh on 27th Feb 2012. (12 participants)
- 38 2012 Regional level training workshop on Phase IV Tiger Monitoring for North Eastern States. 50 people from NE States attended the workshop from 15th – 16th January 2012.
- 39 2011 Regional level training workshop on Phase IV Tiger Monitoring for Maharashtra, M.P, and Chhattisgarh states. 120 people from 3 states attended the workshop from 28th – 29th December 2011.
- 40 2011 Stakeholders workshop on “Conservation of Hangul and other endangered Mountain Wildlife Biodiversity” from 27th – 28th November 2011 at SKUAST Srinagar, Kashmir.
- 41 2011 Two days’ workshop – Project Planning Meeting and Core group workshop Indo-Norwegian Pilot project on Capacity Building in Biodiversity informatics) at Wildlife Institute of India, Dehradun.
- 42 2011 One day workshop on “Emerging Issues in Wildlife Conservation” June 5th 2011 at Wildlife Institute of India, followed by group discussion on Human Wildlife Conflict Issues and Role of Civil Society.
- 43 2011 Participated in “International Conference on Tiger Conservation”, March 28 – 30, 2011 at Vigyan Bhavan, New Delhi
- 44 2011 Participated and Presented at one day workshop organized by Maharashtra Forest Department for Field Staff at Pune Maharashtra on 7th March 2011
- 45 2010 Participated in International Conference on “Wildlife and Biodiversity Conservation Vis-à-vis Climate Change” from 03 – 05th June. 2010.
- 46 2010 Attended “Wildlife Telemetry Workshop” from 24 – 25th April 2010
- 47 2010 Attended one day workshop “Colloquium on Biodiversity: Earths most valuable resource, why does it matter to business” organized by CII, ITC and WII on 27th April 2010 at WII.
- 48 2009 Organized state level workshops for monitoring Tigers, Co-Predators and its Prey in the States of Maharashtra, Goa and Andhra Pradesh during the year 2009 – 10.
- 49 2007 Assistant course coordinator to 2nd International Training and Capacity Building Program in Wildlife Biology and Biodiversity Conservation in Aligarh Muslim University from 6th Jan to 20th Jan. 2007.

- 50 2004 Organized state level census workshop at Great Indian Bustard Sanctuary, Nannaj, Maharashtra, India to train forest department staff in various census techniques during the year 2004.
- 51 2003 Attended Centenary Journal Seminar "A Look at Threatened Species" organized by Bombay Natural History Society, November 13 -15, 2003, at I.I.T Mumbai, India.
- 52 2002 Attended workshop on Distribution Mapping using software DMAP by Dr. S. Subramanya, University of Agricultural Sciences, Bangalore India at Bombay Natural History Society Indian during the year 2002.
- 53 2001 GIS training at Indian Institute of Remote Sensing, Dehradun, India under the project mode to evaluate Cervid habitat using Remote Sensing and GIS from July 2001 – to December 2001.
- 54 2000 Participated in Workshop 'Wildlife Watch' organized by WWF – India and NYKS at Aligarh Muslim University during the year 2000.
- 55 1999 Participated in National Environment Campaign organized by Ministry of Environment and Forests, Govt. of Jammu and Kashmir during the year 1999.

INTERNATIONAL SEMINAR/ WORKSHOP PRESENTATIONS:

- 01 2019 First African Conference for Linear Infrastructure & Ecology held in Skukuza Rest Camp, Kruger National Park, South Africa, from 10th – 15th March 2019.
- 02 2018 First Dhole Population and Habitat Viability Assessment (PHVA) Workshop from 11 – 16 Feb. 2019 at Khao Hai National Park, Thailand.
- 03 2017 International Mammalogical Congress Australia 9 – 14 July 2017.
- 04 2016 Attended and presented at 3rd Asian Ministerial Conference on Tiger Conservation Delhi from 12 – 14 April 2016
- 05 2016 Attended and presented at GTF Tiger Range Countries Workshop at Sariska Tiger Reserve from 29th Nov. 2016 to 1st December 2016 regarding development of manuals for Tiger Range Countries.
- 06 2016 Attended and presented at GTF Tiger Range Countries Workshop at Malaysia from 12 – 16 December 2016 regarding development of manuals for Tiger Range Countries.
- 07 2015 Attended Behavior 2015 at Cairns, Australia from 6 – 19 August 2015
- 08 2013 Attended Next Generation Sequencing Symposium "Improving Genomics through Collaboration and Innovation" brought by Integrated DNA Technologies and D-MARK biosciences on 13 – 14th March 2013 at UBC – Michael Smith Building, Vancouver, Canada.
- 09 2012 Attended COP 11 at Hyderabad from 10th October 2012 – 14th October 2012
- 10 2011 CBD Workshop – "Sun-regional workshop for South, east and South-east Asia on capacity building for the implementation of the programme of work on protected areas under CBD" from 6th – 10th December 2011 at WII Dehradun.
- 11 2009 Participated in International Conference "CARNIVORE 2009" – *Carnivore Conservation in a changing World*. Carnivore 2009 is an international event organized by the Defenders at Denver, USA from 15 – 18th Nov. 2009.
- 12 2008 Workshop for mapping potential snow leopard habitat across the globe. An event organized by WCS and Chinese Academy of Sciences from 7th – 8th March 2008, Beijing China. Sponsored by Wildlife Conservation Society, USA.
- 13 2007 Attended IUCN Red List Workshop: CATS, organized by IUCN and funded by PANTHERA at Wildlife Conservation Research Unit (WILDCRU), University of Oxford from 21 – 22 September, 2007.

