



## A comprehensive checklist and geographic distribution of Tortoise beetles (Coleoptera, Chrysomelidae: Cassidinae) in India

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**ABSTRACT.** Based on a comprehensive review of existing literature and examining the specimens, including 11 types that were housed in the Coleoptera Section of the Zoological Survey of India, Kolkata, 154 species of tortoise beetles (Coleoptera: Chrysomelidae: Cassidinae) from India are identified. This represents approximately 5.4% of the species diversity of the known tortoise beetles. Photographs of the examined specimens (including type specimens) are also provided. The details of the distribution of all the species across Indian states (including districts and micro-locations) and biogeographic zones are presented. Studying the distribution data of the species reveals that the Western Ghats harbours the highest number of tortoise beetle species (84), followed by the Northeast (58), Deccan Peninsula (51), Himalayas (49), Gangetic plains (34), Islands (12), and Semi-Arid regions (12).

**Keywords:** Biogeography, diversity, fauna, taxonomy, type specimens

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### INTRODUCTION

The Cassidinae subfamily, encompassing tortoise beetles and leaf-mining beetles, is a remarkably diverse and fascinating group within the Chrysomelidae family. Known for their unique ability to retract their legs and antennae beneath their arched, protective elytra, resembling a turtle's shell, tortoise beetles are found worldwide, with the highest diversity concentrated in tropical and subtropical regions (Borowiec & Moragues, 2005). The first global catalogue of Cassidinae was published by Austrian entomologist Franz Spaeth in 1914, listing 69 species from India. Subsequent efforts by Borowiec (1999) expanded this catalog to include 2,760 species, classified under 12 tribes and 159 genera. Borowiec's catalogue provides

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comprehensive information for each species, including valid names, synonyms, bibliographic data, type locality, type depositories, distribution, and global range. To date, approximately 3,032 species in 160 genera have been described worldwide (Borowiec, 1999; Borowiec & Świętojańska, 2024).

Maulik's (1919) compilation of the Fauna of British India, including Ceylon (now Sri Lanka) and Burma (now Myanmar), remains the foundational reference for identifying Indian tortoise beetles, listing 152 species in 16 genera. While many genera have since been revised, information on the distribution and diversity of Indian tortoise beetles remains fragmented. A consolidated catalogue or checklist for Indian Cassidinae is currently lacking. This study aims to address this gap by compiling distribution records of Indian Cassidinae, including an inventory of their occurrence by state and biogeographical zone. We examined 49 species, including 11 type specimens, preserved at the Zoological Survey of India, Kolkata, and provided accompanying photographs. The article also highlights areas where further faunistic surveys and research are necessary to comprehensively understand the diversity of Cassidinae in India.

## MATERIAL AND METHODS

This checklist is based on a comprehensive review of published literature and tortoise beetle (Cassidinae) specimens housed in the National Zoological Collection of the Zoological Survey of India, Kolkata. Genera and species are listed alphabetically within their respective tribes. For each species, the following information is provided: valid name, junior synonyms, published Indian records (including state, district, and micro-location), relevant references, and global distribution. The checklist primarily adheres to the classification, nomenclature, and global distribution outlined by Borowiec (1999) and Borowiec and Świętojańska (2024). The boundaries of Indian states and union territories are depicted in Figure 1. The specimen registration numbers are provided for the studied specimens, which are housed in the Coleoptera Section of the Zoological Survey of India, Kolkata. We largely follow the approach of Rodgers et al. (2002) on the biogeographic classification of India, which divides the country into the following ten biogeographic zones: the Trans-Himalaya, the Himalaya, the Desert, the Semi-Arid region, the Gangetic Plains, the Deccan Peninsula, the Western Ghats, the Northeast, the Islands, and the Coasts (Fig. 2). In cases where cited references lack precise location data, "India" is used without specifying a specific location. The photographs of type specimens are shown in Figs 9, and 10, while the remaining photographs are shown in Figs 3–8.

## RESULTS

### *Taxonomic hierarchy*

**Family Chrysomelidae Latreille, 1802**

**Subfamily Cassidinae Gyllenhal, 1813**

**Tribe Notosacanthini Gressitt, 1952**

**Genus *Notosacantha* Chevrolat, 1836**

***Notosacantha andrewesi* (Weise, 1905)**

*Hoplionota andrewesi* Weise, 1905:122. *Hoplionota nilgirica* Spaeth, 1914c:517.

***Distribution in India.*** Tamil Nadu (Nilgiri Hills – Spaeth, 1914c; Maulik, 1919; Borowiec & Le Tirant, 2013).

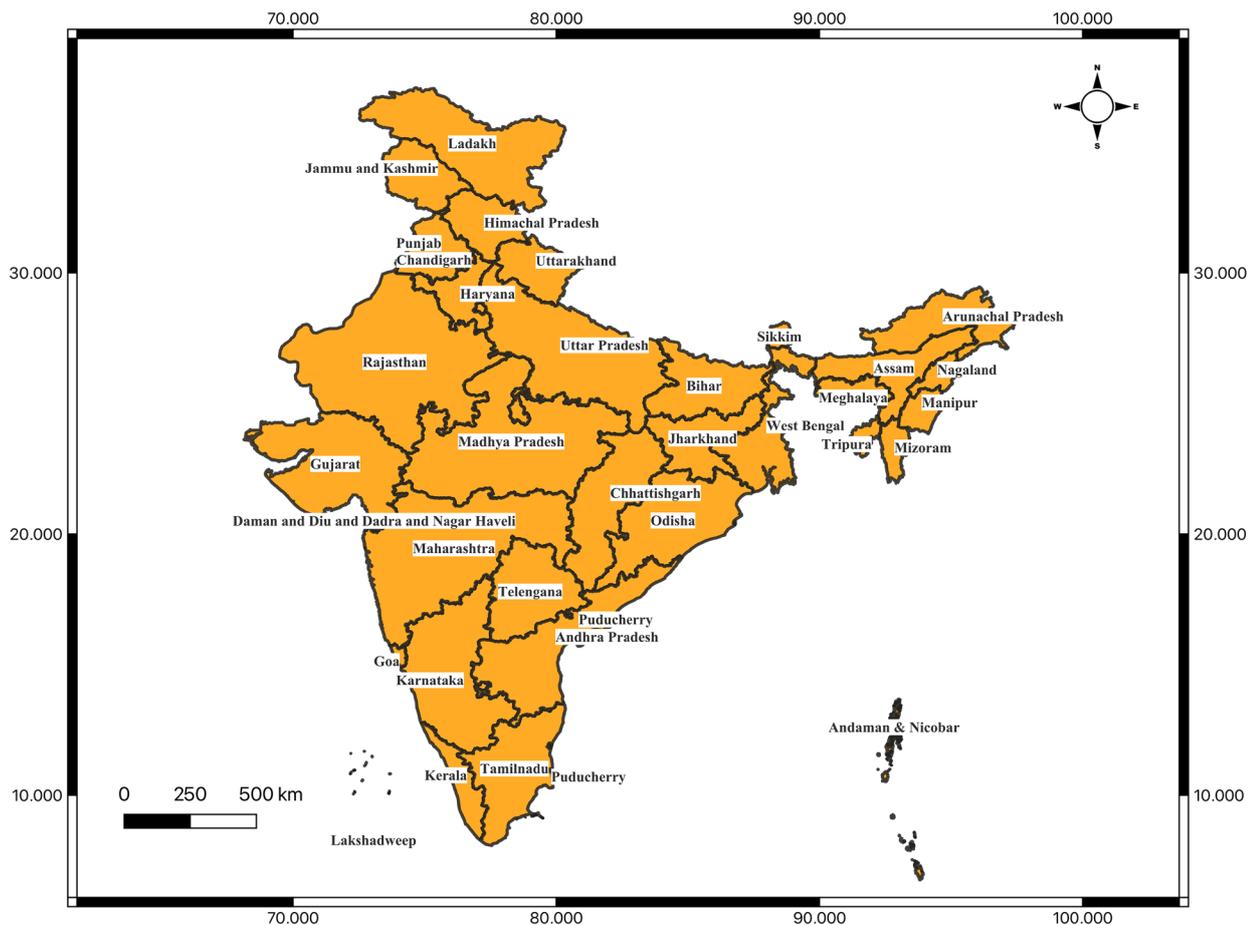
***General distribution.*** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Notosacantha bertounesquei* Borowiec & Le Tirant, 2013**

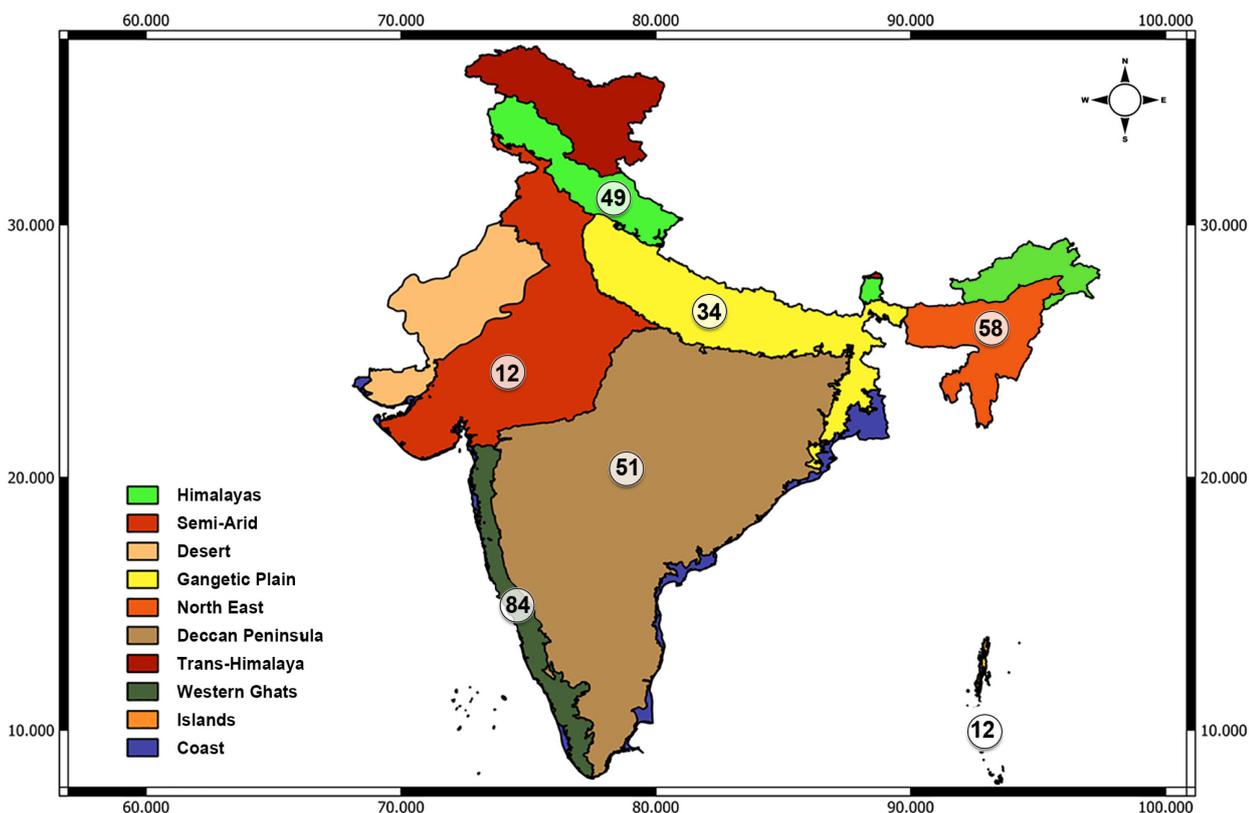
*Notosacantha bertounesquei* Borowiec & Le Tirant, 2013:289.

***Distribution in India.*** Kerala (Cardamom Hills, Ponmudi, Silent Valley National Park, Sirendri-Nilikkal, and Arippa – Borowiec & Le Tirant, 2013).

***General distribution.*** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).



**Figure 1.** Map of India showing boundaries of states and union territories.



**Figure 2.** Map of biogeographic zones of India, showing the number of species of tortoise beetles.

***Notosacantha bifenestrella* (Boheman, 1862)**

*Hoplionota bifenestrella* Boheman, 1862:10.

**Distribution in India.** Karnataka ("North Kanara" Uttar Kannada – Maulik, 1919).

**General distribution.** Oriental (India, Sri Lanka) (Borowiec, 1999; Borowiec & Świętojańska, 2024).

***Notosacantha castanea* (Spaeth, 1913)**

*Hoplionota castanea* Spaeth, 1913a:507.

**Distribution in India.** Meghalaya (Tura – Borowiec, 2009).

**General distribution.** Oriental (India, Laos, Thailand, Vietnam) and Palaearctic (China, Taiwan) (Borowiec, 2009; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Notosacantha chandrapurensis* Świętojańska, Ghate & Marathe, 2001**

*Notosacantha chandrapurensis* Świętojańska, Ghate & Marathe, 2001:489.

**Distribution in India.** Maharashtra (Chandrapur, Tadoba Tiger Reserve: Świętojańska et al., 2001).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Notosacantha cherrapunjiensis* Sekerka, 2008**

*Notosacantha cherrapunjiensis* Sekerka, 2008:57.

**Distribution in India.** Meghalaya (Cherrapunjee: Sekerka, 2008).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Notosacantha circumdata* (Wagner, 1881) (Fig. 3A)**

*Hoplionota circumdata* Wagner, 1881:24.

**Material examined.** 2 specimens without specific locality data attached. [The data label is lost]

**Distribution in India.** India (Spaeth, 1914c; Maulik, 1919).

**General distribution.** Oriental (Myanmar, India, Indonesia, Malaysia, Thailand) (Chen et al., 1986; Borowiec, 1999; Borowiec & Świętojańska, 2024).

***Notosacantha clura* (Spaeth, 1913a)**

*Hoplionota clura* Spaeth, 1913a:511.

**Distribution in India.** Tamil Nadu (Nilgiri-Hills: Spaeth, 1914c; Maulik, 1919; Borowiec, 1999; Borowiec & Le Tirant, 2013).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Notosacantha corneola* (Spaeth, 1913)**

*Hoplionota corneola* Spaeth, 1913a:516.

**Distribution in India.** Tamil Nadu (Nilgiri-Hills: Spaeth, 1914c; Maulik, 1919; Borowiec, 1999, 2001; Borowiec & Le Tirant, 2013).

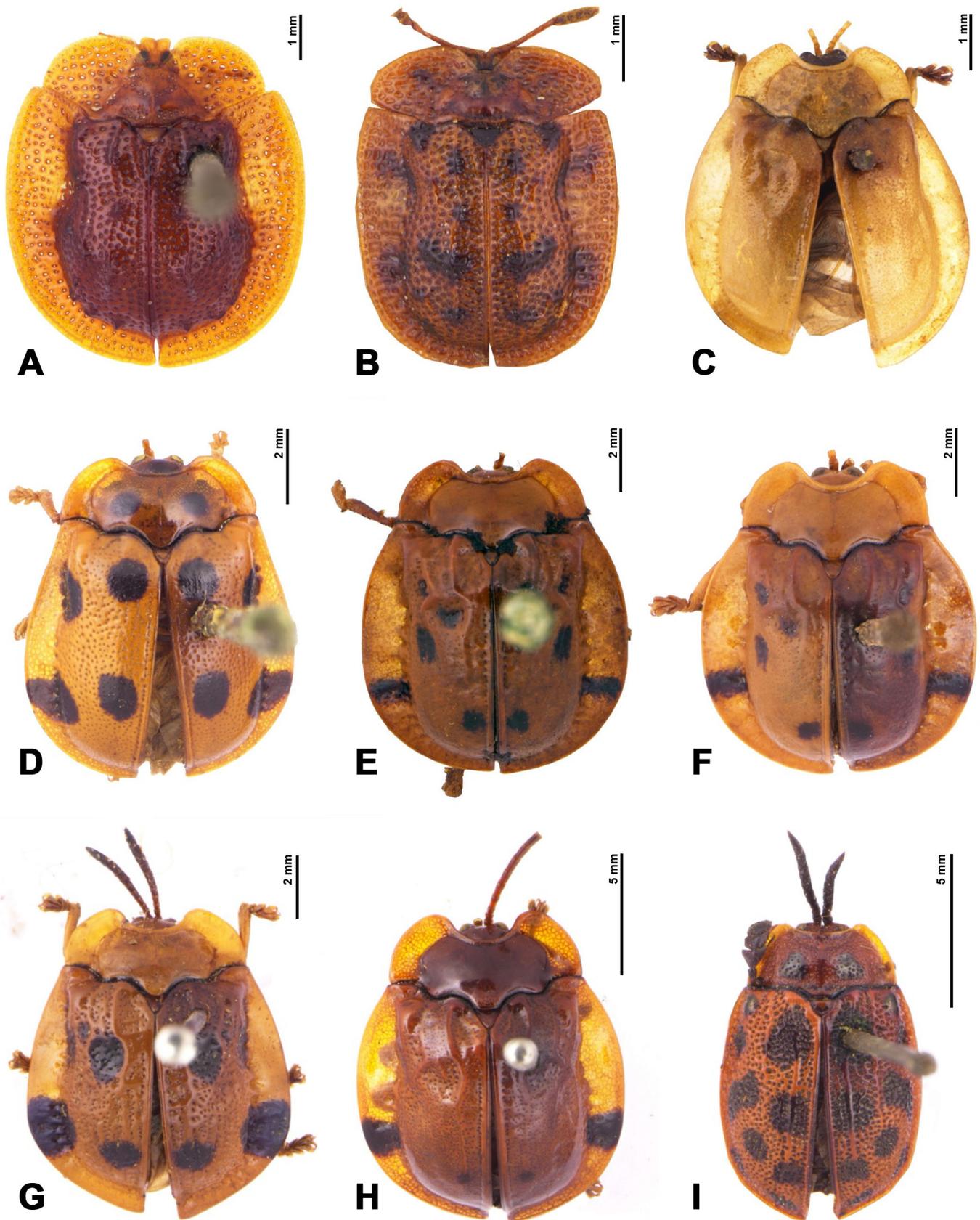
**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Notosacantha darjeelingensis* Borowiec & Takizawa, 1991**

*Notosacantha darjeelingensis* Borowiec & Takizawa, 1991:646.

**Distribution in India.** West Bengal (Bhalukhop, Darjeeling: Borowiec & Takizawa, 1991).

**General distribution.** Palaearctic (endemic to India) (Borowiec, 1999; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).



**Figure 3.** Habitus of the tortoise beetles. **A.** *Notosacantha circumdata* (Wagener, 1881); **B.** *Notosacantha maculipennis* (Boheman, 1856); **C.** *Basiprionota bimaculata* (Thunberg, 1789); **D.** *Basiprionota decemmaculata* (Boheman, 1850); **E-F.** *Basiprionota multiplagiata* (Wagener, 1881); **G.** *Basiprionota sexmaculata* (Boheman, 1850); **H.** *Basiprionota westermanni* (Mannerheim, 1844); **I.** *Epistictina viridimaculata* (Boheman, 1850).

***Notosacantha dembickyi* Sekerka, 2008**

*Notosacantha dembickyi* Sekerka, 2008:59.

**Distribution in India.** Meghalaya (Cherrapunjee – Sekerka, 2008).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Notosacantha dohertyi* (Spaeth, 1913)**

*Hoplionota dohertyi* Spaeth, 1913a:488.

**Distribution in India.** Assam (Sadiya – Spaeth, 1914c; Maulik, 1919).

**General distribution.** Oriental (endemic to India) (Borowiec, 1999; Borowiec & Świętojańska, 2024).

***Notosacantha duvivieri* (Spaeth, 1913)**

*Hoplionota duvivieri* Spaeth, 1913a:506.

**Distribution in India.** Jharkhand (Konbir – Spaeth, 1914c; Maulik, 1919; Borowiec, 1999).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Notosacantha flavicornis* (Spaeth, 1913)**

*Hoplionota flavicornis* Spaeth, 1913a:520.

**Distribution in India.** No exact locality (Spaeth, 1914c; Maulik, 1919).

**General distribution.** Oriental (India, Indonesia) (Borowiec, 1999; Borowiec & Świętojańska, 2024).

***Notosacantha horrifica* (Boheman, 1856)**

*Hoplionota horrifica* Boheman, 1856:5.

**Distribution in India.** Tamil Nadu (Nilgiri Hills, “Madras” Chennai – Maulik, 1919; Borowiec & Le Tirant, 2013).

**General distribution.** Oriental (India, Philippines, Sri Lanka) and Palaearctic (China) (Borowiec, 1999; Borowiec & Świętojańska, 2024).

***Notosacantha indicola* (Spaeth, 1933)**

*Hoplionota indicola* Spaeth, 1933b:125.

**Distribution in India.** Tamil Nadu (North Salem – Borowiec, 1999; Borowiec & Le Tirant, 2013).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Notosacantha jammuensis* Borowiec & Takizawa, 1991**

*Notosacantha jammuensis* Borowiec & Takizawa, 1991:647.

**Distribution in India.** Jammu & Kashmir (Jammu – Borowiec & Takizawa, 1991).

**General distribution.** Palaearctic (endemic to India) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Notosacantha lenta* (Spaeth, 1913)**

*Hoplionota lenta* Spaeth, 1913a:519.

**Distribution in India.** Arunachal Pradesh (Dirang: Borowiec, 2009; Sekerka & Świętojańska, 2024); Puducherry (Maulik, 1919); Tamil Nadu (Madura, Shenbaganur – Spaeth, 1914c; Maulik, 1919).

**General distribution.** Oriental and Palaearctic (endemic to India) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Notosacantha maculipennis* (Boheman, 1856) (Fig. 3B)**

*Hoplionota maculipennis* Boheman, 1856:5.

