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No. 12, Thiruvannamalai Nagar, Saravanampatti - Kalapatti Road, Saravanampatti,
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Ph: +91 9385339863 | www.threatenedtaxa.org
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Caption: Large Indian Civet *Viverra zibetha*, Tricoloured Munia *Lonchura malacca* and *Hoya wightii* (Medium—pencil crayon on watercolour paper) © Supriya Samanta.

Chaturvedi 1999; Nair 2001; Sharma & Chaturvedi 2005; Chowdhury & Soren 2011). The diagram was accordingly presented in the paper which was somehow not considered in the thesis and therefore should not be considered as tampered. It may be noted that many other views of reviewers are also incorporated in the paper in general to further bring new ideas. Figure 2 shows data in a graphical mode with species name only whereas Table 2 represents numerical data which is not reflected in Figure 2 and therefore should not be seen as duplication. Generalist and specialist butterflies name have not been included in the paper as the scope of the paper is always limited in any journal. It is not written anywhere in the paper that species found in flowerbeds and grass are specialist so should not be seen as misinterpretation of data. The actual percent overlapping among various habitats are clearly mentioned in Table 2. The independent sharing was calculated for overlapping of different habitats in terms of species shared and it was not calculated for the species. The percentage sharing of habitats (Table 2) between artificial light and Hedges/crops/bushes was 2.5%. Coincidentally, *Melanitis leda* was the only butterfly species found in the artificial light during the study, Similar kind of sharing was shown by other habitats too like between trees and Hedges/crops/bushes for *Colotis fausta*.

4. The raw data were reanalysed to discuss the effectiveness of habitat heterogeneity for conservation of butterfly species in urban landscape. Das & Singh (2021) were right that in the thesis the preference of habitat was discussed in terms of number of sightings but in the paper the authors have discussed the diversity of butterfly species, i.e., number of species which was considered as new idea. The flowerbeds were absent in the randomly transect laid in Northern Ridge and discussion was based on results only. Das & Singh (2021) may be right in saying that flowerbeds must be present in Northern Ridge.

COVID 19 statement should not be considered as mere speculation but may be seen as increasing the scope of study in urban centres for butterflies as have been published for other faunal species (Rutz et al. 2020; Gilby et al. 2021) during lockdown.

5. The first author sincerely apologizes to her supervisor and co-supervisor for not bringing the manuscript to their knowledge before publication. She had some hearing mistake while having verbal discussion with her Ph.D. supervisor to publish the research papers

without their names in the authorship. However, the first author thoroughly acknowledged everyone (including both of her supervisors) who so ever helped her during her Ph.D. work in her thesis. It happened unintentionally and first author sincerely apologizes for her mistake. The co-author of the original paper provided all technical contribution to the paper for publication and therefore became co-author as per the desire of the first author.

In the light of the above facts and circumstances these issues should be closed with learning for the co-author to think before extending any support and help to students to avoid such unnecessary controversies.

References

- Chowdhury, S. & R. Soren (2011). Light attracted butterflies: a review from the Indian sub-region with an inventory from West Bengal, India. *Journal of Threatened Taxa* 3(6): 1868–1871.
- Das, S.K. & R. Singh (2021). If habitat heterogeneity is effective for conservation of butterflies in urban landscapes of Delhi, India? Unethical publication based on data manipulation. *Journal of Threatened Taxa* 13(13): 20140–20142. <https://doi.org/10.11609/jott.7673.13.13.20140-20142>
- Donahue, J.P. (1962). Observations and records of butterflies attracted to light in India. *Journal of the Lepidopterists' Society* 16(12): 131–135.
- Gilby, L.B., C.J. Henderson, A.D. Olds, J.A. Ballantyne, E.L. Bingham, B.B. Elliot, T.R. Jones, O. Kimber, J.D. Mosman & T.A. Schlacher (2021). Potentially negative ecological consequences of animal redistribution on beaches during COVID-19 lockdown. *Biological Conservation* 253: 108926. <https://doi.org/10.1016/j.biocon.2020.108926>
- Nair, V.P. (2001). Butterflies attracted to light at Aralam Wildlife Sanctuary, Kerala. *Zoos' Print Journal* 16(12): 670.
- Paul, M. & A. Sultana (2020). Studies on butterfly (Insecta: Lepidoptera) diversity across different urban landscapes of Delhi, India. *Current Science* 118(5): 819–827.
- Paul, M. (2019). Studies on Biotic Interactions of Lepidoptera in Urban Landscapes of National Capital Territory, Delhi. PhD Thesis. Submitted to Guru Gobind Singh Indraprastha University.
- Rutz, C., M.C. Loretto, A.E. Bates, S.C. Davidson, C.M. Duarte, W. Jetz, M. Johnson, A. Kato, R. Kays, T. Mueller, R.B. Primack, Y. Ropert-Coudert, M.A. Tucker, M. Wikelski & F. Cagnacci (2020). COVID-19 lockdown allows researchers to quantify the effects of human activity on wildlife. *Nature Ecology and Evolution* 4: 1156–1159. <https://doi.org/10.1038/s41559-020-1237-z>
- Sharma, R.M. & N. Chaturvedi (1999). Black Rajah *Charaxes fabius* attracted to light at Tadoba National Park. *Journal of the Bombay Natural History Society* 96(1): 168–169.
- Sharma, R.M. & N. Chaturvedi (2005). Additions to the light attracted butterflies. *Journal of the Bombay Natural History Society* 102(1): 129.
- Shull, E.M. & N.T. Nadkerny (1967). Insects attracted to mercury vapour lamp in the Surat Dangs, Gujarat State. *Journal of the Bombay Natural History Society* 64(2): 256–266.
- Shull, E.M. (1964). Butterflies attracted to light in Gujarat State, India. *Journal of the Lepidopterists' Society* 18(30): 159–163.
- Usman, S. (1956). Some insects attracted to light- Part III. *Journal of the Bombay Natural History Society* 53(3): 482–484.



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Communications

Updated distribution of seven *Trichosanthes* L. (Cucurbitales: Cucurbitaceae) taxa in India, along with taxonomic notes

Kanakasabapathi Pradheep, Soyimchiten, Ganjalagatta Dasaiah Harish, Muhammed Abdul Nizar, Kailash Chandra Bhatt, Anjula Pandey & Sudhir Pal Ahlawat, Pp. 20143–20152

Dragonflies and Damselflies (Insecta: Odonata) of Aryanad Grama Panchayat, Kerala, India

– Reji Chandran & A. Vivek Chandran, Pp. 20153–20166

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– Jawan Tumbahangfe, Jash Hang Limbu, Archana Prasad, Bharrat Raj Subba & Dil Kumar Limbu, Pp. 20190–20200

Observations on the foraging behavior of Tricoloured Munia *Lonchura malacca* (Linnaeus, 1766) and its interaction with pearl millet fields in Villupuram District, Tamil Nadu, India

– M. Pandian, Pp. 20201–20208

Roosting patterns of House Sparrow *Passer domesticus* Linn., 1758 (Aves: Passeridae) in Bhavnagar, Gujarat, India

– Foram P. Patel & Pravinsang P. Dodia, Pp. 20209–20217

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View Point

Wildlife managers ignore previous knowledge at great risk: the case of Rivaldo, the iconic wild Asian Elephant *Elephas maximus* L. of the Sigur Region, Nilgiri Biosphere Reserve, India

– Jean-Philippe Puyravaud & Priya Davidar, Pp. 20249–20252

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