- 14 2006 Attended Workshop entitled as “Evidence-based conservation: how to find out what works and what doesn’t in conservation management” by Andrew Pullin, Centre for Evidence-Based Conservation, University of Birmingham, UK at Department of Zoology, University of Cambridge during Students Conference on Conservation Science 28 – 30 March 2006.
- 15 2006 Attended workshop entitled as “Planning a conservation research programme” by William J. Sutherland, School of Biological Sciences, University of East Anglia UK at Department of Zoology, the University of Cambridge during Students Conference on Conservation Science 28 – 30 March 2006.

SUBMITTED RESEARCH GRANT PROPOSALS:

S. No.	Project Title	Funding Agency, Amount and Role	Duration
01	RewIND – Using Science to Plan Green Roads in India	DST - International Bilateral Cooperation: India – Portugal Prog. Rs. 1,00,00,000.00 Principal Investigator	Submitted
02	Ecology and Conservation of Fishing Cat in EGREE, Andhra Pradesh	Andhra Pradesh Forest Department Rs. 74,03,300.00 Principal Investigator	Submitted
03	Understanding the impact of mining areas of Western Coalfields Limited (WCL) and Chandrapur Thermal Power Plant, Chandrapur on Native Wildlife	WCL & MAHAGENCO Rs. 2,20,64,820.00 Principal Investigator	Submitted
04	Promoting Internationalization of Indian Universities through U. S. Collaboration	U. S. Embassy Public Affairs \$ 100,000.00 Principal Investigator	Submitted
05.	Detection, early warning, and deterrence of wildlife species involved in human wildlife conflict	IIT NM – ICPS Grant Co - Investigator	Submitted
06	Understanding movement of sloth bear by radio-collaring in Vidarbha region of Maharashtra, India	Maharashtra State Forest Department Rs. 65,50,000.00 Principal Investigator	Submitted

RESEARCH PROJECTS (ONGOING):

S. No.	Project Title	Funding Agency, Amount and Role	Duration
01	Response to Anthropocene and Climate change: Movement ecology of selected mammal species across the Indian Himalayan Region	National Mission on Himalayan Studies Rs. 1,60,80,000.00 Principal Investigator	2020 - 2023
02	Assessment of spatial and temporal occupancy of tiger and elephant in relation to habitat characteristics and anthropogenic factors for the creation of Eco-Sensitive Areas in Sawantwadi and Dodamarg talukas of Sindhudurg district in Western Ghats of Maharashtra, India	Maharashtra State Forest Department Rs. 83,03,000.00 Principal Investigator	2020 - 22
03	Long-term monitoring of tigers, co-predators and prey in tiger-bearing areas of Vidarbha, Maharashtra	Maharashtra State Forest Department Rs. 16,03,62,990.00 Principal Investigator	2019 - 29
04	Understanding large carnivore conflict issues in Maharashtra for suggesting conflict reduction measures	Maharashtra State Forest Department Rs. 1,54,36,300.00 Principal Investigator	2019 -23
05	Establishment of a web portal for dissemination of research findings as a decision support system for policy makers and wildlife managers in Maharashtra	Maharashtra State Forest Department Rs. 1,59,80,300.00 Principal Investigator	2019 - 24

