

Building evidence for conservation globally

Journal of Threatened Taxa

40
zooreach
Zoo Outreach Organisation
Years



10.11609/jott.2025.17.7.27171-27322
www.threatenedtaxa.org

26 July 2025 (Online & Print)
17(7): 27171-27322
ISSN 0974-7907 (Online)
ISSN 0974-7893 (Print)



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. Usha Madgunki, Zooreach, Coimbatore, India

Ms. Trisa Bhattacharjee, Zooreach. Coimbatore, India

Ms. Paloma Noronha, Daman & Diu, 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, Kuvenpu University, Shimoga, Karnataka, India

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

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

Dr. Kiran Ramchandra Ranadive, Annaheb 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. Ferdinand 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, Anantapur, 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 Ranjan Housing Society, Pune, Maharashtra, India

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

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

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

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

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

Dr. P. Lakshminarasiham, 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. Siru, 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. Warrier, 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_scopeFor 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: A Southern Rockhopper Penguin *Eudyptes chrysocome* stands on Tussock Grass on Westpoint Island. Painted in poster colors, this artwork is a reproduction of a photograph by Phillip Colla. Thanks to the photographer for the original image. © Pooja Patil.



Small Wild Cats Special Series

First photographic evidence of Marbled Cat *Pardofelis marmorata* (Martin, 1836) (Mammalia: Carnivora: Felidae) in Kakoi Reserve Forest, Assam, India

Hiranmoy Chetia¹ , Abhijit Konwar²  & Anshuman Gogoi³ 

¹ Amity Institute of Forestry and Wildlife, Amity University, Noida, Uttar Pradesh 201313, India.

² School of Natural Sciences and Engineering, National Institute of Advanced Studies, Indian Institute of Science Campus, Bengaluru, Karnataka 560012, India.

³ Wildlife Institute of India, Post Box #18, Chandrabani, Dehradun, Uttarakhand 248001, India.

¹ hiranmoychetia@gmail.com (corresponding author), ² konwar13abhi@gmail.com, ³ anshuwildlife@gmail.com

Abstract: We report the first photographic records of the Marbled Cat *Pardofelis marmorata* in Kakoi Reserve Forest in Assam, India, obtained during a camera trap survey in July 2024. These records document its presence within its known range in northeastern India and highlight the importance of protecting little-disturbed forests. We recommend further research in the surrounding area to assess the population size and habitat requirements of the Marbled Cat in this part of its range, and the threats it faces in this region.

Keywords: Camera trap, canopy cover, conservation, habitat, Lakhimpur Forest Range, population size, semi-evergreen forest, semi-structured interviews, small wild cat, survey.

Assamese: ভাৰতৰ অসম বাজাৰ কাঁকে সংৰক্ষিত বনাঞ্চলত ২০২৪ চনৰ জুলাই মাহত এক কেমেৰা ট্ৰেপৰ জৰীপত আমি পোন-প্ৰথমবাৰৰ বাবে সেই অঞ্চলত মাৰ্বলেড কেটৰ *Pardofelis marmorata* ফটো সংগ্ৰহ কৰিবলৈ সকলৈ হোৱা। এই ফটো সম্বলিত তথ্যৰ ভাৰততে উত্ত-পূৰ্ব ভাৰতত প্ৰাণীবিধিৰ ভাজত পৰিসৰৰ ভিতৰত অঞ্চলটোত ইয়াৰ অৱস্থিতি নিৰ্ধাৰণ হয় আৰু কাঁকেৰ দৱে সক-সক বনাঞ্চলসমূহৰ সংৰক্ষণৰ প্ৰয়োজনীয়তাৰ শুক্ৰতৰ বিষয়ে সূচায়। এই অধ্যয়নৰ জৰিয়ত আমি কাঁকে বনাঞ্চল আৰু ইয়াৰ দাঁতিকাৰীয়া অঞ্চলসমূহত মাৰ্বলেড কেটৰ সংখ্যা, প্ৰাণীবিধিৰ বাবে প্ৰয়োজনীয় বাসস্থানৰ বৈশিষ্ট্য তথ্যা ই সন্মুখীন হোৱা ভাৰুকি সংকলনত আধিক গৱেষণাৰ মত পোষণ কৰোঁ।

