

Journal of

Wildlife Science



VOLUME 2, ISSUE 1, MARCH 2025



ISSN (Online): 3048-7803

Editors

Editor-in-Chief

Mewa Singh *University of Mysore, Mysuru, India*

Managing Editor

Bilal Habib *Wildlife Institute of India, Dehradun, India.*

Associate Managing Editor

Vishnupriya Kolipakam *Wildlife Institute of India, Dehradun, India.*

Academic Editors

A. B. Srivastava *Nanaji Deshmukh Veterinary Science University, Jabalpur, India.*

Aashna Sharma *University of Washington, Seattle, Washington, USA.*

Abhijit Das *Wildlife Institute of India, Dehradun, India.*

Advait Edgaonkar *Indian Institute of Forest Management, Bhopal, Madhya Pradesh.*

Ajay Gaur *Centre for Cellular & Molecular Biology, Hyderabad, India.*

Ajith Kumar *National Centre for Biological Sciences, Bangalore, India.*

Akanksha Saxena *Wildlife Institute of India, Dehradun, India.*

Aleksandr Semjonov *Clinical operations, Estonian University of Life Sciences.*

Amit Kumar *Wildlife Institute of India, Dehradun, India.*

Amiya Kumar Sahoo *ICAR-Central Inland Fisheries Research Institute, Kolkata, India.*

Anand Krishnan *Jawaharlal Nehru Centre for Advanced Scientific Research.*

Anuradha Bhat *Indian Institute of Science Education and Research, Kolkata, India.*

Ashish David *Indian Institute of Forest Management, Bhopal, India.*

Ashish Jha *Wildlife Institute of India, Dehradun, India.*

Bitapi C. Sinha *Wildlife Institute of India, Dehradun, India.*

Bivash Pandav *Wildlife Institute of India, Dehradun, India.*

Chandra Prakash Kala *Indian Institute of Forest Management, Bhopal, Madhya Pradesh.*

Cobus Raath *Wildlife Pharmaceuticals, South Africa.*

Diwakar Sharma *WWF-India, New Delhi, India.*

G. Umapathy *Centre for Cellular and Molecular Biology, Hyderabad, India.*

Gautam Talukdar *Wildlife Institute of India, Dehradun, India.*

Gopi G.V. *Wildlife Institute of India, Dehradun, India.*

H. N. Kumara *Salim Ali Centre for Ornithology and Natural History, Coimbatore, India.*

H.V. Girisha *Wildlife Crime Control Bureau (WCCB), New Delhi, India.*

Himender Bharti *Punjab University, Patiala.*

Indranil Mondal *AI Dash, Bengaluru, India.*

J.A. Johnson *Wildlife Institute of India, Dehradun, India.*

K. Sivakumar *Pondicherry University, Pondicherry, India.*

Kristy Deiner *ETH Zürich Universitätsstrasse 16, 8092 Zürich, Switzerland.*

Manjari Jain *Behavioural Ecology Department of Biological Sciences, IISER Mohali.*

Manoj Nair *Forest Department, Government of Odisha, Bhubaneswar, India.*

Navendu Page *Wildlife Institute of India, Dehradun, India.*

Nishant Kumar *School of Human Ecology, Dr. B. R. Ambedkar, University, Delhi.*

P. K. Malik *Wildlife Institute of India, Dehradun, India.*

P. Pramod *Salim Ali Centre for Ornithology and Natural History, Coimbatore, India.*

P. R. Arun *Salim Ali Centre for Ornithology and Natural History, Coimbatore, India.*

Parag Nigam *Wildlife Institute of India, Dehradun, India.*

Punyasloke Bhadury *Indian Institute of Science Education and Research, Kolkata, India.*

Qamar Qureshi *Wildlife Institute of India, Dehradun, India.*

R. J. Ranjit *Daniels Care Earth Trust, Chennai, India.*

R. Suresh Kumar *Wildlife Institute of India, Dehradun, India.*

Rajapandian Kangaraj *Kasetsart University, Bangkok.*

Ruchi Badola *Wildlife Institute of India, Dehradun, India.*

S.A. Hussain *Wildlife Institute of India, Dehradun, India.*

S. K. Gupta *Wildlife Institute of India, Dehradun, India.*

S. Sathyakumar *Wildlife Institute of India, Dehradun, India.*

Samrat Mondol *Wildlife Institute of India, Dehradun, India.*

Shomita Mukherjee *Salim Ali Centre for Ornithology & Natural History, Coimbatore, India.*

Sumit Dookia *Guru Gobind Singh Indraprastha University, Delhi, India.*

Surendra P. Goyal *Wildlife Institute of India, Dehradun, India.*

Sushma Reddy *Bell Museum of Natural History, University of Minnesota.*

Sutirtha Dutta *Wildlife Institute of India, Dehradun, India.*

Tapajit Bhattacharya *Durgapur Government College, Paschim Bardhaman, India.*

Uma Ramakrishnan *National Centre for Biological Sciences, TIFR, Bengaluru.*

V. B. Mathur *National Biodiversity Authority of India*

Vidyadhar Atkore *Salim Ali Centre for Ornithology and Natural History, Coimbatore, India.*

Werner Kaumanns *German Primate Center and Curator of Primates, Cologne Zoo, Germany.*