**Material examined.** 2 specimens without specific locality data attached. [The data label is lost]

**Distribution in India.** Arunachal Pradesh (Sekerka & Świętojańska, 2024); Meghalaya (Shillong, Cherrapunjee, Mawphlang, East Khasi Hills, Jowai – Kimoto, 1981; Basu, 2000a; Borowiec, 2001, 2009); Sikkim (Kimoto, 1981); Uttarakhand (Ranikhet, Almora, Dehradun, Bhimtal – Maulik, 1919; Kimoto, 1981); West Bengal (Derjeeling, Kalimpong, Rumble, Bhalukhop – Kimoto, 1981; Borowiec, 1990).

**General distribution.** Oriental (India, Myanmar) and Palaearctic (Bhutan, India, Nepal, Pakistan) (Borowiec, 1999; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Notosacantha maduraensis* Świętojańska, 2006**

*Notosacantha maduraensis* Świętojańska, 2006:122.

**Distribution in India.** Kerala (Eravikulam) and Tamil Nadu (Madurai – Świętojańska, 2006; Borowiec & Le Tirant, 2013).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Notosacantha nathani* Borowiec & Takizawa, 1991**

*Notosacantha nathani* Borowiec & Takizawa, 1991:649.

**Distribution in India.** Karnataka (Coorg, Mysore) and Kerala (Thekkady) (Borowiec & Takizawa, 1991; Borowiec, 1999, 2001; Borowiec & Le Tirant, 2013).

**General distribution.** Oriental (endemic to India) (Borowiec, 1999; Borowiec & Świętojańska, 2024).

***Notosacantha ochroleuca* (Boheman, 1850)**

*Hoplionota ochroleuca* Boheman, 1850:38.

**Distribution in India.** India (Spaeth, 1914c; Maulik, 1919).

**General distribution.** Oriental (endemic to India) (Borowiec, 1999; Borowiec & Świętojańska, 2024).

***Notosacantha prominens* (Spaeth, 1913a)**

*Hoplionota prominens* Spaeth, 1913a:486.

**Distribution in India.** Andaman & Nicobar Islands (Andaman Islands – Spaeth, 1913a, 1914c; Maulik, 1919; Borowiec, 1999).

**General distribution.** Oriental (endemic to India) (Borowiec, 1999; Borowiec & Świętojańska, 2024).

***Notosacantha severini* (Spaeth, 1913)**

*Hoplionota severini* Spaeth, 1913a:503.

**Distribution in India.** India (Spaeth, 1913a, 1914c; Maulik, 1919); Karnataka (Mysore, Shimoga, Agumbe Ghat – Borowiec & Takizawa, 1991; Borowiec, 2001); Maharashtra (Pune – Ghate et al., 2003); Meghalaya (Nokrek National Park – Borowiec, 2001).

**General distribution.** Oriental (India, Thailand) (Borowiec, 1999; Borowiec & Le Tirant, 2013; Borowiec & Świętojańska, 2024).

***Notosacantha tenella* (Spaeth, 1913)**

*Hoplionota tenella* Spaeth, 1913a:512. *Notosacantha nilgiriensis* Borowiec & Takizawa, 1991:652.

**Distribution in India.** Chhattisgarh (Kalaichelavan & Verma, 2005); Kerala (Kallar Valley, Silent Valley National Park, Punnamala, Eravikulam National Park – Borowiec, 2001); Punjab (Chandigarh – Pajni & Bansal, 1977; Gupta et al., 2019); Tamil Nadu (Nilgiri Hills, Kotagiri – Spaeth, 1914c; Maulik, 1919; Borowiec & Takizawa, 1991; Borowiec, 1999).

**General distribution.** Oriental (India, Malaysia) (Borowiec & Le Tirant, 2013; Borowiec & Świętojańska, 2024).

***Notosacantha tenuicula* (Spaeth, 1913)**

*Hoplionota tenuicula* Spaeth, 1913a:505. *Notosacantha nepalensis* Borowiec & Takizawa, 1991:650.

**Distribution in India.** Assam (Sadiya – Spaeth, 1914c; Maulik, 1919), Maharashtra (Khandala “Bombay” – Spaeth, 1914c; Maulik, 1919); Meghalaya (Cherrapunjee – Kimoto, 1981; Basu, 2000a); Sikkim (Gezing – Borowiec, 2001); West Bengal (Darjeeling – Spaeth, 1913a, 1914c; Maulik, 1919).

**General distribution.** Oriental (India) and Palaeartic (China, India, Nepal) (Borowiec, 1999; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Notosacantha vicaria* (Spaeth, 1913)**

*Hoplionota vicaria* Spaeth, 1913a:490.

**Distribution in India.** India (Spaeth, 1914c); Andaman & Nicobar Islands (Andaman Islands – Maulik, 1919); Karnataka (Mysore, Coorg – Borowiec, 2001, 2009); Maharashtra (Pune – Rane et al., 2000; Satara – Ghate et al., 2003); Tamil Nadu (Nilgiri Hills – Borowiec & Takizawa, 1991).

**General distribution.** Oriental (India, Sri Lanka) (Borowiec, 1999; Borowiec & Le Tirant, 2013; Borowiec & Świętojańska, 2024).

***Notosacantha warchalowskii* Świętojańska & Sekerka, 2007**

*Notosacantha warchalowskii* Świętojańska & Sekerka, 2007:691.

**Distribution in India.** Arunachal Pradesh (Świętojańska & Sekerka, 2007).

**General distribution.** Palaeartic (endemic to India) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

**Tribe Basiprionotini Gressitt, 1952 (1914)****Genus *Basiprionota* Chevrolat, 1836*****Basiprionota bimaculata* (Thunberg, 1789) (Fig. 3C)**

*Cassida bimaculata* Thunberg, 1789:86. *Prioptera impustulata* Boheman, 1850:46.

**Material examined.** 1 spec., India, Sikkim, Toong, 31.vii.1959, leg. A.G.K. Menon (1622/H4A).

**Distribution in India.** Assam (Boheman, 1850; Spaeth, 1914c; Maulik, 1919); Sikkim (Vazirani, 1972; Sekerka & Świętojańska, 2024); West Bengal (“Calcutta” Kolkata – Maulik, 1913).

**General distribution.** Oriental (India, Myanmar, Cambodia, Laos, Thailand, Vietnam) and Palaeartic (China, India) (Borowiec, 1999; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

**Remarks.** Spaeth (1914c) included as *P. bimaculata* and *P. impustulata* and Maulik (1913, 1919) as *P. impustulata*.

***Basiprionota decemstillata* (Boheman, 1856)**

*Prioptera decemstillata* Boheman, 1856:9.

**Distribution in India.** Assam (Spaeth, 1914c; Maulik, 1919); West Bengal (Darjeeling) (Takizawa, 1985a, 1985b; Borowiec & Sekerka, 2010).

**General distribution.** Oriental and Palaeartic (endemic to India) (Boheman, 1856; Borowiec, 1999; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Basiprionota decemmaculata* (Boheman, 1850) (Fig. 3D)**

*Prioptera decemmaculata* Boheman, 1850:60. *Prioptera decemmaculata* var. *fuscicornis* Weise, 1897:101. *Prioptera decemmaculata* ab. *cardoni* Spaeth, 1925:430. *Prioptera decemmaculata* ssp. *macularia* Spaeth, 1925:430. *Prioptera pallidicornis* Boheman, 1850:61. *Prioptera nigricornis* Baly, 1863:9, 13.

**Material examined.** 1 spec., India, Arunachal Pradesh, Kameng, N.E.F.A., 10.iii.1961, leg. K.C. Jairam (3652/H4A). India, Sikkim, 1 spec. (8913/7), 1 spec. (2894/4), 1 spec. (743/19), 1 spec. (745/19), 1 spec. (2912/7). 1 spec., India, Nagaland, Naga Hills (756/19).

**Distribution in India.** Assam (Cachar, Sibsagar, Bhalukpong, Umrongso – Spaeth, 1914c; Maulik, 1913, 1919; Kimoto, 1981; Borowiec, 1990); Arunachal Pradesh (Kameng, Ankaling – Vazirani, 1972); Meghalaya (Shillong, Tura, Garo Hills, Khasi Hills, Baphakram National Park – Maulik, 1913; Kimoto, 1981; Basu, 2000a; Borowiec, 2001); Nagaland (Naga Hills – Maulik, 1913); Sikkim (Gangtok, Makaibari – Maulik, 1913, 1919; Borowiec, 1990; Vazirani, 1972); Tripura (Jampui – Agarwala & Bhattacharjee, 2012); West Bengal (Siliguri, Darjeeling: Kalimpong, Mundsong, Namthing-Dokapul, Mungpu, Buxa Tiger Reserve – Maulik, 1913; Kimoto, 1981; Borowiec, 1990; Raychaudhuri & Saha, 2014).

**General distribution.** Oriental (Myanmar, Laos, Indonesia, Malaysia, Thailand, Vietnam) and Palaearctic (Bhutan, China, India, Nepal) (Borowiec, 1999, 2009; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Basiprionota multiplagiata* (Wagener, 1881) (Fig. 3E, 3F)**

*Prioptera multiplagiata* Wagener, 1881:28.

**Material examined.** 1 spec., India, Andaman Islands (4261/5).

**Distribution in India.** Andaman & Nicobar Islands (Andaman Islands – Wagener, 1881; Spaeth, 1914c; Maulik, 1913, 1919; Borowiec, 1999).

**General distribution.** Oriental (endemic to India) (Borowiec, 1999; Borowiec & Świętojańska, 2024).

***Basiprionota prognata* (Spaeth, 1925)**

*Prioptera prognata* Spaeth, 1925:433.

**Distribution in India.** West Bengal (Darjeeling – Spaeth, 1925; Borowiec, 1999).

**General distribution.** Oriental (Myanmar) and Palaearctic (China, India) (Borowiec, 1999; Borowiec & Sekerka, 2010; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Basiprionota pudica* (Spaeth, 1925)**

*Prioptera pudica* Spaeth, 1925:403.

**Distribution in India.** Assam (Borowiec, 1999, 2009).

**General distribution.** Oriental (India) and Palaearctic (China) (Chen et al., 1986; Borowiec, 1999; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Basiprionota sexmaculata* (Boheman, 1850) (Fig. 3G)**

*Prioptera sexmaculata* Boheman, 1850:49. *Prioptera maculipennis* Boheman, 1850:50. *Prioptera punctipennis* Wagener, 1877:59. *Prioptera rugosa* Baly, 1863:8, 13. *Prioptera maculipennis* ssp. *reducta* Gressitt, 1938:185.

**Material examined.** 1 spec., India, Assam, Lusai Hills, 16.ix.1960, leg. F. Schmid (931/H4A). 1 spec., India, Arunachal Pradesh, Kameng, N.E.F.A., 21.v.1961, leg. K.C. Jairamkrishnan (2428/H4A). 1 spec., India, Meghalaya, Tura, 1200-1500 ft., Garo Hills, 07.viii.1917, leg. S.W. Kemp (6811/H4A).

**Distribution in India.** Assam (Mangadlai Hills, Lushai Hills, Umrongso – Boheman, 1850; Spaeth, 1914c; Maulik, 1919; Vazirani, 1972; Borowiec, 2001); Arunachal Pradesh (Kameng – Vazirani, 1972); Meghalaya (Garo Hills, Tura – Kimoto, 1981; Basu, 2000a; Borowiec, 2001); West Bengal (Kolkata “Calcutta”, Buxa Tiger Reserve – Boheman, 1850; Maulik, 1919; Raychaudhuri & Saha, 2014; Saha & Raychaudhuri, 1997; Darjeeling: Sekerka & Świętojańska, 2024).

**General distribution.** Oriental (India, Myanmar, Cambodia, Laos, Thailand, Vietnam) and Palaearctic (Bhutan, China, India, Nepal, Pakistan) (Borowiec, 1999, 2009; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

**Remarks.** Spaeth (1914c) as *P. maculipennis* and *P. sexmaculata*; Maulik (1919) as *P. punctipennis*; Raychaudhuri & Saha (2014) as *B. maculipennis*.

***Basiprionota westermanni* (Mannerheim, 1844) (Fig. 3H)**

*Prioptera westermanni* Mannerheim, 1844:864.

**Distribution in India.** Assam (Umrongso – Spaeth, 1914c; Maulik, 1913, 1916); Meghalaya (Jowai, Tura – Maulik, 1919; Borowiec, 2001, 2009).

**General distribution.** Oriental (Cambodia, India, Indonesia, Myanmar, Thailand, Vietnam and Palaeartic (China) (Borowiec, 1999; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

**Genus *Craspedonta* Chevrolat, 1836*****Craspedonta andrewesi* Weise, 1897**

*Calopepla andrewesi* Weise, 1897:97.

**Distribution in India.** Karnataka (North Kannda, Belgaum – Weise, 1897; Spaeth, 1914c; Maulik, 1919).

**General distribution.** Oriental (India, Myanmar) (Borowiec & Świętojańska, 2024).

***Craspedonta leayana* (Latreille, 1807)**

*Imatidium leayana* Latreille, 1807:50. *Calopepla nigriventris* Weise, 1897:98. *Calopepla leayana insulana* Gressitt, 1938:187. *Calopepla atritarsis* Pic, 1927:21. *Calopepla atritarsis* var. *notaticeps* Pic, 1927:22. *Calopepla atritarsis* ab. *dentata* Pic, 1927:22.

**Distribution in India.** India (Spaeth, 1914c); Assam (Kumar et al., 2016); Maharashtra (Pune – Ghate et al., 2003); Meghalaya (Cherapunji, Khasi Hills, West Garo Hills – Williamnagar: Maulik, 1913, 1919; Basu, 2000a; Kumar et al., 2016); Nagaland (“Assam” Naga Hills – Maulik, 1913); Punjab (Chandigarh) (Pajni & Bansal, 1977; Gupta et al., 2019); Sikkim (Pashok – Maulik, 1913, 1919); Tamil Nadu (Nilgiri Hills, Yercaud, Sheveroy Hills – Maulik, 1919; Borowiec, 2009); West Bengal (“Calcutta” Kolkata, Darjeeling, Namthing, Shitong, Buxa Tiger Reserve – Maulik, 1913, 1919; Borowiec, 1990; Raychaudhuri & Saha, 2014).

**General distribution.** Oriental (Laos, India, Myanmar, Nepal, Thailand, Vietnam and Palaeartic (China, India, Pakistan) (Borowiec, 1999, 2001; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Craspedonta obscura* (Weise, 1897)**

*Calopepla obscura* Weise, 1897:98.

**Distribution in India.** Assam (Spaeth, 1914c).

**General distribution.** Oriental (India, Laos, Myanmar) (Borowiec & Świętojańska, 2024).

**Genus *Epistictina* Hincks, 1950*****Epistictina reicheana* (Guérin, 1844) (Fig. 10D)**

*Calopepla reicheana* Guérin, 1844:286. *Epistictia selecta* Boheman, 1850:13. *Epistictia matronula* Boheman, 1850:14.

**Material examined.** 2 spec., without locality data (775-776/9).

**Distribution in India.** India (Spaeth, 1914c); Karnataka (Bengaluru – Ghate & Ranade, 2002); Kerala (Pariyar Lake, Cardamon Hills, Thatekkad, Quilon, Thiruvananthapuram “Trivandrum”, Vellayani, Shendurney Wildlife Sanctuary – Takizawa, 1983; Borowiec, 2001, 2009); Maharashtra (Amba Valley, Raigad – Ghate & Ranade, 2002; Ghate et al., 2003); Tamil Nadu (Kallar, Kotagiri, Niligiri, Kallar, Kumli – Guérin, 1844; Maulik, 1919; Takizawa, 1985b, 1986; Borowiec, 2001, 2009; Borowiec & Takizawa, 1991).

**General distribution.** Oriental (Sri Lanka) and Palaeartic (Nepal, Pakistan) (Borowiec, 1999; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Epistictina viridimaculata* (Boheman, 1850) (Fig. 3I)**

*Epistictia viridimaculata* Boheman, 1850:945. *Epistictia parryi* Baly, 1863:8. *Epistictia marginata* Kirsch, 1875:56. *Epistictia viridimaculata* var. *collaris* Weise, 1897:99. *Epistictia viridimaculata* var. *trivandrumensis* Maulik, 1913:108.

**Material examined.** 1 spec., India, Arunachal Pradesh, Namdapha Camp, 15.iv.1981, leg. S. Biswas (17194/H4A). 2 spec., India, Meghalaya, Tura, 1200–1500 ft., Garo Hills, 15.vii.1917, leg. S.W. Kemp (6809/H4A). 1 spec., India, Meghalaya, East Khasi Hills, Shillong, 16.viii.1963, leg. A.K. Sen (16216/H4A). 1 spec., India, Sikkim, Lingjok, 20.v.1962, leg. G. Ramakrishna (1626/H4A).

**Distribution in India.** Arunachal Pradesh (Namdapha National Park – Basu, 1984); Assam (Spaeth, 1914c; Vazirani, 1972); Kerala (Thiruvananthapuram “Trivandrum” – Maulik, 1913, 1919); Manipur (Ukhrul – Maulik, 1913, 1919); Meghalaya (Shillong, Tura, Garo Hills, Khasi Hills – Kimoto, 1981; Basu, 2000a; Borowiec, 2001); Punjab (Maulik, 1919; Vazirani, 1972; Gupta et al., 2019); Sikkim (Maulik, 1913, 1919; Vazirani, 1972); Uttarkhand (Kumaon – Sekerka & Świętojańska, 2024); West Bengal (Darjeeling, Tista, Mungpu – Maulik, 1913, 1919; Takizawa, 1985b; Borowiec, 1990).

**General distribution.** Oriental (India, Myanmar, Cambodia, Laos, Malaysia, China, Thailand, Vietnam) and Palaearctic (China, India, Nepal, Pakistan) (Borowiec, 1999, 2001, 2009; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

### ***Epistictina weisei* Spaeth, 1914**

*Epistictina weisei* Spaeth, 1914b: 542.

**Distribution in India.** Karnataka (North Kanara – Spaeth, 1914b; Maulik, 1919); Maharashtra (“Bombay” Mumbai – Maulik, 1919); Tamil Nadu (Nilgiri Hills – Spaeth, 1914b, 1914c).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

## **Tribe Cassidini Gyllenhal, 1813**

### **Subtribe Aspidomorpha Chapuis, 1875**

#### **Genus *Aspidomorpha* Hope, 1841**

#### **Subgenus *Aspidomorpha* Hope, 1841**

#### ***Aspidomorpha (Aspidomorpha) amabilis* Boheman, 1854 (Fig. 4A)**

*Aspidomorpha amabilis* Boheman, 1854:315. *Aspidomorpha halmaherana* Spaeth, 1926a:309. *Cassida micans*: Olivier, 1808:960.

**Material examined.** 1 spec., India, Assam, Mangaldai district, Mazhat, 13.vii.1895, leg. W. R. Yates. 1 spec., India, Assam, 11–15.x.1910 leg. S.W. Kemp. 1 spec., India, Odisha “Orissa”, Gopkuda Island, Lake Chilka, Orissa, 7–15. viii.1907. 1 spec., India, West Bengal, Kolkata “Calcutta” (4123/11/H4A), 1 spec. (4222/11/H4A). 1 spec., India, West Bengal, Sukna, 500 ft., E. Himalayas, 2.ii.1908, leg. Annandale. 1 spec., India, West Bengal (4279/11/H4A). 1 spec., India, West Bengal (3358/11/H4A).

**Distribution in India.** Odisha (Chilika) and West Bengal (“Calcutta” Kolkata, Sukna, Darjeeling) (Maulik, 1913, 1916; Borowiec, 1999; Ghosh et al., 2023).

**General distribution.** Oriental (India, Indonesia, Philippines) (Borowiec, 1999; Borowiec & Świętojańska, 2024).

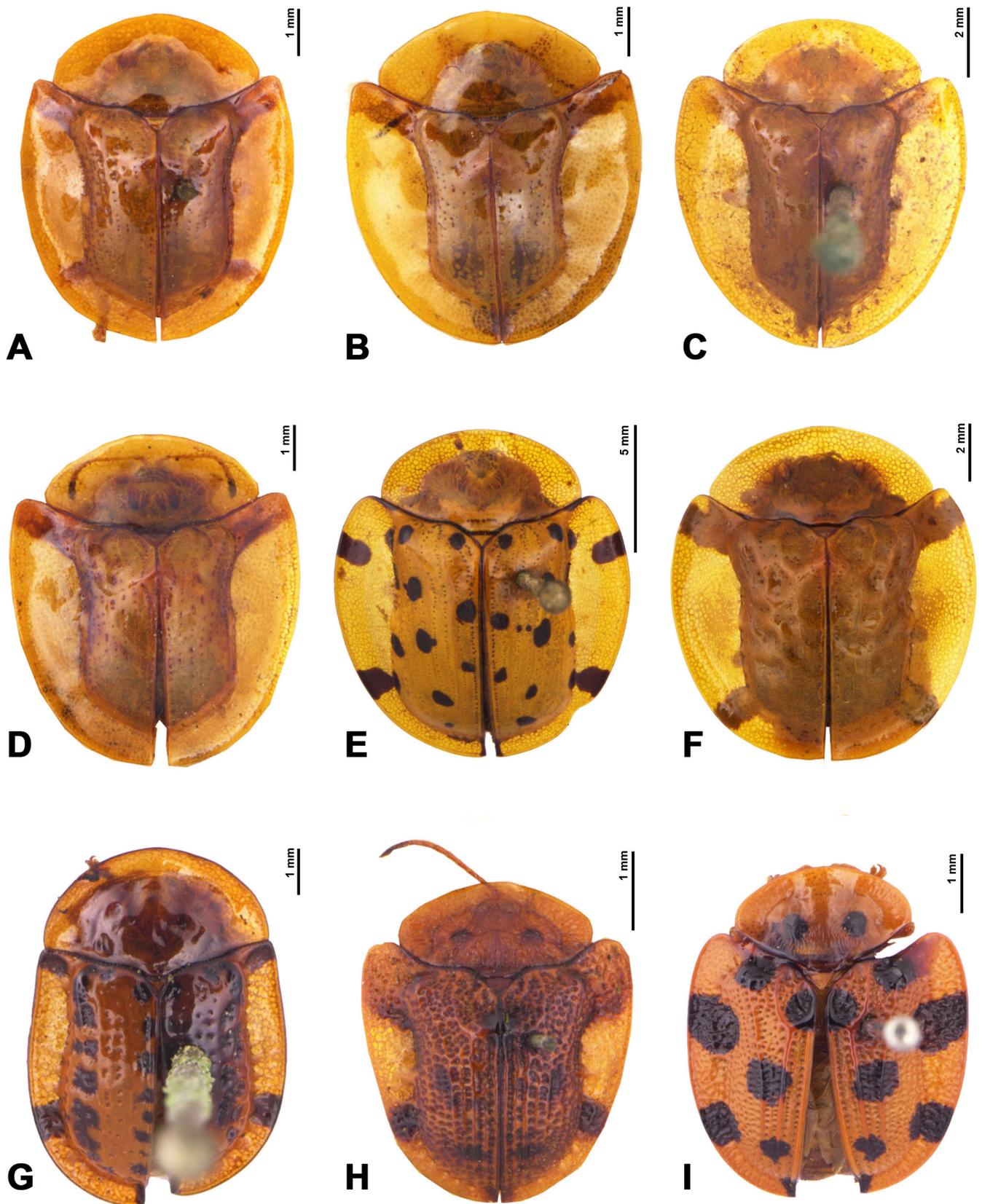
#### ***Aspidomorpha (Aspidomorpha) chandrika* Maulik, 1918 (Figs 4B, 9B)**

*Aspidomorpha chandrika* Maulik, 1918:322. *Aspidomorpha renidens* Spaeth, 1926d:118.

