

Annual Work Programme for FY 2020-21

S. No.	Activity	Course Director/ Faculty in-charge/ Project Investigator(s)/ Nodal Officer	Source of funding	Remarks
A.	Regular Training Courses			
A.1.	XLI PG Diploma Course in Advanced Wildlife Management (Sept., 2019 to June, 2020)	Dr. Parag Nigam (CD) Dr. B. S. Adhikari (Co-CD)	Grant-in-aid	Ongoing
A.2.	XLII PG Diploma Course in Advanced Wildlife Management (Sept., 2020 to June, 2021)	Dr. K. Sivakumar (CD)* Dr. Amit Kumar (Co-CD)	Grant-in-aid	To begin in September, 2020
A.3.	XXXVI Certificate Course in Wildlife Management (Nov., 2020 to Jan., 2021)	Dr. Salvador Lyngdoh (CD) Dr. Lallianpui Kawlani (Co-CD) *	Grant-in-aid	
A.4.	XVII M.Sc. in Wildlife Science Course, 2019-21	Dr. Samrat Mondol (CD) Dr. Navendu Page (Co-CD)	Grant-in-aid	Ongoing
A.5.	Master's course in Heritage Conservation and Management, 2019-21	Dr. Malvika Onial (CD) Dr. Anju Baroth (Co-CD)	NCAC	Ongoing
A.6.	Saurashtra University Ph.D. Course	Dr. Bilal Habib (CD) Dr. Samrat Mondol (Co-CD)	Grant-in-aid	
B.	Short Courses, Workshops and Seminars			
	Grant-in-Aid			
B.1.	Annual Research Seminar and TRAC Meetings.	Research Coordinator / Asstt. Research Coordinator	Grant-in-aid	
	Externally funded			
B.2.	Biodiversity Conservation and Livelihood Skill Enhancement for Ganga States (5 courses of 3 weeks each)	Dr Ruchi Badola/ NMCG-ENVIS Team	MoEFCC-ENVIS, NMCG	
B.3.	Green Skill Development Program: Wildlife Management using Geospatial Techniques (Four Weeks)	Dr. K. Ramesh Dr. K. Sivakumar ENVIS Team	MoEFCC	
B.4.	Training programme on Wildlife Orientation and Techniques for IFS Probationers (Duration: 2 weeks)	Dr. K. Ramesh Dr. Navendu Page & WII Team	IGNFA	
B.5.	Foreign Module on Forestry and Wildlife Management Practices Training for IFS Probationers (Duration: 2 weeks)	Dr. K. Ramesh Dr. Monali Sen & WII Team	IGNFA	TBC
B.6.	Special Course in Wildlife Protection, Law & Forensic Sciences for probationers of Indian Customs & Central Excise Service Group A. (Duration: 1 week).	Dr. S.K. Gupta Dr. Navendu Page	NACIN	
B.7.	Course on Wildlife Conservation for Wildlife Enthusiasts (Duration: 2 weeks)	Dr. R. Suresh Kumar Dr. Bivash Pandav	Self-Sponsored	
B.8.	10 day Orientation Workshop on Wildlife and Health Management for Veterinary Officers of Uttarakhand	Dr. Parag Nigam (CD) Dr. Lallianpui Kawlani (Co-CD) Dr. Kafil Hussain (Co-CD)	Uttarakhand Forest Department	
B.9.	One week Compulsory Course on Coastal	Dr. K. Sivakumar	MoEF&CC	

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	and Marine Protected Areas Management for IFS Officers at Port Blair	Dr. J.A. Johnson		
B.10.	Training course on Impacts of linear developments in transport sector for agencies involved in infrastructure developments.	Dr. Malvika Onial Dr. Asha Rajvanshi	Asian Development Bank	
B.11.	Biodiversity Conservation National Training Programme for Women Scientists & Technologists working in Government Sector	Dr. Ruchi Badola Dr. S.K. Gupta	DST	
B.12.	2-day course on Mainstreaming Biodiversity in Impact Assessment for IFS officers	Dr. Malvika Onial Dr. Asha Rajvanshi Dr. Bilal Habib	MoEFCC	
B.13.	2-day course on Management Effectiveness Evaluation of Protected Areas for IFS officers	Dr. Monali Sen Dr. Gautam Talukdar	MoEFCC	
B.14.	Professional Development Programme for EIA Regulators	Dr. Malvika Onial Dr. Asha Rajvanshi	MoEFCC	
B.15.	Certificate Course in Nature Interpretation for Zoos and Safari Parks- Zoo Guide	Dr Bitapi C Sinha & ENVIS Team	MoEFCC	
B.16.	Certificate Course in Bird Identification and Basic Ornithology	Dr K. Sivakumar Dr. Anju Baroth ENVIS Team	MoEFCC	
B.17.	Three days training course for Custom Inspectors and Superintendents on Identification of Wildlife product and Wildlife Forensic	Dr. S.K. Gupta Dr. Amit Kumar	NACIN	
C.	Activities for implementing the mandate of UNESCO Centre on 'Natural World Heritage Management & Training for the Asia-Pacific Region (NWHMT)'			
C.1.	Natural World Heritage Management & Training workshops for the Asia-Pacific Region (NWHMT)	Dr. Dhananjai Mohan Dr. Malvika Onial	NCAC	Ongoing
D	Activities for implementing the mandate of National Wildlife Action Plan/Standing Committee of NBWL			
E.	Research Projects under R&D Scheme of MoEFCC			
E.1.	Securing habitats for threatened mountain ungulates through robust population assessment and conservation planning	Dr. Vishnupriya Kolipakam Sh. Qamar Qureshi Dr Sathya Kumar Dr. Lallianpuii Kawlni Dr Sutirtha Dutta, Dr Amit Kumar	MoEFCC	
E.2.	An integrated approach for conservation of Takin (<i>Budorcas taxicolor</i>) in North East India: Linking species ecology and traditional ecological knowledge	Dr. Gopi.G.V, (PI) Dr. S. Sathyakumar, (Co-PI) Dr. K. Sivakumar (Co-PI) Dr. Parag Nigam (Co-PI)	MoEFCC	

