

Building evidence for conservation globally

Journal of Threatened TAXA



10.11609/jott.2025.17.10.27551-27786

www.threatenedtaxa.org

26 October 2025 (Online & Print)

17(10): 27551-27786

ISSN 0974-7907 (Online)

ISSN 0974-7893 (Print)



Open Access





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. 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, Ilandudno, 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 Warty Hammer Orchid *Drakaea livida* gets pollinated by a male thynnine wasp through 'sexual deception' — a colour pencil reproduction of photos by ron_n_beths (flickr.com) and Rod Peakall; Water colour reproduction of Flame Lily *Gloriosa superba* — photo by Passakoran_14; and a bag worm and its architectural genius (source unknown). Art work by Pannagarsri G.



Recent records of endemic bird White-faced Partridge *Arborophila orientalis* (Horsfield, 1821) in Meru Betiri National Park, Indonesia

Arif Mohammad Siddiq¹  & Nur Kholid² 

¹ Department of Biology, Faculty of Mathematics and Natural Sciences, Universitas Jember, Jember 68121, East Java, Indonesia.

² Meru Betiri National Park, Jember 68123, East Java, Indonesia.

¹ arifsiddiq.fmipa@unej.ac.id (corresponding author), ² rptnmb@gmail.com

Abstract: The ecological records of the White-faced Partridge *Arborophila orientalis* in Meru Betiri National Park (MBNP) are extremely scant. Recently, camera trap monitoring has revealed the presence of this endemic bird in three different areas at MBNP: Malangsari (09 August 2018; 28 August 2018; 28 November 2018), Sumberpacet (17 November 2018), and Rajegwesi (18 October 2021). The White-faced Partridge was found in MBNP's highland regions, at elevations ranging 446–960 m and on slopes inclining 21.13–53.61%. Furthermore, it was located under high-density forest cover, as indicated by a normalized difference vegetation index (NDVI) ranging 0.67–0.72. It was observed solitary or in groups (four individuals per frame), participating in activities such as self-grooming and foraging on the forest floor, and crossing forest ground. We conclude that our report is remarkable in terms of the distribution and habitat characteristics of the White-faced Partridge in the MBNP, which is critical information for developing conservation strategies for this endemic species in their refuge.

Keywords: Camera trap, dense forest, distribution, forest floor, highlands, steeper terrain.

The White-faced Partridge *Arborophila orientalis* (Horsfield, 1821) is an endemic bird species to the East Java highlands, Indonesia (Fuller et al. 2000), and categorized as 'Vulnerable' (VU B1 ab(ii,iii,v)) by the International Union for Conservation of Nature (IUCN)

Red List (Birdlife International 2024). It has a highly restricted range, confined to the mountains of eastern Java (van Ballen 1992; Fuller et al. 2000). Reports indicate that, White-faced Partridge resides in montane forests at elevations of 500–2,200 m (van Ballen 1992; McGowan et al. 1995), but usually above 1,000 m (Fuller et al. 2000). Currently, this partridge is recorded in three separate geographic areas, i.e., Yang Highland (van Ballen 1992; McGowan et al. 1995; Fuller et al. 2000), Ijen Mountain (van Ballen 1992; Mittermeier et al. 2014; Siddiq et al. 2023a), and Meru Betiri National Park based on old records (Seidensticker et al. 1980; van Ballen 1992).

In Meru Betiri National Park (MBNP), the ecological record of the White-faced Partridge remains poorly documented. Its last scientific report was by Seidensticker et al. (1980), which was in the tropical primary forest, though the details of this report is unclear. Their occurrence in the highland forests makes it tough to detect and monitor by MBNP staff. Additionally, MBNP features a wide range of slopes (0–283 %), predominantly in steeper categories (Siddiq

Editor: Anonymity requested.