**Material examined.** 1 spec., India, Arunachal Pradesh, Namdapha, Gibbonland, 02.v.1981, leg. S. Biswas, det. C.R. Basu (17196/H4A). 1 spec., India, Meghalaya, Tura, 3500–3900 ft., Garo Hills, 30.viii.1917, leg. S.W. Kemp, det. S. Maulik (6814/H4A). 2 spec., India, West Bengal, Darjeeling, 1000–3000 ft. 05.vi.1912, leg. Lord Carmichael, det. H.A. Hafiz & S. Ribeiro (7609/H4A). 4 spec., India, West Bengal, Ghumti, 4000 ft, 05.vii.1912, leg. Lord Carmichael, det. H.A. Hafiz & S. Ribeiro (7611/H4A).

**Distribution in India.** Arunachal Pradesh (Namdapha National Park – Basu, 1984); Meghalaya (West Garo Hills, Tura – Basu, 2000a; Borowiec, 2001); Sikkim (Świętojańska, 2001; Borowiec, 2009); Uttar Pradesh (Świętojańska, 2001; Borowiec, 2009); West Bengal (Darjeeling, Jalpaiguri, Buxa Tiger Reserve, Kolkata – Maulik, 1918, 1919; Raychaudhuri & Saha, 2014; Ghosh et al., 2023).

**General distribution.** Oriental (Indonesia, India, Laos, Myanmar, Thailand, Vietnam) and Palaearctic (China, India) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).



**Figure 4.** Habitus of tortoise beetles. **A.** *Aspidomorpha amabilis* Boheman, 1854; **B.** *Aspidomorpha chandrika* Maulik, 1918; **C.** *Aspidomorpha calligera* (Fabricius, 1787); **D.** *Aspidomorpha furcata* (Thunberg, 1789); **E.** *Aspidomorpha miliaris* (Fabricius, 1775); **F.** *Aspidomorpha sanctaetrucis* (Fabricius, 1792); **G.** *Conchyloctenia nigrovittata* (Boheman, 1854); **H.** *Lacoptera chinensis* Fabricius, 1798; **I.** *Lacoptera* (*Lacopteroidea*) *quatuordecimnotata* Boheman, 1855.

***Aspidomorpha (Aspidomorpha) calligera* Boheman, 1854 (Fig. 4C)**

*Aspidomorpha calligera* Boheman, 1854:297. *Aspidomorpha dorsata* auct.

**Material examined.** 1 spec., India, West Bengal, Kolkata “Calcutta”, Feb. 1918, det. S. Maulik (8147/12/H4A), 1 spec., Feb. 1918, det. S. Maulik (8123/12/H4A), 1 spec., Feb. 1918, det. S. Maulik (8129/12/H4A), 1 spec., Feb. 1918, det. S. Maulik (3197/8/H4A), 1 spec., Feb. 1918, det. S. Maulik (2379/8). 1 spec., India, Sikkim, Feb. 1918, det. S. Maulik (2608/9), 1 spec., Feb. 1918, det. S. Maulik (3198/8). 1 spec., India, Meghalaya, Tura, 1200-1500 ft, Garo Hills, 07.viii.1917, leg. S. W. Kemp, det. S. Maulik (6848/H4A). 1 spec., India, Meghalaya, Garo, 3500-3900 ft, 30.viii.1917, leg. S.W. Kemp, det. S. Maulik (6851/H4A). 1 spec., India, Meghalaya, 09.iii.1991, leg. A. K. Sanyal, det. C.R. Basu (16204/H4A). 1 spec., India, Meghalaya, E. Khasi Hills, Mawblang, 23.iv.1970, leg. G.M. Yasdani, det. R.K. Kacker (16201/H4A). 1 spec., India, Meghalaya, Shillong, 23.iv.1970, leg. N.A., det. C.R. Basu (16202/H4A).

**Distribution in India.** India (Spaeth, 1914c); Assam (Sibsagar, Bhalukpong, Umrongso – Maulik, 1919; Borowiec, 2001); Jharkhand (Konbir – Maulik, 1919); Karnataka (North Kannada, Belgaum, Shimoga, Mysore, Coorg – Maulik, 1919; Takizawa, 1987; Borowiec, 2001); Meghalaya (Shillong; West Garo Hills, Tura – Basu, 2000a; Borowiec, 2001); Nagaland (Naga Hills – Maulik, 1919); Sikkim (Kimoto, 1981); Tamil Nadu (Kallar, Kumili, Nilgiri Hills, Mettupalayam – Maulik, 1919; Takizawa, 1985b, 1986; Borowiec & Takizawa, 1991; Borowiec, 2001); Tripura (Jampui – Agarwala & Bhattacharjee, 2012); Uttarakhand (Dehradun – Sekerka & Świątojańska, 2024); West Bengal (Darjeeling, Kolkata, Siliguri, Buxa Tiger Reserve – Maulik, 1913; Raychaudhuri & Saha, 2014; Ghosh et al., 2023).

**General distribution.** Oriental (Bangladesh, Cambodia, Indonesia, India, Laos, Malaysia, Myanmar, Sri Lanka, Thailand, Vietnam) and Palaearctic (Bhutan, China, India, Nepal, Pakistan) (Borowiec, 1999; Świątojańska, 2001; Borowiec & Świątojańska, 2024; Sekerka & Świątojańska, 2024).

**Remarks.** The identity of *Aspidomorpha dorsata* has recently been revised due to a previous misinterpretation of the type material (Sekerka & Barclay, 2014). The taxon previously identified as *A. dorsata* (as per Świątojańska, 2001) is now recognized as *A. calligera* Boheman, 1854 (Sekerka & Świątojańska, 2024).

***Aspidomorpha (Aspidomorpha) dorsata* (Fabricius, 1787)**

*Cassida dorsata* Fabricius, 1787:64. *Aspidomorpha fuscopunctata* Boheman, 1854:298. *Aspidomorpha fuscopunctata* ab. *corporaali* Spaeth, 1926a:308. *Aspidomorpha rubrodorsata* Boheman, 1854:310.

**Distribution in India.** India (Spaeth, 1914c); Assam (Umrongso, Bhaulnpong – Borowiec, 2001, 2009); Karnataka (Mysore, Shimoga, Agumbe Ghat, Shimoga – Borowiec & Takizawa, 1991; Borowiec, 2009); Kerala (Kottayam, Peermade, Pudmudi Hills, Thiruvananthapuram “Trivandrum”, Kunchapanay, Vellayani – Maulik, 1919; Borowiec & Takizawa, 1991; Borowiec, 2001; Maharashtra (Amba Valley – Ghate et al., 2003); Meghalaya (Tura – Borowiec, 2001); Sikkim (Maulik, 1919); Tamil Nadu (Nilgiri Hills, Kumli, Kotagiri – Maulik, 1919; Borowiec & Takizawa, 1991; Borowiec, 2001); West Bengal (Darjeeling, Jalpaiguri, Mungpu, Kolkata, Buxa Tiger Reserve – Maulik, 1919; Borowiec, 1990; Raychaudhuri & Saha, 2014; Ghosh et al., 2023).

**General distribution.** Oriental (Indonesia, India, Laos, Malaysia, Myanmar, Philippines, Thailand, Vietnam) and Palaearctic (China, India, Nepal) (Świątojańska, 2001; Borowiec & Świątojańska, 2024; Sekerka & Świątojańska, 2024).

**Remarks.** The name *Aspidomorpha dorsata* now pertains to the taxon formerly known as *A. fuscopunctata* Boheman, 1854 (Sekerka & Świątojańska, 2024).

***Aspidomorpha (Aspidomorpha) furcata* (Thunberg, 1789) (Fig. 4D)**

*Cassida furcata* Thunberg, 1789:87. *Cassida micans* Fabricius, 1801:398.

**Material examined.** 1 spec., India, Arunachal Pradesh, Namdapha, Deban, 06.iv.1981, leg. S. Biswas, det. C.R. Basu (17197/H4A). 9 spec., India, Chattisgarh: Bhalai, leg. K.K. Verma, det. K. K. Verma (25640/H4A). 1 spec., India, West Bengal, Kolkata “Calcutta” (1982/18/H4A); 07.xii.1928, 1 ex., leg. P. C. Sinha & S.K. Mondal, det. G.I.K. Mars (152/H4A). 1 spec., India, West Bengal, 25.viii.1955, leg. D. Mukherjee, det. G. Mathai (10271/H4A).

**Distribution in India.** India (Spaeth, 1914c); Assam (Maulik, 1919); Arunachal Pradesh (Namdapha National Park – Basu, 1984); Chhattisgarh (Durg – Kalaichelvan & Verma, 2005; Chandra et al., 2018f); Goa (Borowiec, 2009); Karnataka (Bangaluru, North Kannada, Coorg, Mysore, Shimoga, Sulya, Agumbe Ghat, North Kanara – Maulik, 1913 as *A. micans*; Maulik, 1919; Takizawa, 1987; Borowiec, 1990, 2001, 2009; Borowiec & Takizawa, 1991); Kerala (Peechi, Kumili, Thenmala, Munnar, Pampadumpara – Maulik, 1919; Visalakshi et al., 1980; Borowiec, 1990; Borowiec & Takizawa, 1991; Borowiec, 2001); Madhya Pradesh (Chandra & Kushwaha, 2013); Maharashtra (Pune, Amba Valley, “Bombay” Mumbai – Ghate et al., 2003; Borowiec, 2009); Meghalaya (Garo Hills – Kimoto, 1981; Basu, 2000a); Odisha (Chilika, Daitari, Koenjahr – Maulik, 1913, 1919; Basu & Halder, 1987; Borowiec, 1990); Puducherry (Neffapakkam, Karaikal – Borowiec & Takizawa, 1991; Borowiec, 2001); Sikkim (Gangtok – Maulik, 1919; Kimoto, 1981; Borowiec & Takizawa, 1991); Tamil Nadu (Kallar, Nadugani, Coimbatore, Chennai, Annamalai Hills, Nilgiri Hills, Mudumalai – Takizawa, 1986; Borowiec & Takizawa, 1991; Borowiec, 2001); Tripura (Salema – Agarwala & Bhattacharjee, 2012); Uttarakhand (Sahastradhara – Takizawa, 1985b); West Bengal (“Calcutta” Kolkata, Darjeeling, Mirik, South 24 Parganas, Siliguri, Buxa Tiger Reserve: Maulik, 1913, 1919; Kimoto, 1981; Borowiec, 1990, 2001; Raychaudhuri & Saha, 2014; Ghosh et al., 2023).

**General distribution.** Oriental (Cambodia, Laos, Indonesia, India, Malaysia, Myanmar, Sri Lanka, Thailand, Taiwan, Vietnam) and Palaeartic (Bhutan, China, India, Nepal) (Borowiec, 1999; Świętojańska, 2001; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

**Remarks.** The record of this species from Karnataka was identified by Maulik (1913) as *A. micans*.

#### *Aspidomorpha (Aspidomorpha) indica* Boheman, 1854

*Aspidomorpha indica* Boheman, 1854:318. *Aspidomorpha egena* Boheman, 1854:317. *Aspidomorpha sumatrana* Spaeth, 1904:74.

**Material examined.** 1 spec., India, Odisha “Orissa”, Sambalpur, 7.xi.1972, leg. J.M. Julka, det. C.R. Basu (16963/H4A).

**Distribution in India.** Andhra Pradesh (Samalkot – Maulik, 1919); Arunachal Pradesh (West Kameng, Kalaktang – Vazirani, 1972); Assam (Sibsagar – Borowiec, 1985); Karnataka (Mysore, Shimoga, Agumbe Ghat – Borowiec, 1990, 2001); Kerala (Ponmudi Hills, Thiruvananthapuram “Trivandrum”: Borowiec, 2001); Sikkim (Thomhyak – Kimoto, 1981); Maharashtra (Satara, Bhimashankar – Ghate et al., 2003); Meghalaya (West Garo Hills, Jaintia Hills – Basu, 2000a); Odisha (Sundargarh – Basu & Halder, 1987); Tamil Nadu (Annamalai Hills, Chennai “Madras”, Sirvani Forest, Nadugani, Nilgiri Hills, Kotagiri – Takizawa, 1985b, 1986; Borowiec, 1990, 2001); Uttarakhand (Boheman, 1854; Mussorie – Borowiec, 1990); West Bengal (Darjeeling, Sukna, Kolkata, Bankura, South 24 Parganas – Maulik, 1919; Kimoto, 1981; Borowiec, 1985, 1990; Ghosh et al., 2023).

**General distribution.** Oriental (Bangladesh, Indonesia, India, Laos, Malaysia, Myanmar, Pakistan, Philippines) and Palaeartic (China, Nepal, India, Pakistan) (Świętojańska, 2001; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

#### *Aspidomorpha (Aspidomorpha) inuncta* Boheman, 1854 (Fig. 9A)

*Aspidomorpha inuncta* Boheman, 1854:301. *Aspidomorpha spaethi* Maulik, 1918:324.

**Distribution in India.** Andaman & Nicobar Islands (Andaman Islands – Maulik, 1913); Kerala (Malabar, Malabar Wildlife Sanctuary – Spaeth, 1914b, Maulik, 1919); Maharashtra (Pune – Ghate et al., 2003); Tamil Nadu (Kallar, Nilgiri, Mettupalayam, Coimbatore, Kotagiri, Kunchappanay – Spaeth, 1914b; Takizawa, 1985b; Borowiec, 1990, 2001).

**General distribution.** Oriental (endemic to India) (Świętojańska, 2001; Borowiec & Świętojańska, 2024).

**Remarks.** Maulik (1919) included as *A. spaethi*.

***Aspidomorpha (Aspidomorpha) limbipennis* Boheman, 1854**

*Aspidomorpha limbipennis* Boheman, 1854:285.

**Distribution in India.** Assam (Borowiec, 1999).

**General distribution.** Oriental (India, Indonesia, Sri Lanka) (Borowiec, 1999; Świętojańska, 2001; Borowiec & Świętojańska, 2024).

***Aspidomorpha (Aspidomorpha) lobata* Boheman, 1854**

*Aspidomorpha lobata* Boheman, 1854:289.

**Material examined.** 1 spec., India, Telangana, Amrabad Tiger Reserve, Nagarkurnool, Mallela Theertham Waterfall, 29.xii.2021, leg. Deepa J.

**Distribution in India.** Chhattisgarh (Durg – Kalaichelvan & Verma, 2005; Chandra et al., 2018f; Bilaspur – Chandra et al., 2018e); Goa (Borowiec, 2009); Maharashtra (Pune, Meren – Borowiec, 2001; Ghate et al., 2003); Tamil Nadu (Changalpattu – Borowiec, 2001); West Bengal (Kolkata – Ghosh et al., 2023); Telangana (new record).

**General distribution.** Oriental (Bangladesh, India, Sri Lanka) (Świętojańska, 2001; Borowiec & Świętojańska, 2024).

***Aspidomorpha (Aspidomorpha) miliaris* (Fabricius, 1775) (Fig. 4E)**

*Cassida miliaris* Fabricius, 1775:91. *Aspidomorpha miliaris* ab. *flaveola* Weise, 1910a:143. *Aspidomorpha miliaris* ab. *inundata* Weise, 1910a:143. *Cassida quatuordecim-punctata* Olivier, 1808:943. *Aspidomorpha celebensis* Blanchard, 1853:316. *Aspidomorpha amplissima* Boheman, 1854:260.

**Material examined.** 1 spec., India, Assam, Goalpara, 10.iv.1957, leg. B.K. Tikadar, det. T.G. Vazirani (216/H4A). 1 spec., India, Assam, Tezpur, 01.i.1966, leg. Bhattacharya & A.N.J., det. T.G. Vazirani (4098/H4A). 1 spec., India, Assam, 01.i.1966, leg. Bhattacharya & A.N.J., det. T.G. Vazirani (6037/H4A). 1 spec., India, Chhattisgarh, Dhamtari, 29.xii.2016, leg. Sunil Gupta & Party (23136/H4A). 1 spec., India, Chhattisgarh, Raipur, Bala Mechi River, 03.iv.1996, leg. S.K. Gupta (23339/H4A). 4 spec., India, Chhattisgarh, Korea Guru Ghasidas National Park, 22.ix.2013, leg. A. Raha & Party (23824/H4A). 1 spec., India, Chhattisgarh, Surguja Tara, 16.ix.2012, leg. A. Raha & Party (23825/H4A). 1 spec., India, Chhattisgarh, Jagdalpur, GGFD Margapara, 06.i.2012, leg. R.P. Gupta & Party (23826/H4A). 2 spec., India, Chhattisgarh, Dhantari, Khallan, 16.x.2011, leg. S. Gupta & Party (23827/H4A). 6 spec., India, Chhattisgarh, Shaukara, 20.x.2011, leg. S. Gupta & Party (23832/H4A). 5 spec., India, Chhattisgarh, Raipur, Balamdehi, 01.x.2011, leg. S. Gupta & Party (23904/H4A); 3 spec., India, Chhattisgarh, Parbatiya WF, 07.xi.2011, leg. Anil & Party (23905/H4A). 1 spec., India, Chhattisgarh, Dulli Bahal Forest, 01.xi.2011, leg. Anil & Party (23906/H4A). 1 spec., India, Chhattisgarh, Latadada, 27.ix.2011, leg. Sunil & Party (23907/H4A). 9 spec., India, Chhattisgarh, Kawardha, Sibinikala, 02.ix.2011, leg. S. Gupta & Party (23954/H4A). 1 spec., India, Chhattisgarh, Balsamundi, 11.ix.2017, leg. S. Gupta & Party (23955/H4A). 1 spec., India, Chhattisgarh, Balamdehi River, 01.x.2011, leg. S. Gupta & Party (24240/H4A). 4 spec., India, Chhattisgarh, Korea, Guru Ghasidas National Park, leg. A. Raha, 22.ix.2013 (23824/H4A). 2 spec., India, Chhattisgarh, Surguja Tara, leg. A. Raha, 16.ix.2012 (23825/H4A). 2 spec., India, Chhattisgarh, Jagdalpur, Margapara, 06.i.2012, leg. R.P. Gupta (23826/H4A). 2 spec., India, Chhattisgarh, Dhamtari, Khallan, leg. S. Gupta, 16.x.2011 (23827/H4A). 6 spec., India, Chhattisgarh, Dhamtari, Shaukara, 20.x.2011, leg. S. Gupta (23832/H4A). 5 spec., India, Chhattisgarh, Raipur, Balamdehi, leg. S. Gupta 01.x.2011 (23904/H4A). 2 spec., India, Chhattisgarh, Raigarh, Gomardha Wildlife Sanctuary, 28.vi.2015, leg. Amitava (28125/H4A). 3 spec., India, Chhattisgarh, Raipur, Parbatiya WF, 07.xi.2011, leg. Anil (23905/H4A). 1 spec., India, Chhattisgarh, Raipur, Dulli Bahal F, 01.xi.2011, leg. Anil (23906/H4A). 1 spec., Raipur, India, Chhattisgarh, Latadada, 27.ix.2011, leg. Sunil & Party (23907/H4A); 9 spec., India, Chhattisgarh, Kawardha, Sibinikala, 02.ix.2011, leg. S. Gupta (23954/H4A); 1 spec., India, Chhattisgarh, Kawardha, Balsamundi, 01.ix.2011, leg. S. Gupta (23955/H4A). 3 spec., India, Chhattisgarh, Dhamtari, Sitanadi Wildlife Sanctuary, 19.x.2011, leg. S. Gupta (24145/H4A). 4 spec., India, Chhattisgarh, Dhamtari, Gaherusigav, 13.x.2011, leg. S. Gupta (24146/H4A). 1 spec., India, Chhattisgarh, Dhamtari,

