

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

26 October 2019 (Online & Print)
Vol. 11 | No. 13 | 14631–14786

Journal of Threatened Taxa



PLATINUM
OPEN
ACCESS

Building evidence for conservation globally





Publisher

Wildlife Information Liaison Development Societywww.wild.zooreach.org

Host

Zoo Outreach Organizationwww.zooreach.org

No. 12, Thiruvannamalai Nagar, Saravanampatti - Kalapatti Road, Saravanampatti,

Coimbatore, Tamil Nadu 641035, 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), 12 Thiruvannamalai Nagar, Saravanampatti, Coimbatore, Tamil Nadu 641035, India

Deputy Chief Editor

Dr. Neelesh Dahanukar

Indian Institute of Science Education and Research (IISER), Pune, Maharashtra, India

Managing Editor

Mr. B. Ravichandran, WILD/ZOO, Coimbatore, India

Associate Editors

Dr. B.A. Daniel, ZOO/WILD, Coimbatore, Tamil Nadu 641035, India**Dr. Mandar Paingankar**, Department of Zoology, Government Science College Gadchiroli, Chamorshi Road, Gadchiroli, Maharashtra 442605, India**Dr. Ulrike Streicher**, Wildlife Veterinarian, Eugene, Oregon, USA**Ms. Priyanka Iyer**, ZOO/WILD, Coimbatore, Tamil Nadu 641035, India

Editorial Board

Ms. Sally Walker

Founder/Secretary, ZOO, Coimbatore, India

Dr. Robert Lacy

Department of Conservation Biology, Chicago Zoological Society (also known as the Brookfield Zoo), Brookfield, Illinois 60513 USA; and Committee on Evolutionary Biology, University of Chicago

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

Dr. Ulrike Streicher, DVM

Wildlife Veterinarian / Wildlife Management Consultant, 1185 East 39th Place, Eugene, OR 97405, USA

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. Martin Fisher

Senior Associate Professor, Battcock Centre for Experimental Astrophysics, Cavendish Laboratory, JJ Thomson Avenue, Cambridge CB3 0HE, UK

Dr. Ulf Gärdenfors

Professor, Swedish Species Information Center, SLU, Uppsala, Sweden

Dr. John Fellows

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

Dr. Philip S. Miller

Senior Program Officer, Conservation Breeding Specialist Group (SSC/IUCN), 12101 Johnny Cake Ridge Road, Apple Valley, MN 55124, USA

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

English Editors

Mrs. Mira Bhojwani, Pune, India**Dr. Fred Pluthero**, Toronto, Canada**Mr. P. Ilangovan**, Chennai, India

Web Design

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

Typesetting

Mr. Arul Jagadish, ZOO, Coimbatore, India**Mrs. Radhika**, ZOO, Coimbatore, India**Mrs. Geetha**, ZOO, Coimbatore India**Mr. Ravindran**, ZOO, Coimbatore India

Fundraising/Communications

Mrs. Payal B. Molur, Coimbatore, India

Editors/Reviewers

Subject Editors 2016-2018

Fungi

Dr. B. Shivaraju, Bengaluru, Karnataka, India

Prof. Richard Kiprono Mibey, Vice Chancellor, Moi University, Eldoret, Kenya

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

Dr. V.B. Hosagoudar, Bilagi, Bagalkot, India

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

Dr. D.J. Bhat, Retd. Professor, Goa University, Goa, 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 Florense, 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, Kadoorie Farm and Botanic Garden Corporation, Hong Kong S.A.R., China

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 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. Janarthanan, Goa University, Goa, India

Dr. K. Karthigeyan, 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 Baños, Laguna, Philippines

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

Invertebrates

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

Dr. D.B. Bastawade, Maharashtra, India

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

continued on the back inside cover



**PLATINUM
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](#) 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.

www.threatenedtaxa.org

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

October 2019 | Vol. 11 | No. 13 | Pages: 14631–14786

Date of Publication: 26 October 2019 (Online & Print)

DOI: [10.11609/jott.2019.11.13.14631-14786](https://doi.org/10.11609/jott.2019.11.13.14631-14786)

Communications

Camera trap survey of mammals in Cleopatra's Needle Critical Habitat in Puerto Princesa City, Palawan, Philippines

– Paris N. Marler, Solomon Calago, Mélanie Ragon & Lyca Sandrea G. Castro, Pp. 14631–14642

Habitat suitability modeling of Asian Elephant *Elephas maximus* (Mammalia: Proboscidea: Elephantidae) in Parsa National Park, Nepal and its buffer zone