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

Citation: Siddiq, A.M. & N. Kholid (2025). Recent records of endemic bird White-faced Partridge *Arborophila orientalis* (Horsfield, 1821) in Meru Betiri National Park, Indonesia. *Journal of Threatened Taxa* 17(10): 27748-27753. <https://doi.org/10.11609/jott.9603.17.10.27748-27753>

Copyright: © Siddiq & Kholid 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: Lembaga Penelitian dan Pengabdian Kepada Masyarakat (LP2M) Universitas Jember (Number: (3011/UN25.3.1/LT/2024.); Meru Betiri National Park Project.

Competing interests: The authors declare no competing interests.

Acknowledgments: We thank the MBNP team who deploy the camera trap.





Image 1. Camera trap deployment in the Meru Betiri National Park, Indonesia.

et al. 2023b), which further complicates efforts to survey for this species. Generally, this endemic species inhabits tropical montane forests, preferring dense interior forest areas (BirdLife International 2024). As a Phasianidae species, the White-faced Partridge has limited flight capabilities, and primarily forages on the forest floor (Taufiqurrahman et al. 2022). Therefore, to effectively detect and capture this ground-dwelling species, appropriate methods, such as camera traps, are required.

Since 2017, MBNP has extensively deployed camera traps to inventory and monitor wildlife species. Camera traps, equipped with motion, and thermal sensors (Molloy 2018), are a highly effective tool for detecting ground-dwelling species (Thunhikorn et al. 2016). This camera has been proven to record several species of ground-dwelling birds, such as Green Peafowl *Pavo muticus*, and Junglefowl *Gallus* sp. in Alas Purwo National Park, Ujung Kulon National Park, and Meru Betiri National Park (Ariyanto et al. 2024). In addition, based on camera trap data from 2018 and 2021, we confirm the recent records of the endemic bird White-

faced Partridge in MBNP. This confirms the existence of this endemic species in the MBNP and also reveals its local distribution.

Camera trap deployment

Meru Betiri National Park, located in the eastern expanse of Java Island, Indonesia, encompasses an area of 52,626.04 ha (Image 1). Administratively, it is stratified into three management sectors: Sarongan, comprising the Karangtambak, Rajegwesi, and Sukamade resorts; Kalibaru, comprising the Baban, Malangsari, and Sumberpacet resorts; and Ambulu, comprising the Wonoasri, Sanenrejo, Andongrejo, and Bandealit resorts. According to Syarief (2018), the park harbours five distinctive natural ecosystems, namely lowland rainforest, coastal forest, brackish forest, swamp forest, and rheophyte vegetation. Furthermore, the park exhibits diverse geological, and land cover attributes, with an altitudinal gradient ranging 0–1,185 m, slopes varying 0–283 %, and a NDVI spanning -0.36–0.81 (Siddiq et al. 2023b).

The monitoring of wildlife at MBNP utilizing camera

traps was conducted from 2017–2023 across 111 grids, each measuring 2 x 2 km (Image 1). The primary objective of this surveillance was to detect the presence of the Javan Leopard and its prey species. Nevertheless, the camera traps also inadvertently documented other terrestrial species, such as the White-faced Partridge. Each camera trap was strategically deployed within the grids, positioned approximately 20–40 cm above ground level, and operated continuously for 3–4 months, capturing both photographs, and videos.

RESULTS

The White-faced Partridge was documented in three distinct locations at MBNP: Malangsari (09 August 2018; 28 August 2018; 28 November 2018), Sumberpacet (17 November 2018), and Rajegwesi (18 October 2021) (Table 1). The species was recognized as the White-faced Partridge based on its stocky build, grey color, and short legs (Image 2). The body size is smaller and rounder than that of the Red Junglefowl *Gallus gallus*, another sympatric Phasianidae species found in the MBNP (Image 3). Another prominent feature is a white forehead, cheeks, and throat (Image 2). The encounters were during the day, including morning (065430 h and 082432 h), and afternoon (1333 h, 133844 h, 144256 h, 151034 h, and 163622 h).