Khallani, 16.x.2011, leg. S. Gupta (24147/H4A). 1 spec., India, Chhattisgarh, Korea Guru Ghasidas National Park, Sadhu Nada, 04.vii.2012, leg. A. Parida (24148/H4A). 1 spec., India, Chhattisgarh, Korea Guru Ghasidas National Park, Sonhat, 09.ii.2013, leg. A. Parida (24149/H4A). 6 spec., India, Chhattisgarh, Dhamtari, Sitanadi River, 19.x.2011, leg. S. Gupta (24240/H4A). 1 spec., India, Chhattisgarh, Dhamtari, Shankar Forest, 20.x.2011, leg. S. Gupta (24241/H4A). 1 spec., India, Chhattisgarh, Raipur, Dulli Bahal forest, 01.xi.2011, leg. Anil (24242/H4A). 1 spec., India, Chhattisgarh, Raipur, Balamdehi River, 01.x.2011, leg. S. Gupta (24243/H4A); 1 spec., India, Chhattisgarh, Dhamtari, Shalebhat, 21.x.2011, leg. S. Gupta (24244/H4A); 1 spec., India, Chhattisgarh, Dhamtari, Meehaka, 14.x.2011, leg. S. Gupta (24245/H4A); 1 spec., India, Chhattisgarh, Dhamtari, 13.x.2011, leg. S. Gupta (24246/H4A); 21 spec., India, Chhattisgarh, Raipur, Barnawapara Wildlife Sanctuary, 17.vii.2013, leg. S. Gupta (28512/H4A); 5 spec., India, Chhattisgarh, Surguja, Jaigaon, 31.iv.2012, leg. A. Raha (28828/H4A); 1 spec., India, Chhattisgarh, Raipur, 17.xi.2011, leg. Anil & Party (28222/H4A); 1 spec., India, Chhattisgarh, Raipur, 20.xi.2011, leg. A. Raha & Party (28223/H4A); 1 spec., India, Chhattisgarh, Baranwapara Wildlife Sanctuary Camp, 26.vi.2013, leg. S. Gupta (28236/H4A). 6 spec., India, Jharkhand, Palkot Wildlife Sanctuary, 24.vii.2021, leg. Chitra J. (28412/H4A); 18 spec., India, Jharkhand, Tapkara Lake, Palkot Wildlife Sanctuary, 24.vii.2021, leg. Chitra J. (28501/H4A). 18 spec., India, Jharkhand, Kawardha, Sivnikala, 02.ix.2011, leg. Sumit & Party (28510/H4A). 18 spec., India, Jharkhand, Kawardha, Chilpi, 27.viii.2011, leg. Sumit & Party (28511/H4A). 1 spec., India, Karnataka, Palni Hills, 500.800 ft., 29.ix.1922, leg. S.W. Kemp, det. S. Maulik (6452/H4A). 10 spec., India, Kerala, S. Malabar, Waliyar Forest, 11.viii.1957, leg. P.S. Nathan (28145/H4A). 4 spec., India, Madhya Pradesh, Jabalpur, Bassar Road, 07.xii.2011, leg. R.P. Gupta (28829/H4A). 7 spec., India, Madhya Pradesh, Jabalpur, Dhamtari, 13.x.2011, leg. Sunil & Party (28220/H4A). 6 spec., India, Madhya Pradesh, Jabalpur, Dhamtari, 19.x.2011, leg. Sunil (28221/H4A). 1 spec., India, Meghalaya, Tura, 1200-1500 ft., Garo Hills, 07.viii.1917, leg. S.W. Kemp, det. S. Maulik (6813/H4). 1 spec., India, Odisha, Mandua, Keonjhar, leg. K. Rai, 19.xi.1972 (28218/H4A). 1 spec., India, Odisha, Barahal, Keonjhar, 25.xi.1972, leg. K. Rai (28219/H4A). 47 spec., India, Odisha, Silwan, 25.ix.1972, leg. K. Rai, det. C.R. Basu (16598/H4A). 4 spec., India, Odisha, Kashipur, 19.ix.1972, leg. K. Rai, det. C.R. Basu (16622/H4A). 19 spec., India, Odisha, Barabhadrapur, 25.ix.1972, leg. K. Rai, det. C.R. Basu (16643/H4A). 25 spec., India, Odisha, Bhetrai, 20.ix.1972, leg. K. Rai, det. C.R. Basu (16660/H4A). 7 spec., India, Odisha, Bangripasi, Chandanpur, 14.ix.1972, leg. K. Rai, det. C.R. Basu (16660/H4A). 12 spec., India, Odisha, Mandua, 31.viii.1994, leg. K. Rai, det. C.R. Basu (16690/H4A). 19 spec., India, Odisha, Barsosan, 27.ix.1972, leg. K. Rai, det. C.R. Basu (16714/H4A). 12 spec., India, Odisha, Barahal, 25.ix.1972, leg. K. Rai, det. C.R. Basu (16715/H4A). 1 spec., India, Odisha, Jubilee Park, 31.viii.1994, leg. K. Rai, det. C.R. Basu (16727/H4A). 8 spec., India, Odisha, Balangir, 11.xi.1972, leg. K. Rai, det. C.R. Basu (16755/H4A). 7 spec., India, Odisha, Sambalpur, 06.xi.1972, leg. J. M. Julka, det. C.R. Basu (16756/H4A). 24 spec., India, Odisha, Keonjhar, Gobindapur, 21.ix.1972, leg. K. Rai, det. C.R. Basu (16844/H4A). 5 spec., India, Odisha, Keonjhar, Barbhadrapur, 05.ix.1994, leg. K. Rai, det. C.R. Basu (16861/H4A). 3 spec., India, Odisha, Banta Kumari Hill, 06.ii.1974, leg. S. Biswas, det. C.R. Basu (16862/H4A). 1 spec., India, Sikkim, Gazing, 30.ix.1959, leg. B. K. Tikadar, det. T. G. Vazirani (215/H4A). 12 spec., India, Tamil Nadu, Coimbatore, 11.vii.1957, leg. P.S. Nathan (28146/H4A). 1 spec., India, Tamil Nadu, Dharamapuri, Senguttai Village, 20.x.2013, leg. R. Venkitashan (27949/H4A). 2 spec., India, Telangana, Amarabad Tiger Reserve, Bhupatipalem Base Camp, 07.xii.2021, leg. Deepa J. (29563/H4A). 1 spec., India, Telangana, Warangal, Pakhal Ecotourism Rest House, 13.ix.2022, leg. J. Dasgupta (30101/H4A). 1 spec., India, Tripura, Rowa Wildlife Sanctuary, 21.v.2011, leg. J. Majumdar (27981/H4A); 2 spec., India, Tripura, Trishna Wildlife Sanctuary, leg. J. Majumdar, 27.xi.2012 (27982/H4A); 2 spec., India, Tripura, Debbari, 17.vi.2013, leg. J. Majumdar (27983/H4A). 2 spec., India, Tripura, 11.viii.2013, leg. D.K.S (27984/H4A). 1 spec., India, West Bengal, Barrackpore, Harishabha Road., 26.ix.1965, leg. D.B. Chotani (28126/H4A). 1 spec., India, West Bengal, Howrah, Pashpara, 29.viii.1964, leg. K.R. Rao (28127/H4A). 1 spec., India, West Bengal, Howrah, Pashpara, 20.viii.1964, leg. K.R. Rao (28128/H4A). 3 spec., India, West Bengal, Howrah, Pashpara, 29.ix.1965, leg. D.B. Chotani (28129/H4A). 1 spec., India, West Bengal, Howrah, Pashpara, 20.viii.1964, leg. K.R. Rao (28130/H4A). 1 spec., India, West Bengal, Barrackpore, 22.x.1965, leg. D.B. Chotani (28131/H4A). 3 spec., India, West Bengal, Birbhum, Kachujor, Siuri, 08.xi.1994, leg. A.K. Hazra (28132/H4A). 2 spec.,

India, West Bengal, Barasat, 16.vii.1982, leg. S.K. Halder (28217/H4A). 2 spec., India, West Bengal, Darjeeling, 22.vi.2017, leg. K. Mondal (30837/H4A). 1 spec., India, West Bengal, Purulia, Raghunathpur, 18.xi.2021, leg. S. Mukherjee (28919/H4A). 8 spec., India, West Bengal, Ganga Jachodi 08.ix.1986, leg. P. Mukherjee, det. C.R. Basu (15465/H4A). 1 spec., India, West Bengal, Hatirampur, 10.x.1986, leg. P. Mukherjee, det. C.R. Basu (15473/H4A). 5 spec., India, West Bengal, Santragachi, 10.ix.1964, leg. K. Rai, det. C.R. Basu (15474/H4A). 1 spec., India, West Bengal, Botanical Garden, Sibpur, 10.xii.1961, leg. K.S.P. & S. Ali, det. C.R. Basu (15479/H4A). 5 spec., India, West Bengal, Mourigram, 10.ix.1964, leg. K. Rai, det. C.R. Basu (15480/H4A). 2 spec., India, West Bengal, Sonarpur, 28.xi.1961, leg. R.K.V, det. C.R. Basu (15482/H4A). 12 spec., India, West Bengal, Budge Budge, 13.xi.1966, leg. K.V.L. Narayan, det. C.R. Basu (16565/H4A).

**Distribution in India.** Andaman and Nicobar Islands (Andaman Islands – Maulik, 1913), Arunachal Pradesh (Roing – Sekerka & Świętojańska, 2024); Assam (Sibsagar, Tezpur – (Maulik, 1913; Vazirani, 1972); Chhattisgarh (Durg, Barnawapara Wildlife Sanctuary, Udanti Sitanadi Tiger Reserve, Guru Ghasi Das National Park – Kalaichelvan & Verma, 2005; Chandra et al., 2018a, 2018c, 2018d, 2018f); Himachal Pradesh (Renuka Lake – Sekerka & Świętojańska, 2024); Jharkhand (Ranchi – Maulik, 1919; Chattopadhyay, 2020); Karnataka (Mysore, Bengaluru – Maulik, 1913, 1919; Borowiec, 1990, 2009); Kerala (Walayar, Vellayani, Shendurney Wildlife Sanctuary – Borowiec, 1990); Madhya Pradesh (Bhopal – Chandra & Kushwaha, 2013; Gupta & Kushwaha, 2020); Maharashtra (Pune, Loonawala – Borowiec, 2001; Ghate et al., 2003; Borowiec & Świętojańska, 2007); Meghalaya (East Khasi Hills, Shillong, Nongph Forest – Maulik, 1919; Basu, 2000a; Borowiec, 2001); Odisha (Bhubaneswar, Puri, Sambalpur, Balangir, Keonjhar, Dhenkanal, Cuttack, Mayurbhanj – Borowiec, 1985; Basu & Halder, 1987); Sikkim (Gezing – Maulik, 1919); Tamil Nadu (Nilgiri Hills, Kallar, Coimbatore, Madurai, Marudamalai Hills, Palni Hills, Anna dist – Maulik, 1919; Takizawa, 1986, 1987; Borowiec, 1990, 2001, 2009); Telangana (new record); Tripura (Jampui – Agarwala & Bhattacharjee, 2012); Uttarakhand (Bhimtal, Hardiwal-Chilla – Sekerka & Świętojańska, 2024); Uttar Pradesh (Mathura – Srivastava, 2015); West Bengal (“Calcutta” Kolkata, Malda, Darjeeling, Bankura, Birbhum, Darjeeling, Malda, Kolkata, Howrah, Nadia, South 24 Parganas, Buxa Tiger Reserve – Maulik, 1913, 1919; Kimoto, 1981; Takizawa, 1985b; Raychaudhuri & Saha, 2014; Ghosh et al., 2023).

**General distribution.** Oriental (Bangladesh, Indonesia, India, Laos, Malaysia, Myanmar, Philippines, Sri Lanka, Singapore, Thailand, Vietnam), Palaearctic (China, Japan, India, Nepal, Taiwan), and Australasian (New Guinea) (Borowiec, 1999; Świętojańska, 2001; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

#### *Aspidomorpha (Aspidomorpha) musta* Spaeth, 1914

*Aspidomorpha musta* Spaeth, 1914b:545. *Aspidomorpha inquinata* auct. (only records from continental Asia).

**Distribution in India.** Andaman and Nicobar (Andaman Islands – Świętojańska, 2001); Assam (Świętojańska, 2001); Tamil Nadu (Kallar – Takizawa, 1986).

**General distribution.** Oriental (Laos, India, Myanmar, Thailand, Vietnam) (Świętojańska, 2001; Borowiec & Świętojańska, 2024).

#### *Aspidomorpha (Aspidomorpha) orientalis* Boheman, 1856 (Fig. 9C)

*Aspidomorpha orientalis* Boheman, 1856:107. *Aspidomorpha olivacea* Wagener, 1881:49. *Aspidomorpha orientalis* var. *olivacea*: Maulik, 1919:336.

**Material examined.** 1 spec., with specific locality data (1031/9).

**Distribution in India.** Assam (Maulik, 1913; Bhalukpong – Borowiec, 2001); Arunachal Pradesh (Sekerka & Świętojańska, 2024) Himalaya (Spaeth, 1914c); Meghalaya (Tura – Borowiec, 2001); Punjab (Świętojańska, 2001); Sikkim (Maulik, 1919); Uttarakhand (Bhimtal, Kumaon – Maulik, 1913; Dehradun – Borowiec, 1990); Uttar Pradesh (Świętojańska, 2001); West Bengal (Darjeeling, Kolkata – Maulik, 1919; Ghosh et al., 2023).

**General distribution.** Oriental and Palaearctic (India) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Aspidomorpha (Aspidomorpha) sanctaecrucis (Fabricius, 1792) (Fig. 4F)***

*Cassida sanctaecrucis* Fabricius, 1792:446. *Cassida jamaicensis*: Olivier, 1790:386. *Aspidomorpha bajula* Boheman, 1854:288. *Aspidomorpha fraterna* Baly, 1863:11, 13.

**Material examined.** 1 spec., India, Arunachal Pradesh, Kameng, N. E. F. A., 12.v.1966, leg. K. C. Jairam (4380/H4A). 2 spec., India, Arunachal Pradesh, Changlang, Debar, 24.vi.2017, leg. J. Saini & Party (28826/H4A). 2 spec., India, Arunachal Pradesh, Namdapha, Miao, 01.iv.1981, leg. S. Biswas, det. C.R. Basu (17195/H4A). 18 spec., India, Jharkhand, Kolebirra Dam, Palkot Wildlife Sanctuary, 24.vii.2021, leg. Chitra J. 3 spec., India, Jharkhand, Tapkara Lake, Palkot Wildlife Sanctuary, 24.vii.2021, leg. Chitra J. (28502/H4A). 1 spec., India, Meghalaya, Tambo, Williamnagar, Garo, 11.iii.1944, leg. B.C. Das, det. C.R. Basu (16200/H4A). 1 spec., India, Meghalaya, E. Khasi Hills, Mawblong, 23.iv.1970, leg. G. M. Yasdani, det. R.K. Kacker (16201/H4A). 5 spec., India, Odisha "Orissa", Jharsaguda 31.x.1972, leg. J.M. Julka, det. C.R. Basu (16552/H4A). 3 spec., India, Odisha "Orissa", Sambalpur, 04.xi.1972, leg. J.M. Julka, det. C.R. Basu (16558/H4A). 1 spec., India, Odisha "Orissa", Sundargarh, 28.x.1972, leg. J.M. Julka, det. C.R. Basu (16561/H4A). 1 spec., India, Odisha "Orissa", Balangir, 03.xi.1972, leg. J.M. Julka, det. C.R. Basu (16562/H4A). 1 spec., India, Odisha "Orissa", Jubilee Park, 06.x.1972, leg. K. Rai, det. C.R. Basu (16564/H4A). 3 spec., India, Odisha "Orissa", Keonjhar, Barswan, 13.ix.1972, leg. S. Khera, det. C.R. Basu (16950/H4A). 4 spec., India, Odisha "Orissa", Titlagarh, 05.x.1972, leg. S. Khera, det. C.R. Basu (16953/H4A). 1 spec., India, Odisha "Orissa", Charbati, 27.ix.1972, leg. S. Khera, det. C.R. Basu (16958/H4A). 1 spec., India, Odisha "Orissa", Mahanadi River, 28.ix.1994, leg. S. Khera, det. C.R. Basu (16959/H4A). 2 spec., India, Odisha "Orissa", Sundargarh, 28.ix.1972, leg. S. Khera, det. C.R. Basu (16960/H4A). 1 spec., India, Chhattisgarh, Rampur, Durg, 03.iv.1972, leg. S. Gupta (23438/H4A). 2 spec., India, Chhattisgarh, Raipur, Barnawapara Wildlife Sanctuary, 17.vii.2013, leg. S. Gupta & party (28505/H4A). 1 spec., India, Chhattisgarh, Durg, Saja, 23.viii.2011, leg. Sumit & party (28506/H4A). 9 spec., India, Chhattisgarh, Durg, Bhilai, 19.viii.2011, leg. Sumit & party (28507/H4A). 1 spec., India, Chhattisgarh, Rampur, 24.viii.2011, leg. Sumit & party (28509/H4A). 5 spec., India, Chhattisgarh, Surguja, Jaigaon, 31.iv.2012, leg. A. Raha & Party (28827/H4A). 4 spec., India, Chhattisgarh, Kawardha, Sivnikala, 02.ix.2011, leg. Sunil Gupta & party (28503/H4A). 2 spec., India, Chhattisgarh, Kawardha, Chilpi, 27.08.2011, leg. Sunil & party (28504/H4A). 7 spec., India, West Bengal, Kolkata, 08.vi.1978, 7 exs., leg. S.K. Das (29238/H4A). 11 spec., India, West Bengal, Kolkata, 09.vii.1978, leg. S.K. Das (29239/H4A). 1 spec., India, West Bengal, Coochbehar, South Kharibari, 13.xi.2014, leg. B. Mitra (29555/H4A). 8 spec., India, West Bengal, Buxa Tiger Reserve, Garo Basti near mandir, 23.iii.2018, leg. S. I. Kazmi (29556/H4A).

**Distribution in India.** India (Spaeth, 1914c); Assam (Cachar, Sibsagar, Dikrang Valley, Missamari, Kaziranga, Kampur, Guwahati, Umrongso, Bhalunpong – Maulik, 1913, 1919; Vazirani, 1972; Kimoto, 1981; Borowiec, 2001, 2009); Arunachal Pradesh (Namdapha National Park – Basu, 1984); Chhattisgarh (Durg, Barnawapara Wildlife Sanctuary – Kalaihelvan & Verma, 2005; Chandra et al., 2018a, 2018f); Jharkhand (Chattopadhyay, 2020); Karnataka (Bengaluru, North Kannada, Mysore – Chikmagalur – Maulik, 1913, 1919; Borowiec, 1990); Kerala (Wayanad, Malabar, Thiruvananthapuram "Trivandrum", Trichur – Peechi, Walayar, Silent Valley National Park – Maulik, 1913, 1919; Borowiec, 1990; Madhya Pradesh (Bhopal – Chandra & Kushwaha, 2013; Gupta & Kushwaha, 2020); Meghalaya (Shillong, Garo Hills, East Khasi Hills, Williamnagar, Mawphlong, Jowai, Garo Hills, Balaphakram National Park, Umran – Maulik, 1913, 1919; Kimoto, 1981; Basu, 2000a; Borowiec, 1990, 2001); Maharashtra (Pune, Satara, Wai – Ghate et al., 2003; Borowiec & Świętojańska, 2007); Odisha (Berhampur, Sambalpur, Dhenkanal – Maulik, 1913, 1919; Basu & Halder, 1987); Punjab, Chandigarh (Pajni & Bansal, 1977; Gupta et al., 2019); Sikkim (Maulik, 1913, 1919; Kimoto, 1981); Tamil Nadu (Nilgiri Hills) (Borowiec, 1990); Tripura (Pandabpur – Agarwala & Bhattacharjee, 2012); Uttarakhand (Dehradun – Takizawa, 1985b); West Bengal (Bankura, Birbhum, "Calcutta" Kolkata, Sukna, Darjeeling, Jalpaiguri, Kurseong, Kalimpong, Malda, Murshidabad, Nadia, Pedong, Siligurim, Saraghat, Buxa Tiger Reserve – Maulik, 1913, 1919; Kimoto, 1981; Takizawa, 1985b; Borowiec, 1990; Raychaudhuri & Saha, 2014; Ghosh et al., 2023).

**General distribution.** Oriental (Laos, Myanmar, Nepal, Malaysia, Pakistan, Thailand, Sri Lanka, Vietnam) and Palearctic (Bhutan, China, Nepal, Pakistan) (Świętojańska, 2001; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

## Genus *Conchyloctenia* Spaeth, 1902

### *Conchyloctenia nigrovittata* (Boheman, 1854) (Fig. 4G)

*Cassida nigrovittata* Boheman, 1854:34.

**Material examined.** 1 spec., Nagpur CP, 24.vi.1916.

**Distribution in India.** Chhattisgarh (Durg – Kalaichelvan & Verma, 2005; Chandra et al., 2018f); Gujarat (Surat – Maulik, 1919; Świętojańska, 2001); Karnataka (Mysore, Kistna – Uppaluru – Borowiec, 1990; Świętojańska, 2001); Maharashtra (Nagpur, Pune – Maulik, 1919; Świętojańska, 2001; Ghate et al., 2003); Punjab (Chandigarh – Pajni & Bansal, 1977; Gupta et al., 2019); West Bengal (“Calcutta” Kolkata – Maulik, 1919; Świętojańska, 2001; Ghosh et al., 2023).

**General distribution.** Orietal (India) (Świętojańska, 2001; Borowiec & Świętojańska, 2024).

## Genus *Lacoptera* Boheman, 1854

### Subgenus *Lacopteroidea* Spaeth, 1952

#### *Lacoptera* (*Lacopteroidea*) *chinensis* Fabricius, 1798 (Fig. 4H)

*Cassida chinensis* Fabricius, 1798:84. *Lacoptera nepalensis* Boheman, 1855:76. *Lacoptera bohemani* Weise, 1910b:42. *Lacoptera thunbergi* Spaeth, 1914a:15.