Yogesh Dubey *Indian Institute of Forest Management, Bhopal, India.*

Advisory Board

Secretary

Ministry of Environment, Forest & Climate Change, Govt. of India

Director General of Forests & Special Secretary

Ministry of Environment, Forest & Climate Change, Govt. of India

Add. Director General of Wildlife

Ministry of Environment, Forest & Climate Change, Govt. of India

Sh. Virendra Tiwari

Director, Wildlife Institute of India

Dr. Ruchi Badola

Dean, Wildlife Institute of India

Editorial Staff

Shivam Shrotriya, *Assistant Managing Editor*

Kashish Sherdia, *Typesetter*

Hanok Stephen, *Website Designer*

Published By: Wildlife Institute of India <https://wii.gov.in/>

Published On: 11 March 2025

Publisher's disclaimer: The Publisher, Journal of Wildlife Science (JWLS) or Editors cannot be held responsible for any errors or consequences arising from the use of the information contained in this journal. All claims expressed in articles published in JWLS are solely those of the authors and do not necessarily represent those of their affiliated organisations or those of the publisher, the editors and the reviewers. Any product that may be evaluated or used in the research published in JWLS or claim made by its manufacturer is not guaranteed or endorsed by the publisher.

Open Access and Copyright: All articles published by JWLS are fully open access, meaning they are immediately and freely available to read, download, and share. All articles are published under the terms of a Creative Commons license (CC BY 4.0@), allowing for unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited. Copyright for any research article published by JWLS is retained by the author(s).

Contact Information: For inquiries regarding submissions, editorial policies, or other matters related to JWLS, please contact:

Journal of Wildlife Science, Wildlife Institute of India,
PO Box # 18, Chandrabani, Dehradun – 248001 INDIA

Email: info@jwls.in

ISSN (Online): 3048-7803 **DOI (Volume 2, Issue 1):** <https://doi.org/10.63033/JWLS.QMKS1461>

Cover Image: Himalayan Ibex *Capra sibirica hemalayanus*, Kibber, Spiti valley, Himachal Pradesh © Mahesh Negi Ronseru

About the Journal

The Journal of Wildlife Science (JWLS) is dedicated to advancing wildlife science and conservation through rigorous, evidence-based research across taxa and ecosystems. The journal operates on a diamond open-access model, meaning neither authors nor readers incur fees for accessing or publishing in JWLS. In a departure from the traditional pay-to-publish or pay-to-read models, our mission is to foster open and free access to high-quality, peer-reviewed interdisciplinary research in wildlife science, conservation, and management. We provide an inclusive, author-friendly platform welcoming original articles, reviews, commentaries, policy briefs, and novel paper types like Methods Papers, Natural History Notes, and Academic Practices in Wildlife Science. Our unique peer review approach emphasises constructive mentorship between authors and reviewers to elevate quality while fostering a collaborative research community.

JWLS is a quarterly publication with an online-first feature (publishing online as soon as the article is accepted). Therefore, the authors can submit their latest findings, insights, and perspectives for publishing in JWLS at any time.

Aim and Scope

The journal does not categorise research based on taxonomic groups, allowing authors working on any wildlife taxa, ecological communities, or ecosystems to submit their work under a relevant theme.

<https://jwls.in/author-guidelines>.

Submission Guidelines

Authors interested in submitting their work to JWLS are encouraged to review the updated submission guidelines at <https://jwls.in/author-guidelines>.

Manuscripts should be submitted online through our submission system (<https://www.editorialmanager.com/jwls/>), and all submissions will undergo rigorous peer review.



भारतीय वन्यजीव संस्थान
Wildlife Institute of India

Content

Review Article

1. Diversity of Caryophyllaceae Juss. in Uttarakhand (India)
Satish Chandra & Dharmendra Singh Rawat..... 01

Research Articles

2. Improved detection and classification of cryptic 'Phylloscopus' warblers with integrated computer vision and deep learning method
Tushar P. Parab, Glen Bennet Hermon, Maitreyee Bhave, Shashank Nagarale, Arnab Chattopadhyay & Sagar Rajpurkar 10
3. Assessing the impact of Livestock Grazing on Fecal Glucocorticoid Metabolites Levels and Gastrointestinal Parasites in Himalayan Ibex in Spiti Valley, Western Himalayas
Anuja Pandey, Priya Iyer, Vinod Kumar & Govindhaswamy Umopathy 20
4. Documentation of Vulnerable Bull Shark (*Carcharhinus leucas*) Occurrence in the Hooghly River, East Coast of India
Goura Chandra Das, Surya Prasad Sharma, Sanatan Tudu & Syed Ainul Hussain..... 26

Natural History Note

5. A report of a hybrid offspring between capped langur and Phayre's langur in the state of Assam, India
Biswajit Singh, Nazimur Rahman Talukdar, Amir Sohail Choudhury & Parthankar Choudhury..... 34

JWLS

JOURNAL OF WILDLIFE SCIENCE

*Interdisciplinary Journal of Wildlife Research,
Conservation and Management*

Contact Information:

Journal of Wildlife Science
Wildlife Institute of India,
PO Box # 18, Chandrabani,
Dehradun – 248001 INDIA
Email: info@jwls.in

<https://jwls.in>