The White-faced Partridge was recorded in the highland regions of MBNP, at elevations ranging 446–960 m (Image 4), and on slopes with inclinations ranging 21.13–53.61 % (Image 5). Furthermore, it was occupied in high-density forest cover, as reflected by an NDVI ranging 0.67–0.72 (Image 6). In the photographs, this endemic species was recorded solitary or in groups (four individuals per frame), engaging in activities such as self-grooming, foraging on the forest floor, and crossing forest ground (Image 2).

DISCUSSION

This finding constitutes a noteworthy rediscovery of the White-faced Partridge in MBNP, which had its last scientific record around 40 years ago (Seidensticker et al. 1980). These recent records are essential for determining the occurrence and range of this elusive species in MBNP. First, the altitudinal range of the White-faced Partridge in MBNP, particularly at Rajegwesi (446 m), exposes a new lower elevation record. A slightly different report with prior references that noted its low elevation range of 500 m (van Ballen 1992; McGowan et al. 1995), and more recent observations reporting a minimum range of 600 m (BirdLife International 2024). According to this report, the elevation range of the White-faced Partridge is approximately 446–2,200 m.

Another notable habitat characteristic of the White-faced Partridge in MBNP is the steepness of the terrain it occupies (21.13–53.61 %). This may reveal an important predictor for analyzing this species' habitat preference, although further research is needed to support this hypothesis. Probably, steep terrains frequently provide unique microhabitats, such as colder temperatures, and certain vegetation types, which are critical for the White-faced Partridge's feeding, nesting, and sheltering requirements. Furthermore, steep slopes are usually linked with extensive forest cover, which corresponds to the high NDVI values seen in these partridge habitats (0.67–0.72). According to Jiang et al. (2006), an NDVI value more than 0.4 indicates a dense forest with a mix of plants, huge trees, and broad canopies. Furthermore, Taufiqurrahman et al. (2022), suggest that this species is frequently found in places dominated by Dipterocarpaceae trees, implying a possible biological link with specific forest compositions.

Ultimately, we encourage further research to appraise the ecology of the White-faced Partridge in MBNP, including population estimates, and habitat suitability models. The findings will support the MBNP

Table 1. The occurrence of White-faced Partridge in Meru Betiri National Park, Indonesia.

	Resort: Coordinate	Altitude (m)	Slope (%)	NDVI	Date	Time
1	Malangsari: -8.432° S, 113.852° E	960	21.13	0.68	09.viii.2018	0654 h
					28.viii.2018	1333 h
					28.xi.2018	1338 h
						1636 h
					17.xi.2018	0824 h
2	Rajegwesi: -8.524° S, 113.930° E	446	53.61	0.67	18.x.2021	1442 h
						1510 h
3	Sumberpacet: -8.446474° S, 113.884460° E	610	40.03	0.72		



Image 2. Photographs of the White-faced Partridge in the MBNP.



Image 3. Photographs of the Red Junglefowl in the MBNP as a sympatric Phasianidae species.