The Marbled Cat *Pardofelis marmorata* (Martin, 1836) is distributed in the Indo-Malayan region from the Himalayan foothills in eastern Nepal (Lama et al. 2019) to southwestern China, continental southeastern Asia, and the islands of Sumatra and Borneo (Ross et al. 2016). It is classified as 'Near Threatened' on the IUCN Red List and is listed in CITES Appendix I (Ross et al. 2016). It is predominantly associated with large moist and mixed deciduous, and evergreen forest tracts that exhibit a high canopy connectivity, and a forest cover of at least 48.6% (Hendry et al. 2023). In Borneo, it has also been recorded in selectively logged forests (Mohamed et al. 2009; Wearn et al. 2013; Hearn et al. 2016).

In India, the Marbled Cat is afforded the highest protection level under Schedule I of the Wildlife Protection Act (1972) (Ministry of Law and Justice 2022). It has been recorded in evergreen, semi-evergreen, and bamboo mixed forests in the eastern Himalayan foothills

Editor: Angie Appel, Wild Cat Network, Germany..

Date of publication: 26 July 2025 (online & print)

Citation: Chetia, H., A. Konwar & A. Gogoi (2025). First photographic evidence of Marbled Cat *Pardofelis marmorata* (Martin, 1836) (Mammalia: Carnivora: Felidae) in Kakoi Reserve Forest, Assam, India. *Journal of Threatened Taxa* 17(7): 27283–27287. <https://doi.org/10.11609/jott.9652.17.7.27283-27287>

Copyright: © Chetia et al. 2025. 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 research did not receive any specific funding. However, the camera traps used in the field survey were made available through Abhijit Konwar's PhD research, supported by the DST INSPIRE Fellowship Programme, Government of India.

Competing interests: The authors declare no competing interests.

Acknowledgements: We are thankful to the Divisional Forest Office, Lakhimpur Division for support to carry out the study. We are grateful to Mintu Borah, Harshajyoti Gogoi, Darpon Boruah, Rajshekhar Hazarika, Atikur Rahman, Nayan Moni Das, Hirak Jyoti Konwar, Deepjyoti Deka, Jiten Saura, and Pritom Rongphar for accompanying us during our surveys. We also acknowledge the DST INSPIRE Fellowship Programme, Government of India, for supporting the doctoral research of one of the authors, which enabled the use of camera traps for this study.

of northern West Bengal, and of the states of Assam, Arunachal Pradesh, Nagaland, Meghalaya, and Mizoram (Choudhury 1996; Lyngdoh et al. 2011; Sethy et al. 2017; Chatterjee et al. 2019; Joshi et al. 2019; Mukherjee et al. 2019; Bal et al. 2022). A camera trap record at 2,690 m in Eaglenest Wildlife Sanctuary represents the upper elevation limit of the Marbled Cat known in India to date (Mukherjee et al. 2016). Camera trap records of the Marbled Cat in Assam are limited to lower elevations in Manas and Nameri Tiger Reserves (Jhala et al. 2020).

Here, we present camera trap records of the Marbled Cat in Kakoi Reserve Forest, Assam. These records provide further evidence for its occurrence in Assam, highlighting the value of systematic camera trapping in small and under-surveyed reserve forests.

Study Area

Lakhimpur District in northeastern Assam shares a common boundary with the Brahmaputra River and Majuli District in the south, Dhemaji District in the east, and Sonitpur District in the west. It covers approximately 2,277 km², and has nearly 196.5 km² forested area (Chetia et al. 2025).