06	Understanding Population Dynamics, Space Use, Movement and Diet of Leopards in Junnar Taluka, Maharashtra for Human Leopard Conflict Mitigation	Maharashtra State Forest Department Rs. 2,07,28,200.00 Principal Investigator	2018 -23
07	Does human pressure shape vocal behaviour of wild wolves? A comparative study.	NGS-59729R-19 \$ 29,900.00 Co - Investigator	2019 -21
08	Movement in Space and Time: Ecology of Red fox in Upper Tawang Valley, Eastern, Himalaya, India	National Mission on Himalayan Studies Rs. 21,60,000.00 Principal Investigator	2019 -22
09	Assessment of impacts of the proposed Nagpur-Mumbai Super Communication Expressway, Maharashtra, Samruddhi Corridor on wildlife values and measures recommended mitigation negative impacts	Maharashtra State Road Development Corporation Rs. 7,58,60,500.00 Principal Investigator	2018 - 21
10	Ecological impact assessment of existing and proposed road infrastructure in important wildlife corridors in India for strategic planning of smart green infrastructure.	National Tiger Conservation Authority Rs. 74,99,000.00 Principal Investigator	2016 -20
11	Developing genetic database to understand metapopulation dynamics and connectivity of tigers and other large predators across tiger landscape of Maharashtra, India	Maharashtra Forest Department Rs. 75,08,580.00 Principal Investigator	2016 - 21

RESEARCH PROJECTS (COMPLETED):

S. No.	Project Title	Funding Agency, Amount and Role	Duration
01	Preliminary assessment of Tigers, Co-predators and Prey Species in Pranhita Wildlife Sanctuary, India for exploring options of Conservation Translocation	Maharashtra Forest Department Rs. 29,10,000.00 Principal Investigator	2019 - 20
02	Preparation of Conservation Plan for Biodiversity likely to be Impacted by Greenfield Jewar International Airport, Gautam Budha Nagar, Uttar Pradesh	Yamuna Expressway Industrial Development Authority (YEIDA), Government of Uttar Pradesh. Rs. 1,87,95,000.00 Principal Investigator	2019 - 20
03	Planning, Designing and Development of Greenfield Airport at Chandrapur: Wildlife Study	Maharashtra Airport Development Cooperation Rs. 24,80,000.00 Principal Investigator	2019 - 20
04	Assessment of Biodiversity and Evaluation of Ecotourism Potential in 4 Protected Areas of Himachal Pradesh, India	Himachal Pradesh State Forest Department 12,00,000.00 Principal Investigator	2018 - 20
05	Studying the dispersal of Tigers across the eastern Vidarbha Landscape (EVL) Maharashtra, India.	Maharashtra Forest Department Rs. 1,30,00,000.00 Principal Investigator	2016 - 20
06	Long Term Monitoring of Tigers, Co-Predators and Prey Species in Tadoba Andhari Tiger Reserve and Adjoining Landscape, Maharashtra, India	NTC A and Maharashtra Forest Department Rs. 1,62,01,200.00 Principal Investigator	2013 - 20
07	Population Status, habitat and its use by Blackbuck (<i>Antelope cervicapra</i>) in and around Kaimoor Wildlife Sanctuary, with reference to proposed Coal based Thermal Power Plant of 1320 MW, Mirzapur, Uttar Pradesh	Welspun Energy Rs. 67,57,000.00 Principal Investigator	2018 -19