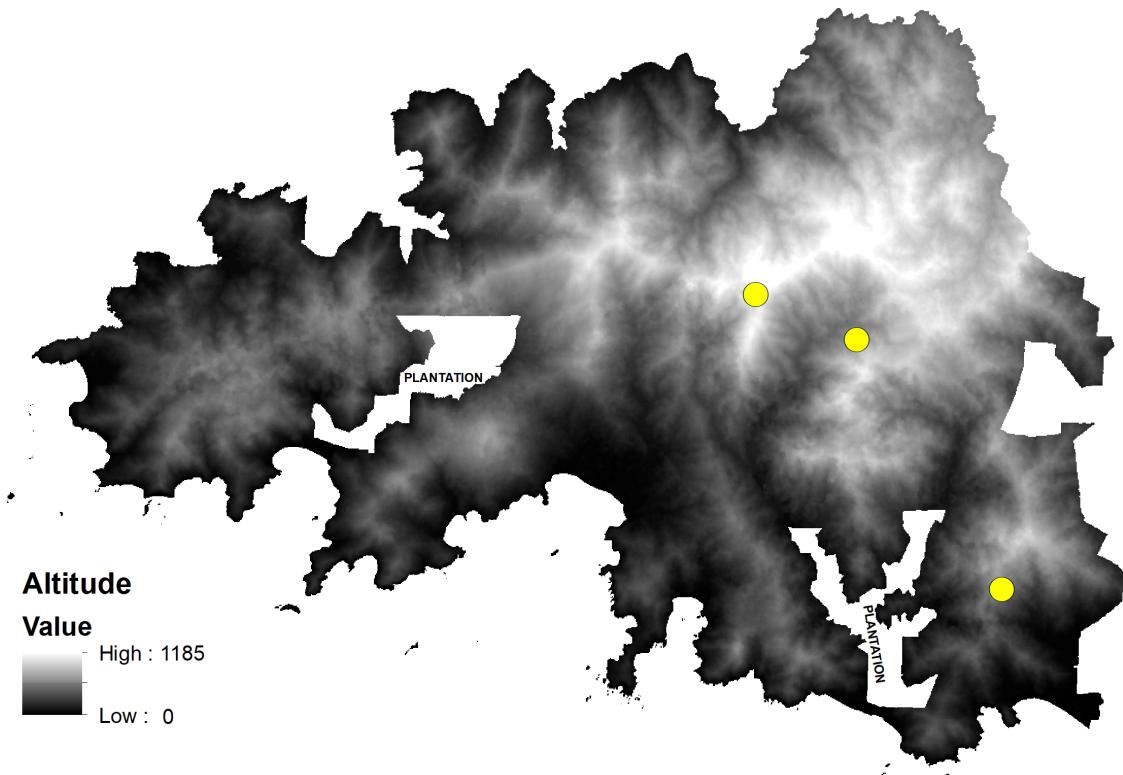


Image 4. The occurrence of White-faced Partridge (yellow dots) in the MBNP based on the altitude map.

