

DISCOVERING THE UNDISCOVERED:

THE STORY OF SERICINI

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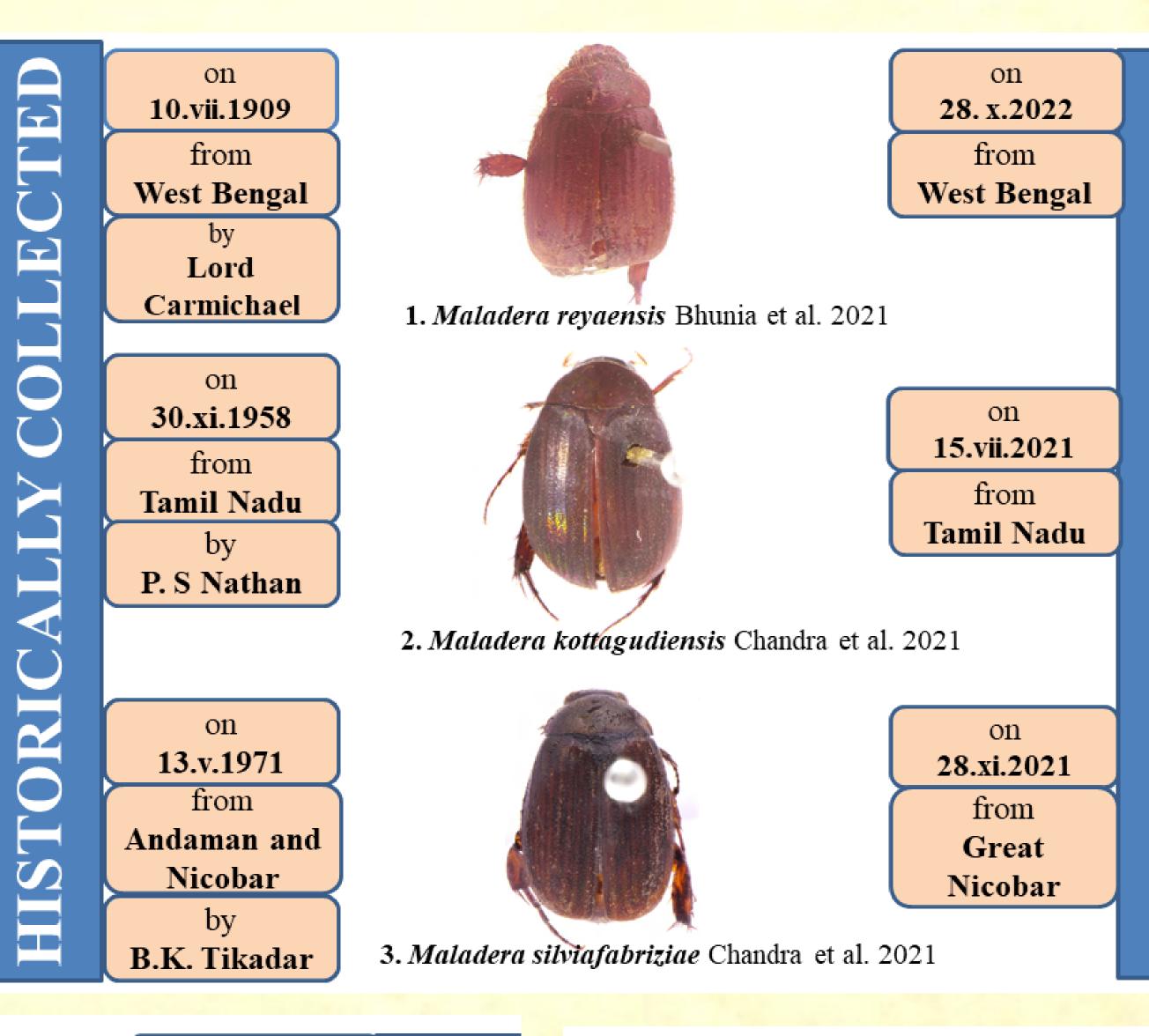
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BACKGROUND

