

Building evidence for conservation globally

Journal of Threatened Taxa



Open Access



10.11609/jott.2026.18.8.29375-29558
www.threatenedtaxa.org

26 August 2026 (Online & Print)
18(8): 29375-29558
ISSN 0974-7907 (Online)
ISSN 0974-7893 (Print)



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: *Minervarya cepfi* & *Nyctibatrachus petraeus*—mix media. © P Kritika



RESULTS AND DISCUSSION

While conducting a bird survey in Shivaji University, Kolhapur campus during 2020–2021, Shikra, has successfully reared young in two consecutive breeding seasons in a row by building a nest on the *G. sepium* tree. However, the last chick of the second generation died before it could fully grow up due to the falling of the nest.

During the last week of February 2020, a male and a female Shikra gathered small twigs and tree bark pieces to construct a nest on the *G. sepium* tree. They selected a specific place in the *G. sepium*, situated approximately 8 m above the ground, where three long branches diverged. From the second to the third week of March, both the male and the female took turns sitting in the nest to incubate the eggs (Image 1A). However, the female played a primary big role in the incubation process; as

the female remained continuously seated in the nest throughout the incubation period, the male was observed at the nest occasionally. In the third week of April, a pure white chick was seen peeking out from the nest, and the very next day, a second white chick appeared inside. Both chicks were nurtured by the parents, who fed them in the mornings with prey they had hunted and brought back to the nest (Images 1B,C). For hunting, either the male or the female goes out, while the other partner remains perched on a different tree located approximately 8–9 m away from the nest to keep a watchful eye on the chicks. Meanwhile, the nestlings were peeking out of the nest while observing their surroundings. As the chicks grew older, they began venturing out of the nest to stand on its edge; however, at the slightest sign of danger, they would retreat into the nest to hide and find out the situation



Image 1. Nesting and breeding of Shikra *Accipiter badius* on *Gliricidia sepium* (first generation): A—The male (left, note the red iris) and female (right, note the golden yellow iris) incubating the eggs in the nest | B—Female caring for the first-generation nestlings | C—Female Shikra feeding her nestling | D—The early-stage fledgling moves near the nest. © Sunil Gaikwad.

outside. After 12–15 days, the nestlings transformed into ‘fledglings’ (turning creamy grey and brown) (Image 1D), and typically after 15–20 days, these young birds began to fly. The period from the commencement of nest construction to the first observed flights of the young was approximately 50 days.

Once again, during the second week of April in the second year (2021), the female was observed sitting in the same nest. This indicated that the female had laid eggs in the nest for a second time and that the incubation process was underway. Since the nest was already constructed, there was no need to gather the material typically required for building it. Subsequently, in the last week of April, three chicks were spotted peeking out of the nest (Image 2A), implying that the female had laid at least three eggs on this occasion. However, the three chicks differed noticeably in body size (Image 2B). Consequently, the chicks varied in size, being large, medium, and small. Among these chicks, one was noticeably smaller in size compared to the other two. Just as in the previous year, the tasks of hunting for the chicks, feeding them, and protecting them resumed. After 15–20 days, the two larger fledglings began to fly and started hunting the garden lizard (Image 2C). However, the smallest chick, which was somewhat frail, had not yet left the nest; consequently, its parents continued to hunt for it and feed it. Meanwhile (during the second week of May), heavy rain and a storm struck, causing a portion of the nest to fall from the tree. Following this event, the small fledgling was nowhere to be seen in the vicinity; however, five days later, it was found lying dead beneath the very same tree (Image 2D). Most of its body had been consumed by some animal, leaving behind nothing but feathers. During this study, it was not possible to directly observe the female laying eggs; furthermore, due to the difficulty in accessing the nest, the eggs inside could not be directly examined. Therefore, in this study, the total number of eggs (clutch size) has been merely estimated based on the number of chicks found in the nest.

Biddulph (1937) reported that the pair of Indian Shikra nested on the Banyan tree, and the same pair chose another tree for nesting in the second year. In the third year, the same pair built the nest again on the same Banyan tree on which the nest was built in the first year, but by choosing a different branch. Lamba (1964) reported Shikra's breeding season, clutch size, incubation, young in the nest, etc. According to him, the Shikras are very selective about the breeding locality as well as the nesting site. They prefer a well-screened shady tree with three or more-pronged forks to build a nest, and April and May are the breeding season in Pune, Maharashtra, which is only

240 km away from Kolhapur. He also reports that Shikra has a normal clutch with 3–4 eggs and an incubation period of 18 days. According to Idrisovich & Jumanov (2023), usually, the Shikra builds a nest in a tall tree in the last week of April and the first week of May, and the female incubates the eggs alone, while the male guards the nest and feeds the female. In India, the breeding season of Shikra occurs from March to June, and both sexes contribute to building the nest in which typically lay a clutch of 3–4 eggs (Birda species guide 2024). The observations in the present study are almost consistent with the above workers, as the recorded breeding season of the Shikra is February and April, and the number of eggs they lay was two in the first year and three in the second year. It was observed that both the male and female participate in the nest building, as mentioned by Suryavanshi (2021).

