



Open Access

10.11609/jott.2026.18.7.29159-29374
www.threatenedtaxa.org

26 July 2026 (Online & Print)
18(7): 29159-29374
ISSN 0974-7907 (Online)
ISSN 0974-7893 (Print)



Vachellia nilotica



P Krítika



ISSN 0974-7907 (Online); ISSN 0974-7893 (Print)

Publisher
Wildlife Information Liaison Development Society
www.wild.zooreach.org

Host
Zoo Outreach Organization
www.zooreach.org

Srivari Illam, No. 61, Karthik Nagar, 10th Street, Saravanampatti, Coimbatore, Tamil Nadu 641035, India
Registered Office: 3A2 Varadarajulu Nagar, FCI Road, Ganapathy, Coimbatore, Tamil Nadu 641006, India
Ph: +91 9385339863 | www.threatenedtaxa.org
Email: sanjay@threatenedtaxa.org

EDITORS

Founder & Chief Editor

Dr. Sanjay Molur

Wildlife Information Liaison Development (WILD) Society & Zoo Outreach Organization (ZOO),
Coimbatore, Tamil Nadu 641006, India

Assistant Editor

Dr. Chaithra Shree J., WILD/ZOO, Coimbatore, Tamil Nadu 641006, India

Managing Editor

Mr. B. Ravichandran, WILD/ZOO, Coimbatore, Tamil Nadu 641006, India

Associate Editors

Dr. Mandar Paingankar, Government Science College Gadchiroli, Maharashtra 442605, India

Dr. Ulrike Streicher, Wildlife Veterinarian, Eugene, Oregon, USA

Ms. Priyanka Iyer, ZOO/WILD, Coimbatore, Tamil Nadu 641006, India

Board of Editors

Dr. Russel Mittermeier

Executive Vice Chair, Conservation International, Arlington, Virginia 22202, USA

Prof. Mewa Singh Ph.D., FASc, FNA, FNAsc, FNAPsy

Ramanna Fellow and Life-Long Distinguished Professor, Biopsychology Laboratory, and
Institute of Excellence, University of Mysore, Mysuru, Karnataka 570006, India; Honorary
Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore; and Adjunct
Professor, National Institute of Advanced Studies, Bangalore

Stephen D. Nash

Scientific Illustrator, Conservation International, Dept. of Anatomical Sciences, Health Sciences
Center, T-8, Room 045, Stony Brook University, Stony Brook, NY 11794-8081, USA

Dr. Fred Pluthero

Toronto, Canada

Dr. Priya Davidar

Sigur Nature Trust, Chadapatti, Mavinhalla PO, Nilgiris, Tamil Nadu 643223, India

Dr. John Fellowes

Honorary Assistant Professor, The Kadoorie Institute, 8/F, T.T. Tsui Building, The University of
Hong Kong, Pokfulam Road, Hong Kong

Prof. Dr. Mirco Solé

Universidade Estadual de Santa Cruz, Departamento de Ciências Biológicas, Vice-coordenador
do Programa de Pós-Graduação em Zoologia, Rodovia Ilhéus/Itabuna, Km 16 (45662-000)
Salobrinho, Ilhéus - Bahia - Brasil

Dr. Rajeev Raghavan

Professor of Taxonomy, Kerala University of Fisheries & Ocean Studies, Kochi, Kerala, India

English Editors

Mrs. Mira Bhojwani, Pune, India

Dr. Fred Pluthero, Toronto, Canada

Copy Editors

Ms. Paloma Noronha, Daman & Diu, India

Ms. Priyanka Iyer, Zooreach. Coimbatore, India

Ms. Trisa Bhattacharjee, Zooreach. Coimbatore, India

Ms. Usha Ravindra, Zooreach, Coimbatore, India

Mr. S. Sushanth, Zooreach. Coimbatore, India

Web Development

Mrs. Latha G. Ravikumar, ZOO/WILD, Coimbatore, India

Typesetting

Mrs. Radhika, Zooreach, Coimbatore, India

Mrs. Geetha, Zooreach, Coimbatore India

Fundraising/Communications

Mrs. Payal B. Molur, Coimbatore, India

Subject Editors 2021–2023

Fungi

Dr. B. Shivaraju, Bengaluru, Karnataka, India

Dr. R.K. Verma, Tropical Forest Research Institute, Jabalpur, India

Dr. Vatsavaya S. Raju, Kakatiya University, Warangal, Andhra Pradesh, India

Dr. M. Krishnappa, Jnana Sahyadri, Kuvempu University, Shimoga, Karnataka, India

Dr. K.R. Sridhar, Mangalore University, Mangalagotri, Mangalore, Karnataka, India

Dr. Gunjan Biswas, Vidyasagar University, Midnapore, West Bengal, India

Dr. Kiran Ramchandra Ranadive, Annasaheb Magar Mahavidyalaya, Maharashtra, India

Plants

Dr. G.P. Sinha, Botanical Survey of India, Allahabad, India

Dr. N.P. Balakrishnan, Ret. Joint Director, BSI, Coimbatore, India

Dr. Shonil Bhagwat, Open University and University of Oxford, UK

Prof. D.J. Bhat, Retd. Professor, Goa University, Goa, India

Dr. Ferdinando Boero, Università del Salento, Lecce, Italy

Dr. Dale R. Calder, Royal Ontario Museum, Toronto, Ontario, Canada

Dr. Cleofas Cervancia, Univ. of Philippines Los Baños College Laguna, Philippines

Dr. F.B. Vincent Florens, University of Mauritius, Mauritius

Dr. Merlin Franco, Curtin University, Malaysia

Dr. V. Irudayaraj, St. Xavier's College, Palayamkottai, Tamil Nadu, India

Dr. B.S. Kholia, Botanical Survey of India, Gangtok, Sikkim, India

Dr. Pankaj Kumar, Department of Plant and Soil Science, Texas Tech University, Lubbock, Texas, USA.