- Museum specimens serve as the bedrock of systematic and taxonomic researches and also evidence for changing species patterns in climate change.
- Zoological Survey of India, Kolkata (ZSI) since its inception has been the largest repository of insect specimens in India.
- instance, in the tribe Sericini (Coleoptera: Scarabaeidae) large number of specimens have been preserved in the museum of ZSI but unfortunately a large fraction of specimens are unscrutinized until now.
- ⇒ As of now, 682 species of Sericini are known from India (Ahrens & Fabrizi 2016; Chandra et al. 2021; Bhunia et al. 2021, 2022) which is roughly comprise 16 % of worldwide reported species of Sericini.
- Fragmented reports of Sericini are mainly from "The Himalayas" and "The Deccan Peninsular" regions.



MATERIALS & METHODS

Preservation





ZOOTAXA

Identification and **Photography**



Publish Research Article

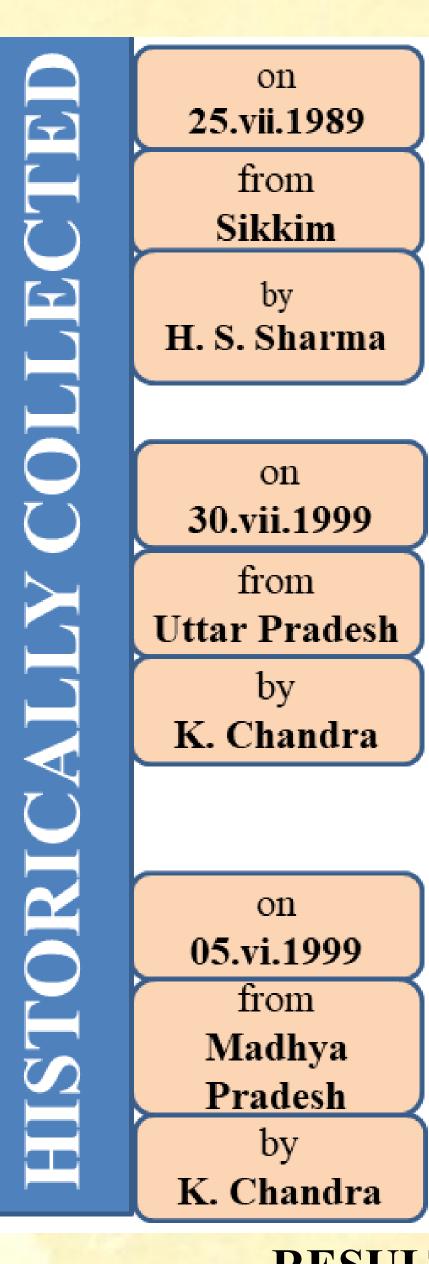
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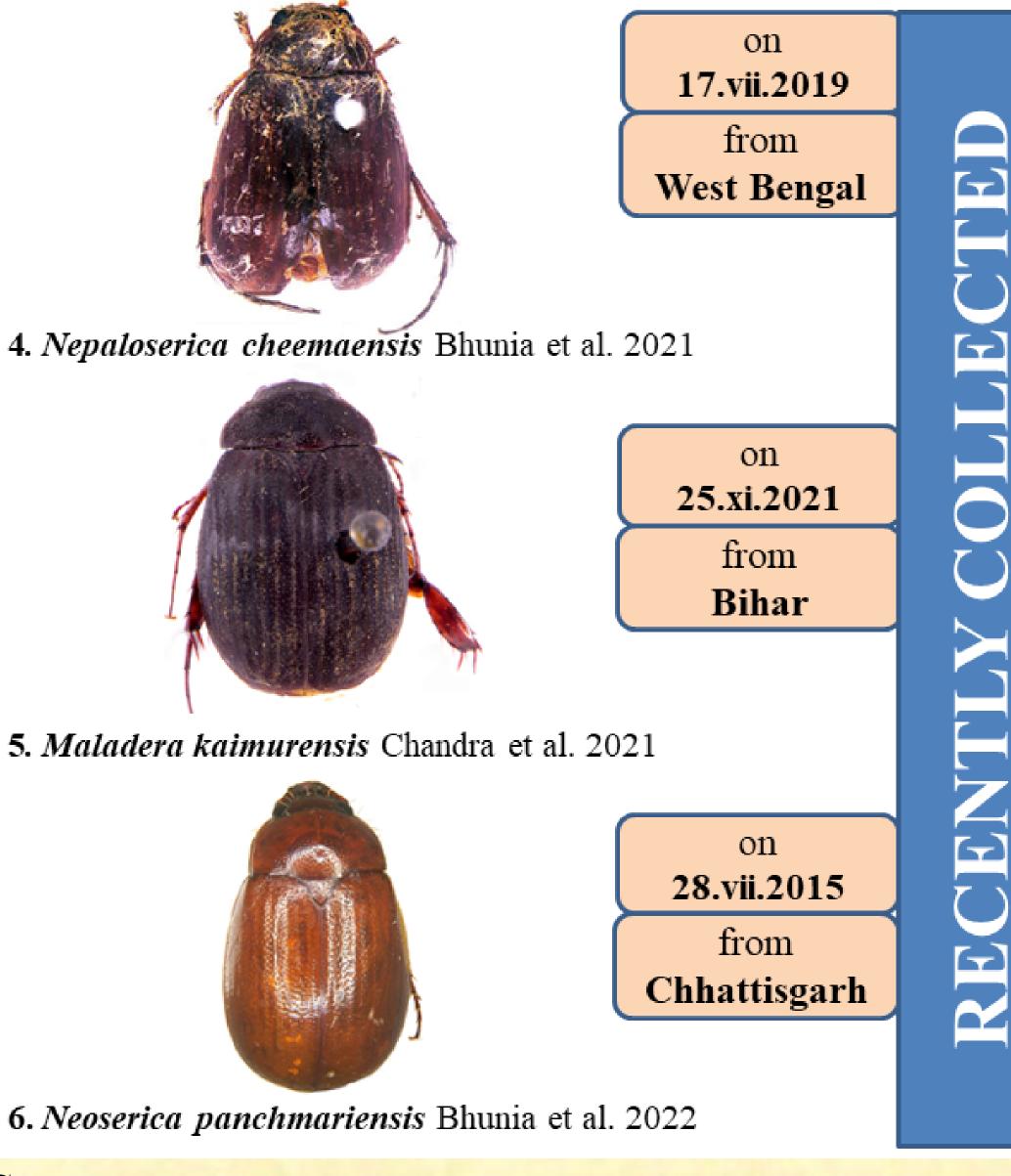
Zoologisches Forschungsmuseum Alexander Koenig Bonn, Adenaueraliee 127, 53113 Bonn, Germany.
 ahrens.dirk_col@gmx.de, ⊚ https://orcid.org/0000-0003-3524-7153 Here we describe two new species from India: Neoserica panchmariensis Bhunia, Gupta, Chandra & Ahrens, new specie and N. debasriae Bhunia, Gupta, Chandra & Ahrens, new species. Moreover, Maladera pseudohongkongica Ahrens &