**Material examined.** 6 spec., India, Arunachal Pradesh, Namdapha, Deban North, 28.iv.1981, leg. S. Biswas, det. C.R. Basu (17198/H4A). India, Arunachal Pradesh, Namdapha, 3 spec., 28.iv.1981, leg. S. Biswas, det. C.R. Basu (17200/H4A). 1 spec., India, Assam, Bishnupur, 23.x.1960, leg. S.N. Prashad, det. K.V.L. N. (1/H4A). 1 spec., India, Sikkim, Chu Funfun, 24.vii.1959, leg. A.G.K. Menon, det. T.G. Vazirani (1623/H4A). 2 spec., India, Sikkim, Gangtok, 16.viii.1959, leg. A.G.K. Menon, det. T.G. Vazirani (1624/H4A). 1 spec., India, Madhya Pradesh, Jabalpur, 14.ix.1962, leg. S. Chakraborty, det. K. Rai & B.N. Das (1624/H4A). 1 spec., India, Meghalaya, Shillong, 09.iv.1961, leg. A.K.B.S., det. T. G. Vazirani. (3902/H4A). 1 spec., India, Meghalaya, 30.iii.1960, leg. S. N. P., det. T.G. Vazirani (3903/H4A). 4 spec., India, Meghalaya, Jaintia Hills, Jowai, 27.ix.1988, leg. V.D. Srivastava, det. C.R. Basu (16209/H4A). 1 spec., India, Meghalaya, Jaintia Hills, Jowai, 25.ix.1988, leg. V.D. Srivastava, det. C.R. Basu (16211/H4A). 4 spec., India, Meghalaya, E. Khasi Hills, Shillong, 29.ix.1966, leg. S. Biswas, det. R.K. Kacker (16212/H4A). 2 spec., India, Odisha “Orissa”, Keonjhar, Barsuan, 13.ix.1972, leg. S. Khera, det. C.R. Basu (16982/H4A). 1 spec., India, West Bengal, Kalimpong, 17.ix.1959, leg. B.K. Tikadar, det. T.G. Vazirani (214/H4A); 4 spec., India, West Bengal, Tufanganj, 13.viii.1986, leg. T.K. Pal, det. C.R. Basu (1549/H4A).

**Distribution in India.** Andaman and Nicobar Islands (Andaman Islands – Spaeth, 1914c; Maulik, 1916; Świętojańska, 2001); Assam (Sibsagar, Kaziranga, Umrongso – Maulik, 1919; Kimoto, 1981; Borowiec, 2009); Arunachal Pradesh (Namdapha National Park – Basu, 1984); Bihar (Katihar – Maulik, 1919); Delhi (Takizawa, 1985a); Goa (Borowiec & Świętojańska, 2024); Himachal Pradesh (Solan – Takizawa, 1985a); Jharkhand (Ranchi – Chattopadhyay, 2020); Karnataka (Noorth Kannada, Mysore, Agumbe Ghat, Shimoga – Maulik, 1919; Borowiec, 1990); Kerala (Wayanad, Malabar, Trichur, Cochin, Kottayam, Peermade, Munnar, Kalar Valley, Pampadumpara, Nellipampathi, Mattupetty, Vellayani, Agasthyamala, Kannur, Calicut, Munnar, Kavalumpara – Spaeth, 1914c; Maulik, 1913, 1919; Takizawa, 1987; Borowiec, 1990, 2001; Madhya Pradesh (Jabalpur– Borowiec, 1990); Maharashtra (Pune, Ambavane – Borowiec, 2001; Ghate et al., 2003); Meghalaya (Shillong, Garo Hills, East Khasi Hills, Jaintia Hills – Jowari, Mooralong – Maulik, 1919; Kimoto, 1981; Borowiec, 1985, 1990; Basu, 2000a); Odisha (Daitari – Jajpur-Koenjahr – Borowiec, 1990); Sikkim (Chufin fun, Gangtok – Maulik, 1919; Vazirani, 1972; Kimoto, 1981); Tamil Nadu (Nilgiri Hills, Salem, Mettupalayam, Annamalai Hills, Nadugani – Maulik, 1913; Takizawa, 1985b, 1986; Borowiec & Takizawa, 1991); Tripura (Jampui – Agarwala & Bhattacharjee, 2012); Uttarakhand (Nainital, Bhimtal, Kumaon, Mussorie, Almora, Shivalik Hills, Dehradun, Karnaprayag, Kotdwara – Maulik, 1919; Kimoto, 1981; Takizawa, 1985a; Borowiec, 1990, 2001); West Bengal (Kolkata “Calcutta”, Mushidabad, Darjeeling, Mungpu, Pashok, Kalimpong, Siliguri, Buxa Tiger Reserve – Maulik, 1919; Kimoto, 1981; Takizawa, 1985b, 1989; Borowiec, 1990; Raychaudhuri & Saha, 2014; Ghosh et al., 2023).

**General distribution.** Oriental (Indonesia, India, Japan, Laos, Myanmar, Malaysia, Pakistan, Singapore,

Thailand, Vietnam and Palaearctic (India, Nepal, Taiwan) (Borowiec, 2001; Świętojańska, 2001; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

**Remarks.** Basu (1984), Takizawa (1985a, 1985b), Borowiec (1990), Raychaudhuri & Saha (2014) as *L. quadrimaculata*. Sekerka & Świętojańska (2024) have clarified the identity of *Laccoptera chinensis*, recognized as the taxon that was previously named *Laccoptera nepalensis* Boheman, 1855.

***Laccoptera (Laccopteroidea) quatuordecimnotata* Boheman, 1855 (Figs 41, 9D)**

*Laccoptera quatuordecimnotata* Boheman, 1855:64.

**Material examined.** 1 spec., India, Nilgiri (398/13). 1 spec., India, S. India, Coorg, 1943, leg. F. Hannyingto, det. S. Maulik (3356/H1); 1 spec., 1943 (1963/19).

**Distribution in India.** India (Spaeth, 1914c); Karnataka (North Kannada, Mysore, Coorg, Mercara, Chikmagalur, Shimoga – Maulik, 1919; Borowiec, 1990; Borowiec & Takizawa, 1991); Kerala (Wayanad, Kottayam, Peermade, Thatekkad, Munar, Kotagiri, Silent Valley National Park – Maulik, 1919; Borowiec, 1990, 2001, 2009; Maharashtra (Pune – Mulshi Lake, Malavali, Koyna – Ghate et al., 2003; Borowiec & Świętojańska, 2007); Tamil Nadu (Mettupalayam, Nilgiri Hills, Annamalai, Kallar – Takizawa, 1985b, 1986; Borowiec, 1990).

**General distribution.** Orietal (India, Sri Lanka) (Świętojańska, 2001; Borowiec & Świętojańska, 2024).

***Laccoptera (Laccopteroidea) tredecimpunctata* (Fabricius, 1801)**

*Cassida tredecimpunctata* Fabricius, 1801:398. *Aspidomorpha philippinensis* Blanchard, 1853:321.

**Distribution in India.** Andaman & Nicobar Islands (Andaman Islands – Maulik, 1913), Assam (Sibsagar: Maulik, 1913); Bihar (Katihar – Maulik, 1913); Karnataka (South Kanada – Maulik, 1919); Kerala (Cochin, Silent Valley National Park: Maulik, 1919); Meghalaya (Shillong – Maulik, 1913); Sikkim (Maulik, 1913); Tamil Nadu (Kumli, Nadugani – Takizawa, 1986; Borowiec & Takizawa, 1991; Borowiec, 2001, 2009); Uttarakhand (Nainital, Bhimtal, Kumaon – Maulik, 1913); West Bengal (“Calcutta” Kolkata, Murshidabad, Siliguri, Darjeeling, Mungpu – Maulik, 1913).

**General distribution.** Oriental (India, Cambodia, Indonesia, Malay Peninsula, Philippines and Thailand) and Palaearctic (China, India) (Borowiec, 2001; Świętojańska, 2001; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Laccoptera (Orphnodella) foveolata* (Boheman, 1856) (Fig. 5A)**

*Cassida foveolata* Boheman, 1856:116.

**Material examined.** 2 spec., India, Maharashtra, Pune, viii.1999, leg. H.V. Ghate (18073/H4A, 18074/H4A).

**Distribution in India.** Northern India (Maulik, 1919); Maharashtra (Sinhgarh, Pune – Lonavala, Bhushi Dam – Ghate et al., 2003; Borowiec & Świętojańska, 2007).

**General distribution.** Oriental (India, Myanmar) (Świętojańska, 2001; Ranade et al., 2004; Borowiec & Świętojańska, 2024).

***Laccoptera (Orphnodella) jawalagiriana* (Spaeth, 1936)**

*Sindia jawalagiriana* Spaeth, 1936:8.

**Distribution in India.** Tamil Nadu (North Salem, Jawalagiri – Świętojańska, 2001).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

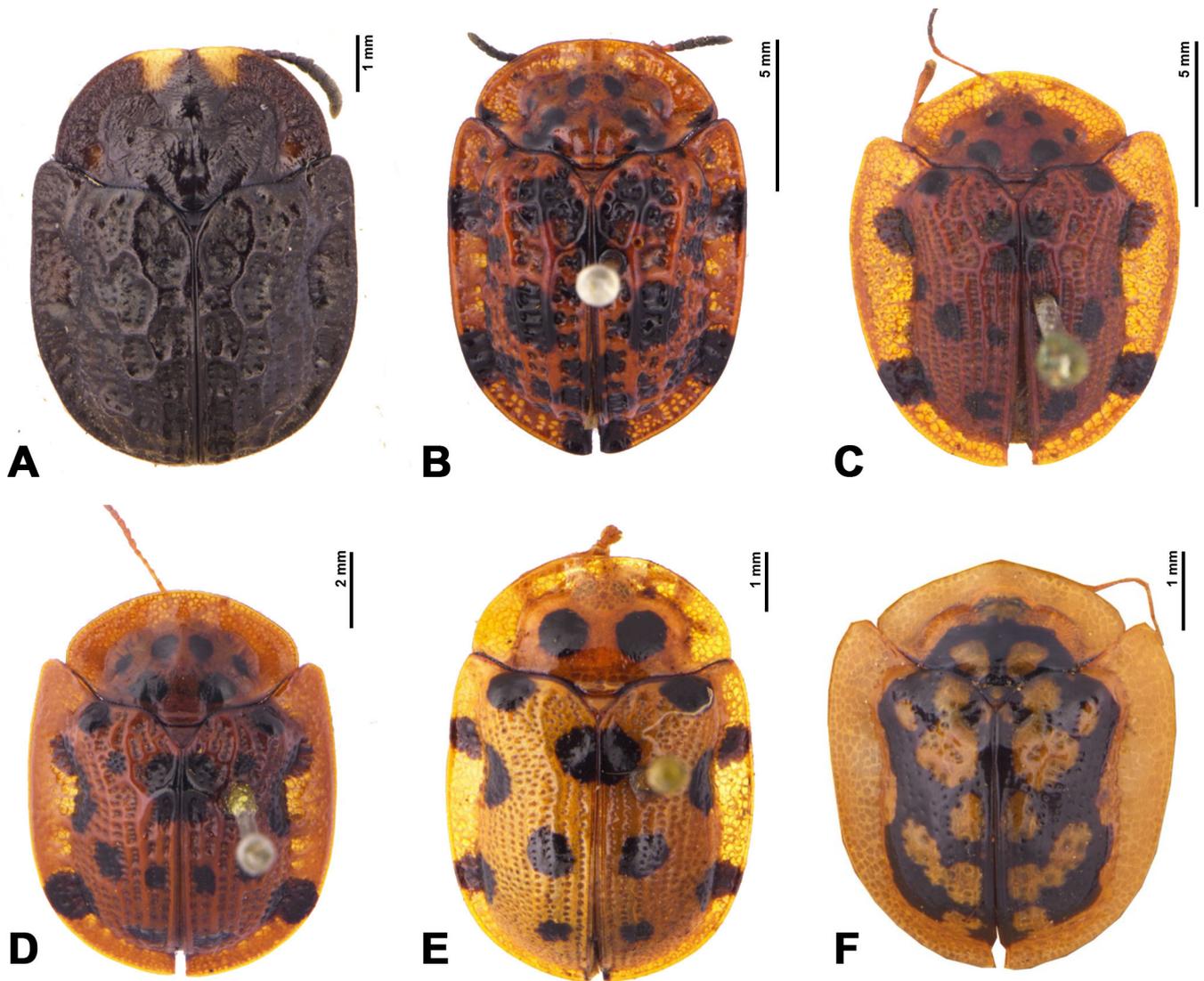
**Subgenus *Sindiola* Spaeth, 1903**

***Laccoptera (Sindia) depressa* Świętojańska, 2001**

*Laccoptera (Sindia) depressa* Świętojańska, 2001:267.

**Distribution in India.** Maharashtra (Mumbai “Bombay”, Khopoli – Świętojańska, 2001; Ghate et al., 2003).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).



**Figure 5.** Habitus of tortoise beetles. **A.** *Laccoptera* (*Orphnodella*) *foveolata* (Boheman, 1856); **B.** *Laccoptera* (*Sindia*) *sulcata* (Olivier, 1808); **C–D.** *Laccoptera* (*Sindiola*) *vigintisexnotata* Boheman, 1855; **E.** *Laccoptera* (*Sindiola*) *sedecimmaculata* (Spaeth, 1901); **F.** *Cassida australica* (Boheman, 1855).

***Laccoptera* (*Sindia*) *sulcata* (Olivier, 1808) (Fig. 5B)**

*Cassida sulcata* Olivier, 1808:950. *Cassida clathrata* Fabricius, 1798:83.

**Material examined.** 2 spec., India, Andhra Pradesh, Nagarjunkunda, 18.viii.1965, leg. B. Nath & K.K. Verma, det. K. Rai & B. C. Saha (25768/H4A). 4 spec., India, Andhra Pradesh, Nagarjun Kund Survey, 20.x.1965, leg. B. Nath, det. K. Rai & B. C. Saha (3265/H4A). 2 spec., India, Andhra Pradesh, 23.x.1963, leg. B. Nath, det. K. Rai & R. K. K. (3388/H4A). 2 spec., Nagarjun Konda, India, Andhra Pradesh, 01.xi.1963, leg. B. Nath, det. K. Rai (3490/H4A).

**Distribution in India.** India (Spaeth, 1914c); Chhattisgarh (Bilaspur – Chandra et al., 2018e); Kerala (Malabar – Maulik, 1919); Maharashtra (Nasik, Pune, Ahmednagar – Rehekuri Sanctuary – Maulik, 1919; Borowiec, 2001; Ghate et al., 2003); Puducherry (Karaikal – Borowiec, 1990; Takizawa & Kimoto, 1990); Tamil Nadu (“Madras” Chennai, Pudukkotai, Coimbatore – Takizawa, 1985b; Borowiec, 1990; Borowiec & Takizawa, 1991; Takizawa & Kimoto, 1990); West Bengal (Kolkata “Calcutta”, Malda, Murshidabad, Borio – Maulik, 1913, 1919; Borowiec, 1990).

**General distribution.** Oriental (India) (Świętojańska, 2001; Borowiec & Świętojańska, 2024).

**Remarks.** Takizawa (1985b), Borowiec (1990), and Takizawa & Kimoto (1990) are included as *S. clathrata*.

***Laccoptera (Sindiola) meghalayaensis* Świętojańska, 2001**

*Laccoptera (Sindiola) meghalayaensis* Świętojańska, 2001:280.

**Distribution in India.** Assam (Umrongso) and Meghalaya (Tura) (Świętojańska, 2001).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Laccoptera (Sindiola) novemdecimnotata* Boheman, 1855**

*Laccoptera (Sindiola) novemdecimnotata* Boheman, 1855:67.

**Distribution in India.** Assam (Boheman, 1855; Spaeth, 1914c).

**General distribution.** Oriental (India, Indonesia, Malaysia) (Borowiec, 1999; Świętojańska, 2001; Borowiec & Świętojańska, 2024).

***Laccoptera (Sindiola) vigintisexnotata* Boheman, 1855 (Figs 5C, 5D)**

*Laccoptera vigintisexnotata* Boheman, 1855:66.

**Material examined.** 6 spec., India, Meghalaya, Garo, Tura, 1200.1500 ft., 15.vii.1917, leg. S. W. Kemp, det. S. Maulik (6818/H4A). 1 spec., India, Meghalaya, Shillong (8143/12). 1 spec., India, Meghalaya, Shillong (8146/12). 1 spec., India, Meghalaya, Shillong (8113/12). 1 spec., India, West Bengal, Kolkata "Calcutta".

**Distribution in India.** Assam (Sibsagar, Cachar – Maulik, 1913, 1919; Borowiec, 1999, 2001); Meghalaya (Shillong, Tura – Maulik, 1913, 1919, Basu, 2000a); West Bengal (Darjeeling – Mungpu, Kolkata – Maulik, 1919; Ghosh et al., 2023).

**General distribution.** Oriental (India, Indonesia, Malaysia, Myanmar, Vietnam) (Borowiec, 1999, 2001; Świętojańska, 2001; Borowiec & Świętojańska, 2024).

**Subgenus *Sindiolina* Świętojańska, 2001*****Laccoptera (Sindiolina) sedecimmaculata* (Spaeth, 1901) (Figs 5E, 10E)**

*Cassida sedecimmaculata* Spaeth, 1901a:119.

**Material examined.** 1 spec., India, Arunachal Pradesh, Kameng, N. E. F. A., 25.vi.1961, leg. K.C. Jairamkrishnan, det. K. Rai (2470/H4A). 1 spec., India, Arunachal Pradesh, Kameng, N.E.F.A., 25.vi.1961, 1 ex., leg. K.C. Jairamkrishnan, det. T.G. Vazirani & B.N. Das (3653/H4A).

**Distribution in India.** Arunachal Pradesh (Kameng– Vazirani, 1972); Sikkim (Mungphu) (Maulik, 1919; Borowiec, 2001, 2009; Świętojańska, 2001).

**General distribution.** Oriental (Laos, Myanmar) and Palaearctic (China, India, Nepal Vietnam) (Świętojańska, 2001; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

**Genus *Nilgiraspis* Spaeth, 1932*****Nilgiraspis andrewesi* (Spaeth, 1914b)**

*Aspidomorpha andrewesi* Spaeth, 1914b:546.

**Distribution in India.** Karnataka (Coorg, Mysore, Shimoga, Agumbe Ghat – Borowiec, 1990, 2001; Takizawa, 1987); Kerala (Kallar Valley, Pampadumpara, Palakkad, Munnar – Borowiec, 2001); Tamil Nadu (Nilgiri Hills – Spaeth, 1914b; Maulik, 1919; Borowiec, 2009).

**General distribution.** Oriental (Laos, India Thailand) and Palaearctic (China) (Borowiec, 1999; Świętojańska, 2001; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

**Subtribe Cassidina Gyllenhal, 1813****Genus *Cassida* Linnaeus, 1758*****Cassida andrewesi* Weise, 1897**

*Cassida andrewesi* Weise, 1897:11.

**Distribution in India.** India (Spaeth, 1914c); Assam (Umrongso– Borowiec, 2001); Karnataka (North

Kanara, Ammatti – Weise, 1897; Maulik, 1919; Borowiec, 2001); Kerala (Peech Dam, Trichur, Kottayam–Borowiec & Takizawa, 1991; Borowiec, 2001); Tamil Nadu (Kotagiri– Borowiec, 2001); Uttarakhand (Bhimtal, Barkot– Borowiec, 1990).

**General distribution.** Oriental (India) and Palaearctic (India, Nepal, Pakistan) (Borowiec, 1999; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

#### ***Cassida antoni* Borowiec & Świętojańska, 1997**

*Cassida antoni* Borowiec & Świętojańska, 1997:278.

**Distribution in India.** Meghalaya (West Garo Hills, Tura, Nokrek National Park).

**General distribution.** Oriental (endemic to India) (Borowiec, 1999; 2001; Borowiec & Świętojańska, 2024).

#### ***Cassida atrosignata* Sekerka & Borowiec, 2008**

*Cassida atrosignata* Sekerka & Borowiec, 2008:615.

**Distribution in India.** Arunachal Pradesh (Mishimi Hills – Sekerka & Borowiec, 2008).

**General distribution.** Palaearctic (endemic to India) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

#### ***Cassida australica* (Boheman, 1855) (Fig. 5F)**

*Coptocycla australica* Boheman, 1855:257.

**Material examined.** 4 spec., India, West Bengal, Mahanadi, 1255m, 28.iv.1971, leg. A.R. Bhaumik (15560/H4A). 4 spec., India, West Bengal, Kolkata, Municipal School Compound, 02.v.1971, leg. A.R. Bhaumik (15562/H4A). 4 spec., India, West Bengal, Kolkata, Botanical Garden, 2000m, 11.v.1975, leg. J.K. Jonathan (15562/H4A).

**Distribution in India.** Jammu & Kashmir (Daksun – Kimoto, 1981); Sikkim (Kimoto, 1981), Tamil Nadu (Chennai “Madras”, Shembagnur – Maulik, 1919); Uttarakhand (Chaubattia: Borowiec, 1990); West Bengal (Darjeeling, Kurseong, Howrah, Buxa Tiger Reserve – Maulik, 1919; Spaeth, 1914c; Kimoto, 1981; Takizawa, 1985a, 1985b; Raychaudhuri & Saha, 2014; Ghosh et al., 2023).

**General distribution.** Oriental (India, Myanmar, Laos, Thailand, Vietnam) and Palaearctic (China, Nepal, Pakistan) (Borowiec, 2001, 1999; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

#### ***Cassida avia* (Weise, 1897)**

*Mettriona avia* Weise, 1897:143.

**Distribution in India.** Karnataka (Belgaum – Weise, 1897; Spaeth, 1914c; Maulik, 1919); Tamil Nadu (Annamalai Hills, Chennai “Madras”, Coimbatore – Takizawa, 1985b; Borowiec & Takizawa, 1991).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

#### ***Cassida belli* Weise, 1897**

*Cassida belli* Weise, 1897:112.