Dr. V. Sampath Kumar, Botanical Survey of India, Howrah, West Bengal, India

Dr. A.J. Solomon Raju, Andhra University, Visakhapatnam, India

Dr. Vijayasankar Raman, University of Mississippi, USA

Dr. B. Ravi Prasad Rao, Sri Krishnadevaraya University, Anantpur, India

Dr. K. Ravikumar, FRLHT, Bengaluru, Karnataka, India

Dr. Aparna Watve, Pune, Maharashtra, India

Dr. Qiang Liu, Xishuangbanna Tropical Botanical Garden, Yunnan, China

Dr. Noor Azhar Mohamed Shazili, Universiti Malaysia Terengganu, Kuala Terengganu, Malaysia

Dr. M.K. Vasudeva Rao, Shiv Ranjani Housing Society, Pune, Maharashtra, India

Prof. A.J. Solomon Raju, Andhra University, Visakhapatnam, India

Dr. Mandar Datar, Agharkar Research Institute, Pune, Maharashtra, India

Dr. M.K. Janarthanam, Goa University, Goa, India

Dr. K. Karthikeyan, Botanical Survey of India, India

Dr. Errol Vela, University of Montpellier, Montpellier, France

Dr. P. Lakshminarasimhan, Botanical Survey of India, Howrah, India

Dr. Larry R. Noblick, Montgomery Botanical Center, Miami, USA

Dr. K. Haridasan, Pallavur, Palakkad District, Kerala, India

Dr. Analinda Manila-Fajard, University of the Philippines Los Banos, Laguna, Philippines

Dr. P.A. Sinu, Central University of Kerala, Kasaragod, Kerala, India

Dr. Afroz Alam, Banasthali Vidyapith (accredited A grade by NAAC), Rajasthan, India

Dr. K.P. Rajesh, Zamorin's Guruvayurappan College, GA College PO, Kozhikode, Kerala, India

Dr. David E. Boufford, Harvard University Herbaria, Cambridge, MA 02138-2020, USA

Dr. Ritesh Kumar Choudhary, Agharkar Research Institute, Pune, Maharashtra, India

Dr. A.G. Pandurangan, Thiruvananthapuram, Kerala, India

Dr. Navendu Page, Wildlife Institute of India, Chandrabani, Dehradun, Uttarakhand, India

Dr. Kannan C.S. Warriar, Institute of Forest Genetics and Tree Breeding, Tamil Nadu, India

Invertebrates

Dr. R.K. Avasthi, Rohtak University, Haryana, India

Dr. D.B. Bastawade, Maharashtra, India

Dr. Partha Pratim Bhattacharjee, Tripura University, Suryamaninagar, India

Dr. Kailash Chandra, Zoological Survey of India, Jabalpur, Madhya Pradesh, India

Dr. Ansie Dippenaar-Schoeman, University of Pretoria, Queenswood, South Africa

Dr. Rory Dow, National Museum of Natural History Naturalis, The Netherlands

Dr. Brian Fisher, California Academy of Sciences, USA

Dr. Richard Gallon, Llandudno, North Wales, LL30 1UP

Dr. Hemant V. Ghate, Modern College, Pune, India

Dr. M. Monwar Hossain, Jahangirnagar University, Dhaka, Bangladesh

For Focus, Scope, Aims, and Policies, visit https://threatenedtaxa.org/index.php/JoTT/aims_scope
For Article Submission Guidelines, visit <https://threatenedtaxa.org/index.php/JoTT/about/submissions>
For Policies against Scientific Misconduct, visit https://threatenedtaxa.org/index.php/JoTT/policies_various

continued on the back inside cover

Cover: Parts of *Vachellia nilotica*, medium - watercolours. © P Kritika



Camera-trap record of the Indian Grey Wolf *Canis lupus pallipes* (Sykes, 1831) (Mammalia: Carnivora: Canidae) from Karlapat Wildlife Sanctuary, Odisha, India

Siddhanta Kumar Mohanta¹ & R. Kalaivanan²

^{1,2} Kalahandi South Division, Bhawanipatna, Kalahandi, Odisha 766001, India.

¹ siddhantakumar2332000@gmail.com (corresponding author), ² kv.dolphin@gmail.com

The Indian Grey Wolf *Canis lupus pallipes* (Sykes, 1831) is a medium-sized canid historically widespread across the Indian subcontinent. It is associated with arid and semi-arid open landscapes such as grasslands, scrublands, and sparsely vegetated plains (Jhala & Giles 1991; Jhala 2003; Boitani et al. 2020). However, wolves are also known to utilise heterogeneous and human-modified habitats when suitable prey and denning sites are available. In eastern India, the distribution and ecology of the species remain poorly documented, and existing records indicate the occurrence of small isolated populations (Shahi 1982; Palei et al. 2013, 2019). Therefore, documenting new occurrences is important for improving understanding of the species' distribution in eastern India.