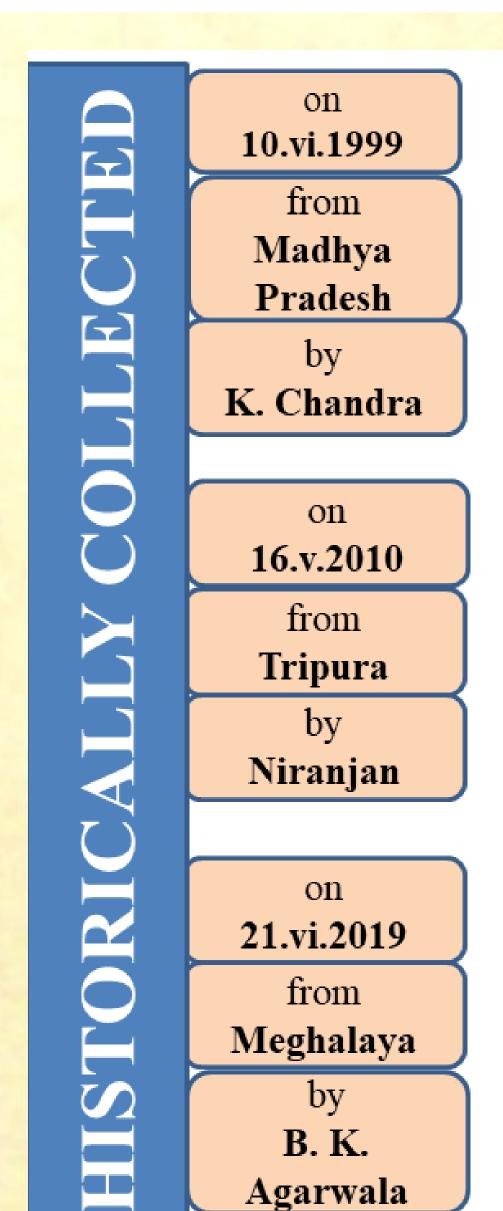
Fabrizi, 2016 is recorded from Jharkhand state of India for the first time. Species morphology is described and illustrate

on

distribution of nearly 4,600 described species globally (Ahrens & Fabrizi 2016). A recent series of publications (Ahrens & Fabrizi 2016; Sreedevi et al. 2018, 2019; Chandra et al. 2021; Bhunia et al. 2021) on the tribe's species from India filled some unknown spots of distribution by adding new species and by updating distributional data. So







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Neoserica debasriae Bhunia et al. 2022 Maladera tripuraensis Chandra et al. 2021

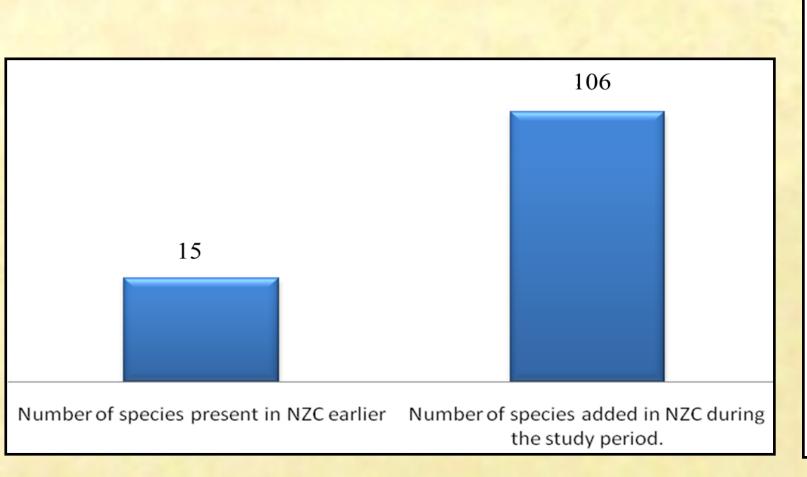
11.x.2017 from Madhya Pradesh not yet recieved not yet