Kakoi Reserve Forest spreads over 49.8 km² to the north-west of Lakhimpur District, bordering Arunachal Pradesh to the north (Figure 1) (Saikia & Saikia 2020). In the south-west, it is bounded by Boginadi River and in the north-east by Ranganadi River (Chetia et al. 2024). It was declared in 1919 (Saikia & Saikia 2020) and is under the jurisdiction of the Lakhimpur Forest Range today (Chetia et al. 2024). In 2017, it had a forest cover of 45.5 km², equivalent to 91.4% of the reserve's total size (Saikia & Saikia 2020).

The region's habitat consists of semi-evergreen and moist deciduous forests with some wetlands. Key tree species include *Mesua ferrea*, *Bombax ceiba*, *Shorea robusta*, *Dillenia indica*, *Kayea assamica* endemic to Lakhimpur, and various bamboo species (Chetia et al. 2025).

Kakoi Reserve Forest experiences a tropical climate characterized by substantial rainfall and a short dry period (Chetia et al. 2025). The average annual rainfall is approximately 3,200 mm (Fick & Hijmans 2017). Rainfall is generally lower during January–March than during April–July (Chetia et al. 2025). Rainfall occurs on about 125 days annually, with July being the wettest

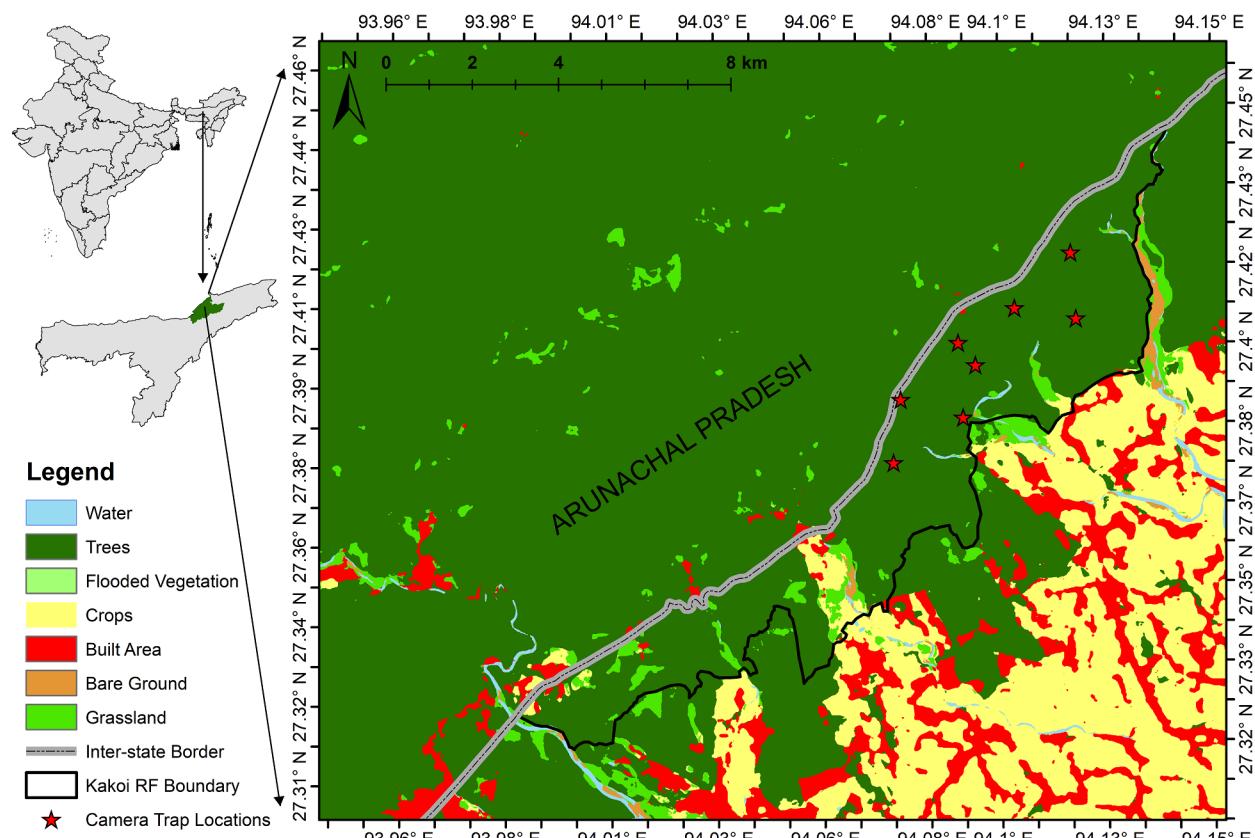


Figure 1. Location and land cover of Kakoi Reserve Forest, Assam, India.

month (Directorate of Economics and Statistics Assam 2014). The average annual temperature is 23.8°C, with seasonal variation from 10°C in winter to 35°C in summer (Buragohain et al. 2023). Relative humidity ranges 74–89 %, with an average of 81% (Buragohain et al. 2023).

MATERIAL AND METHODS

As part of an ongoing biodiversity monitoring project in Kakoi Reserve Forest, eight passive infrared Browning Strike Force Pro DCL camera traps were deployed to document small mammalian fauna over a 28-day period from 10 July to 6 August 2024. The camera traps were placed opportunistically along animal trails and natural paths approximately 30–50 cm above ground level, depending on the slope, without bait.

Locations were selected based on indirect signs of animal presence, such as tracks, and scat. The camera traps were configured for high sensitivity, with a delay of one second between photographs. They were spaced 1.5–2 km apart and remained active for 24 hours a day throughout the survey period, totalling 224 camera trap days. Each camera location was geo-referenced using a handheld Garmin GPS etrex10 GPS device set to WGS 84 geodetic datum.