**Distribution in India.** India (Spaeth, 1914c); Karnataka (Belgaum – Weise, 1897; Maulik, 1919); Maharashtra (Kanheri, Pune – Borowiec, 1990; Ghate et al., 2003).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

#### ***Cassida belliformis* Maulik, 1919 (Figs 6A, 9E)**

*Cassida belliformis* Maulik, 1919:396.

**Material examined.** 1 spec., India, West Bengal, Bhutia Basti, 2000 m, 16.v.1974, leg. J.K. Jonathan (15577/H4A). 1 spec., India, West Bengal, Darjeeling Chawk, 2000 m 15.v.1974, leg. J.K. Jonathan (15578/H4A). 1 spec., India, West Bengal, Darjeeling, Rangiroom, 2000 m 23.v.1974, leg. J.K. Jonathan (15579/H4A). 1 spec., India, West Bengal, Kolkata, Botanical Garden, 2050 m, 16.v.1974, leg. J.K. Jonathan (15580/H4A).

**Distribution in India.** Sikkim (Lebong), West Bengal (Darjeeling, Kurseong, Howrah, Kolkata, Singalila National Park) (Maulik, 1919; Borowiec & Takizawa, 1991; Borowiec, 2001; Ghosh et al., 2023).

**General distribution.** Palaearctic (endemic to India) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Cassida catenata* (Boheman, 1855) (Fig. 6B)**

*Coptocyclus catenata* Boheman, 1855: 262.

**Material examined.** 1 spec., India, West Bengal, Calcutta, Dum Dum (4994/8). 1 spec., India, Uttarakhand, Kumaon, Bhimtaal, 4500 ft. 19.22.ix.1908 (598/19).

**Distribution in India.** South India (Spaeth, 1914c); Arunachal Pradesh (Namdapha National Park – Basu, 1984); Assam (Sibsagar – Borowiec, 1985, 1999); Meghalaya (West Garo Hills, Balphakram National Park – Borowiec, 2001); Sikkim (Borowiec, 2009); Tripura (Bagma, Shalgara – Basu, 2000b; Agarwala & Bhattacharjee, 2012); Uttarakhand (Bhimtal, Kumaon – Maulik, 1913, 1919); West Bengal (Darjeeling – Mungpu, Jalpaiguri, Kolkata – Maulik, 1913, 1919; Ghosh et al., 2023).

**General distribution.** Oriental (Myanmar, India, Indonesia, Malaysia, Thailand) and Palaearctic (Bhutan, India) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Cassida cherrapunjiensis* Maulik, 1919 (Fig. 9F)**

*Cassida cherrapunjiensis* Maulik, 1919:397.

**Distribution in India.** Meghalaya (Cherrapunjee – Maulik, 1919; Basu, 2000a; Nokrek National Park – Borowiec, 2001).

**General distribution.** Oriental (India, Laos, Vietnam) and Palaearctic (China) Borowiec, 1999, 2009; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Cassida circumdata* Herbst, 1799 (Figs 6C, 6D, 6E, 10A)**

*Cassida circumdata* Herbst, 1799:268. *Cassida circumdata* var. *dentata* Maulik, 1913:114. *Metriana circumdata* ssp. *polilloensis* Spaeth, 1933a:505. *Metriana circumdata* ab. *pescadorensis* Chujô, 1934:162. *Cassida U-fuscum* Wiedemann, 1823:74. *Cassida trivittata* Fabricius, 1801:397. *Metriana circumdata* ssp. *trivittata* ab. *Baeri* Spaeth, 1903:130. *Aspidomorpha effusa* Boheman, 1854:320. *Cassida cuticula* Gressitt, 1938:191. *Cassida nilgiriensis* Borowiec & Takizawa, 1991:642. *Coptocyclus luzonica*: Gemminger & Harold, 1876:3667.

**Material examined.** 1 spec., India, Maharashtra, Nagpur, 10.ii.1955, leg. A.P. Kapur (11947/H4). 2 spec., India, Maharashtra, Pune, 1996, leg. H.V. Ghate (17457-17458/H4a). 1 spec., India, West Bengal, Kolkata “Calcutta” (826/12), 1 spec., Garia, 01.i.1957, leg. A.P. Kapur (11941/H4A). 4 spec., India, West Bengal, Kolkata “Calcutta” (530/12, 4114/11, 4697/11, 4705/11). 1 spec., India, West Bengal, Kolkata “Calcutta”, Botanical Garden, 8.xi.1961 (15591/H4A), 2 spec., 10.xi.1961 (15585-15587/H4A), 1 spec., 14.xi.1961 (15589/H4A).

**Distribution in India.** India (Spaeth, 1914c); Andaman & Nicobar Islands (Andaman Islands– Borowiec, 1990); Arunachal Pradesh (Bhalukpog – Borowiec, 2001); Assam (Sibsagar– Borowiec, 1985); Chhattisgarh (Durg – Kalaichelavan & Verma, 2005; Chandra et al., 2018f); Goa (Borowiec, 2001); Karnataka (Bengaluru, Coorg, Shimoga, Mysore – Borowiec, 1990, 2001; Takizawa, 1985b; Borowiec & Takizawa, 1991); Kerala (Coromandel, Trichy, Vellayani, Perumpadavom, Ezhukone, Karuvarakundu, Thiruvananthapuram “Trivandrum”, Kottayam, Kallar Valley, Ponmundi – Maulik, 1913, 1919; Takizawa, 1985b; Borowiec, 1990, 2001; Borowiec & Takizawa, 1991; Madhya Pradesh (Bhopal – Chandra & Kushwaha, 2013; Gupta & Kushwaha, 2020); Maharashtra (Pune – Ghate et al., 2003); Meghalaya (Jowai, Tura – Borowiec, 2001); Odisha (Puri, Bhubaneswar, Balighai near Puri, Daitari, Jajpur, Koenjahr – Maulik, 1913, 1919; Borowiec, 1985, 1990; Basu & Halder, 1987); Puducherry (Karaikal – Borowiec, 2001); Rajasthan (Keoladev National Park, Bharatpur – George & Venkatraman, 1986; Takizawa, 1985b; Borowiec & Takizawa, 1991); Sikkim (Kimoto, 1981); Tamil Nadu (Nilgiri Hills,

Coimbatore, Madras, Nilgiri Hills-Cherangade, Annamalai Hills, Kallar – Maulik, 1913; Takizawa, 1985b, 1986; Borowiec & Takizawa, 1991); Tripura (Barpathri – Basu et al., 1981; Basu, 2000b; Agarwala & Bhattacharjee, 2012); Uttarakhand (Dehradun) (Maulik, 1913, 1919; Takizawa, 1985b); Uttar Pradesh (Hardoi – Srivastava, 2015); West Bengal (Kolkata “Calcutta”, Bankura, Murshidabad, Nadia – Maulik, 1913, 1919; Takizawa, 1985b; Ghosh et al., 2023).

**General distribution.** Oriental (Bangladesh, Indonesia, India, Laos, Malaysia, Philippines, Thailand, Vietnam, Sri Lanka) and Palaearctic (China, Japan, India, Nepal, Taiwan) (Borowiec, 1999; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

#### ***Cassida cognobilis* (Spaeth, 1926)**

*Cassida cognobilis* Spaeth, 1926d:88.

**Distribution in India.** Maharashtra (Ulhas Valley, Kahndala – Ghate et al., 2003).

**General distribution.** Oriental (Sri Lanka, Laos, India, Thailand) (Borowiec, 1999, 2001, 2009; Borowiec & Świętojańska, 2024).

#### ***Cassida conchylata* (Spaeth, 1914) (Fig. 6F)**

*Metriona conchylata* Spaeth, 1914b:564.

**Material examined.** 1 spec., India, West Bengal, Darjeeling, Mungphu, Himalayas below 5000ft, 1987.

**Distribution in India.** Assam (North Lakkimpur – Spaeth, 1914b, 1914c; Maulik, 1919); Sikkim (Borowiec & Świętojańska, 2024); West Bengal (Darjeeling, Mungpu, Buxa Tiger Reserve – Maulik, 1919; Raychaudhuri & Saha, 2014; Ghosh et al., 2023).

**General distribution.** Oriental (India, Myanmar, China, Laos, Malaysia, Thailand, Vietnam, and Palaearctic (China) (Borowiec, Borowiec, 1999, 2001, 2009; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

#### ***Cassida conspurcata* Boheman, 1854**

*Cassida conspurcata* Boheman, 1854:401.

**Distribution in India.** India (Spaeth, 1914c); Karnataka (North Kanara – Maulik, 1919); Kerala (Travancore – Boheman, 1854; Thiruvananthapuram “Trivandrum” – Maulik, 1919); Tamil Nadu (Coimbatore, Chennai “Madras” – Maulik, 1919; Borowiec & Takizawa, 1991; Borowiec, 2001); Tripura (Saydabari – Basu et al., 1981).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

#### ***Cassida dehradunensis* Borowiec & Takizawa, 1991**

*Cassida dehradunensis* Borowiec & Takizawa, 1991:641.

**Distribution in India.** Uttarakhand (Dehradun – Borowiec & Takizawa, 1991; Borowiec, 1999).

**General distribution.** Palaearctic (endemic to India) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

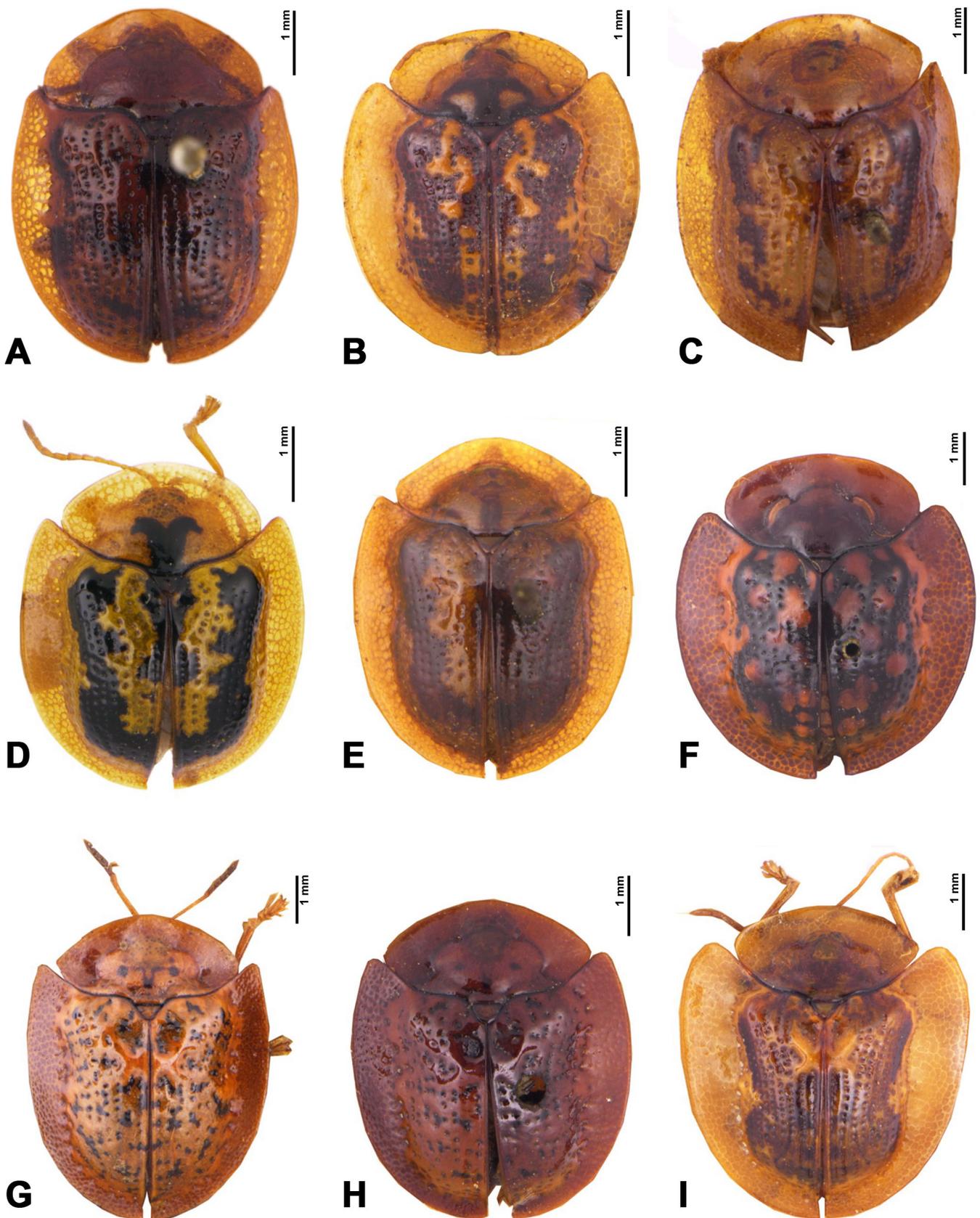
#### ***Cassida delesserti* Boheman, 1854 (Figs 6G, 6H)**

*Cassida delesserti* Boheman, 1854:408. *Cassida delesserti* var. *gemella* Spaeth, 1914b:55.

**Material examined.** 3 spec., India, Tamil Nadu, Nilgiri Hills, leg. A.K. Weld-Downing (1919–1921/H2).

**Distribution in India.** India (Spaeth, 1914c); Kerala (Peermade, Pooparai, Palni Hills – Borowiec, Borowiec, 1999, 2001, 2009); Puducherry (Borowiec & Takizawa, 1991); Tamil Nadu (Nilgiri Hills, Annamalai Hills, Cinchona – Spaeth, 1914b; Maulik, 1919; Takizawa & Kimoto, 1990; Borowiec & Takizawa, 1991).

**General distribution.** Oriental (endemic to India) (Borowiec, 1999; Borowiec & Świętojańska, 2024).



**Figure 6.** Habitus of tortoise beetles. **A.** *Cassida belliformis* Maulik 1919; **B.** *Cassida catenata* (Boheman, 1855); **C. D. E.** *Cassida circumdata* Herbst, 1799; **F.** *Cassida conchylata* (Spaeth, 1914); **G-H.** *Cassida delesserti* Boheman, 1854; **I.** *Cassida desultrix* (Spaeth, 1914).

***Cassida desultrix* (Spaeth, 1914b) (Fig. 6I)**

*Metriona desultrix* Spaeth, 1914b:566. *Metriona desultrix* ab. *florea* Spaeth, 1914b:566.

**Material examined.** 1 spec., India, West Bengal, Darjeeling, May-June, 1912, leg. Lord Carmichael (1900/H2).

**Distribution in India.** Bihar (Borowiec, 1999); Maharashtra (Khandala – Spaeth, 1914b, 1914c; Maulik, 1919); Sikkim (Spaeth, 1914b; Borowiec, Borowiec, 1999, 2001); Tamil Nadu (Shembaganm – Maulik, 1919); West Bengal (Darjeeling, Algarh-Labha – Spaeth, 1914b; Maulik, 1919; Borowiec, 1999; Ghosh et al., 2023).

**General distribution.** Oriental (India, Laos, Thailand) and Palaearctic (China, India, Nepal) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Cassida devalaensis* Borowiec & Takizawa, 1991**

*Cassida devalaensis* Borowiec & Takizawa, 1991:642.

**Distribution in India.** Kerala (Ponmudi, Idukki Wildlife Sanctuary – Borowiec, 2001); Maharashtra (Satara – Ghate et al., 2003); Tamil Nadu (Nilgiri Hills – Borowiec & Takizawa, 1991).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Cassida dorsonotata* Boheman, 1854**

*Cassida dorsonotata* Boheman, 1854:409. *Cassida aspectabilis* Spaeth, 1914b:557.

**Material examined.** 4 spec., without locality data, 03.x.1916, leg. S. Kemp (4425/H1, 1071/19, 3372/H1, 3370/H1).

**Distribution in India.** India (Spaeth, 1914bc); Karnataka (North Kanara – Maulik, 1919); South India (Borowiec, 1997); Sikkim (Sekerka & Świętojańska, 2024); Tamil Nadu (Shenbagnur, Madura, Nilgiri Hills, Annamalai Hills – Maulik, 1919; Takizawa, 1985b).

**General distribution.** Oriental and Palaearctic (endemic to India) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

**Remarks.** Spaeth (1914b) included as *C. aspectabilis*; Spaeth (1914c) as *C. dorsonotata*; and Maulik (1919) as *C. aspectabilis* and *C. dorsonotata*.

***Cassida ellipticollis* Spaeth, 1914**

*Cassida ellipticollis* Spaeth, 1914b:558.

**Distribution in India.** Tamil Nadu (Madura, Nilgiri Hills, Kodaikanal, Shembagnur – Spaeth, 1914bc; Maulik, 1919; Borowiec, 2001).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Cassida enervis* Boheman, 1862**

*Cassida enervis* Boheman, 1862:338.

**Material examined.** 9 spec., India, West Bengal, Kolkata “Calcutta”, Eden Garden 19.viii.1968, leg. R.L. Choudhury (15531/H4A). 36 spec., India, West Bengal, Kolkata “Calcutta”, 30.iii.1963, leg. S. Munsli (15534/H4A). 36 spec., India, West Bengal, Kolkata “Calcutta”, Zoo Garden, 31.iii.1960, leg. A.P. Kapur (15540/H4A). 3 spec., India, West Bengal, Kolkata “Calcutta”, 30.viii.1960, leg. A.P. Kapur (15541/H4A). 4 spec., India, West Bengal, Kolkata “Calcutta”, Dhapa, 23.viii.1961, leg. S. Ali (15542/H4A). 9 spec., India, West Bengal, Kolkata, Howrah, Sibpur, Botanical Garden, 10.xi.1961, leg. K.R.R. & S. Ali (15544/H4A). 4 spec., India, West Bengal, Kolkata, 27.x.1965, leg. K.R.R. (15547/H4A). 4 spec., India, West Bengal, Kolkata, 31.viii.1965, leg. K.S.P. & K.V.L. (15549/H4A). 64 spec., India, West Bengal, Kolkata “Calcutta”, Andul, 28.ix.1964, leg. G.S. Arora (15551/H4A). 1 spec., India, West Bengal, Hoogly, Pundooah, 29.i.1966, leg. K. S. Pradhan (15550/H4A). 1 spec., India, West Bengal, Barrackpur, 29.ix.1965, leg. O.B. Chhotani (15559/H4A). 1 spec., India, Uttar Pradesh, Hindon River, W. Ghaziabad, 04.x.1985, leg. C.W. & L.B.O' Brien (17264/H4A).

**Distribution in India.** Rajmehal, Bengal (Maulik, 1913); Chhattisgarh (Barnawapara Wildlife Sanctuary, Gomarda Wildlife Sanctuary – Chandra et al., 2018a, 2018b); Maharashtra (Mumbai “Bombay” – Spaeth, 1914c; Maulik, 1919); Punjab (Singh et al., 1985; Gupta et al., 2019); Uttar Pradesh (Varanasi, Lucknow, Shahjehanpur, Mahoba, Chitrakoot – Srivastava, 2015); West Bengal (Kolkata) (Ghosh et al., 2023).

**General distribution.** Oriental (endemic to India) (Borowiec & Świątojańska, 2024).

#### ***Cassida exilis* Boheman, 1854**

*Cassida exilis* Boheman, 1854:407.

**Material examined.** 14 spec., India, Chhattisgarh, Bhilai, leg. K.K. Verma (25768/H4A).

**Distribution in India.** India (Spaeth, 1914c); Bihar (Katihar, Purnea – Maulik, 1919); Chhattisgarh (Durg – Kalaichelavan & Verma, 2005; Chandra et al., 2018f); Haryana (Badkhal Lake – Borowiec & Takizawa, 1991; Ghosh et al., 2020); Karnataka (Dharwar) (Spaeth, 1914b); Madhya Pradesh (Panna National Park – Borowiec, 2001); Maharashtra (Pune, Ulhas Valley, Khandala, Satara, Wai – Ghate et al., 2003; Borowiec, 2001; Borowiec & Świątojańska, 2007); Puducherry (Spaeth, 1914b; Maulik, 1919); Punjab (Ludhiana – Singh et al., 1985; Gupta et al., 2019; Singh & Sharma, 2014); Tamil Nadu (Trichinopoly, Coimbatore, Chennai “Madras”, Salem – Spaeth, 1914b; Borowiec & Takizawa, 1991 – Borowiec, 2001); Uttarakhand (Narendra Nagar – Sekerka & Świątojańska, 2024).

**General distribution.** Oriental and Palaearctic (India, Pakistan) (Borowiec, 1999; Borowiec & Świątojańska, 2024; Sekerka & Świątojańska, 2024).

#### ***Cassida eximia* Borowiec & Ghate, 2004**

*Cassida eximia* Borowiec & Ghate, 2004:250.

**Distribution in India.** Tamil Nadu (Doddabetta Sanctuary, Nilgiri Hills, Udagamandalam, Ooty – Borowiec & Ghate, 2004).

**General distribution.** Oriental (endemic to India) (Borowiec & Świątojańska, 2024).

#### ***Cassida flavoguttata* Spaeth, 1914**

*Cassida flavoguttata* Spaeth, 1914b:555.

**Distribution in India.** Maharashtra (Satara, Bhimashankar – Ghate et al., 2003); Tamil Nadu (Nilgiri Hills – Spaeth, 1914b, Spaeth, 1914c; Maulik, 1919).

**General distribution.** Oriental (endemic to India) (Borowiec & Świątojańska, 2024).

#### ***Cassida flavoscutata* Spaeth, 1914**

*Cassida flavoscutata* Spaeth, 1914b:556.

**Distribution in India.** Himalaya (Spaeth, 1914c); Maharashtra (Mumbai “Bombay”, Khandala – Spaeth, 1914b; Maulik, 1919); Sikkim (Kimoto, 1981); Tamil Nadu (Chennai “Madras” – Spaeth, 1914b; Maulik, 1919); Tripura (Bagabasa – Agarwala & Bhattacharjee, 2012); Uttar Pradesh (Borowiec, 1999); Uttarakhand (Badrinath – Borowiec, 2001); West Bengal (Darjeeling – Kurseong, Barway – Spaeth, 1914b; Maulik, 1919).