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E.3.	Assessment of Disease Prevalence in Ungulates in Protected Areas of North East India.	Dr. S. Sathyakumar Dr. Lallianpuii Kawlini Dr Vishnupriya Kolipakam Sh. Qamar Qureshi	MoEFCC	Ongoing
E.4.	Assessing fine scale distribution pattern, population and habitat status of northern Swamp deer (<i>Rucervus duvauceli duvauceli</i>) across upper Gangetic Plains of north India	Dr. Samrat Mondol Dr. Bivash Pandav Dr. Parag Nigam Dr. Bilal Habib Dr. Navendu Page	MoEFCC	
E.5.	Ecology and Recovery of critically endangered Vulture species in Pong Dam Protected Area (PA) and its Eco Sensitive Zone (ESZ) in Himachal Pradesh	Dr. Gautam Talukdar Dr. K. Sivakumar Dr. R. Suresh Kumar Dr. Anju Baroth	MoEFCC	
E.6.	Landscape-scale assessment of habitat, population, and genetic structure of Hispid Hare <i>Caprolagus hispidus</i> in the highly fragmented Terai grassland of India	Dr. Sutirtha Dutta Dr. Malvika Onial Dr. Vishnupriya Kolipakam	DST	Ongoing
F.	Activities for implementing the mandate of National Tiger Conservation Authority			
F.1.	Activities of WII-NTCA Tiger Cell.	Dr. Y.V. Jhala (PI) Sh. Qamar Qureshi Dr. Bivash Pandav	NTCA	Ongoing
F.2.	Study of tiger ecology and dispersal patterns in Kanha & Corbett Tiger Reserves.	Dr. Y.V. Jhala (PI) Sh. Qamar Qureshi (Co-PI)	NTCA	Ongoing
F.3.	MSTripES implementation in Tiger Reserves.	Tiger Cell Dr. Y.V. Jhala (PI) Sh. Qamar Qureshi (Co-PI)	NTCA	Ongoing
F.4.	Genetic connectivity at landscape scales for large carnivore population in tiger habitats.	Dr. Y.V. Jhala (PI) Sh. Qamar Qureshi (Co-PI) Dr Vishnupriya Kolipakam (Co-PI)	NTCA	Ongoing
F.5.	E-bird technology for tiger conservation: development and integration of un-manned aerial vehicles as a surveillance and monitoring tool for protection of tiger and capacity building of frontline staff.	Dr. K. Ramesh (PI) Dr. Vaibhav Mathur (NTCA) Sh. Nishant Verma (NTCA) Dr. Christy Williams (WWF)	NTCA	Ongoing
F.6.	Management of Invasive Species in Wet Grasslands of Kaziranga Tiger Reserve, Assam	Dr. S.A. Hussain (PI) Dr. B.S. Adhikari Dr. G.S. Rawat Dr. Ruchi Badola	NTCA	Ongoing
F.7.	Ecological impact assessment of existing and proposed road infrastructure in important wildlife corridors in India and strategic planning of smart green infrastructure.	Dr. Bilal Habib (PI) Dr. Y. V. Jhala (Co. Pi)	NTCA	Ongoing
F.8.	Movement Ecology of Tiger (<i>Panthera tigris</i>) for Conflict Prediction and Landscape Management in Sathyamangalam-Nilgiri Biosphere Complex, Southern India	Dr. K. Ramesh (PI) Dr. Vaibhav Mathur (Co-PI) Mr. Rajendra Garawad (Co-PI) & Field Directors (Collaborators)	NTCA	Ongoing