A systematic camera-trap survey was conducted across Karlapat Wildlife Sanctuary between January and February 2026 using 82 paired camera-trap stations, with a total survey effort of 2,050 camera-trap days. Camera-trap locations were selected based on animal signs, existing trails and forest roads. Cameras operated continuously and remained active at each site for approximately 25 days. One paired camera-trap station was placed along a forest road in a Sal-dominated

area at an elevation of about 604 m above sea level and approximately 2.5 km from the nearest human habitation. Anthropogenic disturbances, including livestock movement and occasional human presence, were also recorded at the site during the survey. The Indian Grey Wolf was photographed at this station on 26 January 2026 at 0935 h, representing the first photographic evidence of the species from Karlapat Wildlife Sanctuary (Image 1 & 2).

Karlapat Wildlife Sanctuary covers 193.998 km² in the Kalahandi district of Odisha and is characterized by rugged, hilly terrain. There are 19 villages located inside the sanctuary, while 44 villages occur adjacent to its boundary (Palei et al. 2011). The sanctuary consists predominantly of Northern Tropical Dry Deciduous Forest, Dry Peninsular Sal Forest, and moist mixed deciduous forests interspersed with extensive bamboo patches (Champion & Seth 1968). This diverse habitat supports a variety of ungulate prey species, including Sambar *Rusa unicolor*, Barking Deer *Muntiacus muntjak*, and Wild Boar *Sus scrofa*, which are important prey species for sustaining large carnivores.

In Odisha, the Indian Grey Wolf has been recorded from Debrigarh Wildlife Sanctuary, Hadagarh Wildlife

Editor: Bhargavi Srinivasulu, Zoo Outreach Organisation, Hyderabad, India.

Date of publication: 26 July 2026 (online & print)

Citation: Mohanta, S.K. & R. Kalaivanan (2026). Camera-trap record of the Indian Grey Wolf *Canis lupus pallipes* (Sykes, 1831) (Mammalia: Carnivora: Canidae) from Karlapat Wildlife Sanctuary, Odisha, India. *Journal of Threatened Taxa* 18(7): 29354–29356. <https://doi.org/10.11609/jott.10569.18.7.29354-29356>

Copyright: © Mohanta & Kalaivanan 2026. Creative Commons Attribution 4.0 International License. JoTT allows unrestricted use, reproduction, and distribution of this article in any medium by providing adequate credit to the author(s) and the source of publication.

Funding: This study did not receive any specific funding from any funding agency.

Competing interests: The authors declare no competing interests.

Acknowledgements: We are thankful to the principal chief conservator of forest (Wildlife) and chief wildlife warden, Odisha and the divisional forest officer, Kalahandi South Division, Odisha for their support in carrying out the study. We are also very thankful to Karlapat sanctuary range staffs for their extended help during the fieldwork.