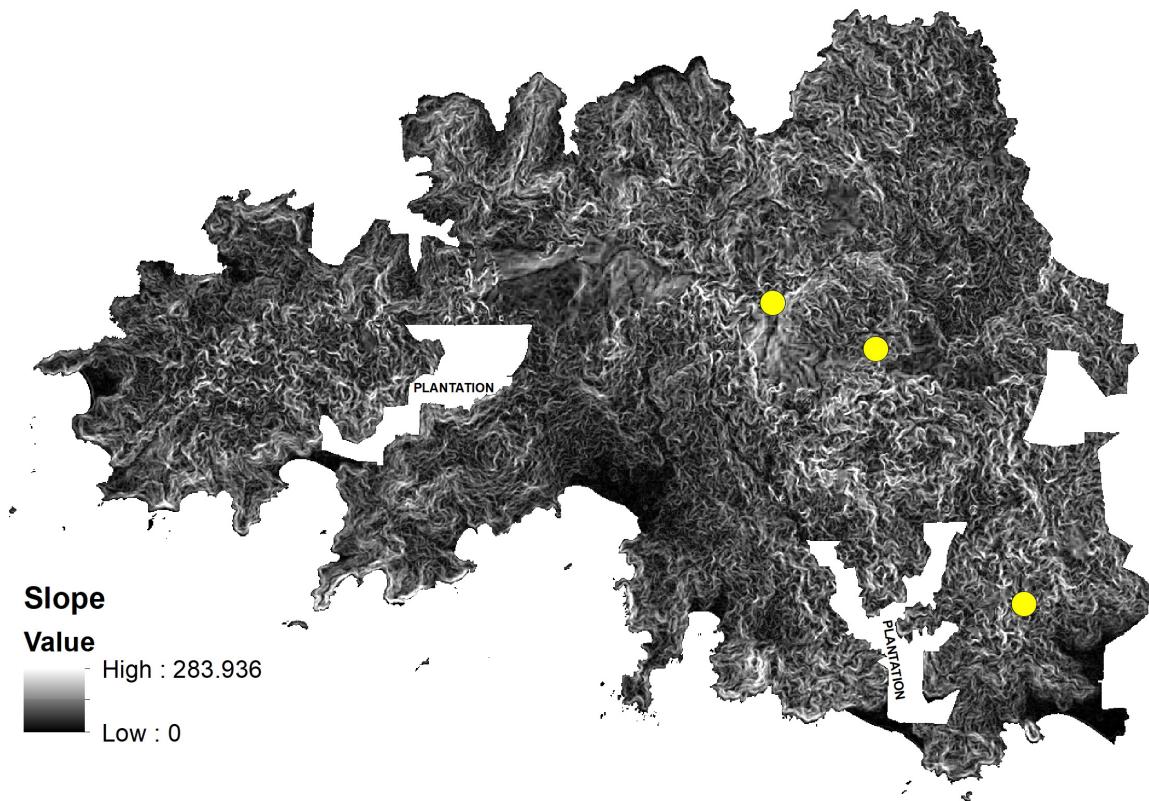


Image 5. The occurrence of White-faced Partridge (yellow dots) in the MBNP based on the slope map.

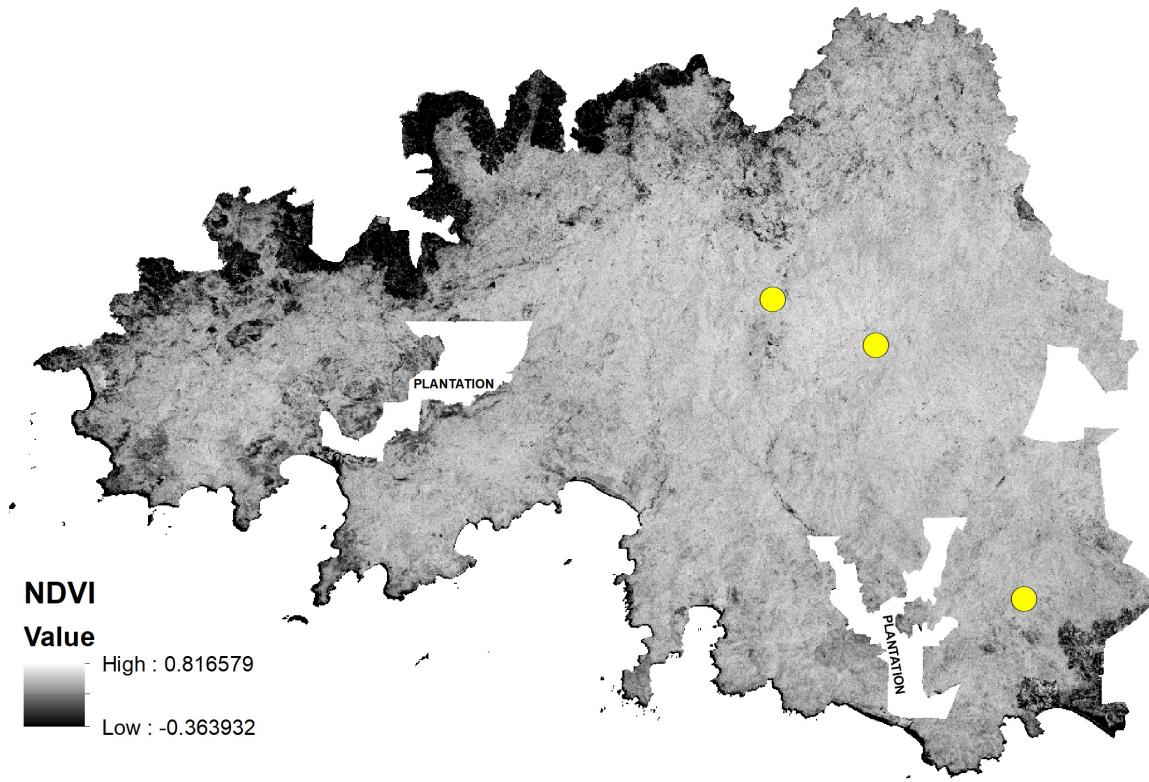


Image 6. The occurrence of White-faced Partridge (yellow dots) in the MBNP based on the NDVI map.