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F.9.	Promoting community participation in conservation and conflict resolution in the fringe villages of Kaziranga Tiger Reserve, Assam	Dr. Ruchi Badola (PI) Dr. S.A. Hussain	NTCA	Ongoing
F.10.	Connecting the Dots: Finding Dispersal Corridors for Tigers in Kaziranga – Karbi Anglong Landscape	Dr. S.A. Hussain (PI) Dr. Gopi, G.V. Dr. Ruchi Badola	NTCA	Ongoing
F.11.	Developing a collaborative strategy for conservation of tigers in north east India: Component 1- Status and conservation of tigers and their habitats in the hill ranges of north east India with special reference to Mishmi hills, Manipur and Nagaland	Dr.Gopi.G.V (PI) Dr. S.A. Hussain (Co-PI)	NTCA	Ongoing
G.	Research Projects: Grant-in-aid Funded			
G.1.	National Atlas of Colonial Nesting Waterbirds in the coastal states of East India.	Sh. Gopi, G.V. and Dr. Bivash Pandav	Grant-in-aid	Ongoing
G.2.	Ecological monitoring of Chambal River basin with special reference to water requirement of key aquatic species.	Dr. S.A. Hussain (PI) Dr. S.K. Gupta & Dr Ruchi Badola	Grant-in-aid	Ongoing
G.3.	Long-Term demographic & Monitoring of the Asiatic Lion Landscape	Dr. Y.V. Jhala	Grant-in-Aid	Ongoing
G.4.	Understanding disturbance impacts on psychological, nutritional and reproductive health of wild tiger and leopards in the Terai-Arc landscape.	Dr. Samrat Mondol and Dr. Bivash Pandav	Grant-in-aid	Ongoing
G.5.	Study on ecology and migratory patterns of Golden Mahseer (<i>Tor putitora</i>) using radio telemetry techniques.	Dr. J.A. Johnson (PI) Dr. K. Sivakumar (Co-PI)	Grant-in-aid & in collaboration with WWF	Ongoing
G.6.	Diet, foraging behavior and habitat factors affecting breeding success of riverine island-nesting birds in the National Chambal Sanctuary.	Dr. Bivash Pandav (PI)	Grant-in-aid	Ongoing
G.7.	Spatial ecology of Himalayan Torrent Frog <i>Nanorana vicina</i> (Stoliczka 1872) in response to habitat dynamics.	Dr. Abhijit Das (PI)	Grant-in-aid	Ongoing
G.8.	<i>Panthera tigris</i> genome: Implications in forensics and conservation. Phase II–DNA profiling of tiger populations from southern, eastern and northeast India.	Dr. S.P. Goyal, (PI) Dr. Parag Nigam Dr. Dhananjai Mohan	Grant-in-aid	Ongoing
G.9.	Extension of the research activity on flycatcher phylogeography	Dr. Dhananjai Mohan Dr. Pratap Singh Dr. S.K. Gupta Dr. R.Suresh Kumar	Grant-in-aid	Ongoing
G.10.	Collection of reference samples from the mammals of Schedule I, II and III of Wildlife (Protection) Act, 1972 and other important	Dr. S.K. Gupta	Grant-in-aid	Ongoing

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	non-mammalian species and establishment of DNA data bank for forensic case work			
G.11.	Preparation of 'A Field Guide to the Plants of Shivalik Hill Range	Dr. Navendu Page Dr. Bivash Pandav Dr. G.S. Rawat	Grant-in-aid	Ongoing
G.12.	Monitoring common birds in a changing world: Ecological and phylogenetic aspects of Barn Swallows in the Himalaya	Dr. R. Suresh Kumar Dr. S. Sathyakumar Dr. Dhananjai Mohan	Grant-in-aid	To commence (Awaiting funds)
G.13.	Mountain Ungulates and their habitats in Kedarnath Wildlife Sanctuary: A Reappraisal	Dr. S. Sathyakumar	Grant-in-aid	To commence (Awaiting funds)
G.14.	Wildlife Disease Investigation Initiative at Wildlife Institute of India	Dr. Bindu Raghavan Dr. Lallianpui Kawlini	Grant-in-aid	To commence (Awaiting funds)
G.15.	Assessing the need for setting up plant forensic lab in WII	Dr. Navendu Page Dr. G.S. Rawat Dr. G.S. Goraya	Grant-in-aid	Ongoing
G.16.	Establishment of Wildlife Informatics and Intelligence Big Data Laboratory at Wildlife Institute of India	Dr. Y.V. Jhala Sh. Qamar Qureshi Dr. Gautam Talukdar	Grant-in-aid	To commence (Awaiting funds)
H.	Research Projects/ Collaborative Projects: Externally Funded			
H.1.	Management plan preparation and monitoring of turtles in Surinsar-Mansar Wetlands, Jammu, India	Dr J.A Johnson (PI) Dr. Abhijit Das (PI) Dr K Sivakumar (Co-PI)	Department of Wildlife Protection, J& K Forest Department	Ongoing
H.2.	Inventory and Natural history studies on Herpetofauna of Great Himalayan National Park	Dr Abhijit Das	Himachal Pradesh Forest Department	To be initiated
H.3.	Biogeography of eastern borderland in India: Evidences from Ectotherma	Dr Abhijit Das	DST-SERB	Ongoing
H.4.	Collaborative activities in Training, Research and Academic advancements under MoU between WII (MoEFCC) and University of British Columbia (UBC), Canada. (1) Collaborative Project on Integrated Landscape Management in Kaveri and Columbia Basins (2) The Himalaya Program (3) Joint Certificate Courses (4) Collaborative PhD. Program Student/Faculty Exchange	Dr. K. Ramesh (PI) & WII Team	UBC, Canada/ Government of India/ Other Funding Sources	Ongoing
H.5.	Collaborative activities in Training, Research and Academic advancements under MoU between WII and Zoological Society of London.	Dr. Parag Nigam (PI) Dr. P.K. Malik (PI) Dr. Bilal Habib (Co-PI)	WII/ZSL/University of Edinburgh	Ongoing