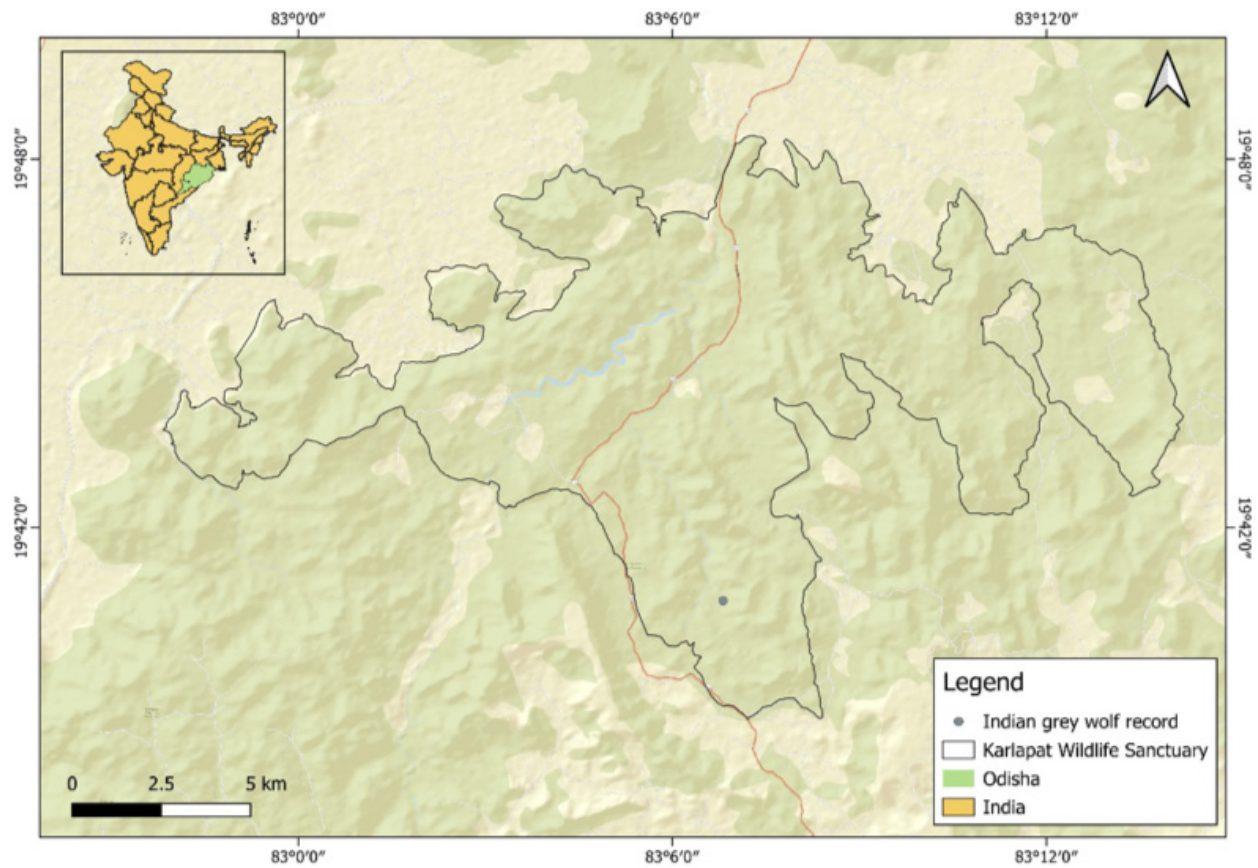


Image 1. Karlapat Wildlife Sanctuary shows the location of the camera trap station where the Indian Grey Wolf was photographed.



Image 2. Indian Grey Wolf recorded on 26 January 2026 in Karlapat Wildlife Sanctuary, Odisha, India

Sanctuary, Sunabeda Wildlife Sanctuary, and Similipal Tiger Reserve, Sundargarh Forest Division (Nair & Panda 2013; Palei et al. 2013, 2023b; Mishra & Bist 2019; Palei et al. 2019, 2020). More recent camera-trap records have also been documented from Badrama Wildlife Sanctuary (Palei et al. 2023a) and Keonjhar Forest Division (Dhanraj et al. 2025), indicating that the species occurs across several parts of the state, although its distribution appears to be fragmented.

The Indian Grey Wolf is listed as a Schedule-I species under the Indian Wildlife (Protection) Act (1972) and is classified as Vulnerable on IUCN Red List, with populations declining due to habitat loss, human disturbance, and other anthropogenic pressures (Hennelly et al. 2025). Continued monitoring and further ecological studies are necessary to better understand the distribution, habitat use, prey availability, connectivity, and potential human–wolf interactions of the species, thereby supporting evidence-based conservation planning and management strategies for the Indian Grey Wolf in eastern India.

References

- Boitani, L., M. Phillips & Y.V. Jhala (2020). *Canis lupus* (amended version of 2018 assessment). *The IUCN Red List of Threatened Species* 2023: e.T3746A247624660. <https://doi.org/10.2305/IUCN.UK.2023-1.RLTS.T3746A247624660.en>. Accessed on 27 June 2026.
- Champion, H.G. & Seth, S.K. (1968). *A Revised Survey of the Forest Types of India*. Government of India Press, New Delhi, 404 pp.
- Dhanraj, H.D., N.C. Palei, H.S. Palei & A.K. Mishra (2025). Photographic record of Indian Grey Wolf *Canis lupus pallipes* in Keonjhar Forest Division, Odisha, India. *Cheetal* 61(2): 47–52.
- Hennelly, L.M., S. Khan, S. Sadhukhan, G. Sarwar, S. Yellapu, S. Viranta, Y.V. Jhala & B. Habib (2025). *Canis lupus ssp. pallipes*. The IUCN Red List of Threatened Species 2025: e.T223987953A223987966. <https://doi.org/10.2305/IUCN.UK.2025-2.RLTS.T223987953A223987966.en>
- Jhala, Y.V. (2003). Status, ecology and conservation of the Indian wolf *Canis lupus pallipes* Sykes. *Journal of the Bombay Natural History Society* 100: 293–307.
- Jhala, Y.V. & R.H. Giles (1991). The status and conservation of the wolf in Gujarat and Rajasthan, India. *Conservation Biology* 5(4): 476–483. <https://doi.org/10.1111/j.1523-1739.1991.tb00354.x>
- Mishra, S.R. & H.K. Bist (2019). Distribution pattern of Grey Wolf in Similipal Tiger Reserve by camera trapping. *Journal of Zoological Research* 3(2): 12–14.
- Nair, M.V. & S.K. Panda (2013). Just Friends. *Sanctuary Asia* XXXIII (3): June 2013. <https://www.sanctuaryasia.com/magazines/features/9390-just-friends.html>
- Palei, H.S., P.P. Mahapatra, S.K. Dutta, L.A.K. Singh, H.K. Sahu & S.D. Rout (2011). Avifauna of Karlapat Wildlife Sanctuary, southern Odisha, India. *Indian Forester* 137(10): 1197–1203.
- Palei, H.S., S. Debata, P.P. Mohapatra & H.K. Sahu (2013). Livestock predation by endangered Indian Wolf (*Canis lupus*) in Hadagarh Wildlife Sanctuary, eastern India. *Indian Forester* 139(10): 895–898.
- Palei, N.C., B.P. Rath, H.S. Palei & A.K. Mishra (2019). Photographic evidences of Indian Grey Wolf (*Canis lupus pallipes*) in Sundargarh Forest Division, Odisha, India. *e-planet* 17(2): 152–156.
- Palei, N.C., B.P. Rath & K. Singh (2020). Mammalian diversity of Sunabeda Wildlife Sanctuary, Odisha, India: A camera trap perspective. *e-planet* 18(2): 145–157.
- Palei, N.C., Rath, B.P., Mallik, P.S., Acharya, S.N. & Sarangi, K. (2023a). First photographic record of Indian Grey Wolf *Canis lupus pallipes* from Badrama Wildlife Sanctuary, Odisha. *Indian Forester* 149(10): 1068–1072.
- Palei, N.C., B.P. Rath & S. Nayak (2023b). Mammalian diversity of Debrigarh Wildlife Sanctuary, Odisha, India. *Journal of Threatened Taxa* 15(4): 23005–23015. <https://doi.org/10.11609/jott.7337.15.4.23005-23015>
- Shahi, S.P. (1982). Status of the wolf in India. *Journal of the Bombay Natural History Society* 79(3): 493–502.