Semi-structured interviews were conducted with 18 local people residing near Kakoi Reserve Forest. The respondents are primarily farmers and herders who

frequently use the forest for grazing their livestock, firewood collection, and other subsistence activities. They were shown a field guide image of the Marbled Cat displayed in Menon (2014) and asked whether, when, and where they had sighted a similar animal. This method aimed to assess local awareness of the species' presence in the area.

RESULTS

Two photographs of the Marbled Cat were recorded in two camera trap locations (Images 1 and 2) on different days within the reserve forest. The first photograph was taken at 18:34 h on 13 July 2024 at an elevation of 160 m at the coordinates 27.384° N, 94.091° E. The second image was recorded at 17:47 h on 16 July 2024 at an elevation of 201 m at 27.395° N, 94.094° E. The two locations were approximately 1.5 km apart, within 200–300 m of a perennial stream, and about 50–600 m away from the forest edge. The surrounding habitat at these locations had 60–70 % canopy cover and the dominant tree species were *Canarium bengalense*, *Mesua ferrea*, and *Dillenia indica*.

Our camera traps also recorded the Leopard Cat *Prionailurus bengalensis*, Malayan Porcupine *Hystrix brachyura*, and Wild Boar *Sus scrofa*.

All our interview respondents were aware of the Marbled Cat's presence in Kakoi Reserve Forest.



Image 1. Marbled Cat recorded on 13 July 2024 in Kakoi Reserve Forest, Assam, India. © Hiranmoy Chetia.



Image 2. Marbled Cat recorded on 16 July 2024 in Kakoi Reserve Forest, Assam, India. © Hiranmoy Chetia.

They identified it as “Gadhafutuki” and “Gadhafutuki mekuri.” Thirteen respondents said they had never harmed or killed a Marbled Cat. Five others mentioned that when Marbled Cats came near their poultry coops, they sometimes used catapults to scare them away, but made it clear they never intended to kill them. They also emphasized that they neither eat wild cat meat nor sell any parts of wild animals.