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H.6.	Supporting transboundary tiger recovery in Nandhaur WLS, Uttarkhand	Dr. P.K. Malik Dr. Bivash Pandav	ZSL/IUCN-KfW	Ongoing
H.7.	WII-University of Chicago collaborative Bird study in Western and Eastern Himalayas.	Dr. D. Mohan Dr. Pratap Singh (PI), Dr. R. Suresh Kumar (Co-PI), Dr. S.K. Gupta (Co-PI), Dr. Samrat Mondol (Co-PI)	University of Chicago	Ongoing
H.8.	Tiger Reintroduction and Recovery Programme for Panna Tiger Reserve and the Landscape Complex, Madhya Pradesh: Phase-II.	Dr. K. Ramesh (PI) Dr. J.A. Johnson (Co-PI) FD, Panna TR (Collaborator)	MPFD/NTCA	Ongoing
H.9.	An investigation of species occupancy patterns and niche differentiation among sympatric carnivores across varying land use and disturbance regimes in and around Mehao Wildlife Sanctuary, Arunachal Pradesh.	Dr. Gopi G.V. (PI)	SERB, DST	Ongoing
H.10.	Kailash Sacred Landscape Conservation and Development Initiative (KSLCDI)- Phase II	Dr. B.S. Adhikari, Dr. G.S. Rawat & Team UNESCO C2C team	ICIMOD	Ongoing
H.11.	Mainstreaming landscape approach for biodiversity conservation, improved livelihoods and ecosystem health in Kailash Sacred Landscape part of India	Dr. B.S. Adhikari	NMHS (MoEFCC)	Ongoing
H.12.	Assessment and monitoring of climate change effects on wildlife species and ecosystems for developing adaptation and mitigation strategies in the Indian Himalayan region.	Dr. S. Sathyakumar (Nodal Officer) Dr. K. Ramesh Dr. K. Sivakumar Dr. J.A. Johnson Dr. Gautam Talukdar	DST NMSHE Programme	Ongoing Phase-I (up to July 2020) Phase II (August 2020 onward)
H.13.	Black Kites in Delhi & UP.	Dr. Y.V. Jhala (PI) Sh. Qamar Qureshi (Co-PI) Dr. Dhananjai Mohan	Raptor Research & Conservation Foundation	Ongoing
H.14.	Tiger Recovery Strategy and Long-term Monitoring in Sahyadri Tiger Reserve, Maharashtra	Dr. K. Ramesh (PI)	Sahyadri Tiger Foundation, Maharashtra	Ongoing
H.15.	Understanding the Amur Falcons, their stop-over sites in Nagaland and their migratory routes for better conservation planning	Dr. R. Suresh Kumar (PI)	MoEFCC	Ongoing
H.16.	An Assessment of the Impact of Power-Lines on Avian Species in parts of Rajasthan and Gujarat, Western India	Dr. R. Suresh Kumar (PI) Dr. Anju Baroth (Co-PI)	Power Grid Corporation of India	Ongoing
H.17.	Genetic assessments of wild-caught captive leopards in the state of Maharashtra: Implications in leopard disease and illegal trade.	Dr. Bilal Habib (PI) Dr. Samrat Mondol (Co-PI) Dr. Parag Nigam (Co-PI)	Maharashtra Forest Department	Ongoing

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H.18.	Meta-population dynamics of tigers in the Terai-arc landscape, India.	Dr. Samrat Mondol (PI) Dr. Bivash Pandav (Co-PI) Dr. Gautam Talukdar (Co-PI)	WCT-PANTHERA and DST, Gol	Ongoing
H.19.	Long term conservation plan for Hangul Part-II: Hangul movement pattern study using GPS/ Satellite Telemetry – Technical Collaboration.	Dr. Parag Nigam (Co-PI) Sh. Qamar Qureshi (Co-PI)	SKUAST-K	Ongoing
H.20.	Tiger dispersal in Eastern Vidarbha Landscape (EVL): Studying the dispersal of tigers across the Eastern Vidarbha Landscape (EVL), Maharashtra, India.	Dr. Bilal Habib (PI) APCCF (WL) Nagpur, (PI) Dr. Parag Nigam (Co-PI)	Maharashtra Forest Department	Ongoing
H.21.	Ecology of Wolves with Emphasis on Dispersal in a Human Dominated Landscape, Maharashtra, India.	Dr. Bilal Habib (PI) Sh. Salvador Lyngdoh (Co-PI)	DST (Gol)	Ongoing
H.22.	Developing genetic database to understand metapopulation dynamics and connectivity of tigers and other large predators across tiger landscape of Maharashtra, India.	Dr. Bilal Habib (PI) Dr. Samrat Mondal (PI) Additional PCCF W-East, (PI) Maharashtra FD	Maharashtra FD	Ongoing
H.23.	Long Term Monitoring of Leopard and its Prey in Kalesar National Park, Haryana.	Dr. Bilal Habib (PI) Dr. Gautam Talukdar (Co-PI) Sh. Salvador Lyngdoh (Co-PI) Dr. Parag Nigam (Co-PI) Dr. Bivash Pandav (Co-PI)	Haryana Forest Department	Ongoing
H.24.	Ecology of clouded leopard (<i>Neofelis nebulosa</i>) in an East- Himalayan biodiversity hotspot.	Sh. Salvador Lyngdoh (PI) Dr. Bilal Habib, (Co-PI)	DST	Ongoing
H.25.	Development of landscape management plan and monitoring strategy with reference to Ken-Betwa river-linking project in Panna Tiger Reserve, Madhya Pradesh.	Dr. K. Ramesh (PI) Dr. J.A. Johnson (Co-PI) Dr. Abhijit Das (Co-PI)	NWDA	Ongoing
H.26.	Assessment of biodiversity values of Gautam Budha Wildlife Sanctuary, Bihar & Jharkhand	Dr. Gopi G.V. (PI) Dr. S.A. Hussain (Co-PI) Dr. Ruchi Badola (Co-PI) Dr. B.S. Adhikari (Co-PI) Dr. Gautam Talukdar (Co-PI) Dr. Abhijit Das (Co-PI) Dr. Ramesh C. (Co-PI)	DFCCIL	Ongoing
H.27.	Spatio-temporal and thermal ecology of Indian Python (<i>Python molurus molurus</i> Linn. 1758) in Moyar River Valley, Tamil Nadu	Dr. Ramesh C.(PI) Dr. Abhijit Das(Co-PI) Dr. Gautam Talukdar (Co-PI)	SERB-DST	Ongoing