management as the primary conservation authority in designing and implementing appropriate conservation strategies for the White-faced Partridge. Moreover, this bird species is a potential target for poaching and trading as it has been traded in the Java-Bali bird market for 27 years (Nijman 2022). As previously stated, the White-faced Partridge is an endemic species that is restricted to the East Java highlands (Iyang Argopuro, Ijen Mountains, and Meru Betiri National Park). Thus, an ecological report on this species is critical. Our findings, in particular the occurrence of White-faced Partridge in three distinct regions at MBNP, could provide essential preliminary information.

REFERENCES

Ariyanto, A.C., T. Wang, A.K. Skidmore, H.T. Wibisono, F.A. Widodo, A.Y. Firdaus, Y. Wiharisno, N. Koliq & W. Murdyatmaka (2024). Range-wide camera traps reveal potential prey species for Javan leopards. *Global Ecology and Conservation* 53(e03020): 1–15. <https://doi.org/10.1016/j.gecco.2024.e03020>

BirdLife International (2024). *Arborophila orientalis*. The IUCN Red List of Threatened Species 2024: e.T22679038A246271035. Accessed on 01.1.2025.

Fuller, R.A., J.P. Carroll & P.J.K. McGowan (2000). Partridges, Quails, Francolins, Snowcocks, Guineafowl, and Turkeys. Status Survey and Conservation Action Plan 2000–2004. WPA/BirdLife/SSC Partridge, Quail, and Francolin Specialist Group. IUCN, Gland, Switzerland and Cambridge, UK, and the World Pheasant Association, Reading, UK, vii + 63 pp.

Jiang, Z., A.R. Huete, J. Chen, Y. Chen, J. Li, G. Yan & X. Zhang (2006). Analysis of NDVI and scaled difference vegetation indeks retrievals of vegetation fraction, *Remote Sensing of Environment* 101(3): 366–378. <https://doi.org/10.1016/j.rse.2006.01.003>

McGowan, P.J.K., S.D. Dowell, J.P. Carroll & N.J. Aebisher (1995). Partridges, Quails, Francolins, Snow-cocks, Guineafowl, and Turkeys. Status Survey and Conservation Action Plan 1995–1999. IUCN, Gland, Switzerland, 68 pp.

Mittermeier, J., C. Oliveros, T. Haryoko, M. Irham & R. Moyle (2014). An avifaunal survey of three Javan volcanoes Gn Salak, Gn Slamet and the Ijen highlands. *BirdingASIA* 22(2014): 91–100.

Molloy, S. (2018). A Practical Guide to Using Camera Traps for Wildlife Monitoring in Natural Resource Management Projects. Australian Government's National Landcare Program, Australia, 28 pp.

Nijman, V. (2022). Analysis of trade in endemic Javan hill partridges over the last quarter of a century period. *Avian Biology Research* 15(2): 84–92. <https://doi.org/10.1177/17581559221086469>

Seidensticker, J., Suyono & T. Thomas (1980). *The Javan Tiger and Meru Betiri Reserve*. IUCN, Gland, Switzerland, 167 pp.

Siddiq, A.M., H. Sulistiowati, A.S. Kurnianto, A. Aninas & S. Samsuri (2023a). The Diversity and Uniqueness of Avifauna in Erek-Erek Geoforest at Ijen Geopark, East Java, Indonesia. *Journal of Tropical Biodiversity and Biotechnology* 8(1): 1–10. <https://doi.org/10.22146/jtbb.75639>

Siddiq, A.M., N. Kholiq, W. Subchan & H.I. Maulahila (2023b). Habitat suitability model for Banteng (*Bos javanicus*) in Meru Betiri National Park, Indonesia. *Biodiversitas* 24(2): 1296–1302. <https://doi.org/10.13057/biodiv/d240272>

Syarief, N.R. (2018). *Jendela Meru Betiri*. Balai Taman Nasional Meru Betiri, Jember, Indonesia.