**General distribution.** Oriental (India, Laos) and Palaearctic (China, India, Nepal, Pakistan) (Borowiec, 1999; Borowiec & Świątojańska, 2024; Sekerka & Świątojańska, 2024).

#### ***Cassida fuscosparsa* Boheman, 1854**

*Cassida fuscosparsa* Boheman, 1854:473.

**Distribution in India.** Assam (Spaeth, 1914c; Maulik, 1919; Borowiec, 1999).

**General distribution.** Oriental (endemic to India) (Borowiec & Świątojańska, 2024).

***Cassida glabella* Boheman, 1854**

*Cassida glabella* Boheman, 1854:428.

**Distribution in India.** Tamil Nadu (Nilgiri Hills – Spaeth, 1914c; Maulik, 1919; Borowiec, 1999).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Cassida icterica* Boheman, 1854**

*Cassida icterica* Boheman, 1854:400. *Cassida petulans* Spaeth, 1914b:550.

**Material examined.** 1 spec., India, Sikkim, 19.iii.1959, leg. J.A.G.K. Menon (3416/H4A).

**Distribution in India.** India (Spaeth, 1914c); Himachal Pradesh (Shimla – Sekerka & Świętojańska, 2024); Karnataka (Mysore, Shimmoga – Borowiec, 2001); Sikkim (Vazirani, 1972); Tamil Nadu (Shembagnur, Madura, Chennai “Madras”, Nilgiri Hills – Spaeth, 1914b; Maulik, 1919; Borowiec & Takizawa, 1991); Uttarakhand (Mussoorie, Almora, Chaubattia, Barkot – Boheman, 1854; Maulik, 1919; Borowiec, 1990); West Bengal (Darjeeling, Kalimpong, Buxa Tiger Reserve – Maulik, 1919; Borowiec, 1990; Raychaudhuri & Saha, 2014).

**General distribution.** Oriental (Indonesia, India, Laos, Malaysia, Myanmar, Thailand, Vietnam) and Palaeartic (China, India, Nepal, Pakistan) (Borowiec, 1999; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

**Remarks.** Spaeth (1914b) Maulik (1919) included as *C. petulans*.

***Cassida ictericiformis* Borowiec, 2009**

*Cassida ictericiformis* Borowiec, 2009:476.

**Distribution in India.** Arunachal Pradesh (Dirang, Bhalukpog) and Meghalaya (Tura) (Borowiec, 2009).

**General distribution.** Oriental and Palaeartic (endemic to India) (Borowiec & Świętojańska, 2024).

***Cassida imbecilla* (Boheman, 1862)**

*Coptocyclus imbecilla* Boheman, 1862:441.

**Distribution in India.** Punjab and Chandigarh (Pajni & Bansal, 1977).

**General distribution.** Oriental (India, Sri Lanka) (Borowiec & Świętojańska, 2024).

***Cassida informis* Boheman, 1862**

*Cassida informis* Boheman, 1862:312.

**Distribution in India.** Karnataka (North Kanara – Maulik, 1919); Maharashtra (Mumbai “Bombay”, Pune – Lonavla, Amba Valley – Borowiec, 1999, 2001; Ghate et al., 2003; Borowiec & Świętojańska, 2007).

**General distribution.** Oriental (India) and Palaeartic (China) (Borowiec & Świętojańska, 2024).

***Cassida justa* Spaeth, 1914**

*Cassida justa* Spaeth, 1914b:554.

**Distribution in India.** Sikkim, Maharashtra (Mumbai “Bombay”, Khandala), Uttarakhand (Sekerka & Świętojańska, 2024) and West Bengal (Kurseong) (Spaeth, 1914b, 1914c; Maulik, 1919; Borowiec, 1999).

**General distribution.** Oriental and Palaeartic (endemic to India) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Cassida manipuria* Maulik, 1923**

*Cassida manipuria* Maulik, 1923:606.

**Distribution in India.** Manipur (Maulik, 1923).

**General distribution.** Oriental and Palaeartic (China, India, Myanmar) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Cassida mishmiensis* Sekerka & Borowiec, 2008**

*Cassida mishmiensis* Sekerka & Borowiec, 2008:612.

**Distribution in India.** Arunachal Pradesh (Mishimi Hills).

**General distribution.** Palaearctic (India) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Cassida moori* Boheman, 1856**

*Cassida moori* Boheman, 1856:124. *Cassida* (*Lordicassis*) *undecimnotata moori*: Spaeth & Reitter, 1926:27.

**Distribution in India.** North India (Spaeth, 1914c; Maulik, 1919).

**General distribution.** Palaearctic (China, Kazakhstan, Kyrgyzstan, India) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Cassida mysorensis* Borowiec & Świętojańska, 1996**

*Cassida mysorensis* Borowiec & Świętojańska, 1996:467.

**Distribution in India.** Karnataka (Mysore, Shimoga, Agumbe Ghat – Borowiec & Świętojańska, 1996).

**General distribution.** Oriental (endemic to India).

***Cassida nepalica* Medvedev, 1977**

*Cassida nepalica* Medvedev, 1977:265.

**Distribution in India.** Uttarakhand (Bhimtal – Borowiec, 2001).

**General distribution.** Palaearctic (India, Nepal) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Cassida nigriventris* Boheman, 1854 (Fig. 7A)**

*Cassida nigriventris* Boheman, 1854:30. *Cassida pallida* Hope, 1831:30. *Cassida hopei* Spaeth, 1914c:113.

**Material examined.** 1 spec., India, Chhattisgarh: Dhamtari, Gaheur Sighar, 03.iv.1995, leg. S.K. Gupta (23338/H4A). 16 spec., India, West Bengal, Mahanadi, 1255m, 28.iv.1971, leg. A.R. Bhaumik (15565/H4A). 1 spec., India, West Bengal, Kolkata “Calcutta”, Botanical Garden, 16.v.1974, leg. J.K. Jonathan (15569/H4A). 1 spec., India, West Bengal, Rangpo, 08.iv.1973, leg. H.S. Sharma (15570/H4A). 1 spec., India, West Bengal, Kurseong, 1745m, 15.v.1979, leg. M.S. Shishodia (15571/H4A).

**Distribution in India.** Indian Himalaya (Spaeth, 1914b, 1914c); Arunachal Pradesh (Dirang – Borowiec, 2009); Assam (Kaziranga, Umrungso – Kimoto, 1981; Borowiec, 2001); Bihar (Palamou National Park – Borowiec, 2001); Chhattisgarh (Barnawapara Wildlife Sanctuary, Udanti Sitanadi Tiger Reserve – Chandra et al., 2018a,c); Haryana (Kalka), Himachal Pradesh (Shimla, Chopal, Solan, Manali – Maulik, 1919; Kimoto, 1981; Borowiec, 1985; Takizawa, 1983, 1985a; Chandra et al., 2021); Karnataka (Shimoga – Borowiec, 1999); Kerala (Kothmanglam – Borowiec, 2009); Meghalaya (Shillong, Tura – Borowiec, 1985, 2001); Odisha (Bhubneshwar – Borowiec, 1985); Sikkim (Gangtok – Kimoto, 1981); Tamil Nadu (Kumli – Borowiec, 2001); Uttarakhand (Almora, Kumaon, Bhimtal, Dehradun, Sahastradhara, Barkot, Nangaon, Sattal, Bhimtal, Karnaprayag, Mussorie, Rishikesh – Maulik, 1919; Kimoto, 1981; Borowiec, 1985, 1990, 2001, 2009); West Bengal (Darjeeling, Gharap, Goomti, Kolkata, Murshidabad – Maulik, 1919; Kimoto, 1981; Borowiec, 1999; Ghosh et al., 2023).

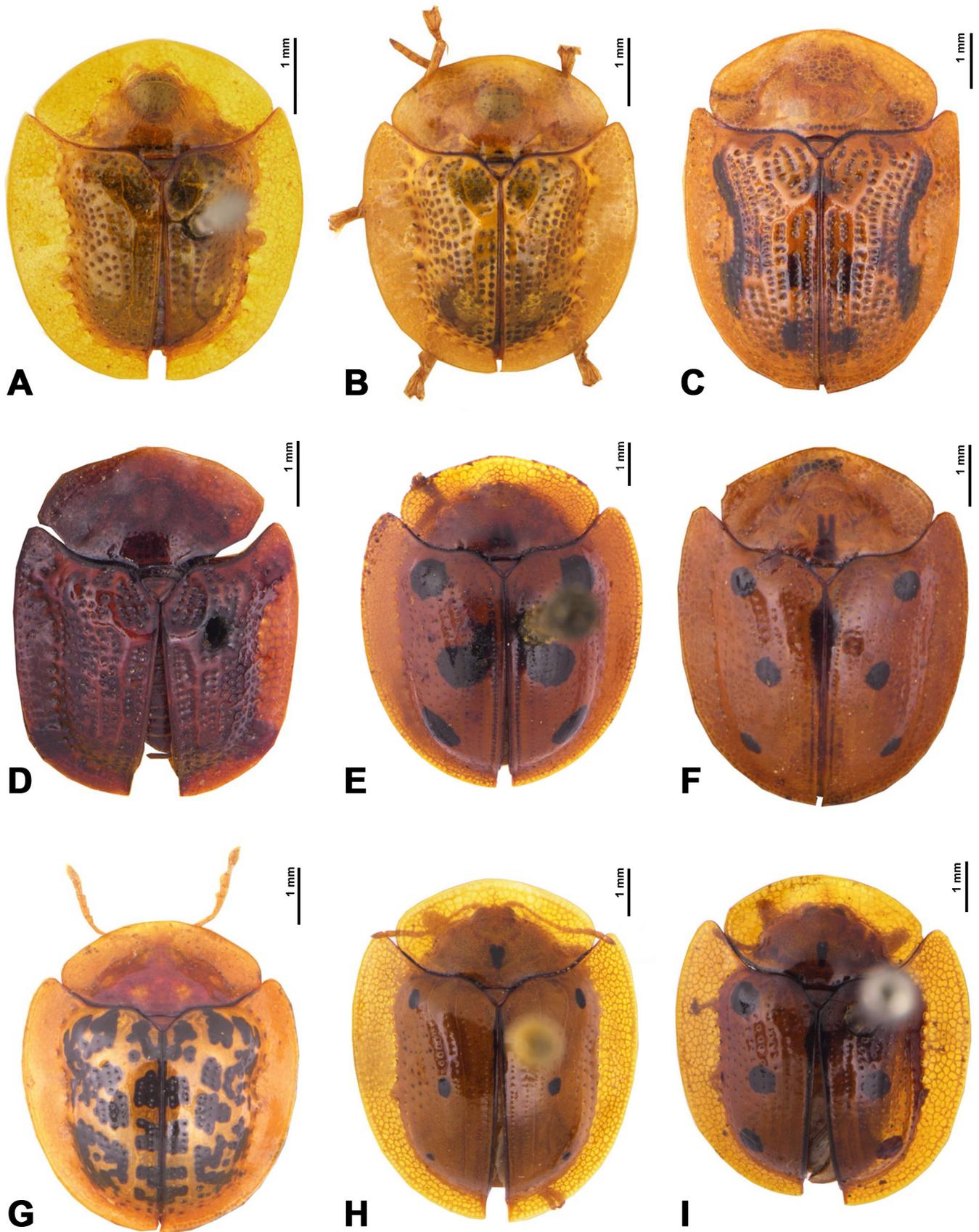
**General distribution.** Oriental (India, Pakistan, Thailand, Vietnam) and Palaearctic (Bhutan, China, India, Nepal) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Cassida nigrohumeralis* Borowiec & Ghate, 2004**

*Cassida nigrohumeralis* Borowiec & Ghate, 2004:247.

**Distribution in India.** Tamil Nadu (Chennai, “Madras”, Annamalai Hills, Cinchona – Borowiec & Ghate, 2004).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).



**Figure 7.** Habitus of tortoise beetles. **A.** *Cassida nigriventris* Boheman, 1854; **B.** *Cassida obtusata* Boheman, 1854; **C.** *Cassida occursans* Spaeth, 1914; **D.** *Capellocassis dorsata* (Duvivier, 1891); **E.** *Chiridopsis andamanica* (Dohrn, 1880); **F.** *Chiridopsis bipunctata* (Linnaeus, 1767); **G.** *Chiridopsis mimica* (Weise, 1905); **H-I.** *Chiridopsis selecta* (Weise, 1905).

***Cassida nilgirica* Spaeth, 1914***Cassida nilgirica* Spaeth, 1914b:549.**Distribution in India.** Tamil Nadu (Chennai, "Madras", Nilgiri Hills – Spaeth, 1914b, 1914c; Maulik, 1919).**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).***Cassida nysea* Spaeth, 1926***Cassida nysea* Spaeth, 1926b:13.**Distribution in India.** Tamil Nadu (Madurai, Kodaikanal, Kalakkadu – Borowiec, 1999, 2001).**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).***Cassida obtusata* Boheman, 1854 (Fig. 7B)***Cassida obtusata* Boheman, 1854:465. *Cassida junio* Boheman, 1862:324. *Cassida pusillula* Boheman, 1862:327. *Cassida interstitialis* Spaeth, 1901b:12. *Cassida residua*: Weise, 1901:53. *Cassida (Odontionycha) picifrons* Weise, 1908:259.**Material examined.** 10 spec., India, West Bengal, Darjeeling, Tung, 25.iii.1978, leg. C.R. Basu (15572-15575/H4A).**Distribution in India.** India (Spaeth, 1914c); Assam (Guahati – Borowiec, 1985); Chhattisgarh (Durg – Kalaichelavan & Verma, 2005; Chandra et al., 2018f); Kerala (Trichur – Takizawa, 1985b; Borowiec & Takizawa, 1991); Maharashtra (Pune – Ghate et al., 2003); Meghalaya (Garo Hills, East Garo Hills – Kimoto, 1981; Basu, 2000a); Sikkim (Takizawa, 1985a; Borowiec & Takizawa, 1991); Uttarakhand (Bhimtal, Kumaon – Maulik, 1919); Uttar Pradesh (Ghaziabad – Takizawa, 1985b; Borowiec & Takizawa, 1991); West Bengal (Darjeeling, Mungpu, Kolkata, Salt Lake, Nalban – Maulik, 1919; Borowiec, 1990; Ghosh et al., 2023).**General distribution.** Oriental (India, Myanmar, Pakistan, Thailand, Vietnam) and Palaearctic (China, India, Nepal) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).**Remarks.** Maulik (1919) included as *C. pusillula*.***Cassida occursans* Spaeth, 1914 (Fig. 7C)***Cassida occursans* Spaeth, 1914b:560.**Material examined.** 2 spec., India, Meghalaya, Garo Hills, Tura, 1200-1500ft., 07.viii.1917, leg. S.W. Kemp (6836/H4A). 4 spec., India, Meghalaya, Khasi Hills, Umsing, 03.iv.1991, leg. S.K. Saha (16207/H4A). 4 spec., India, Arunachal Pradesh, Kameng, N.E.F.A., 15.v.1961, leg. K.C. Jairamkrishna (2188/H4A). 2 spec., India, Arunachal Pradesh, Namdapha, Hornbill, 14.iv.1981, leg. S. Biswas (17201/H4A).**Distribution in India.** Assam (Umrongso – Spaeth, 1914b, Spaeth, 1914c; Maulik, 1919; Borowiec, 2001); Arunachal Pradesh (Kameng, Ankaling, Bhalukpog, Namdapha National Park – Vazirani, 1972; Basu, 1984; Borowiec, 2001); Bihar (Borowiec, 1999); Meghalaya (Shillong, West Garo Hills, Tura, Nokrek National Park, Ri-Bhoi, Umsning – Takizawa, 1983; Borowiec, 2001; Basu, 2000a); Sikkim (Spaeth, 1914b, Spaeth, 1914c; Maulik, 1919; Kimoto, 1981); West Bengal (Darjeeling, Mungpu, Bathan, Ralie – Spaeth, 1914b, Spaeth, 1914c; Maulik, 1919; Kimoto, 1981; Borowiec, 1990).**General distribution.** Oriental (India) and Palaearctic (Bhutan, China, India, Nepal, Pakistan) (Borowiec & Świętojańska, 2024).***Cassida pagana* (Boheman, 1855)***Coptocyclus pagana* Boheman, 1855:213.**Distribution in India.** Karnataka (North Kanara: Spaeth, 1914c; Maulik, 1919).**General distribution.** Oriental (India, Indonesia) (Borowiec, 1999; Borowiec & Świętojańska, 2024).

***Cassida pacholatko* Sekerka & Borowiec, 2008**

*Cassida pacholatko* Sekerka & Borowiec, 2008:616.

**Distribution in India.** Meghalaya (Cherrapunjee).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Cassida pauxilla* Boheman, 1854**

*Cassida pauxilla* Boheman, 1854:406. *Cassida horni* Weise, 1901:54.

**Distribution in India.** India (Spaeth, 1914c); Tamil Nadu (Coimbatore – Takizawa, 1985b); West Bengal (Buxa Tiger Reserve – Raychaudhuri & Saha, 2014).

**General distribution.** Oriental (India, Sri Lanka) (Borowiec, 1999; Borowiec & Świętojańska, 2024).

**Remarks.** Raychaudhuri & Saha (2014) included this species from West Bengal as *Cassida horni*.

***Cassida perplexa* (Chen & Zia, 1961)**

*Taiwania perplexa* Chen & Zia, 1961:445.

**Distribution in India.** Assam (Umroingso – Borowiec, 2001); Meghalaya (Shillong, Tura – Borowiec, 2001).

**General distribution.** Oriental (India, Laos, Thailand, Vietnam) and Palaeartic (China) (Borowiec, 2009; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Cassida plausibilis* (Boheman, 1862)**

*Coptocyclus plausibilis* Boheman, 1862:395. *Mettriona objecta* Spaeth, 1919:203.

**Distribution in India.** Assam and Andaman & Nicobar Islands (Andaman Islands) (Borowiec, 1999, 2001, 2009).

**General distribution.** Oriental (Cambodia, India, Laos, Malaysia, Thailand, Vietnam) and Palaeartic (China) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Cassida pulvinata* Boheman, 1854**

*Cassida pulvinata* Boheman, 1854:440.

**Material examined.** 1 spec., India, Tamil Nadu, Palni Hills, 23.ix.1923, leg. S. Kemp (8961/H4A).

**Distribution in India.** Chhattisgarh (Durg – Kalaichelavan & Verma, 2005; Chandra et al., 2018f); Puducherry (Karikal), Tamil Nadu (Nilgiri Hills, Coimbatore, Chennai “Madras”, Palni Hills) (Spaeth, 1914c; Maulik, 1919; Borowiec & Takizawa, 1991; Borowiec, 1999).

**General distribution.** Oriental (endemic to India)(Borowiec & Świętojańska, 2024).

***Cassida rati* Maulik, 1923**

*Cassida rati* Maulik, 1923:605.

**Distribution in India.** Manipur (Maulik, 1923).

**General distribution.** Oriental (Indonesia, India, Laos, Myanmar, Vietnam) and Palaeartic (China, Taiwan) (Borowiec, 1999, 2001; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Cassida ruralis* (Boheman, 1862)**

*Cassida ruralis* Boheman, 1862:461.

**Distribution in India.** Karnataka (Belgaum – Spaeth, 1914c; Maulik, 1919; Borowiec, 2001, 2009); Kerala (Peermade – Borowiec, 1990); Meghalaya (Shillong, Khasi Hills – Borowiec, 1990).

**General distribution.** Oriental (India, Indonesia, Myanmar, Malaysia) and Palaeartic (China, Nepal, Taiwan) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Cassida saginata* Spaeth, 1914**

*Cassida saginata* Spaeth, 1914b:553.

**Distribution in India.** Goa (Borowiec & Takizawa, 1991; Borowiec, 2001); Karnataka (Shimoga, Mysore – Borowiec & Takizawa, 1991; Borowiec, 2001); Maharashtra (Kanheri, Satara, Bhimashankar – Borowiec, 1990; Ghate et al., 2003); Tamil Nadu (Nilgiri Hills – Spaeth, 1914b, Spaeth, 1914c; Maulik, 1919).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Cassida septemdecimpunctata* (Boheman, 1855)**

*Coptocyclus septemdecimpunctatus* Boheman, 1855:117.

**Distribution in India.** India (Maulik, 1919).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Cassida signifera* Weise, 1905**

*Cassida signifera* Weise, 1905:123.

**Distribution in India.** Tamil Nadu (Nilgiri Hills – Maulik, 1919; Borowiec, 1999).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Cassida socialis* Spaeth, 1926**

*Cassida socialis* Spaeth, 1926d:86.

**Distribution in India.** Kerala (Barwag, Malabar, Mahe).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Cassida spissa* Weise, 1897**

*Cassida spissa* Weise, 1897:112.

**Distribution in India.** Karnataka (Kanara – Spaeth, 1914c; Maulik, 1919).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Cassida stevensi* Sekerka, 2011**

*Cassida stevensi* Sekerka, 2011:499.

**Distribution in India.** Assam, Sikkim, and West Bengal (Darjeeling – Gopaldhara, Rungbong Valley) (Sekerka, 2011; Borowiec, 1999).

**General distribution.** Oriental (India, Myanmar) (Borowiec & Świętojańska, 2024).

***Cassida stupa* Maulik, 1919 (Fig. 10C)**

*Cassida stupa* Maulik, 1919:377.

**Distribution in India.** West Bengal (Kolkata “Calcutta”, Buxa Tiger Reserve – Maulik, 1919; Borowiec, 1999; Raychaudhuri & Saha, 2014).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Cassida subtilis* Weise, 1897**

*Cassida subtilis* Weise, 1897:111.