DISCUSSION

Our records of the Marbled Cat represent the first evidence for its presence in Kakoi Reserve Forest. It is not possible to determine whether the two photographs show one or different individuals, as the cat in Image 2 is slightly motion-blurred. The nearest sites where the Marbled Cat was reported earlier are Talle Valley Wildlife Sanctuary in Arunachal Pradesh (Selvan et al. 2013) and Subansiri Reserve Forest of Dhemaji District (Choudhury 1996). These sites are about 20–30 km away from our study area.

The forest cover in Kakoi Reserve Forest is well above the minimum forest cover observed in the southeastern Asian range and preferred habitat of the Marbled Cat (Hendry et al. 2023). Our records corroborate findings in Eaglenest Wildlife Sanctuary indicating that the Marbled Cat is associated with dense forest and a high canopy cover of around 70% (Mukherjee et al. 2016). Reserve

Forests adjacent to our study area also exhibit high proportions of densely forested areas (Saikia & Saikia 2020). We therefore think it likely that the Marbled Cat is present along a broader section of the lower Himalayan foothills in the Lakhimpur Forest Range and the borderlands with Arunachal Pradesh.

The local name “Gadhafutuki” for the Marbled Cat is also a common name for the Clouded Leopard *Neofelis nebulosus* in Assamese (Choudhury 2013), which indicates that local people use one name for similar looking species. Some informants correctly identified the Clouded Leopard and provided insights into the size difference between the two species.

Our respondents indicated that poaching, ritualistic hunting, and retaliatory killing do not currently pose a significant threat to the Marbled Cat in Kakoi Reserve Forest and surroundings. Tribal hunters in Assam reportedly have hunted Marbled Cats near Subansiri and Dhansiri Reserve Forests (Choudhury 1996). In Arunachal Pradesh, Marbled Cat skins have been recorded with local hunters in West Kameng District, Dihang-Dibang Biosphere Reserve, Pakke Tiger Reserve, and Ziro Valley (Mishra et al. 2006; Choudhury 2010; Lyngdoh et al. 2011; Selvan et al. 2013).

In view of the scarce knowledge about the Marbled Cat in Assam, we highly recommend further surveys to better understand its distribution, habitat use, and the

threats it faces in this region. Convincing local people to protect rather than hunt the Marbled Cat is essential for its conservation.

REFERENCES

Bal, A.K., D. Panda & N.S. Chauhan (2022). First photographic evidence of Marbled Cat from Murlen National Park, Mizoram, India. *Cat News* 75: 14–15.

Buragohain, M.K., A.A. Dar, K.N. Babu & N. Parthasarathy (2023). Tree community structure, carbon stocks and regeneration status of disturbed lowland tropical rain forests of Assam, India. *Trees, Forests and People* 11: 100371. <https://doi.org/10.1016/j.tfp.2023.100371>

Chatterjee, P., K. Mondal, B. Tripathy & K. Chandra (2019). Evidence of presence of Marbled Cat *Pardofelis marmorata* (Martin, 1837) in Neora Valley National Park, Central Himalaya, India. *Records of the Zoological Survey of India* 119(2): 193–196. <https://doi.org/10.26515/rzsi/v119/12/2019/129097>

Chetia, H., S.D. Rout & M. Neog (2024). An assessment of herpetofauna in Kakoi Reserve Forest of Lakhimpur District, Assam, India. *Proceedings of the Zoological Society* 77: 183–189. <https://doi.org/10.1007/s12595-024-00520-w>

Chetia, H., R. Hazarika, C. Gogoi & S.D. Rout (2025). Edible flora: An assessment from Kakoi Reserve Forest of Lakhimpur District. *Journal of Bioresearch* 4(1): 12–22. <https://doi.org/10.5281/zenodo.12776679>

Choudhury, A. (1996). The Marbled Cat *Felis marmorata* Martin in Assam – some recent records. *Journal of the Bombay Natural History Society* 93(1): 583–584.

Choudhury, A. (2010). Records of cats in Dihang-Dibang Biosphere Reserve in northeastern India. *Cat News* 53: 22–24.