08	Status of Great Indian Bustard and Associated Species in the State of Maharashtra	Maharashtra Forest Department Rs. 21,56,000.00 Principal Investigator	2017 -18
09	Ecology of Wolves with Emphasis on Dispersal in a Human Dominated Landscape, Maharashtra, India	Department of Science and Technology, Govt. of India. Rs. 60,75,779.00 Principal Investigator	2016 - 19
10	Mapping Landuse/Landcover Patters in Aravallis, Haryana with reference to status of key wildlife species.	Haryana Forest Department Rs. 23,11,500.00 Principal Investigator	2016 - 17
11	Population Estimation and Home Site Selection by Wolves in Human Dominated Landscapes of Maharashtra, India.	Maharashtra Forest Department Rs. 11,20,000.00 Principal Investigator	2016 -17
12	Genetic assessments of wild-caught captive leopards in the state of Maharashtra: implications in leopard disease and illegal trade”.	Maharashtra Forest Department Rs. 9,50,000.00 Principal Investigator	2016 -17
13	Long Term Monitoring of Leopard and its Prey in Kalesar National Park, Haryana	Haryana Forest Department Rs. 33,84,167.00 Principal Investigator	2016 - 17
14	Ecology and Conservation of Himalayan Wolf	WII – Grant in Aid Rs. 69,29,800.00 Principal Investigator	2012 - 17
15	Distribution pattern, habitat use and movement of breeding water birds with respect to Black-necked cranes and Bar-headed geese using telemetry in Changthang Cold Desert Sanctuary, Ladakh and Gharana Wetland Conservation reserve, Jammu, Jammu and Kashmir	Department of Wildlife Protection, Govt. of Jammu and Kashmir Rs. 22,00,000.00 Co-Investigator	2012 - 17
16	Biological Indicators for Assessing Conservation Objectives – Askot landscape: Framework for Monitoring Mammals and Birds	GEF-WB (IDA) Rs. 35,00,000.00 Principal Investigator	2012 - 17
17	Ecology of Leopard <i>Panthera pardus</i> in relation to prey abundance and land use pattern in Kashmir Valley	Department of Science and Technology, Govt. of India. Rs. 37,81,800.00 Principal Investigator	2010 - 13
18	Tracking the Great Indian Bustard (<i>Ardeotis nigriceps</i>) and Mapping its Potential Habitat across the Deccan Landscape, Maharashtra India	Maharashtra Forest Department Rs. 37,21,800.00 Principal Investigator	2013 – 15
19	Evaluating Ecological Status of Leopard in Kalesar National Park, Haryana	Haryana Forest Department Rs. 19,89,500.00 Principal Investigator	2014 - 15
20	Proposal for Reconnaissance Survey for Blackbuck and its Habitat in and Adjoining Landscape of NPCIL Colony Site	NPCIL Rs. 5,06,000.00 Principal Investigator	2014
21	Evaluating pattern of landscape use by dispersing tigers (Stray) and modelling potential connectivity bottlenecks	National Tiger Conservation Authority Rs. 10,00,000.00 Principal Investigator	2013 -16
22	Ecology and Conservation of Himalayan Wolf	MBZ Species Conservation Fund \$ 10,000.00 Principal Investigator	2009 -10

OTHER GRANTS:

- | | | |
|----|------|---|
| 01 | 2009 | Grant of Rs. 1,01,349.00 from Department of Science and Technology, Govt. of India, New Delhi to attend International Conference "Carnivore 2009" Carnivore Conservation in Changing World, November 15 – 18, 2009, Denver, Colorado, USA. |
| 02 | 2008 | Grant of Rs. 1,00,000.00 from Wildlife Conservation Society International for attending Snow Leopard Conference in Beijing 2008. |
| 03 | 2007 | Grant of Rs. 60, 000.00 from Wildlife Conservation Society International for attending Felid Biology and Conservation Conference, 17 – 20 September 2007, at Oxford University, UK. |
| 04 | 2006 | Grant of Rs. 47,034.00 from Department of Zoology, University of Cambridge, UK to attend Students Conference on Conservation Science from March 28-30, 2006 at University of Cambridge. |
| 05 | 2005 | Grant of Rs. 22,260.00 from International Wolf Centre, Minneapolis, MN5541 USA, to attend International Wolf Conference: "Frontiers of Wolf Recovery: Southwestern U.S. and the World" from October 1-4, 2005, at Colorado Springs, USA during the year 2005. |
| 06 | 2005 | Grant of Rs. 10,000.00 from Indian National Science Academy (INSA) New Delhi to attend International Wolf Conference: "Frontiers of Wolf Recovery: Southwestern U.S. and the World" from Oct. 1- 4, 2005, at Colorado Springs, USA during the year 2005. |
| 07 | 2005 | Grant of Rs. 30,000.00 from Department of Science and Technology, Govt. of India, New Delhi to attend International Wolf Conference: "Frontiers of Wolf Recovery: Southwestern U.S. and the World" from October 1-4, 2005, at Colorado Springs, USA during the year 2005. |

TEACHING AND TRAINING (Masters, Diploma and Ph.D Course Work):

Applied Population Ecology
 Mammalogy
 Community Ecology
 General Ecology
 Techniques Tour
 Management Tour

REVIEWER ASSIGNMENTS:

Scientific Reports, Journal of Zoology, Mammalogy, Ecology and Evolution, Frontiers in Ecology and Evolution, Conservation Science and Practice, PLoS One, Peer J, Landscape Ecology, Mammalia, Conservation Letters, Oryx, Current Science, Journal of BNHS, JoTT, Indian Forester, European Journal of Wildlife Research, Tropical Ecology etc.