

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.

Journal of Threatened Taxa

Building evidence for conservation globally

www.threatenedtaxa.org

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

NOTE

A RECORD OF *OURAPTERYX DIERLI* INOUE, 1994 (LEPIDOPTERA: GEOMETRIDAE: ENNOMINAE) FROM THE GARHWAL HIMALAYA, INDIA

Arun P. Singh & Lekhendra

26 July 2021 | Vol. 13 | No. 8 | Pages: 19171–19172

DOI: 10.11609/jott.6779.13.8.19171-19172





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
For reprints, contact <ravi@threatenedtaxa.org>

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.

Publisher & Host



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

https://doi.org/10.11609/jott.6779.13.8.19171-19172

#6779 | Received 05 October 2020 | Finally accepted 06 July 2021





A record of *Ourapteryx dierli* Inoue, 1994 (Lepidoptera: Geometridae: Ennominae) from the Garhwal Himalaya, India

Arun P. Singh 1 Lekhendra 2 Le

¹⁸² Entomology Branch, Forest Protection Division, Forest Research Institute, P.O. New Forest, Dehradun, Uttarakhand 248006, India.
¹ranoteaps@gmail.com (corresponding author), ²lekhendrasahu750@gmail.com

Ourapteryx dierli Inoue, 1994 was described from central Nepal (Inoue 1994) with specimens collected during June (holotype and paratypes of this species were collected on various dates in vi.1973) between 2,500–2,600 m from central Nepal (Inoue 1994, 1995). Later, O. dierli was recorded from western Nepal at 1,000 m on 25.vii.1996 (Stüning 2000). Recently, Sondhi et al. (2020) reported it from Sarmoli village (23.v.2019; 2,200 m; 30.079°N & 80.235°E) near Munsiari in Pithoragarh district of Kumaon in Uttarakhand, India. Hence the known distribution range of O. dierli was noted as eastern Kumaon in Uttarakhand, India to western and central Nepal (Sondhi et al. 2020).

During the course of surveys carried out on insects infesting the western Himalayan oaks, the authors recorded one individual of this species (Figure 1) in the Chakrata hills. The individual was attracted to a CFL light on 08.vi.2020 at Kanesar Range Chowki (2,238 m; 30.714°N & 77.859°E; 20:31h; Temp: 17.8°C; RH 77%), Chakrata Forest Division, Dehradun District of Uttarakhand, India. The forest habitat around the site is 12/C1a Ban oak forest (Champion & Seth 1968) with *Quercus leucotrichophora* being the dominant tree species along with associates like Deodar *Cedrus deodara*, Moru Oak *Q. floribunda*, Horse Chestnut *Aesculus indica*, Blue Pine *Pinus wallichiana*, Alder *Alnus nepalensis*, *Rhododendron arboretum*, Bhamora *Cornus capiatata*, *Pyrus pashia*, and Dwarf Bamboo *Arundinaria*

falcata. The earlier record from Uttarakhand by Sondhi et al. (2020) of this species was also in a similar forest habitat, altitude and season (pre-monsoon), which suggests the preference by this species for habitat, altitude, and season.

This finding further extends the western most limit in the distribution range of this species in the Himalaya to the Chakrata hills of Garhwal, Uttarakhand, India. This site of record lies in the Jaunsar region near the state of Himachal Pradesh to its west, and is ~250 km from the nearest known earlier record from Munsiari in Kumaon, India.

References

Champion, H.G. & S.K. Seth (1968). A Revised Forest Types of India. Manager of Publications, Government of India, Delhi.

Inoue, H. (1994). Descripton of a new species of *Ourapteryx* Leach (Geometridae: Ennominae) from central Nepal. *Tinea* 14(1): 10–12.

Inoue, H. (1995). The genera *Abraxas* and *Ourapteryx* from Nepal (Geometridae, Ennominae), pp. 119–139. In: Haruta, T. (ed.). (1995). *Moths of Nepal*. Part 4. TINEA. Vol. 14 (Supplement 2). The Japan Heterocerists' Society, Tokyo, 206pp+32pls.

Sondhi, S., D.N. Basu & K. Kunte (2020). First record of *Ourapteryx dierli* Inoue, 1994 (Lepidoptera: Geometridae: Ennominae) from India. *Journal of Threatened Taxa* 12(13): 16916–16919. https://doi.org/10.11609/jot.5524.12.13.16916-16919

Stüning, D. (1994). On the identity of *Ourapteryx ebuleata* Guenee, 1857, *O. multstrigaria* Walker, 1866, and *O. caschmirensis* Bastelberger, 1911, with description of two new species (Lepidoptera: Geometridae, Ennominae). *Nachrichten des Entomologischen Vereins Apollo* (NF) 15: 109–134.

Editor: Sanjay Sondhi, Titli Trust, Dehradun, India.