Choudhury, A. (2013). *The Mammals of Northeast India*. Gibbons Books, Guwahati, India, 432 pp.

Directorate of Economics and Statistics Assam (2014). *Statistical Handbook of Assam*. Government of Assam, Guwahati, 417 pp.

Fick, S.E. & R.J. Hijmans (2017). WorldClim 2: new 1km spatial resolution climate surfaces for global land areas. *International Journal of Climatology* 37(12): 4302–4315.

Hearn, A.J., J. Ross, H. Bernard, S.A. Bakar, L.T. Hunter & D.W. Macdonald (2016). The first estimates of Marbled Cat *Pardofelis marmorata* population density from Bornean primary and selectively logged forest. *PLoS One* 11(3): e0151046. <https://doi.org/10.1371/journal.pone.0151046>

Hendry, A., Z. Amir, H. Decoeur, C.P. Mendes, J.H. Moore, A. Sovie & M.S. Luskin (2023). Marbled Cats in Southeast Asia: Are diurnal and semi-arboreal felids at greater risk from human disturbances? *Ecosphere* 14(1): e4338. <https://doi.org/10.1002/ecs2.4338>

Jhala, Y.V., Q. Qureshi & A.K. Nayak (2020). *Status of Tigers, co predators and prey in India*, 2018. National Tiger Conservation Authority, Government of India, New Delhi, and Wildlife Institute of India, Dehradun, 656 pp.

Joshi, B., B.L.N. Syiem, R. Kuotsu, A. Menon, J. Gogoi, V.R. Goswami & D. Vasudev (2019). Records of the Marbled Cat *Pardofelis marmorata* and the Asiatic Golden Cat *Catopuma temminckii* (Mammalia: Carnivora: Felidae) from the community forests surrounding the Dzükou Valley in Nagaland, India. *Journal of Threatened Taxa* 11(10): 14363–14367. <https://doi.org/10.11609/jott.4921.11.10.14363-14367>

Lama, S.T., J.G. Ross, D. Bista, A.P. Sherpa, G.R. Regmi, M.K. Suwal, P. Sherpa, J. Weerman, S.S. Lama, M. Thapa, L.P. Poudyal & A.M. Paterson (2019). First photographic record of Marbled Cat *Pardofelis marmorata* Martin, 1837 (Mammalia, Carnivora, Felidae) in Nepal. *Nature Conservation* 32: 19–34. <https://doi.org/10.3897/natureconservation.32.29740>

Lyngdoh, S., K.M. Selvan, G.V. Gopi & B. Habib (2011). First photographic evidences of two rare cats from Pakke Tiger Reserve, western Arunachal Pradesh. *Current Science* 101(10): 1284.

Menon, V. (2014). *Indian Mammals: a Field Guide*. Hachette Book Publishing, Gurgaon, India, 528 pp.

Ministry of Law and Justice (2022). The Wild Life (Protection) Amendment Act, 2022. The Gazette of India Extraordinary, Part II, Section 1, New Delhi.

Mishra, C., M.D. Madhusudan & A. Datta (2006). Mammals of the high altitudes of western Arunachal Pradesh, eastern Himalaya: an assessment of threats and conservation needs. *Oryx* 40(1): 29–35. <https://doi.org/10.1017/S0030605306000032>

Mohamed, A., H. Samejima & A. Wilting (2009). Records of five Bornean cat species from Deramakot Forest Reserve in Sabah, Malaysia. *Cat News* 51: 14–17.

Mukherjee, S., R. Athreya, P.V. Karunakaran & P. Choudhary (2016). Ecological species sorting in relation to habitat structure in the small cat guild of Eaglenest Wildlife Sanctuary, Arunachal Pradesh. Technical Report PR-182, 1–52. Sálím Ali Centre for Ornithology and Natural History, Coimbatore, 61 pp.