Shikra is known to feed on a variety of insects, lizards, small birds and mammals (Muni & Hegde 1998; Suryavanshi 2021). Upadhyay et al. (2023) observed three chicks in a nest built by a Shikra on an *Eucalyptus* tree in May and reported that both the male and female were involved in feeding them by hunting *Calotes versicolor* and other small animals. This means that the period of their nest building is almost the same as the period of nests built in our area. The males and females we studied also hunt and bring food to the chicks, feed them and raise them. Similarly, it was observed that the fledglings of Shikra started hunting the Garden lizard *Calotes versicolor* when they left the nest and started to fly. According to Gangalmale et al. (2026), small animals such as scorpions, lizards, and trapdoor spiders were not found in the area where the *Gliricidia* plantation was present. Lamba (1964) reported that Shikra chicks die due to two reasons, namely, starvation, accidents, diseases and natural calamities. Similarly, it was found that one of the three chicks fell out of the nest and died due to heavy storms and rain.

Looking at the information and criteria of the trees selected for nest construction mentioned above, *Gliricidia* selected by Shikra during the present study does not fit anywhere except for the presence of three or more pronged forks for nest building.

CONCLUSION

The Shikra *A. badius* likely selects the *G. sepium* tree for nesting and breeding purposes primarily due to the unavailability of large native trees. Due to rampant deforestation and the removal of native trees, birds that nest in tall trees may face increasing difficulties in finding suitable nesting sites (Byju et al. 2023). The non-native *G. sepium* tree is unsuitable for nesting by carnivorous birds



Image 2. Breeding of the second generation in the same nest and tree *Gliricidia sepium*: A—Note three nestlings move around in the nest | B—The growth difference among fledglings | C— Fledgling hunts a garden lizard | D— Remains of the youngest fledgling after falling and dying in a storm. © Sunil Gaikwad.

like the Shikra, as nests built upon it tend to collapse even in the face of minor natural disturbances. Furthermore, since prey is scarce in areas dominated by *G. sepium* plantations, these birds are forced to travel long distances in search of food.

REFERENCES

- Ali, S. & S.D. Ripley (1978). Handbook of the Birds of India and Pakistan, 2nd edition, Vol 1. Oxford University Press, London, 382 pp.
- Ali, S. (2002). The Book of Indian Birds. 13th edition. Bombay Natural History Society, Oxford University Press, 326 pp.
- Idrisovich, Y.A. & M.A. Jumanov (2023). Material on the ecology of Shikra (*Accipiter badius*) in the lower stretches of the Amudarya. European Sciences Review 1: 9–12.
- Batish, D.R. et al. (2007). Allelopathic Tree-Crop Interactions under Agroforestry Systems. In Ecological Basis of Agroforestry. CRC Press, 400 pp.
- Biddulph, C.H. (1937). Number of eggs laid by the Indian Shikra [*Astur badius dussumieri* (Temm. & Lang.)]. Journal of Bombay Natural History Society 39(2): 406.
- Birda species guide (2024). Shikra (*Accipiter badius*) identification and ecology. <https://app.birda.org/species-guide/45747/Shikra>.
- Downloaded on 26.ii.2026.
- Byju, H. et al. (2023). Powerline pylons: an unusual nesting success of White-bellied Sea-Eagle *Haliaeetus leucogaster* (Gmelin, 1788) (Aves: Accipitriformes: Accipitridae) from Ramanathapuram, southeastern coast of India. Journal of Threatened Taxa 15(7): 23610–23614. <https://doi.org/10.11609/jott.8460.15.7.23610-23614>
- Gangalmale, S. et al. (2026). A new species of the trapdoor spider genus *Titanidiops* Simon (Araneae: Idiopidae) from western Maharashtra, India. Journal of Natural History, 60(5–8): 399–419. <https://doi.org/10.1080/00222933.2025.2603654>
- Grewal, B. et al. (2016). A Pictorial Field Guide to Birds of India, Pakistan, Nepal, Bhutan, Sri Lanka and Bangladesh. Om Books International, Delhi, 792 pp.
- Lamba, B.S. (1964). Nidification of some common Indian Birds. No.8. The Shikra, *Accipiter badius* (Gmelin). Records of the Zoological Survey of India 62(1–2): 11–20.
- Muni, M. & V. Hegde (1998). Indian Shikra preying on Short-nosed Fruit Bats. Journal of Bombay Natural History Society 2: 338–339.
- Suryavanshi, K. (2021). Nesting behaviour and diet of the Shikra *Accipiter badius* in Ajanta, Maharashtra. Indian Birds 17(2): 50–53.
- Upadhyay, K. et al. (2023). Observation of a Leucistic female Shikra *Accipiter bandius* at a nest near Pavagadh Hill, Gujarat. Flamingo Gujarat - Bulletin of Gujarat Birds 6(2): 54–60.
- Yadav, S.R. & M.M. Sardesai (2002). Flora of Kolhapur district. Shivaji University, Kolhapur, 679 pp.