Date of publication: 26 July 2021 (online & print)

Citation: Singh, A.P. & Lekhendra (2021). A record of *Ourapteryx dierli* Inoue, 1994 (Lepidoptera: Geometridae: Ennominae) from the Garhwal Himalaya, India. *Journal of Threatened Taxa* 13(8): 19171–19172. https://doi.org/10.11609/jott.6779.13.8.19171-19172

Copyright: © Singh & Lekhendra 2021. 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: None.

Competing interests: The authors declare no competing interests.







Image 1. Ourapterya dierli Inoue, 1994 photographed at Kansar Range Chowki (2,238 m), Chakrata Forest Division, Dehradun District of Uttarakhand, India.







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 allows unrestricted use, reproduction, and distribution of articles in any medium by providing adequate credit to the author(s) and the source of publication.

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

July 2021 | Vol. 13 | No. 8 | Pages: 18959–19190 Date of Publication: 26 July 2021 (Online & Print) DOI: 10.11609/jott.2021.13.8.18959-19190

www.threatenedtaxa.org

Communications

Distribution and habitat preferences of the Chinese Pangolin *Manis pentadactyla* (Mammalia: Manidae) in the mid-hills of Nepal

– Suman Acharya, Hari Prasad Sharma, Rajeev Bhattarai, Beeju Poudyal, Sonia Sharma & Suraj Upadhaya, Pp. 18959–18966

On the occurrence of the Himalayan Wolf Canis lupus, L. 1758 (Mammalia: Carnivora: Canidae) in the Gaurishankar Conservation Area, Nepal; its existence confirmed through sign and visual evidence in Rolwaling Valley

– Bishnu Prasad Pandey, Shankar Man Thami, Rabin Shrestha & Mukesh Kumar Chalise, Pp. 18967–

Group size, crowding, and age class composition of the threatened Sambar *Rusa unicolor* (Kerr, 1792) (Mammalia: Cetartiodactyla: Cervidae) in the semi-arid regions of northeastern Rajasthan, India

– Deepak Rai & Kalpana, Pp. 18975–18985

Study on the impacts of LULC change on the wildlife habitat and the livelihood of people in and around Dampa Tiger Reserve, Mizoram, India

– Sushanto Gouda, Janmejay Sethy, Netrapal Singh Chauhan & Harendra Singh Bargali, Pp. 18986–18992

Characterisation of breeding habitat of Grizzled Giant Squirrel Ratufa macroura (Mammalia: Sciuridae) in Chinnar Wildlife Sanctuary, Western Ghats, India

- Kiran Thomas & P.O. Nameer, Pp. 18993-19001

Seasonal prey availability and diet composition of Lesser Asiatic Yellow House Bat Scotophilus kuhlii Leach, 1821

- Shani Kumar Bhartiy & Vadamalai Elangovan, Pp. 19002-19010

Bird composition, diversity and foraging guilds in agricultural landscapes: a case study from eastern Uttar Pradesh, India

– Yashmita-Ulman & Manoj Singh, Pp. 19011–19028

Identification of a unique barb from the dorsal body contour feathers of the Indian Pitta *Pitta brachyura* (Aves: Passeriformes: Pittidae)

– Prateek Dey, Swapna Devi Ray, Sanjeev Kumar Sharma, Padmanabhan Pramod & Ram Pratap Singh, Pp. 19029–19039

Moths of the superfamily Gelechioidea (Microlepidoptera) from the Western Ghats of India – Amit Katewa & Prakash Chand Pathania, Pp. 19040–19052

On the diversity and abundance of riparian odonate fauna (Insecta) of the midstream Chalakkudy River, Kerala, India

– C. Nitha Bose, C.F. Binoy & Francy K. Kakkassery, Pp. 19053–19059

Species diversity and abundance patterns of epiphytic orchids in Aralam Wildlife Sanctuary in Kerala, India

– Jis Sebastian, Durairaj Kathiresan & Giby Kuriakose, Pp. 19060–19069

Status and conservation needs of *Cycas pectinata* Buch.-Ham. in its natural habitat at Baroiyadhala National Park, Bangladesh

– M.K. Hossain, M.A. Hossain, S. Hossen, M.R. Rahman, M.I. Hossain, S.K. Nath & M.B.N. Siddiqui, Pp. 19070–19078

Review

Limitations of current knowledge about the ecology of Grey Foxes hamper conservation efforts

– Maximilian L. Allen, Alexandra C. Avrin, Morgan J. Farmer, Laura S. Whipple, Emmarie P. Alexander,
Alyson M. Cervantes & Javan M. Bauder, Pp. 19079–19092

Short Communications

On the freshwater fish fauna of Krishna River, Sangli District, Maharashtra, India

– Suresh M. Kumbar, Shrikant S. Jadhav, Swapnali B. Lad, Abhijit B. Ghadage, Satyawan S. Patil & C. Shiva Shankar, Pp. 19093–19101

Diversity and distribution of the large centipedes (Chilopoda: Scolopendromorpha) in the Phia Oac - Phia Den National Park, Vietnam