Mr. Jatishwor Singh Irungbam, Biology Centre CAS, Branišovská, Czech Republic.
Dr. Ian J. Kitching, Natural History Museum, Cromwell Road, UK
Dr. George Mathew, Kerala Forest Research Institute, Peechi, India
Dr. John Noyes, Natural History Museum, London, UK
Dr. Albert G. Orr, Griffith University, Nathan, Australia
Dr. Sameer Padhye, Katholieke Universiteit Leuven, Belgium
Dr. Nancy van der Poorten, Toronto, Canada
Dr. Kareen Schnabel, NIWA, Wellington, New Zealand
Dr. R.M. Sharma, (Retd.) Scientist, Zoological Survey of India, Pune, India
Dr. Manju Siliwal, WILD, Coimbatore, Tamil Nadu, India
Dr. G.P. Sinha, Botanical Survey of India, Allahabad, India
Dr. K.A. Subramanian, Zoological Survey of India, New Alipore, Kolkata, India
Dr. P.M. Sureshan, Zoological Survey of India, Kozhikode, Kerala, India
Dr. R. Varatharajan, Manipur University, Imphal, Manipur, India
Dr. Eduard Vives, Museu de Ciències Naturals de Barcelona, Terrassa, Spain
Dr. James Young, Hong Kong Lepidopterists' Society, Hong Kong
Dr. R. Sundararaj, Institute of Wood Science & Technology, Bengaluru, India
Dr. M. Nithyanandan, Environmental Department, La Ala Al Kuwait Real Estate. Co. K.S.C., Kuwait
Dr. Himender Bharti, Punjabi University, Punjab, India
Mr. Purnendu Roy, London, UK
Mr. Saito Motoki, The Butterfly Society of Japan, Tokyo, Japan
Dr. Sanjay Sondhi, TITLI TRUST, Kalpavriksh, Dehradun, India
Dr. Nguyen Thi Phuong Lien, Vietnam Academy of Science and Technology, Hanoi, Vietnam
Dr. Nitin Kulkarni, Tropical Research Institute, Jabalpur, India
Dr. Robin Wen Jiang Ngiam, National Parks Board, Singapore
Dr. Lionel Monod, Natural History Museum of Geneva, Genève, Switzerland.
Dr. Asheesh Shivam, Nehru Gram Bharti University, Allahabad, India
Dr. Rosana Moreira da Rocha, Universidade Federal do Paraná, Curitiba, Brasil
Dr. Kurt R. Arnold, North Dakota State University, Saxony, Germany
Dr. James M. Carpenter, American Museum of Natural History, New York, USA
Dr. David M. Claborn, Missouri State University, Springfield, USA
Dr. Kareen Schnabel, Marine Biologist, Wellington, New Zealand
Dr. Amazonas Chagas Júnior, Universidade Federal de Mato Grosso, Cuiabá, Brasil
Mr. Monsoon Jyoti Gogoi, Assam University, Silchar, Assam, India
Dr. Heo Chong Chin, Universiti Teknologi MARA (UiTM), Selangor, Malaysia
Dr. R.J. Shiel, University of Adelaide, SA 5005, Australia
Dr. Siddharth Kulkarni, The George Washington University, Washington, USA
Dr. Priyadarsanan Dharma Rajan, ATREE, Bengaluru, India
Dr. Phil Alderslade, CSIRO Marine And Atmospheric Research, Hobart, Australia
Dr. John E.N. Veron, Coral Reef Research, Townsville, Australia
Dr. Daniel Whitmore, State Museum of Natural History Stuttgart, Rosenstein, Germany.
Dr. Yu-Feng Hsu, National Taiwan Normal University, Taipei City, Taiwan
Dr. Keith V. Wolfe, Antioch, California, USA
Dr. Siddharth Kulkarni, The Hormiga Lab, The George Washington University, Washington, D.C., USA
Dr. Tomas Ditrich, Faculty of Education, University of South Bohemia in Ceske Budejovice, Czech Republic
Dr. Mihaly Foldvari, Natural History Museum, University of Oslo, Norway
Dr. V.P. Uniyal, Wildlife Institute of India, Dehradun, Uttarakhand 248001, India
Dr. John T.D. Caleb, Zoological Survey of India, Kolkata, West Bengal, India
Dr. Priyadarsanan Dharma Rajan, Ashoka Trust for Research in Ecology and the Environment (ATREE), Royal Enclave, Bangalore, Karnataka, India

Fishes

Dr. Topiltzin Contreras MacBeath, Universidad Autónoma del estado de Morelos, México
Dr. Heok Hee Ng, National University of Singapore, Science Drive, Singapore
Dr. Rajeev Raghavan, St. Albert's College, Kochi, Kerala, India
Dr. Robert D. Sluka, Chiltern Gateway Project, A Rocha UK, Southall, Middlesex, UK
Dr. E. Vivekanandan, Central Marine Fisheries Research Institute, Chennai, India
Dr. Davor Zanella, University of Zagreb, Zagreb, Croatia
Dr. A. Biju Kumar, University of Kerala, Thiruvananthapuram, Kerala, India
Dr. Akhilesh K.V., ICAR-Central Marine Fisheries Research Institute, Mumbai Research Centre, Mumbai, Maharashtra, India
Dr. J.A. Johnson, Wildlife Institute of India, Dehradun, Uttarakhand, India
Dr. R. Ravinesh, Gujarat Institute of Desert Ecology, Gujarat, India