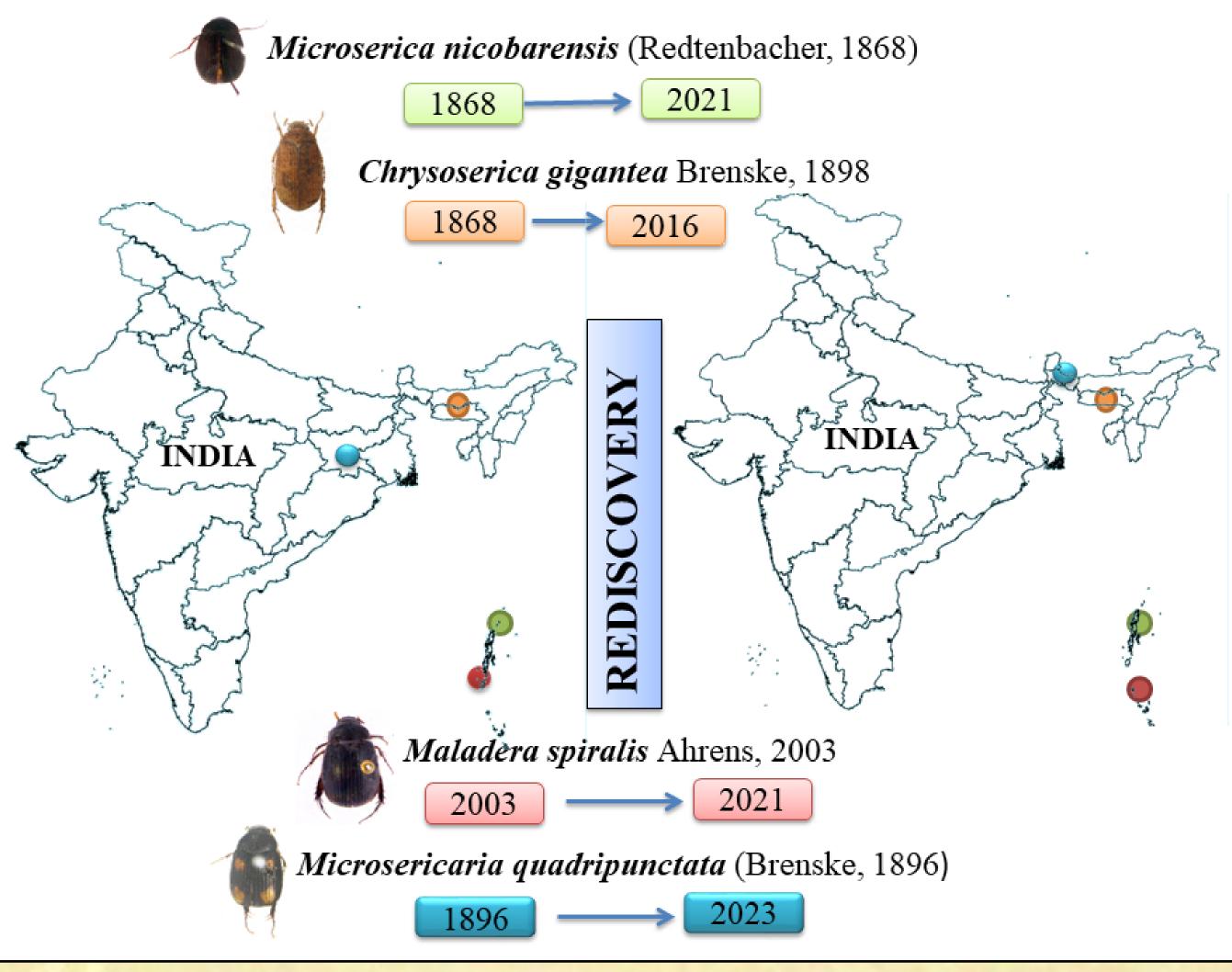
recieved

Lepidoserica barapaniensis Chandra et al. 2021

RESULTS

- . We identified a total of 135 species from nearly 100 years old unidentified collections.
- . The collection yielded nine new species (Chandra et al. 2021; Bhunia et al. 2021, 2022).
- . Almost 100 years after, we have re-described four species (Bhunia et al. 2021)
- . We augmented 106 species to ZSI and updated distributional range of many species, which are new records to different states of India.





FUTURE GOALS

- To fill the spatial and temporal gap in sampling effort of this tribe by identification and distributional mapping.
- Digitization & Barcoding.
- Involving more expertise to explore the diversity of this mega insect group.

ACKNOWLEDGEMENTS

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