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. Chandrashekhar 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



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)

August 2026 | Vol. 18 | No. 8 | Pages: 29375–29558

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

DOI: 10.11609/jott.2026.18.8.29375-29558

www.threatenedtaxa.org

Articles

Bat assemblages at two contrasting agricultural sites in northern Algeria: a preliminary conservation assessment

– Saida Meghezzi, Fatima Zohra Bissad, Farid Bounaceur, Afaf Boukhari, Moncef Ait-Abdesselam & Leila Benfekih, Pp. 29375–29389

Linear power infrastructure and vulture electrocution risk: mitigation through carcass dump relocation in Sudhauwala, Dehradun, India

– Javed Anver, Yash Vardhan Singh Sengar, Bikash Ghimire, Vonchano Ngullie, Hemam Rama Nanda, Tashi P. Dorji, Ankit Sharma, Akshay Jain, Sas Biswas, Arun Kumar & M. Muzahed, Pp. 29390–29400

Avifaunal diversity of the central Western Ghats in Uttara Kannada, Karnataka, India

– Rounak Patra, Nonita Rana, S.J.D. Frank & Govindan Veeraswami Gopi, Pp. 29401–29417

A study on the avifaunal diversity and community dynamics of Karanji Lake, Mysuru, Karnataka, India

– S. Sushanth & K.S. Raghunandan, Pp. 29418–29429

A preliminary checklist and seasonal diversity of wetland-associated birds in Bajali District, Assam, India

– Bidyut Kumar Das, Pp. 29430–29446

Fish diversity and conservation status across habitat guilds in the river Rupnarayan, West Bengal, India

– Mridul Kanti Kar, Mohd Shahnawaz Khan, Anamitra Anurag Danda & Kripal Datt Joshi, Pp. 29447–29458

Community structure and environmental determinants of amphibians in the Western Ghats watersheds of eastern Goa, India

– Mayur M. Gawas, Sharan S. Sawal & Nitin S. Sawant, Pp. 29459–29469

Microhabitat associations and seasonal dynamics of amphibians in the lateritic rocky outcrops along the western coast of Goa, India

– Dipak Yashawant Bowalkar & Nitin Savlo Sawant, Pp. 29470–29482

Distribution, population status, associations, and biotic challenges of *Sanjappa cynometroides*, an endemic legume tree (Leguminosae: Caesalpinoideae) in the southern Western Ghats, Kerala, India

– Suresh Gopika & Moothedathu Venugopalan Nair Krishnaraj, Pp. 29483–29492

Lichen diversity of Churdhar Wildlife Sanctuary and adjacent areas of Himachal Pradesh, India

– Anupma Devi, Gaurav K. Mishra & Manjoosha Srivastava, Pp. 29493–29506

Communications

New record of the Malayan Porcupine (Rodentia: Hystricidae: *Hystrix brachyura* Linnaeus, 1758) in Tripura, India

– Omkar Patil, Ashutosh Joshi & Rutuja Digaskar, Pp. 29507–29514

Fishermen-led documentation of bycatch of sea snakes (Serpentes: Elapidae: Hydrophiinae) on the Malabar coast of southwestern India

– R. Sree Vishnu & S.R. Ganesh, Pp. 29515–29520

Checklist of the plants of Radhabai Kale Mahila Mahavidyalaya Campus, Ahilyanagar, Maharashtra, India

– Manjushree Gokul Bhagwat & Sharad Suresh Kambale, Pp. 29521–29531

Review

Exploring the agarwood trade in India and its promising horizon

– H.V. Girisha, Ajay Maletha, S.P. Goyal, Miatcha Tangjang, Avishek Bhattacharjee, Sayan Chakraborty, M.R. Ranjith Layola, Sudipta Sardar, Shabnam Bandyopadhyay, Bidisha Mallick, Oindrila Chakraborty, Sanchayita Sengupta, Tanay Shil, Sayak Chakraborty, Ranjan Shaw & Farheen Banu, Pp. 29532–29543

Short Communications

Nesting of Shikra *Accipiter badius* on *Gliricidia sepium* (Jacq.) Kunth (Leguminosae)

– Sunil M. Gaikwad & Manoj M. Lekhak, Pp. 29544–29547

New addition to the Odonata fauna of India: *Gynacantha basiguttata* Selys, 1882 (Odonata: Aeshnidae) from Arunachal Pradesh – a rectification

– R. Mahesh, Rajesh Gopinath, Dattaprasad Sawant, Gaurav Joshi & Roshan Upadhaya, Pp. 29548–29551

Notes

Breeding tern colonies in Valinokkam Lagoon, Tamil Nadu, India: additional records from the Gulf of Mannar region

– H. Maitreyi, H. Byju, N. Raveendran & S. Ravichandran, Pp. 29552–29554

Addition of *Athyrium rhachidosorum* (Hand.-Mazz.) Ching, 1934 (Polypodiales: Woodsiaceae) to the pteridophyte diversity of India

– Chhandam Chanda & Christopher Roy Fraser-Jenkins, Pp. 29555–29558

Publisher & Host



Threatened Taxa