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H.28.	Assessing potential of community participation in biodiversity conservation of Kalesar NP and proposed Kund Community Reserve Haryana	Dr. Ruchi Badola Dr. SA Hussain	Haryana Forest Department	Ongoing
H.29.	Dissemination and Evaluation of technologies through networking of various institutes and organizations of mountain ecosystem of western Himalayas (J&K, HP, Uttarakhand)	Dr. Ruchi Badola Dr. S.A. Hussain	DST	Ongoing
H.30.	Assessment and Conservation Practices of Pollinators through Community Participation in the Indian Trans Himalayan Region: Climate Change Perspective	Dr. V. P. Uniyal	NMHS	Ongoing
H.31.	Conservation Management of Elephants in Chhattisgarh: Capacity building initiative on the dispersal and ranging patterns of elephants for effective management of Human-Elephant interactions	Dr. Bivash Pandav (PI) Dr. Parag Nigam (PI) Shri Ajay A. Desai (Subject specialist)	Chhattisgarh Forest Department	Ongoing
H.32.	Human Wildlife Conflict Mitigation in India	Dr. S. Sathyakumar Dr. C. Ramesh	GIZ	Ongoing
H.33.	Intelligent Multi-Sensor System for Elephant Movement Detection - Feasibility Study	Dr. Bivash Pandav and WII Team	MoEFCC	Ongoing
H.34.	Augmentation and Long-term Monitoring of Tiger in Buxa Tiger Reserve, West Bengal	Dr. K. Ramesh and WII Team	West Bengal Forest Department and NTCA	Ongoing
H.35.	Augmentation and Recovery of Tiger Population in Satkosia Tiger Reserve, Odisha	Dr. K. Ramesh and WII Team	Odisha Forest Department and NTCA	Ongoing
H.36.	Satellite tracking Amur falcons <i>Falco amurensis</i> from their stop-over sites in Manipur to support conservation efforts	Dr. R. Suresh Kumar (PI)	Manipur State Forest Department	Ongoing
H.37.	Estimation of Economic losses due to forest fire in Uttarakhand and Himachal Pradesh - A pilot study	Dr. B.S. Adhikari (PI) Shri Salvador Lyngdoh (Co-PI)	MoEF&CC	Ongoing
H.38.	Ecological responses of flora and fauna to climate change in the Trans-Himalayan landscape with special reference to vulnerability and adaptations	Dr. B.S. Adhikari (PI) Shri Salvador Lyngdoh (Co-PI)	MoEF&CC under NATCOM	Ongoing
H.39.	Assessment of climate change impacts on soil health through microbial and plant communities in alpine ecosystems of the Indian Himalayan Region	Dr. Gautam Talukdar (PI) Dr. G.S. Rawat	GOI – UNDP Under NATCOM	Ongoing
H.40.	Securing livelihoods, conservation, sustainable use and restoration of high range Himalayan ecosystems (SECURE - Himalaya)	Dr. S. Sathyakumar Dr. B.S. Adhikari, Co-PI Dr. Gautam Talukdar, Co-PI Dr. Salvador Lyngdoh, Co-PI Dr. Amit Kumar, Co-PIs Dr. A.K. Gupta	UNDP under SECURE Himalaya	Ongoing

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H.41.	Impact assessment and mitigation measures for the proposed Nagpur-Mumbai Super Communication Expressway – Maharashtra Samriddhi Corridor	Dr. Bilal Habib and WII team	MSRDC	Ongoing
H.42.	Protecting and Investing in Natural Capital in Asia and the Pacific	Dr. Malvika Onial Dr. Asha Rajvanshi	Asian Development Bank	Ongoing
H.43.	Linking Protected Areas Networks and Near Real Time “Rain Bird” locations with IBIN	Dr. Gautam Talukdar (PI) Dr. Suresh Kumar (Co-PI)	DBT-DOS	Ongoing
H.44.	Inventorization of flora and fauna of conservation significance in Shaila Pattan and Ranjit Sagar wetlands and Lalwan Community Reserve, Punjab	Dr. S.A. Hussain Dr. Ruchi Badola Dr. B.S. Adhikari Dr. G.V. Gopi	Forest and Wildlife Protection Department, Punjab	Ongoing
H.45.	Mangrove responses to sea level change along the gradient of tectonic subduction - A multi-disciplinary approach	Dr. Nehru P	DST	Ongoing
H.46.	Development of a Management Plan for Siswan Community Reserve of Punjab	Dr. A.K. Bhardwaj Dr. B.S. Adhikari Dr. Bivash Pandav Dr. Gautam Talukdar	Forest and Wildlife Protection Department, Punjab	Ongoing
H.47.	Preparation of State level strategy for mitigation of Human-Wildlife Conflict in Kerala	Dr. A.K. Bhardwaj Sh. Qamar Qureshi Dr. Nehru.Prabhakaran Dr. C. Ramesh	Kerala Forest and Wildlife Department	Ongoing
H.48.	Source to Sea: Ganga Expedition	Dr. S A Hussain (Project Co-ordinator and PI) Dr. Ruchi Badola (Co-PI) Dr. Bitapi Sinha (Co-PI) Dr. J A Johnson (Co-PI) Dr. Anju Baroth (Co-PI)	National Geographic Society (NGS)	Ongoing
H.49.	Population Ecology of Chital in Pench Tiger Reserve	Dr. Vishnupriya Kolipakam Dr. Lallianpui Kawni Sh. Qamar Qureshi	Madhya Pradesh Forest Deptt	To be initiated
H.50.	Understanding Large Carnivore Conflict Issues in Maharashtra for Suggesting Conflict Reduction Measures	Dr. Bilal Habib Dr. Parag Nigam	Maharashtra Forest Department	Ongoing
H.51.	Establishment of a web portal for dissemination of research findings as a decision support system for policy makers and wildlife managers in Maharashtra	Dr. Bilal Habib Dr. Parag Nigam	Maharashtra Forest Department	Ongoing
H.52.	Long-Term Monitoring of Tigers, Co-Predators and Prey in Tiger Reserves and Other Tiger Bearing Areas of Vidarbha, Maharashtra (10 Years)	Dr. Bilal Habib Dr. Parag Nigam	Maharashtra Forest Department	Ongoing
H.53.	Venomous Snake Telemetry Project	Dr Abhijit Das	HSI	Ongoing
H.54.	Understand Role of Wild Dogs in Navegaon – Nagzira Tiger Reserve on tiger recovery (10 Years)	Dr. Bilal Habib Dr. Parag Nigam	Maharashtra Forest Department	Ongoing