– Le Xuan Son, Nguyen Thi Tu Anh, Tran Thi Thanh Binh, Thu Anh T. Nguyen & Anh D. Nguyen, Pp. 19102–19107

Diversity of ants in Aarey Milk Colony, Mumbai, India

– Akshay Gawade & Amol P. Patwardhan, Pp. 19108–19117

First record of ghost shrimp *Corallianassa coutierei* (Nobili, 1904) (Decapoda: Axiidea: Callichiridae) from Indian waters

– Piyush Vadher, Hitesh Kardani, Prakash Bambhaniya & Imtiyaz Beleem, Pp. 19118–19124

A preliminary checklist of dragonflies and damselflies (Insecta: Odonata) of Vakkom Grama Panchayath. Thiruvanthapuram District. Kerala. India

- J. Arunima & P.O. Nameer, Pp. 19125-19136

Diversity pattern of butterfly communities (Lepidoptera) in different habitat types of Nahan, Himachal Pradesh, India

– Suveena Thakur, Suneet Bahrdwaj & Amar Paul Singh, Pp. 19137–19143

Descriptions of the early stages of *Vagrans egista sinha* (Lepidoptera: Nymphalidae) with notes on its host plant *Xylosma longifolia* Clos from the western Himalaya of India

- Pranav Gokhale & M.A. Yathumon, Pp. 19144-19148

Notes

First photographic record of Mishmi Takin *Budorcus taxicolor taxicolor* and Red Goral *Nemorhaedus baileyi* from Kamlang Tiger Reserve, Arunachal Pradesh, India

- Cheshta Singh & Deepti Gupta, Pp. 19149-19152

Utilisation of honey trap method to ensnare a dispersing sub-adult Bengal Tiger *Panthera tigris tigris* L. in a human dominated landscape

– Gobind Sagar Bhardwaj, Balaji Kari & Arvind Mathur, Pp. 19153–19155

First camera trap photographs of Indian Pangolin *Manis crassicaudata* (Mammalia: Pholidota: Manidae) from Pakistan

 Misbah Bint Riaz, Faraz Akrim, Siddiqa Qasim, Syed Afaq Bukhari, Asad Aslam, Muhammad Waseem, Rizwana Imtiaz & Tariq Mahmood, Pp. 19156–19158

Photographic record of Lesser Flamingo *Phoeniconaias minor* (Aves: Phoenicopteridae) in Ramganga river, Bareilly, India

– Pichaimuthu Gangaiamaran, Aftab A. Usmani, G.V. Gopi, S.A. Hussain & Khursid A. Khan, Pp. 19159–19161

Total length and head length relationship in Mugger Crocodiles Crocodylus palustris (Reptilia: Crocodylia: Crocodylidae) in Iran

– Asghar Mobaraki, Elham Abtin, Malihe Erfani & Colin Stevenson, Pp. 19162–19164

First record of the hoverfly genus *Spilomyia* Meigen (Diptera: Syrphidae) for Pakistan – Muhammad Asghar Hassan, Imran Bodlah, Riaz Hussain, Azan Karam, Fazlullah & Azaz Ahmad, Pp. 19165–19167

Rediscovery of Watson's Demon *Stimula swinhoei* (Elwes & Edwards, 1897) (Lepidoptera: Hesperiidae: Hesperiinae) in Meghalaya, India after 60 years

– Suman Bhowmik & Atanu Bora. Pp. 19168–19170

A record of *Ourapteryx dierli* Inoue, 1994 (Lepidoptera: Geometridae: Ennominae) from the Garhwal Himalaya, India

– Arun P. Singh & Lekhendra, Pp. 19171–19172

Report of *Bradinopyga konkanensis* Joshi & Sawant, 2020 (Insecta: Odonata) from Kerala, India – Muhammed Haneef, B. Raju Stiven Crasta & A. Vivek Chandran, Pp. 19173–19176

A new distribution record of *Bianor angulosus* (Karsch, 1879) (Araneae: Salticidae) from Kerala, India

– Nishi Babu, John T.D. Caleb & G. Prasad, Pp. 19177–19180

Notes on lectotypification of the Assam Ironwood *Mesua assamica* (King & Prain) Kosterm. (Calophyllaceae)

– Prantik Sharma Baruah, Sachin Kumar Borthakur & Bhaben Tanti, Pp. 19181–19184

On the rediscovery of a rare root parasite ${\it Gleadovia\ ruborum\ Gamble\ \&\ Prain\ (Orobanchaceae)}$ from Uttarakhand, western Himalaya, India

- Amit Kumar, Navendu V. Page, Bhupendra S. Adhikari, Manoj V. Nair & Gopal S. Rawat, Pp. 19185–19188

Occurrence of vivipary in *Ophiorrhiza rugosa* Wall. (Rubiaceae)

– Birina Bhuyan & Sanjib Baruah, Pp. 19189–19190

Publisher & Host