Amphibians

Dr. Sushil K. Dutta, Indian Institute of Science, Bengaluru, Karnataka, India
Dr. Annemarie Ohler, Muséum national d'Histoire naturelle, Paris, France

Reptiles

Dr. Gernot Vogel, Heidelberg, Germany
Dr. Raju Vyas, Vadodara, Gujarat, India
Dr. Pritpal S. Soorae, Environment Agency, Abu Dhabi, UAE.
Prof. Dr. Wayne J. Fuller, Near East University, Mersin, Turkey
Prof. Chandrashekher U. Rivonker, Goa University, Taleigao Plateau, Goa. India
Dr. S.R. Ganesh, Kalinga Foundation, Agumbe, India.
Dr. Himansu Sekhar Das, Terrestrial & Marine Biodiversity, Abu Dhabi, UAE

Birds

Dr. Hem Sagar Baral, Charles Sturt University, NSW Australia
Mr. H. Byju, Coimbatore, Tamil Nadu, India
Dr. Chris Bowden, Royal Society for the Protection of Birds, Sandy, UK
Dr. Priya Davidar, Pondicherry University, Kalapet, Puducherry, India
Dr. J.W. Duckworth, IUCN SSC, Bath, UK
Dr. Rajah Jayapal, SAGON, Coimbatore, Tamil Nadu, India
Dr. Rajiv S. Kalsi, M.L.N. College, Yamuna Nagar, Haryana, India
Dr. V. Santharam, Rishi Valley Education Centre, Chittoor Dt., Andhra Pradesh, India
Dr. S. Balachandran, Bombay Natural History Society, Mumbai, India
Mr. J. Praveen, Bengaluru, India
Dr. C. Srinivasulu, Osmania University, Hyderabad, India
Dr. K.S. Gopi Sundar, International Crane Foundation, Baraboo, USA
Dr. Gombobaatar Sunde, Professor of Ornithology, Ulaanbaatar, Mongolia
Prof. Reuven Yosef, International Birding & Research Centre, Eilat, Israel
Dr. Taej Mundkur, Wetlands International, Wageningen, The Netherlands
Dr. Carol Inskipp, Bishop Auckland Co., Durham, UK
Dr. Tim Inskipp, Bishop Auckland Co., Durham, UK
Dr. V. Gokula, National College, Tiruchirappalli, Tamil Nadu, India
Dr. Arkady Lelej, Russian Academy of Sciences, Vladivostok, Russia
Dr. Simon Dowell, Science Director, Chester Zoo, UK
Dr. Mário Gabriel Santiago dos Santos, Universidade de Trás-os-Montes e Alto Douro, Quinta de Prados, Vila Real, Portugal
Dr. Grant Connette, Smithsonian Institution, Royal, VA, USA
Dr. P.A. Azeez, Coimbatore, Tamil Nadu, India

Mammals

Dr. Giovanni Amori, CNR - Institute of Ecosystem Studies, Rome, Italy
Dr. Anwaruddin Chowdhury, Guwahati, India
Dr. David Mallon, Zoological Society of London, UK
Dr. Shomita Mukherjee, SAGON, Coimbatore, Tamil Nadu, India
Dr. Angie Appel, Wild Cat Network, Germany
Dr. P.O. Nameer, Kerala Agricultural University, Thrissur, Kerala, India
Dr. Ian Redmond, UNEP Convention on Migratory Species, Lansdown, UK
Dr. Heidi S. Riddle, Riddle's Elephant and Wildlife Sanctuary, Arkansas, USA
Dr. Karin Schwartz, George Mason University, Fairfax, Virginia.
Dr. Lala A.K. Singh, Bhubaneswar, Orissa, India
Dr. Mewa Singh, Mysore University, Mysore, India
Dr. Paul Racey, University of Exeter, Devon, UK
Dr. Honnavalli N. Kumara, SAGON, Anaikatty P.O., Coimbatore, Tamil Nadu, India
Dr. Nishith Dharaiya, HNG University, Patan, Gujarat, India
Dr. Spartaco Gippoliti, Socio Onorario Società Italiana per la Storia della Fauna "Giuseppe Altobello", Rome, Italy
Dr. Justus Joshua, Green Future Foundation, Tiruchirappalli, Tamil Nadu, India
Dr. H. Raghuram, Sri S. Ramasamy Naidu Memorial College, Virudhunagar, Tamil Nadu, India
Dr. Paul Bates, Harison Institute, Kent, UK
Dr. Jim Sanderson, Small Wild Cat Conservation Foundation, Hartford, USA
Dr. Dan Challender, University of Kent, Canterbury, UK
Dr. David Mallon, Manchester Metropolitan University, Derbyshire, UK
Dr. Brian L. Cypher, California State University-Stanislaus, Bakersfield, CA
Dr. S.S. Talmale, Zoological Survey of India, Pune, Maharashtra, India
Prof. Karan Bahadur Shah, Budhanilakantha Municipality, Kathmandu, Nepal
Dr. Susan Cheyne, Borneo Nature Foundation International, Palangkaraja, Indonesia
Dr. Hemanta Kafley, Wildlife Sciences, Tarleton State University, Texas, USA