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H.55.	Understand Ecology of Ratel in Melghat Tiger Reserve (5 Years)	Dr. Bilal Habib Dr. Parag Nigam	Maharashtra Forest Department	Ongoing
H.56.	Understand the Movement of Selected Tiger Females and their Subsequent Generations in Vidarbha Landscape, Maharashtra India (10 Years)	Dr. Bilal Habib Dr. Parag Nigam	Maharashtra Forest Department	Ongoing
H.57.	Conservation Plan for Biodiversity likely to be Impacted by Greenfield Jewar International Airport, Gautam Budh Nagar, Uttar Pradesh	Dr. Bilal Habib Dr. S.P. Goyal Dr. A.K. Bhardwaj Dr. Asha Rajvanshi	YEIDA	Ongoing
H.58.	Ecology and Conservation Perspectives of Fishing cat (<i>Prionailurus viverrinus</i>) in EGREE, Andhra Pradesh	Dr. Bilal Habib Shri. Anant Kumar Dr. K. Sivakumar Dr. Parag Nigam	AP Forest Department	To be initiated
H.59.	Understanding the impact of mining areas of Western Coalfields Limited (WCL) and Chandrapur Thermal Power Plant, Chandrapur for effective management of wildlife	Dr. Bilal Habib Dr. Parag Nigam	WCL and MAHAGENCO	Funds awaited
H.60.	Understanding the movement of Sloth Bears by Radio-collaring in Vidarbha region of Maharashtra, India	Dr. Bilal Habib Dr. Parag Nigam	Maharashtra Forest Department	Funds awaited
H.61.	Assessment of Habitat, Prey and Connectivity for Tiger Recovery Plan in the State of Chhattisgarh	Dr. Bilal Habib Dr. Bivash Pandav Dr. Parag Nigam	Chhattisgarh Forest Department	Funds awaited
H.62.	Biodiversity assessment of three alternative sites for the proposed Gargi Dam in and around Tansa Wildlife Sanctuary	Dr. Bilal Habib Dr. Parag Nigam	Municipal Corporation of Greater Mumbai	Funds awaited
H.63.	Monitoring of Reintroduced Gaur in Bandhavgarh Tiger Reserve Phase II ext.(2018-2021)	Dr Parag Nigam Dr Bilal Habib Dr Samrat Mondol Field Director, BTR	Madhya Pradesh Forest Deptt	Funds awaited
H.64.	Preparation of Management Plan of Bakhira Wildlife Sanctuary	Dr JA Johnson Dr K Sivakumar Dr. Dhananjai Mohan	Uttar Pradesh Forest Department	Ongoing
H.65.	Preparation of Management Plan of Rani Jhansi Marine National Park, Andaman	Dr K Sivakumar Dr JA Johnson	ANFD & CAMPA	Ongoing
H.66.	Preparation of People's Biodiversity Register (PBR) and Training of Biodiversity Management Committees (BMCs) in Haryana	Dr. Amit Kumar (PI) Sh. P.C. Tyagi Dr. A.K. Bhardwaj	Haryana State Biodiversity Board	Ongoing
H.67.	Ecological impacts of major invasive alien plants (IAPs) on native flora in Rajaji Tiger Reserve, Uttarakhand	Dr. Amit Kumar (PI) Dr. B.S. Adhikari (Co-PI) Sh. Qamar Qureshi (Co-PI) Dr. Navendu Page (Co-PI) Dr. G.S. Rawat	DST-SERB	Funds awaited
H.68.	A study on colonial nesting waterbirds of the Kokkarebelluru Community Reserve, Southern Karnataka – with special emphasis on the Near-threatened Spot-billed Pelican	Dr. R. Suresh Kumar	Karnataka Forest Department	Funds Awaited