Taufiqurrahman, I., P.G. Akbar, A.A. Purwanto, M. Untung, Z. Assiddiqi, W.K. Wibowo, M. Iqbal, F.N. Tirtaningtyas & D.A. Triana (2022). *Panduan Lapangan Burung-Burung di Indonesia Sunda Besar Sumatera, Kalimantan, Jawa, Bali*. Birdpacker Indonesia-Interlude, Batu, Indonesia, 400 pp.

Thunhikorn, S., M.J. Grainger, P.J.K. McGowan & T. Savini (2016). Methods used to survey avian species and their potential for surveying ground-dwelling birds in Asia. *Forktail* 32: 5–13.

van Balen, S. (1992). Distribution, status and conservation of the forest partridges in the Greater Sundas (Indonesia) with special reference to the Chestnut-bellied Partridge (*Arborophila javanica*). *Gibier Faune Sauvage* 9: 561–569.



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

Fruit bat (Pteropodidae) composition and diversity in the montane forests of Mt. Kampalili, Davao De Oro, Philippines

– Ilamay Joy A. Yangurin, Marion John Michael M. Achondo, Aaron Froilan M. Raganas, Aileen Grace D. Delima, Cyrose Suzie Silvosa-Millado, Dolens James B. Iñigo, Shiela Mae E. Cabrera, Sheryl Moana Marie R. Ollamina, Jayson C. Ibañez & Lief Erikson D. Gamalo, Pp. 27551–27562

The impact of anthropogenic activities on *Manis javanica* Desmarest, 1822 (Mammalia: Pholidota: Manidae) in Sepanggar Hill, Malaysia

– Nurasyiqin Awang Shairi, Julius Kodoh, Normah Binti Awang Besar & Jephte Sompud, Pp. 27563–27575

Preliminary notes on a coastal population of Striped Hyena *Hyaena hyaena* (Linnaeus, 1758) from Chilika lagoon, India

– Partha Dey, Tiasa Adhya, Gottumukkala Himaja Varma & Supriya Nandy, Pp. 27576–27583

Wildlife management and conservation implications for Blackbuck corresponding with Tal Chhapar Wildlife Sanctuary, Rajasthan, India

– Ulhas Gondhali, Yogendra Singh Rathore, Sandeep Kumar Gupta & Kanti Prakash Sharma, Pp. 27584–27593

Amphibians and reptiles of Chitwan National Park, Nepal: an updated checklist and conservation issues

– Santosh Bhattarai, Bivek Gautam, Chiranjibi Prasad Pokhrel & Ram Chandra Kandel, Pp. 27594–27610

Butterfly diversity in Nagarahole (Rajiv Gandhi) National Park of Karnataka, India: an updated checklist

– S. Santhosh, V. Gopi Krishna, G.K. Amulya, S. Sheily, M. Nithesh & S. Basavarajappa, Pp. 27611–27636

Floral traits, pollination syndromes, and nectar resources in tropical plants of Western Ghats

– Ankur Patwardhan, Medhavi Tadwalkar, Amruta Joglekar, Mrunalini Sonne, Vivek Pawar, Pratiksha Mestry, Shivani Kulkarni, Akanksha Kashikar & Tejaswini Pachpor, Pp. 27637–27650

Ecological status, distribution, and conservation strategies of *Terminalia coronata* in the community forests of southern Haryana, India

– K.C. Meena, Neetu Singh, M.S. Bhandoria, Pradeep Bansal & S.S. Yadav, Pp. 27651–27660

Pterocarpus santalinus L.f. (Magnoliopsida: Fabaceae) associated arboreal diversity in Seshachalam Biosphere Reserve, Eastern Ghats of Andhra Pradesh, India