Other Disciplines

Dr. Aniruddha Belsare, Columbia MO 65203, USA (Veterinary)
Dr. Mandar S. Paingankar, University of Pune, Pune, Maharashtra, India (Molecular)
Dr. Jack Tordoff, Critical Ecosystem Partnership Fund, Arlington, USA (Communities)
Dr. Ulrike Streicher, University of Oregon, Eugene, USA (Veterinary)
Dr. Hari Balasubramanian, EcoAdvisors, Nova Scotia, Canada (Communities)
Dr. Rayanna Hellem Santos Bezerra, Universidade Federal de Sergipe, São Cristóvão, Brazil
Dr. Jamie R. Wood, Landcare Research, Canterbury, New Zealand
Dr. Wendy Collinson-Jonker, Endangered Wildlife Trust, Gauteng, South Africa
Dr. Rajeshkumar G. Jani, Anand Agricultural University, Anand, Gujarat, India
Dr. O.N. Tiwari, Senior Scientist, ICAR-Indian Agricultural Research Institute (IARI), New Delhi, India
Dr. L.D. Singla, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana, India
Dr. Rupika S. Rajakaruna, University of Peradeniya, Peradeniya, Sri Lanka
Dr. Bahar Baviskar, Wild-CER, Nagpur, Maharashtra 440013, India

Reviewers 2021–2023

Due to pausity of space, the list of reviewers for 2021–2023 is available online.

The opinions expressed by the authors do not reflect the views of the Journal of Threatened Taxa, Wildlife Information Liaison Development Society, Zoo Outreach Organization, or any of the partners. The journal, the publisher, the host, and the partners are not responsible for the accuracy of the political boundaries shown in the maps by the authors.

Print copies of the Journal are available at cost. Write to:
The Managing Editor, JoTT,
c/o Wildlife Information Liaison Development Society,
3A2 Varadarajulu Nagar, FCI Road, Ganapathy, Coimbatore,
Tamil Nadu 641006, India
ravi@threatenedtaxa.org & ravi@zooreach.org

Journal of Threatened Taxa is indexed/abstracted in Bibliography of Systematic Mycology, Biological Abstracts, BIOSIS Previews, CAB Abstracts, EBSCO, Google Scholar, Index Copernicus, Index Fungorum, JournalSeek, National Academy of Agricultural Sciences, NewJour, OCLC WorldCat, SCOPUS, Stanford University Libraries, Virtual Library of Biology, Zoological Records.

NAAS rating (India) 5.64



www.threatenedtaxa.org

OPEN ACCESS



The Journal of Threatened Taxa (JoTT) is dedicated to building evidence for conservation globally by publishing peer-reviewed articles online every month at a reasonably rapid rate at www.threatenedtaxa.org. All articles published in JoTT are registered under [Creative Commons Attribution 4.0 International License](https://creativecommons.org/licenses/by/4.0/) unless otherwise mentioned. JoTT allows unrestricted use, reproduction, and distribution of articles in any medium by providing adequate credit to the author(s) and the source of publication.

ISSN 0974-7907 (Online) | ISSN 0974-7893 (Print)

July 2026 | Vol. 18 | No. 7 | Pages: 29159–29374

Date of Publication: 26 July 2026 (Online & Print)

DOI: 10.11609/jott.2026.18.7.29159-29374

Articles

The need for rigorous peer-review of Environmental Impact Assessments: a case from the Western Ghats, India

– Malaika Mathew Chawla, Sinead D'Silva, Madhushri Mudke, Anushka Rege, Nisha Bhakat, Nandini Velho, Vidyadhar Atkore, R. Sahanashree, Jerusha D'Souza, Aparna Kolekar, Anuja Date, Anish Paul, Aayush Gupta, Karthik Teegalapalli, Giridhar Kulkarni, Pronoy Baidya, Ajinkya Bagal, Katrina Fernandez, Omkar Dharwadkar & Parag Rangnekar, Pp. 29159–29180

Regional, ecological and biodiversity context of the Kashmir Valley, northwestern Himalaya, India

– Mohsin Javid, Khurshed Ahmad, Orus Ilyas, Junid N. Shah & Affiullah Khan, Pp. 29181–29195

Metabarcoding-based diet characterization of the Kolar Roundleaf Bat *Hipposideros hypophyllus* Kock & Bhat, 1994 (Chiroptera: Hipposideridae) and its peninsular Indian congeners

– Bhargavi Srinivasulu, Aditya Srinivasulu & Chelmala Srinivasulu, Pp. 29196–29211

A decadal study on the waterbirds and an analysis of the declining species in Perur-Sundakamuthur Lake, Coimbatore, Tamil Nadu, India

– G. Parameswaran, R. Sivashankar & R. Vridhi, Pp. 29212–29225

Diversity and habitat associations of avifauna in the Poovar Estuary, Kerala, India

– B.S. Bipitha, V. Reshmi, H. Maitreyi & H. Byju, Pp. 29226–29237

Abyssinian Blue-winged Goose *Cyanochen cyanoptera* Rüppell, 1845 population size, distribution, and habitat association in the central-south highlands of Ethiopia