S. No.	Activity	Course Director/ Faculty in-charge/ Project Investigator(s)/ Nodal Officer	Source of funding	Remarks
H.69.	Ecology & Conservation of major carnivores and ungulates of semi arid grasslands – scrub-agro systems in Karnataka	Sh. Qamar Qureshi Dr. Y.V. Jhala	Karnataka Forest Department	TBI
I.	MoEF&CC & Other Agencies Funded Projects & Activities			
I.1.	Evaluation of Management Effectiveness of Protected Areas of National Parks and Wildlife Sanctuaries	Dr. Gautam Talukdar (PI) Dr. Monali Sen (Co-PI) & WII Team	MoEF&CC	Ongoing
I.2.	Planning and management for aquatic species conservation and maintenance of ecosystem services in the Ganga river basin for a clean Ganga	Dr. S.A. Hussain (PI) Coordinator Dr. Ruchi Badola (Co-PI) & Select WII Faculty Members as team	NMCG	Ongoing
I.3.	Activities under National Mission on Himalayan Studies (NMHS) Large Grant project on HWC in the IHR	Dr. S. Sathyakumar (Coordinator) Dr. G.S. Rawat (Advisor)	NMHS	ongoing
I.4.	A study on the traditional ecological knowledge among the selected indigenous ethnic groups in Uttarakhand.	Dr. S. Sathyakumar (PI)	DST/JNU	Upto June 2020
I.5.	Influence of micro-climatic variables on herbaceous plant communities in treeline ecotone in the Himalaya.	Dr. B.S. Adhikari (PI)	GBPIHED/MoEFCC	Ongoing
I.6.	Long Term Monitoring of Bird Diversity and Populations Across India - Long Term Ecological Observatories Program	Dr. R. Suresh Kumar (PI) Dr. Sutirtha Dutta	MoEFCC	Funds awaited
I.7.	Long Term Ecological Observatory – Movement Ecology of Sentinel Species	Dr. R. Suresh Kumar Dr. Parag Nigam	MoEFCC	Funds Awaited
I.8.	Movement pattern, demography, interaction with livestock and their impacts on parasite load of Swamp deer (<i>Rucervus duvauceli duvauceli</i>) at Uttarakhand and Uttar Pradesh, India	Dr. Samrat Mondol (PI) Dr. Bivash Pandav (Co-PI) Dr. Dhananjai Mohan (Co-PI) Dr. Bilal Habib (Co-PI) Dr. Parag Nigam (Co-PI)	UKFD/IUCN	Ongoing
I.9.	Implementing Rhino DNA Indexing System (RhodIS) to curb Rhino poaching and help population management across Rhino-bearing states in India	Dr. Samrat Mondol (PI)	WWF-India, MoEFCC	Ongoing
I.10.	Pilot project on reproductive control of select wild animal species	Shri Qamar Qureshi Dr. Y.V. Jhala Dr. Lallianpuii Kawini Dr. Vishnupriya Kolipakam	MoEFCC	Ongoing
I.11.	Biotechnological Interventions for Management of Protected Areas	Dr. B.S. Adhikari (PI) Dr. Amit Kumar (Co-PI) Dr. Gopi GV (Co-PI)	Department of Biotechnology, New Delhi	Under consideration
I.12.	Monitoring forest structure and dynamics in relation to climate change across different biogeographic zones of India	Dr. B. S. Adhikari (PI) Dr. G. S. Rawat (Advisor)	MoEF&CC	Ongoing
I.13.	Monitoring fresh water fish population in selected Indian landscapes under Long Term Ecological Observation Programme	Dr. J.A. Johnson (Team Leader) Dr. K. Sivakumar	MoEF&CC	Ongoing

S. No.	Activity	Course Director/ Faculty in-charge/ Project Investigator(s)/ Nodal Officer	Source of funding	Remarks
I.14.	Rapid assessment and status of wildlife between Kota Barrage to Jawahar Sagar Dam in river Chambal in view of the construction of Cable Stayed bridge by NHAI	Dr. S.A. Hussain (PI) Dr. Ruchi Badola (Co-PI)	Rajasthan Forest Department	Ongoing
I.15.	Movement in Space and Time: Ecology of Red Fox in Upper Tawang Valley, Eastern Himalayas	Dr. Bilal Habib	NMHS Small Grant	Ongoing
I.16.	Taxonomic and Ecological studies on Arachnids of Trans and Western Himalaya, India	Dr. V.P. Uniyal	MoEF&CC	Ongoing
I.17.	Response to Anthropocene and Climate Change: Movement Ecology of Selected Mammal Species across Indian Himalayan Region	Dr. Bilal Habib Dr. G. S. Rawat	NMHS Medium Grant	To be initiated
I.18.	Long-term monitoring of soil processes in forests and grasslands	Dr B.S. Adhikari	MoEF & CC	Under consideration
I.19.	Development of Criteria and Indicators for Management Effectiveness Evaluation (MEE) of Indian Zoos	Shri P.C. Tyagi Dr. A.K. Bhardwaj Dr. Bitapi C. Sinha Dr. K. Ramesh Dr. Parag Nigam	CZA	Ongoing
J.	Activities funded under National Compensatory Advisory Committee (NCAC), MoEFCC			
J.1.	Project on "Conserving Great Indian Bustard occupied landscapes through Scientific understanding and Participatory Planning" Habitat Improvement and Conservation Breeding of Great Indian Bustard: An Integrated Approach	Dr. Y.V. Jhala (PI) Dr. Sutirtha Dutta (Co-PI)	NCAC	Ongoing
J.2.	Conservation Action Plan for Manipur's Brow Antlered Deer or Sangai: An Integrated Approach.	Dr. S.A. Hussain (PI) Dr. Ruchi Badola (Co-PI)	NCAC	Ongoing
J.3.	Development of Conservation Action Plan for River Dolphins.	Sh Qamar Qureshi (PI) Dr. S.A. Hussain (Co-PI) Dr Vishnupriya Kolipakam (Co-PI) Dr Ruchi Badola (Co-PI) Dr Bitapi Sinha (Co-PI)	NCAC	Ongoing
J.4.	Recovery of Dugongs and their Habitats in India: An Integrated Participatory Approach.	Dr. K. Sivakumar (PI) Dr. J.A. Johnson (Co-PI) Dr. K. Ramesh (Co-PI) Dr. Samrat Mondol (Co-PI)	NCAC	Ongoing
K.	Activities of Cells /Sections/Departments of the Institute			
	Grant-in-aid Funded			
K.1.	Creation and updating of GIS/RS Databases of Research Projects.	Sh. Qamar Qureshi	Grant-in-aid	