Mukherjee, S., P. Singh, C. Ri, K. Kakati, B. Borah, T. Tapi, S. Kadur, P. Choudhary, S. Srikant, S. Nadig, R. Navya, M. Björklund & U. Ramakrishnan (2019). Activity patterns of the small and medium felid (Mammalia: Carnivora: Felidae) guild in northeastern India. *Journal of Threatened Taxa* 11(4): 13432–13447. <https://doi.org/10.11609/jott.4662.11.4.13432-13447>

Ross, J., J. Brodie, S. Cheyne, A. Datta, A. Hearn, B. Loken, A.J. Lynam, J. McCarthy, C. Phan, A. Rasphone, P. Singh & A. Wilting (2016). *Pardofelis marmorata*. The IUCN Red List of Threatened Species 2016: e.T16218A97164299. Accessed on 15.i.2025. <https://doi.org/10.2305/IUCN.UK.2016-1.RLTS.T16218A97164299.en>

Saikia, J. & S. Saikia (2020). Forest cover change detection in Ranga, Kakoi, and Dulung Reserve Forests in the Lakhimpur District of Assam, India. *Journal of the Social Sciences* 48(4): 1664–1674.

Selvan, K.M., G.V. Gopi, B. Habib & S. Lyngdoh (2013). Hunting record of endangered Marbled Cat *Pardofelis marmorata* in the Ziro valley of Lower Subansiri, Arunachal Pradesh, India. *Journal of Threatened Taxa* 5(1): 3583–3584. <https://doi.org/10.11609/JOTT.o3208.100>

Sethy, J., S. Gouda & N.S. Chauhan (2017). Photographic evidence of Marbled Cat from Dampa Tiger Reserve, Mizoram, India. *Cat News* 65: 26–27.

Wearn, O.R., J.M. Rowcliffe, C. Carbone, H. Bernard & R.M. Ewers (2013). Assessing the status of wild felids in a highly-disturbed commercial forest reserve in Borneo and the implications for camera trap survey design. *PLoS One* 8(11): e77598. <https://doi.org/10.1371/journal.pone.0077598>

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. Karen 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 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. Lional 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. Karen 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. Priyadarshan 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. Priyadarshan 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 KV, 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. Raja 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. Rironker, Goa University, Taleigao Plateau, Goa, India
Dr. S.R. Ganesh, Chennai Snake Park, Chennai, Tamil Nadu, India
Dr. Himansu Sekhar Das, Terrestrial & Marine Biodiversity, Abu Dhabi, UAE

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

Birds

Dr. Hem Sagar Baral, Charles Sturt University, NSW Australia
Mr. H. Biju, 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 Jayopal, SACON, 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 Sundev, Professor of Ornithology, Ulaanbaatar, Mongolia
Prof. Reuven Yosef, International Birding & Research Centre, Eilat, Israel
Dr. Taej Mundkur, Wetlands International, Wageningen, The Netherlands
Dr. Carol Inskip, Bishop Auckland Co., Durham, UK
Dr. Tim Inskip, 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, SACON, 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, SACON, 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, The American College, Madurai, 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, Budhanilkantha Municipality, Kathmandu, Nepal
Dr. Susan Cheyne, Borneo Nature Foundation International, Palangkaraya, 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 Helleni 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. Bharat Baviskar, Wild-CER, Nagpur, Maharashtra 440013, India

Reviewers 2021–2023

Due to paucity 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

Articles

Two new species of bush frogs (Anura: Rhacophoridae: Raorchestes) from Meghalaya, northeastern India

– Holiness Warjri, Jayaditya Purkayastha, Hmar Tlawnme Lalremsanga & Madhurima Das, Pp. 27171–27194

Cataloguing biodiversity of freshwater communities in two lakes of Gadchiroli area of central India using environmental DNA analysis