– Solomon Mengistu & Afework Bekele, Pp. 29238–29250

Foraging postures and techniques used by the White-bellied Heron *Ardea insignis* Hume, 1878 (Aves: Pelecaniformes: Ardeidae) in Namdapha Tiger Reserve, India

– Himadri Sekhar Mondal & Gopinathan Maheswaran, Pp. 29251–29260

Breeding ecology and nest-site characteristics of the Black-necked Stork *Ephippiorhynchus asiaticus* in Khijadiya Bird Sanctuary, a Ramsar Wetland of Gujarat, India

– Sandeep Munjpara, Divyrajsinh Jadeja, Nita Solanki, Amitkumar Nayak & B.P. Pati, Pp. 29261–29268

An updated checklist and new records of butterfly species in Kedarnath Musk Deer Sanctuary (western Himalaya), Uttarakhand, India

– Anand Kumar, Priyanshu Kumar, Gourav Lochan, Prachi Arya & Rajeev Lochan, Pp. 29269–29286

Abundance, habitat preference, and ethnobiological assessment of the invasive Golden Apple Snail *Pomacea canaliculata* (Lamarck, 1822) in selected rice fields in Lanao del Sur, Philippines

– Ashiah M. Dimalutang, Mohammad Al-Thanie U. Paudac, Jonald C. Bornaes, Rosabeth M. Macapil, Mayleen P. Malagamba & Naima R. Sirad, Pp. 29287–29301

An annotated checklist of bryophytes of Rajouri District, Jammu & Kashmir, India

– Manju Sharma, Nazia Kouser, P.L. Uniyal & Shreekar Pant, Pp. 29302–29313

Communications

First successful post-release breeding of captive-bred White-rumped Vultures *Gyps bengalensis* (Accipitriformes: Accipitridae) in the wild at Buxa Tiger Reserve, India

– Soumya Sundar Chakraborty, Debal Ray, Apurba Sen, P.J. Harikrishnan & Nabi Kanta Jha, Pp. 29314–29321

A checklist of the avifauna of the Noakhali Science and Technology University campus, Noakhali, Bangladesh

– Ashikur Rahman Jibon, Tanzina Alam & M. Rakibur Rahman, Pp. 29322–29330

Record of the crambid moth *Aethaloessa calidalis* (Guenée, 1854) (Lepidoptera: Crambidae: Spilomelinae) from Chhattisgarh, India

– Akanksha Chandrakar & Shashi Gupta, Pp. 29331–29335

Short Communications

First photographic record of the Northern Swamp Deer *Rucervus duvaucelii* *duvaucelii* in Upper Ganga River Ramsar Site, India

– Aftab Alam Usmani, Pichaimuthu Gangaamaran, Ruchi Badola & Syed Ainul Hussain, Pp. 29336–29339

First image-based evidence of Wroughton's Free-tailed Bat *Otomops wroughtoni* (Thomas, 1913) (Chiroptera: Molossidae) from the Yamuna Floodplain, New Delhi, India

– Umendra Sirohi, Mohan Singh, M. Faisal, Ekta Khurana, Sumit Dookia & Faiyaz A. Khudsar, Pp. 29340–29344

New distribution record of *Hydrocotyle bonariensis* Lam. (Magnoliopsida: Apiales: Araliaceae) from India

– Balasiewdor Kharsyntiew, H.T. Lalmuankima, Vijay, Poonam Sharma & Rambir Singh, Pp. 29345–29349

Recorded and lost: *Methles indicus* Régimbart, 1899 (Coleoptera: Dytiscidae) a new distribution record from the state of Telangana: a case study on habitat loss due to urban encroachment

– Shiva Shankar, Deepa Jaiswal & Devadoss Kumar, Pp. 29350–29353

Notes

Camera-trap record of the Indian Grey Wolf *Canis lupus pallipes* (Sykes, 1831) (Mammalia: Carnivora: Canidae) from Karlapat Wildlife Sanctuary, Odisha, India

– Siddhanta Kumar Mohanta & R. Kalaivanan, Pp. 29354–29356

Decline in winter visiting Common Kestrel *Falco tinnunculus* (Falconiformes: Falconidae) at Rani, Assam 2011–2024

– Sachin Ranade, Pp. 29357–29359

Coprophagy in Egyptian Vulture *Neophron percnopterus* (Accipitriformes: Accipitridae) at Jorbeer carcass dump, Rajasthan

– Sachin Ranade & Hemant Bajpai, Pp. 29360–29363

New record of cob-web spider species *Steatoda albomaculata* (De Geer, 1778) (Araneae: Theridiidae) from Kachchh, India with detailed distribution of Indian species of *Steatoda* Sundevall, 1833

– Subhash I. Parmar, Vivek U. Chauhan, Ketankumar Yogi & Pranav J. Pandya, Pp. 29364–29366

Predation record of the hornet *Vespa basalis* Smith, 1852 (Hymenoptera: Vespidae) by the orb-weaver spider *Nephila pilipes* (Fabricius, 1793) (Araneae: Araneidae)

– Shantam Ojha & Gautam, Pp. 29367–29369

Notes on the occurrence of southeastern Asian taxon *Scopellaria marginata* (Blume) W.J.de Wilde & Duyfjes (Cucurbitaceae) in the Nicobar Islands: a new distribution record in the Indian part of Sundaland

– K. Pradheep, K. Joseph John, I. Jaisankar & P.K. Singh, Pp. 29370–29374

Publisher & Host



Threatened Taxa