– Puja Sharma, Hari Adhikari, Shankar Tripathi, Ashok Kumar Ram & Rajeev Bhattacharai, Pp. 14643–14654

Current population status of the endangered Hog Deer *Axis porcinus* (Mammalia: Cetartiodactyla: Cervidae) in the Terai grasslands: a study following political unrest in Manas National Park, India

– Alojita Sinha, Bibhuti Prasad Lahkar & Syed Ainul Hussain, Pp. 14655–14662

A food spectrum analysis of three bufonid species (Anura: Bufonidae) from Uttarakhand region of the western Himalaya, India

– Vivekanand Bahuguna, Ashish Kumar Chowdhary, Shurveer Singh, Gaurav Bhatt, Siddhant Bhardwaj, Nikita Lohani & Satyanand Bahuguna, Pp. 14663–14671

Moult pattern and mortality during the final emergence of the Coromandel Marsh Dart Damselfly *Ceriagrion coromandelianum* (Zygoptera: Coenagrionidae) in central India

– Nilesh R. Thaokar, Payal R. Verma & Raymond J. Andrew, Pp. 14672–14680

Diversity of parasitic Hymenoptera in three rice-growing tracts of Tamil Nadu, India

– Johnson Alfred Daniel & Kunchithapatham Ramaraju, Pp. 14681–14690

Mapping octocoral (Anthozoa: Octocorallia) research in Asia, with particular reference to the Indian subcontinent: trends, challenges, and opportunities

– Ghosh Ramvilas, Kannan Shalu, Rajeev Raghavan & Kutty Ranjeet, Pp. 14691–14721

SEM study of planktonic chlorophytes from the aquatic habitat of the Indian Sundarbans and their conservation status

– Gour Gopal Satpati & Ruma Pal, Pp. 14722–14744

Is cultivation of *Saussurea costus* (Asterales: Asteraceae) sustaining its conservation?

– Chandra Prakash Kuniyal, Joel Thomas Heinen, Bir Singh Negi & Jagdish Chandra Kaim, Pp. 14745–14752

Short Communications

A first photographic record of a Yellow-bellied Weasel *Mustela kathiah* Hodgson, 1835 (Mammalia: Carnivora: Mustelidae) from western Nepal

– Badri Baral, Anju Pokharel, Dipak Raj Basnet, Ganesh Bahadur Magar & Karan Bahadur Shah, Pp. 14753–14756

Mammal diversity in a montane forest in central Bhutan

– Tashi Dhendup, Kinga Thinley & Ugyen Tenzin, Pp. 14757–14763

Notes

First record of Otter Civet *Cynogale bennettii* (Mammalia: Carnivora: Viverridae) kept as a pet in Indonesia, representing a possible new threat to the species

– Jamie Francis Bernard Bouhuys, Pp. 14764–14766

An observation of the White-bellied Sea Eagle *Haliaeetus leucogaster* preying on Saltwater Crocodile hatchlings *Crocodylus porosus* in Bhitarkanika Wildlife Sanctuary, India

– Nima Charan Palei, Bhakta Padarbinda Rath & Bimal Prasanna Acharya, Pp. 14767–14769

Elusive, rare and soft: a new site record of Leith's Softshell Turtle *Nilssonia leithii* (Reptilia: Testudines: Trionychidae) from Bhadra Tiger Reserve, Karnataka, India

– H.S. Sathyendra Sagar, M. Mrunmayee, I.N. Chethan, Manish Kumar & D.V. Girish, Pp. 14770–14772

A new distribution record of the Pentagonal Sea Urchin Crab *Echinoecus pentagonus* (A. Milne-Edwards, 1879) (Decapoda: Brachyura: Pilumnidae) from the Andaman Islands, India

– Balakrishna Meher & Ganesh Thiruchitrambalam, Pp. 14773–14776

First records of the ghost moth genus *Palpifer* Hampson, [1893] (Lepidoptera: Hepialidae) from the Indian subcontinent south of the Himalaya

– Siyad A. Karim & John R. Grehan, Pp. 14777–14779

First record of longhorn beetle *Calothyrza margaritifera* (Cerambycidae: Lamiinae: Phrynetini) from western India

– Vishwas Deshpande & Hemant V. Ghate, Pp. 14780–14783

Extended distribution of *Ceropegia mahabalei* Hemadri & Ansari (Apocynaceae) to the state of Gujarat, India

– Mukta Rajaram Bhamare, Hemantkumar Atmaram Thakur & Sharad Suresh Kambale, Pp. 14784–14786

Publisher & Host



Partner



Member