– Maheshkumar Seelamwar, Pankaj Chavan & Mandar S. Paingankar, Pp. 27195–27206

Additions to the Agaricales of Kolhapur District, Maharashtra, India

– Anjali Rajendra Patil & Sushant Ishwar Bornak, Pp. 27207–27225

Communications

First camera-trap records of Dhole *Cuon alpinus* (Pallas, 1811) (Mammalia: Canidae) and Spotted Linsang *Prionodon pardicolor* (Hodgson, 1841) (Mammalia: Carnivora: Prionodontidae) in Makalu Barun National Park, Nepal

– Hari Basnet, Nawang Sing Gurung, Shyam Kumar Shah, Dukpa Thikepa Bhote, Khagendra Sangam, Naomi Bates & Daniel Carl Taylor, Pp. 27226–27232

Redescription of a leaf-footed bug *Homoeocerus glossatus* Ahmad & Perveen (Heteroptera: Coreidae) from Dhule, Maharashtra, India

– Digvijay R. Jadhav, Archana A. Sharbidre & Hemant V. Ghate, Pp. 27233–27241

Diet composition of three syntopic, ecologically divergent frogs (Euphlyctis, Minervarya, Polypedates) from paddy fields of Kohima, Nagaland, India

– Thejavitso Chase & Santa Kalita, Pp. 27242–27248

Review

A checklist of avifauna of Telengana, India

– Chelmala Srinivasulu & Sriram Reddy, Pp. 27249–27282

Short Communications

First photographic evidence of Marbled Cat *Pardofelis marmorata* (Martin, 1836) (Mammalia: Carnivora: Felidae) in Kakoi Reserve Forest, Assam, India

– Hiranmoy Chetia, Abhijit Konwar & Anshuman Gogoi, Pp. 27283–27287

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

July 2025 | Vol. 17 | No. 7 | Pages: 27171–27322

Date of Publication: 26 July 2025 (Online & Print)

DOI: [10.11609/jott.2025.17.7.27171-27322](https://doi.org/10.11609/jott.2025.17.7.27171-27322)

A new species of millipede of the genus *Xiphidiogonus* Carl, 1932 (Paradoxosomatidae: Polydrepantini) from Satara District, Maharashtra State, India

– S.B. Mane, M.D. Aswathy, P.P. Badade & V.Y. Deshpande, Pp. 27288–27294

Mucuna interrupta Gagnep. (Magnoliopsida: Fabaceae): a new plant record for Nagaland, India

– Vieneite-o Koza, Gyati Yam & Joynath Pegu, Pp. 27295–27299

Notes

Sighting of Royle's Pika *Ochotona roylei* Ogilby, 1839 (Mammalia: Lagomorpha: Ochotonidae) in Kishtwar District, Jammu & Kashmir, India

– Umar Mushtaq & Kaleem Ahmed, Pp. 27300–27302

First record of an Amber Snail *Succinea daucina* Pfeiffer, 1855 (Gastropoda: Succineidae) from Bihar, India

– Dipty Kumari, Dilip Kumar Paul, Sheikh Sajan & Tamal Mondal, Pp. 27303–27307

First record of the ladybird beetle *Novius pumilus* (Weise, 1892) (Coleoptera: Coccinellidae: Noviini) from West Bengal, India, with notes on its ecology

– Tamoghno Majumder & Kusal Roy, Pp. 27308–27311

Boesenbergia tiliifolia (Baker) Kuntze (Zingiberaceae) - a new record for Maharashtra, India

– Vijay A. Paithane, Anil S. Bhuktar & Sanjay J. Sawant, Pp. 27312–27315

Acrospelion alpestre (Avenae: Poaceae) in India: a new generic record from northwestern Himalaya

– Kuntal Saha, Manoj Chandran, Ranjana Negi & Saurabh Guleri, Pp. 27316–27320

Response

Lesser Noddy *Anous tenuirostris* breeding in the Adam's Bridge Islands, India – a rectification

– Moditha Hiranya Kodikara Arachchi, Pp. 27321–27322

Publisher & Host



Threatened Taxa