– Buchanapalli Sunil Kumar, Araveeti Madhusudhana Reddy, Chennuru Nagendra, Madha Venkata Suresh Babu, Nandimanadalam Rajasekhar Reddy, Veeramasu Jyosthna Sailaja Rani & Salkapuram Sunitha, Pp. 27661–27674

Potential distribution, habitat composition, preference and threats to Spikenard *Nardostachys jatamansi* (D.Don) DC. in Sakteng Wildlife Sanctuary, Trashigang, Bhutan

– Dorji Phuntsho, Namgay Shacha, Pema Rinzin & Tshewang Tenzin, Pp. 27675–27687

Checklist of floristic diversity of Mahadare Conservation Reserve, Satara, Maharashtra, India

– Sunil H. Bhoite, Shweta R. Sutar, Jaykumar J. Chavan & Swapnaja M. Deshpande, Pp. 27688–27704

Communication

Assessing fish diversity in the Ujani reservoir: an updated overview after one decade

– Ganesh Markad, Ranjit More, Vinod Kakade & Jiwan Sarwade, Pp. 27705–27719

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

October 2025 | Vol. 17 | No. 10 | Pages: 27551–27786

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

DOI: [10.11609/jott.2025.17.10.27551-27786](https://doi.org/10.11609/jott.2025.17.10.27551-27786)

Reviews

A review of 21st century studies on lizards (Reptilia: Squamata: Sauria) in northeastern India with an updated regional checklist

– Manmath Bharali, Manab Jyoti Kalita, Narayan Sharma & Ananda Ram Boro, Pp. 27720–27733

Understanding the ethnozoological drivers and socioeconomic patterns of bird hunting in the Indian subcontinent

– Anish Banerjee, Pp. 27734–27747

Short Communications

Recent records of endemic bird White-faced Partridge *Arborophila orientalis* (Horsfield, 1821) in Meru Betiri National Park, Indonesia

– Arif Mohammad Siddiq & Nur Kholiq, Pp. 27748–27753

Exploring carapace phenotypic variation in female Fiddler Crab *Austruca annulipes* (H. Milne Edwards, 1837): insights into adaptive strategies and ecological significance

– Vaishnavi Bharti, Sagar Naik & Nitin Sawant, Pp. 27754–27760

Habitat-specific distribution and density of fireflies (Coleoptera: Lampyridae): a comparative study between grassland and woodland habitats

– Kushal Choudhury, Firdaus Ali, Bishal Basumatary, Meghraj Barman, Papiya Das & Hilloljyoti Singha, Pp. 27761–27765

Hygrophila phlomoides Nees (Acanthaceae), a new record to the flora of northern India from Suhelwa Wildlife Sanctuary, Uttar Pradesh

– Pankaj Bharti, Baleshwar Meena, T.S. Rana & K.M. Prabhukumar, Pp. 27766–27770

The rediscovery of *Strobilanthes parryorum* C.E.C.Fisch., 1928 (Asterids: Lamiales: Acanthaceae) in Mizoram, India

– Lucy Lalawmpuii, Renthlei Lalnunfeli, Paulraj Selva Singh Richard, Pochamoni Bharath Simha Yadav, Subbiah Karuppusamy & Kholring Lalchandama, Pp. 27771–27776

New report of *Biophytum nervifolium* Thwaites (Oxalidaceae) from Gujarat, India

– Kishan Ishwarlal Prajapati, Siddharth Dangar, Santhosh Kumar Ettickal Sukumaran, Vivek Chauhan & Ekta Joshi, Pp. 27777–27781

Note

Water Monitor *Varanus salvator* predation on a Hog Deer *Axis porcinus* fawn at Kaziranga National Park, Assam, India

– Saurav Kumar Boruah, Luku Ranjan Nath, Shisukanta Nath & Nilutpal Mahanta, Pp. 27782–27784

Book Review

A book review of moths from the Eastern Ghats: Moths of Agastya

– Sanjay Sondhi, Pp. 27785–27786

Publisher & Host



Threatened Taxa