S. No.	Activity	Course Director/ Faculty in-charge/ Project Investigator(s)/ Nodal Officer	Source of funding	Remarks
K.2.	Strengthening and up-gradation of the Protected Area Database.	Sh. Qamar Qureshi Dr. Gautam Talukdar Dr. K. Sivakumar	Grant-in-aid	
K.3.	(a) WII Annual Report for the year 2019-20 English/Hindi) (b) WII Newsletter (4 issues) (c) World Environment Day 2020 (d) Wildlife Week 2020	Dr. Bitapi C. Sinha	Grant-in-aid	
K.4.	Long term monitoring of birds, their habitat improvement, vegetation and biodiversity in and around Wildlife Institute of India campus, Dehradun	Dr. Pratap Singh Dr. Gautam Talukdar Dr. B.S. Adhikari Dr. V.P. Uniyal Dr. R. Suresh Kumar Dr. Malvika Onial	Grant-in-aid	Ongoing
K.5.	Wildlife Forensics and Conservation Genetics Cell	Dr. S.K. Gupta (PI) Dr. Samrat Mondol (Co-PI) Dr Vishnupriya Kolipakam (Co-PI)	Grant-in-aid	Ongoing
K.6.	Activity related to Research Biology Laboratory	Dr. J.A. Johnson (Nodal Officer)	Grant-in-aid	Ongoing
K.7.	Revision of PA Network Report for India	Dr. A.K. Bhardwaj (Project Coordinator) Sh. Qamar Qureshi Dr. Gautam Talukdar Other WII faculty	Grant-in-aid	Ongoing
K.8.	Preparation of a Trainers manual on Ecodevelopment for Biodiversity Conservation	Dr. Ruchi Badola Dr. A.K. Bhardwaj	Grant-in-aid	Ongoing
L.	Funded from other sources			
L.1.	Long-term monitoring of Wildlife and their habitats in Antarctica and Indian Southern Ocean with Special Reference to Climate Change.	Dr. K. Sivakumar (PI) Dr. S. Sathyakumar (Co-PI) Dr. Samrat Mondol (Co-PI)	NCAOR & Grant in-aid	Ongoing
L.2.	ENVIS Bulletin <ul style="list-style-type: none"> Three decades of Wildlife Research. Mesocarnivores Human-Wildlife Conflicts Rivers of India- An account of state of Pollution Series on PA of the Week 	Dr. K. Sivakumar (Coordinator) Dr. Anju Baroth (Co-coordinator) and Editors	ENVIS Secretariat, MoEFCC	Ongoing
L.3.	Activities of 'Elephant Cell' a. Long term monitoring of key elephant populations across India b. Mitigation of Human Elephant conflict in and around Rajaji Tiger Reserve with emphasis on mitigation strategies during Kumbh 2021	Dr. Bivash Pandav	a. MoEFCC b. UKFD	Ongoing

S. No.	Activity	Course Director/ Faculty in-charge/ Project Investigator(s)/ Nodal Officer	Source of funding	Remarks
L.4.	Status of India's Birds Report	Dr. Sutirtha Dutta Dr. Suresh Kumar Dr. Gautam Talukdar Dr. Malvika Onial Dr. Manoj Nair Dr. Vishnupriya Kolipakam Sh. Qamar Qureshi		
L.5.	Understanding Population Dynamics, Space Use, Movement and Diet of Leopards in Junnar Taluka, Maharashtra for Human Leopard Conflict Mitigation	Dr. Bilal Habib (PI) Sh. Vivek Khandekar (PI) Dr. Samrat Mondol (Co. PI) Dr. Parag Nigam (Co. PI)	Maharashtra Forest Department	
L.6.	Preliminary Assessment of Tigers, Co-Predators and Prey Species in Pranhita Wildlife Sanctuary, Maharashtra, India for Exploring Options of Conservation Translocation	Dr. Bilal Habib (PI) Dr. Parag Nigam (Co. PI)	Maharashtra Forest Department	
L.7.	Develop thematic atlas for Kochi and develop policy recommendations for the city authorities under the Integrated sub-national action for Biodiversity	Dr. Gautam Talukdar	ICLEI	ongoing
L.8.	Preparation of Detailed Project Report (DPR) for Bakhira Bird Sanctuary, Uttar Pradesh	Dr. K. Sivakumar Dr. J.A. Johnson Dr. C. Vijayakumar, <i>Reader, Centre for Inland Fisheries & Conservation, St. Andrew's College, Gorakhpur, Uttar Pradesh</i>	Uttar Pradesh Forest Department	
L.9.	Preparation of Uttar Pradesh State Biodiversity Strategy and Action Plan (UP-SBSAP)	Dr. Ruchi Badola Dr. S.A. Hussain Dr. Atul Kumar Gupta	Uttar Pradesh State Biodiversity Board	Ongoing
L.10.	Development of Interpretation Plan for Presidential Estate, Dehradun	Dr. Dhananjai Mohan Dr. Bitapi C. Sinha		
L.11.	Technical support to India European Water Programme (IEWP)	Dr. J.A. Johnson	GIZ and Central Water Commission	
L.12.	Ecology of Critically Endangered Hump-back Mahseer in Cauvery River System, India	Dr. J.A. Johnson Dr. K. Sivakumar	WWF-India, Mahseer Trust, UK, Shoal Organization	Ongoing
L.13.	Current Status, Distribution and threats to Indian pangolin in TAL, Uttarakhand, A Pilot Study	Sh. Salvador Lyngdoh Dr. P. Nigam Dr. S.P Goyal	Uttarakhand State Biodiversity Board	Ongoing
