



Northern Regional Centre

Zoological Survey of India, Dehradun, Uttarakhand

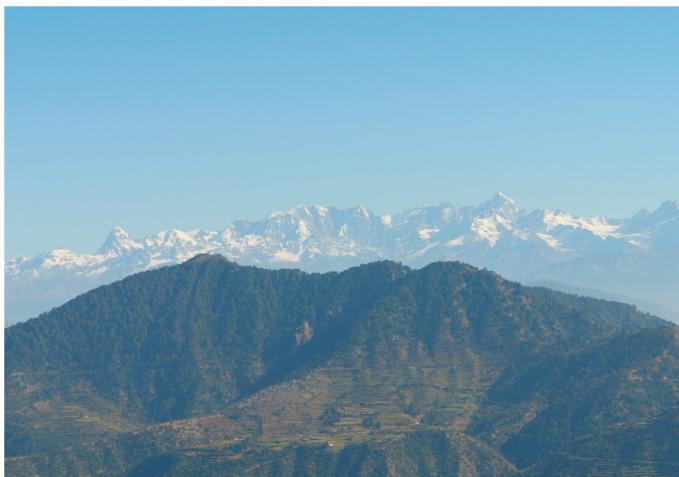


Government of India
Ministry of Environment and Forests

The Northern Regional Centre is entrusted with exploration of faunal wealth in five North Indian states: Uttarakhand, Uttar Pradesh, Punjab, Haryana, Delhi and the Union Territory - Chandigarh, covering an area of c. 4,41,707 sq km. The region comprises of ecologically diverse areas ranging from the western Himalayas in north with Shivaliks at the base, through Gangetic Plains with Terai in north and Bundelkhand in south, and the part of the Aravalis in southwest with equally diverse biodiversity in its one World Heritage Site (Nanda Devi), one Biosphere Reserve (Nanda Devi), two Tiger Reserves (Corbett and Dudhwa), nine National Parks, 46 Wildlife Sanctuaries, two Conservation Reserves and 48 Important Bird Areas.

The Northern Regional Centre at Dehradun, Uttarakhand, was established in August 1960 under the second five year plan of the Government of India. It is one among the sixteen Regional Centres of the Zoological Survey of India (ZSI), the internationally acclaimed taxonomic organization of the country.

The Centre is engaged in the documentation of the rich and diverse faunal resources of the region, by conducting field exploration and scientific studies.



Major Programmes undertaken

- ▶ Faunal Exploration of Uttarakhand, Delhi and Haryana States
- ▶ Faunal Exploration of Western Himalaya, Uttar Pradesh
- ▶ Faunal Exploration of Shiwalik Ecosystem of Punjab
- ▶ Faunal Exploration of Western Doon Shiwaliks, Dehradun
- ▶ Faunal Exploration of Asan Wetland, Dehradun
- ▶ Status of Mahseer Fish in Nayar Valley, Distt.
- ▶ Pauri, Uttrakhand Faunal Exploration of Corbett National Park



- ▶ Faunal Exploration of Rajaji National Park
- ▶ Faunal Exploration of Nanda Devi National Park
- ▶ Faunal Exploration Gobind Pashu Vihar
- ▶ Faunal Exploration of Asola-Bhatti Wildlife Sanctuary, Delhi
- ▶ Faunal Exploration of Nanda Devi Biosphere Reserve
- ▶ Faunal Exploration of Corbett Tiger Reserve, Uttarakhand
- ▶ Nematodes associated with soil and insects in Teak and Sal Forests of Dehradun
- ▶ Common butterflies of Uttarakhand Status survey of endangered and threatened species of Mammals and Birds of Nanda Devi National Park (1981-1984)
- ▶ Status Survey of Kiang Equus kiang Moortcraft, 1841 (Perisodactyla: Equidae) in Eastern Ladakh, India
- ▶ Trichotaxonomy of the Mammalian species
- ▶ Ecological and Molecular Studies on Turtles

Areas Surveyed

Western Himalaya, Eastern Ladakh, Haryana, Punjab, Uttar Pradesh and Delhi.

Conservation areas

Nanda Devi NP, Nanda Devi BR, Rajaji NP, Gobind Pashu Vihar, Corbett TR, Uttarakhand, Asola-Bhatti WLS, Delhi, Kalesar WLS in Haryana.



Major Scientific Contributions

Several species of Pisces, Isoptera, Hymenoptera, Myriapoda, Platyhelminths and Nematoda were described as new to science by the scientists of the Centre. Over 100 species forms first records from the states and region. Trichotaxonomy of Mammalian species and molecular studies on Turtles have been undertaken for the first time.

Available Taxonomic Expertise

Taxonomic studies on Mammals, Birds, Reptiles, Amphibia, Insects, Nematodes and Platyhelminthes are available at the Centre.



National Zoological Collections(NZC)

NZCs maintained at the Centre contain 1,94,918 identified specimens, of both vertebrates and invertebrates. The collection also includes 67 holotypes and 373 paratypes.



Modern Infrastructure and Advanced Research Facilities

The Centre is equipped with high resolution binocular microscopes with Differential Interference Contrast (BX51 DIC) drawing tube and digital camera facilities, and BX41 Olympus microscopes. The major recent additions to the Centre include Jeoul Bench Top Scanning Electron Microscope and DNA Preservation Lab instruments including, PCR, Deep freezer, Centrifuges and Gel-doc system.



Publications

16 books and 750 research papers were published in various National / International journals by the scientists of the Centre

- ▶ Fauna of Western Himalaya
- ▶ Fauna of Shiwalik Ecosystem of Punjab
- ▶ Fauna of Western Doon Shiwaliks, Dehradun
- ▶ Fauna of Asan Wetland, Dehradun
- ▶ Nayar Valley, Distt. Pauri: Status of Mahseer Fish
- ▶ Fauna of Corbett National Park and Tiger Reserve
- ▶ Fauna of Rajaji National Park
- ▶ Fauna of Nanda Devi National Park and Biosphere Reserve
- ▶ Fauna of Gobind Pashu Vihar
- ▶ Fauna of Asola-Bhatti Wildlife Sanctuary
- ▶ Handbook on Indian Wetland Birds and their Conservation
- ▶ Water Birds of Northern India
- ▶ Fauna of Uttarakhand (3 Volumes)
- ▶ Pictorial Handbook on some Common butterflies of Uttarakhand
- ▶ Nematodes associated with soil and insects in Teak and Sal Forests of Dehradun
- ▶ Trichotaxonomy of species of families Sciuridae, Viverridae, Mustelidae, Herpestidae and Tragulidae.



Library

The library of the Centre has acquired 6,539 books and 50 journals / periodicals are subscribed.

Museum

Representative fauna of the region, pictorials and habitat cases/models are in display at the Museum of the Centre, for generating public awareness towards biodiversity conservation.

Other Extension activities

Identification and advisory services are offered to students, researchers and scientists of other institutes. Talks/ lectures on various subjects related to faunal diversity and biodiversity conservation are delivered on request to the students as well as school /college teachers.

Northern Regional Centre
Zoological Survey of India, Dehradun-248195, Uttrakhand.
Phone/fax: 0135-2758362, Email: zsi@gmail.com

For more details visit <http://www.zsi.gov.in>

Published by the Director, Zoological Survey of India, Prani Vigyan Bhawan, M-Block, New Alipore, Kolkata-700 053. Phone : +91-33-2400 6893 / 2498 6820