**Distribution in India.** Karnataka (Kanara, Belgaum, Coorg, Mysore – Spaeth, 1914c; Maulik, 1919; Borowiec, 1990, 2001); Kerala (Peermade, Cardamom Hills, Tekkady, Pambayiar – Borowiec, 1990, 2001); Maharashtra (Kanheri – Borowiec, 1990); Tamil Nadu (Nilgiri Hills, Chennai “Madras”, Nadugani, Coonoor, Kodaikanal, Mahabaleshwar – Spaeth, 1914c; Maulik, 1919; Borowiec & Takizawa, 1991).

**General distribution.** Oriental (India, Myanmar, Pakistan, Sri Lanka) (Borowiec & Świętojańska, 2024).

### *Cassida varians* Herbst, 1799

*Cassida varians* Herbst, 1799:269. *Cassida syratica* Boheman, 1856:129. *Cassida rugulosa* Boheman, 1856:129. *Coptocyclus purulenta* Boheman, 1862:436. *Cassida consors* Spaeth, 1938:234.

**Material examined.** 1 spec., India, Bihar: Dinapur, 23.i.1915, leg. Caunte, det., S. Maulik (4101/21). 1 spec., India, Odisha "Orissa", Balighat, Nr. Puri, 16.viii.1917, leg. N.A & F.G.H., det., Maulik (1079/19). 5 spec., India, West Bengal, Kolkata "Calcutta", 11.viii.1954, leg. A. Sarkar (9730/H4, 9734-9738/H4). 1 spec., India, West Bengal, North Bengal, Bhogaon, 22.xii.1909, leg. C. Palva (1068/19). 1 spec., India, West Bengal, 22.xii.1909, leg. C. Palva, det., S. Maulik (1637/19); 1 spec., India, West Bengal, leg. Ranehi Irvine., det., Maulik (18003/18). 1 spec., India, West Bengal, Kolkata "Calcutta" Dum Dum, leg. G.S. Patterson, det., Maulik (4993/8). 1 spec., det., Maulik (4104/10). 1 spec., 1914, det., S. Maulik (4103/12). 1 spec., India, West Bengal, Kolkata, 06.1914, leg. F.H., det., S. Maulik (4098/21).

**Distribution in India.** Arunachal Pradesh (Dirang, Etalin – Sekerka & Świętojańska, 2024); Assam (Borowiec & Świętojańska, 2007); Bihar (Borowiec & Świętojańska, 2007); Chhattisgarh (Borowiec & Świętojańska, 2007); Himachal Pradesh (Shimla, Solan, Chail, Chopal-Khangna – Kimoto, 1981; Takizawa, 1983, 1985b; Borowiec, 1985; Chandra et al., 2021); Karnataka (Coorg, Shimoga, Agumbe Ghat, Mysore, Shimoga – Borowiec, 1990, 2001); Kerala (Cochin, Parambikulam, Kottayam – Maulik, 1919; Takizawa, 1987; Borowiec & Świętojańska, 2007); Maharashtra (Kanheri, Bhimashankar, Lonavala, Kas, Amboli, Pune – Lonavla, Bhushi Dam – Borowiec, 1990; Ghate et al., 2003; Borowiec, 2001, 2009; Borowiec & Świętojańska, 2007); Meghalaya (Shillong, West Garo Hills, Tura, East Khasi Hills, Cherrapunji – Maulik, 1919; Basu, 2000a; Borowiec, 2001); Odisha (Balighat); Puducherry (Karaikal – Takizawa & Kimoto, 1990); Punjab (Borowiec & Świętojańska, 2007); Sikkim (Spaeth, 1914b, Spaeth, 1914c; Kimoto, 1981); Tamil Nadu (Nilgiri, Salem, Annamalai Hills, Kotagiri – Spaeth, 1914b, Spaeth, 1914c. Borowiec & Takizawa, 1991; Borowiec, 2001, 2009); Uttarakhand (Almora, Kumaon, Ranikhet, Bhimtal, Uttarkashi, Mussorie, Garhwal, Joshimath, Kumaon, Karnaprayag, Badrinath, Gaurikund, Rishikesh – Maulik, 1919; Kimoto, 1981; Takizawa, 1983, 1985b; Borowiec, 1985, 1999, 2001); Uttar Pradesh (Borowiec & Świętojańska, 2007); West Bengal (Darjeeling, Kurseong, Kalimpong, Ghoom, Pareshnath, Kolkata "Calcutta", Sarda, Buxa Tiger Reserve – Maulik, 1913, 1919; Kimoto, 1981; Borowiec, 1990, 1997; Borowiec & Świętojańska, 2007; Raychaudhuri & Saha, 2014; Ghosh et al., 2023).

**General distribution.** Oriental (India, Myanmar, Pakistan) and Palaearctic (Bhutan, China, India, Nepal) (Borowiec, 1999; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

**Remarks.** Spaeth (1914bc), Borowiec (1997) and Borowiec (1985) as included as *Cassida syratica*.

### Genus *Capelocassis* Spaeth, 1952

#### *Capelocassis dorsata* (Duvivier, 1891) (Fig. 7D)

*Cassida dorsata* Duvivier, 1891:50.

**Material examined.** 1 specimen from Kanara without further data.

**Distribution in India.** Maharashtra (Pune – Ghate et al., 2003); Tamil Nadu (Kotagii, "Madras" Chennai – Borowiec, 1990, 2001); Uttarakhand (Rishikesh – Borowiec, 2001).

**General distribution.** Oriental and Palaearctic (endemic to India) (Borowiec & Świętojańska, 2024).

### Genus *Chiridopsis* Spaeth, 1922

#### *Chiridopsis acutangula* (Weise, 1905)

*Chirida acutangula* Weise, 1905:127.

**Distribution in India.** Tamil Nadu (Nilgiri Hills – Spaeth, 1914c; Maulik, 1919; Borowiec, 1999).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

#### *Chiridopsis andamanica* (Dohrn, 1880) (Fig. 7E)

*Coptocyclus andamanica* Dohrn, 1880:370.

**Material examined.** 3 spec., India, Andaman Islands (5247/5).

**Distribution in India.** Andaman and Nicobar Islands (Andaman Islands, Nicobar Islands – Maulik, 1913, 1919; Spaeth, 1914c); Karnataka (Mysore, Coorg – Borowiec, 1990).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Chiridopsis bipunctata* (Linnaeus, 1767) (Fig. 7F)**

*Cassida bipunctata* Linnaeus, 1767:578. *Cassida sexnotata* Fabricius, 1798:82. *Coptocyclus bipunctipennis* Boheman, 1855:118. *Coptocyclus sexmaculata* Boheman, 1855:114. *Coptocyclus promiscua* Boheman, 1855:130.

**Distribution in India.** India (Spaeth, 1914c); Chhattisgarh (Durg – Chandra et al., 2018f); Karnataka (Bengaluru, Belgaum, Shimoga, Mysore – Maulik, 1913, 1916; Takizawa, 1987; Borowiec & Takizawa, 1991; Borowiec, 2001); Kerala (Kottayam, Annamalai Hills, Tonslip, Munnar, Kunchapanay, Thiruvananthapuram “Trivandrum”, Thrissur – Maulik, 1916, 1919; Takizawa, 1987; Borowiec, 1990, 2001; Borowiec & Świętojańska, 2007); Maharashtra (Pune, Satara, Wai – Maulik, 1913, 1916; Borowiec, 2001; Borowiec & Świętojańska, 2007; Pune – Ghate et al., 2003); Odisha (Chatarpur, Ganjam – Maulik, 1913); Puducherry (Karaikal, Neffapakkam – Takizawa & Kimoto, 1990; Borowiec & Takizawa, 1991; Borowiec, 2001); Tamil Nadu (“Madras” Chennai, Coimbatore, Tirachi, Pudukkottai, Kodaikanal, Madurai, Nilgiri, Manaparasi, Annamalai Hills, Mardhumalai, Jawad, Palghat, Walayar, Theni, Madhavaram – Maulik, 1913, 1919; Takizawa, 1985b, 1987; Takizawa & Kimoto, 1990; Borowiec & Takizawa, 1991; Borowiec, 1985, 1990, 2001, 2009); West Bengal (“Calcutta” Kolkata – Maulik, 1913).

**General distribution.** Oriental (India, Indonesia, Sri Lanka, Thailand) (Borowiec & Świętojańska, 2024).

**Remarks.** Maulik (1913, 1916) included as *C. promiscua*; Maulik (1916) as *Coptocyclus bipunctipennis*; Maulik (1913) as *C. sexmaculata*; Maulik (1919) as *Chirida bipunctata*.

***Chiridopsis bistrimaculata* (Boheman, 1855)**

*Coptocyclus bistrimaculata* Boheman, 1855:112.

**Distribution in India.** Maharashtra (Pune, Lonavla, Junnar – Borowiec, 2009; Borowiec & Świętojańska, 2007; Ghate et al., 2003); Kerala (Kottayam – Peermade – Borowiec, 1990); Tamil Nadu (Tharangambadi “Tranquebar” – Maulik, 1919).

**General distribution.** Oriental (India) and Palaearctic (China, Pakistan) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Chiridopsis ghatei* Borowiec & Świętojańska, 2000**

*Chiridopsis ghatei* Borowiec & Świętojańska, 2000:53.

**Distribution in India.** Karnataka (Mysore, Coorg – Borowiec, 2001).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Chiridopsis gregaria* (Weise, 1905)**

*Chirida gregaria* Weise, 1905:127.

**Distribution in India.** Karnataka (Coorg – Spaeth, 1914c; Maulik, 1919); Kerala (Borowiec, 1999); Tamil Nadu (Annamalai Hills, Nilgiri Hills – Spaeth, 1914c; Maulik, 1919).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Chiridopsis marginata* (Weise, 1901)**

*Chirida marginata* Weise, 1901:52. *Cassida ornata* Fabricius, 1798:81.

**Distribution in India.** Puducherry (Karaikal – Borowiec, 2001); South India (Spaeth, 1914c); Tamil Nadu (Pudukotai – Borowiec & Takizawa, 1991).

**General distribution.** Oriental (India, Sri Lanka) (Borowiec, 2001; Borowiec & Świętojańska, 2024).

**Remarks.** Spaeth (1914c) included this species from South India as *Cassida ornata*.

***Chiridopsis mimica* (Weise, 1905) (Fig. 7G)**

*Chirida mimica* Weise, 1905:210.

**Distribution in India.** Arunachal Pradesh (Jamiri-Sessa – Sekerka & Świętojańska, 2024); Assam (Kaziranga – Maulik, 1919; Kimoto, 1981); Meghalaya (Tura – Maulik, 1919; Kimoto, 1981; Basu, 2000a; Borowiec, 2001, 2009); Sikkim (Maulik, 1919; Gopaldhara, Rungbong Valley – Sekerka & Świętojańska, 2024); West Bengal (Spaeth, 1914c; Maulik, 1919; Borowiec, 2001, 2009; Nurbong, Mahanuddi Vy., Darjieling – Sekerka & Świętojańska, 2024).

**General distribution.** Oriental and Palaearctic (India, Myanmar) (Borowiec, 1999; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

**Remarks.** Maulik (1919) included material from Sikkim as *C. scalaris*.

***Chiridopsis nigropunctata* Borowiec & Ghate, 1999**

*Chiridopsis nigropunctata* Borowiec & Ghate, 1999:103.

**Distribution in India.** Chhattisgarh (Durg – Kalaichelvan et al., 2005; Chandra et al., 2018f); Maharashtra (Satara, Wai, Mahabaleshwar – Borowiec & Ghate, 1999; Ghate et al., 2003; Borowiec, 1999).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Chiridopsis novemkalankita* (Maulik, 1919)**

*Chirida novemkalankita* Maulik, 1919:424. *Chirida mystica* Spaeth, 1919:199.

**Distribution in India.** Karnataka (Shimoga, Mysore – Takizawa, 1987; Coorg, Mysore – Borowiec, 1990, 2001); Kerala (Travancore – Maulik, 1919; Spaeth, 1919; Periyar Wildlife Sanctuary, Thekkady, Idukki Wildlife Sanctuary, Ponmundi – Takizawa, 1983, 1985b; Borowiec & Takizawa, 1991); Tamil Nadu (Kumli – Borowiec & Takizawa, 1991).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Chiridopsis punctata* (Weber, 1801)**

*Cassida punctata* Weber, 1801:5. *Chirida punctata* ssp. *indochinensis* Spaeth, 1919:199. *Cassida punctaria* Fabricius, 1801:392.

**Distribution in India.** N.E. India (Borowiec, 1999, 2001, 2009).

**General distribution.** Oriental (India, Indonesia, Laos Malaysia, Myanmar, Thailand, Vietnam) and Palaearctic (China) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Chiridopsis rubromaculata* Borowiec, Ranade, Rane & Ghate, 2001**

*Chiridopsis rubromaculata* Borowiec, Ranade, Rane & Ghate, 2001:361.

**Distribution in India.** Maharashtra (Rehekuri Sanctuary, Ahmednagar – Ghate et al., 2003).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

***Chiridopsis scalaris* (Weber, 1801)**

*Cassida scalaris* Weber, 1801:51.

**Distribution in India.** India (Spaeth, 1914c); Andaman and Nicobar Islands (Andaman Islands – Maulik, 1919); Assam (Sibsagar – Borowiec, 1985); Meghalaya (Shillong, Mangaldai, East Garo Hills – Williamnagar, Tura – Maulik, 1919; Basu, 2000a); Tripura (Belonia – Basu, 2000b; Baibeloni – Agarwala & Bhattacharjee, 2012); West Bengal (Gopaldhara, Rungbong Valley – Maulik, 1919).

**General distribution.** Oriental (Indonesia, India, Laos Malaysia, Myanmar, Philippines, Thailand, Vietnam) and Palaearctic (China, India) (Borowiec, 2001, 2009; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Chiridopsis selecta* (Weise, 1905) (Figs 7H, 7I, 10B)**

*Chirida selecta* Weise, 1905:128. *Chirida binduta* Maulik, 1919:423. *Chiridopsis promiscula* [sic]: Takizawa, 1980:31.

**Material examined.** 2 spec., India, Kerala, Cochin State, Parambikulam, 16.ix.1914, leg. F.H. Gravely (4049/H4A).

**Distribution in India.** Karnataka (Coorg, Shimoga, Coorg, Mysore, Nandi Hills); Kerala (Parambikulam, Cochin, Kochi, Pooparai); Tamil Nadu (Nilgiri Hills, Nilgiri Hills, Anaimalai Hills, Coimbatore) (Maulik, 1919; Borowiec, 1990; Borowiec & Takizawa, 1991; Borowiec, 1999, 2001, 2009; Borowiec & Ghate, 1999).

**General distribution.** Oriental (India) and Palaeartic (Pakistan) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

**Remarks.** Maulik (1919) included this species from Tamil Nadu as *C. binduta*.

***Chiridopsis septemnotata* (Boheman, 1855) (Figs 8A, 8B)**

*Coptocyclus septemnotata* Boheman, 1855:133.

**Material examined.** 1 spec., India, Meghalaya, West Khasi Hills, Mowing, 03.v.1968, leg. R.K. Varshney, det. C.R. Basu (16230H4A). 1 spec, India, Odisha "Orissa", Sambalpur, 27.ix.1972, leg. S. Khera, det. C.R. Basu (16965H4A). 3 spec., India, Odisha "Orissa", Sambalpur, 06.xi.1972, leg. J. M. Julka, det. C.R. Basu (16966H4A). 2 spec., India, Odisha "Orissa", Titlagarh, 08.ix.1994, leg. J. M. Julka, det. C.R. Basu (16970H4A).

**Distribution in India.** Himalaya (Spaeth, 1914c); Assam (Sibsagar, Umrongso – Maulik, 1913, 1919; Borowiec, 1999, 2001); Madhya Pradesh (Chandra & Kushwaha, 2013); Meghalaya (Nokrek National Park, Tura – Borowiec, 1999, 2001; West Khasi Hills; Mawblang – Basu, 2000a); Odisha (Sambalpur, Balangir – Basu & Halder, 1987; Titlagarh – Borowiec, 1999, 2001); Sikkim (Kimoto, 1981); Uttar Pradesh (Mahoba – Srivastava, 2015); West Bengal (Darjeeling – Mungpu, "Calcutta" Kolkata – Maulik, 1913, 1919; Ghosh et al., 2023).

**General distribution.** Oriental (India, Malaysia, Thailand) and Palaeartic (Bhutan, India) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Chiridopsis sexplagiata* (Spaeth, 1919)**

*Chirida sexplagiata* Spaeth, 1919:198.

**Distribution in India.** Kerala (Pooparai, Munnar, Eravikulam, Pampadum Shola National Park – Borowiec, 1990, 2009); Puducherry (Karaikal), Tamil Nadu (Shembaganur, Cinchona, Annamalai Hills, Mugar) (Borowiec, 1999, 2001; Takizawa & Kimoto, 1990; Borowiec & Takizawa, 1991).

**General distribution.** Oriental (India) (Borowiec & Świętojańska, 2024).

***Chiridopsis undecimnotata* (Boheman, 1855) (Fig. 8C)**

*Coptocyclus undecimnotata* Boheman, 1855:116. *Chirida 11-notata* var. *soluta* Weise, 1905a:129.

**Material examined.** 2 spec., India, Karnataka, Belgaum, Talawade, Castle Rock, 3-10.x.1916, leg. S. Kemp det. S. Maulik (4426/H1 4427/H1).

**Distribution in India.** Karnataka (North Kanara – Maulik, 1919); Kerala (Munnar Kallar Valley, Quilon – Borowiec & Takizawa, 1991; Borowiec, 2001); Maharashtra (Pune – Telewadi, Pune – Sinhagr, Telegaon, Bhimashankar, Lonavala – Maulik, 1919; Ghate et al., 2003); Tamil Nadu (Nilgiri Hills, Annamalai Hills – Weise, 1905; Spaeth, 1914c; Borowiec & Takizawa, 1991; Borowiec, 2001).

**General distribution.** Oriental (India) (Borowiec & Świętojańska, 2024).

***Chiridopsis ventralis* (Boheman, 1855) (Fig. 8D)**

*Coptocyclus ventralis* Boheman, 1855:111.

**Material examined.** 3 spec., det. S. Maulik (3404/13, 3405/13, 3406/13).

**Distribution in India.** Karnataka (Mysore – Chikmagalur – Borowiec, 1990); Maharashtra (Satara, Wai – Borowiec & Świętojańska, 2007; Sinhagarh – Ghate et al., 2003); Tamil Nadu (Nilgiri Hills – Maulik, 1919).

**General distribution.** Oriental (India) (Borowiec & Świętojańska, 2024).

### Genus *Glyphocassis* Spaeth, 1914

#### *Glyphocassis trilineata* (Hope, 1831) (Fig. 8E)

*Cassida trilineata* Hope, 1831:30. *Glyphocassis trilineata* ab. *melanosticta* Spaeth, 1914b:548. *Glyphocassis trilineata* *szechuana* Gressitt, 1952:480.

**Material examined.** 4 spec., India, Madhya Pradesh, Jabalpur, Narmada Road, 9.viii.1960 leg. S. Chakraborty (2876/H4A, 2877/H4A, 2878/H4A, 2879/H4A). 4 spec., India, West Bengal, Darjeeling, May–June, 1912, leg. Lord Carmichel (1872/H4).

**Distribution in India.** Arunachal Pradesh (Dirang – Sekerka & Świętojańska, 2024); Assam (Maulik, 1919); Chhattisgarh (Durg – Chandra et al., 2018f); Himachal Pradesh (Solan – Takizawa, 1985b; Borowiec, 1985); Madhya Pradesh (Chandra & Kushwaha, 2013); Maharashtra (Maulik, 1919); Meghalaya (Jaintia Hills – Nartiana, Jowai Dawki, East Khasi Hills – Shillong – Basu, 2000a); Punjab, Chandigarh – Pajni & Bansal, 1977; Gupta et al., 2019); Sikkim (Spaeth, 1914b, 1914c; Maulik, 1919; Kimoto, 1981); Uttarakhand (Mussoorie, Barkot – Borowiec, 1990, 2001, 2009; Bhimtal – Kimoto, 1981); West Bengal (Darjeeling – Maulik, 1919; Takizawa, 1989).

**General distribution.** Oriental (India, Laos, Pakistan, Thailand, Vietnam) and Palaearctic (China, Nepal) (Chen et al., 1986; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

### Genus *Oocassida* Weise, 1897

#### *Oocassida cruenta* (Fabricius, 1792) (Fig. 8F)

*Cassida cruenta* Fabricius, 1792:293. *Cassida obscura* Fabricius, 1792:295. *Cassida unicolor* Fabricius, 1801:391.

**Material examined.** 8 spec., India, Chhattisgarh, Bhilai, leg. K.K. Verma's Donation., det. K.K. Verma (25641/H4A). 1 spec., India, Odisha "Orissa", Bhubaneswar, det. C.R. Basu (16986/H4A). 1 spec., India, West Bengal, Murshidabad (3992/8).

**Distribution in India.** India (Spaeth, 1914c); Kerala; Odisha (Bhubhneswar – Basu & Halder, 1987); Puducherry (Neffapakkam, Karaikal – Borowiec & Takizawa, 1991; Borowiec, 2001); Tamil Nadu (Coimbatore, Chennai, Kollkar, Madura, Nilgiri Hills – Maulik, 1919; Takizawa, 1985b; Coimbatore – Takizawa & Kimoto, 1990; Pudukkottai – Borowiec & Takizawa, 1991); Uttarakhand (Nainital – Maulik, 1913; Sekerka & Świętojańska, 2024); West Bengal (Murshidabad, "Calcutta" Kolkata, Bhogaon, Murshidabad – Maulik, 1913, 1919; Ghosh et al., 2023).

**General distribution.** Oriental (Bangladesh, India, Pakistan) and Palaearctic (India, Nepal) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

**Remarks.** Maulik (1913) included this species from West Bengal as *C. obscura*.

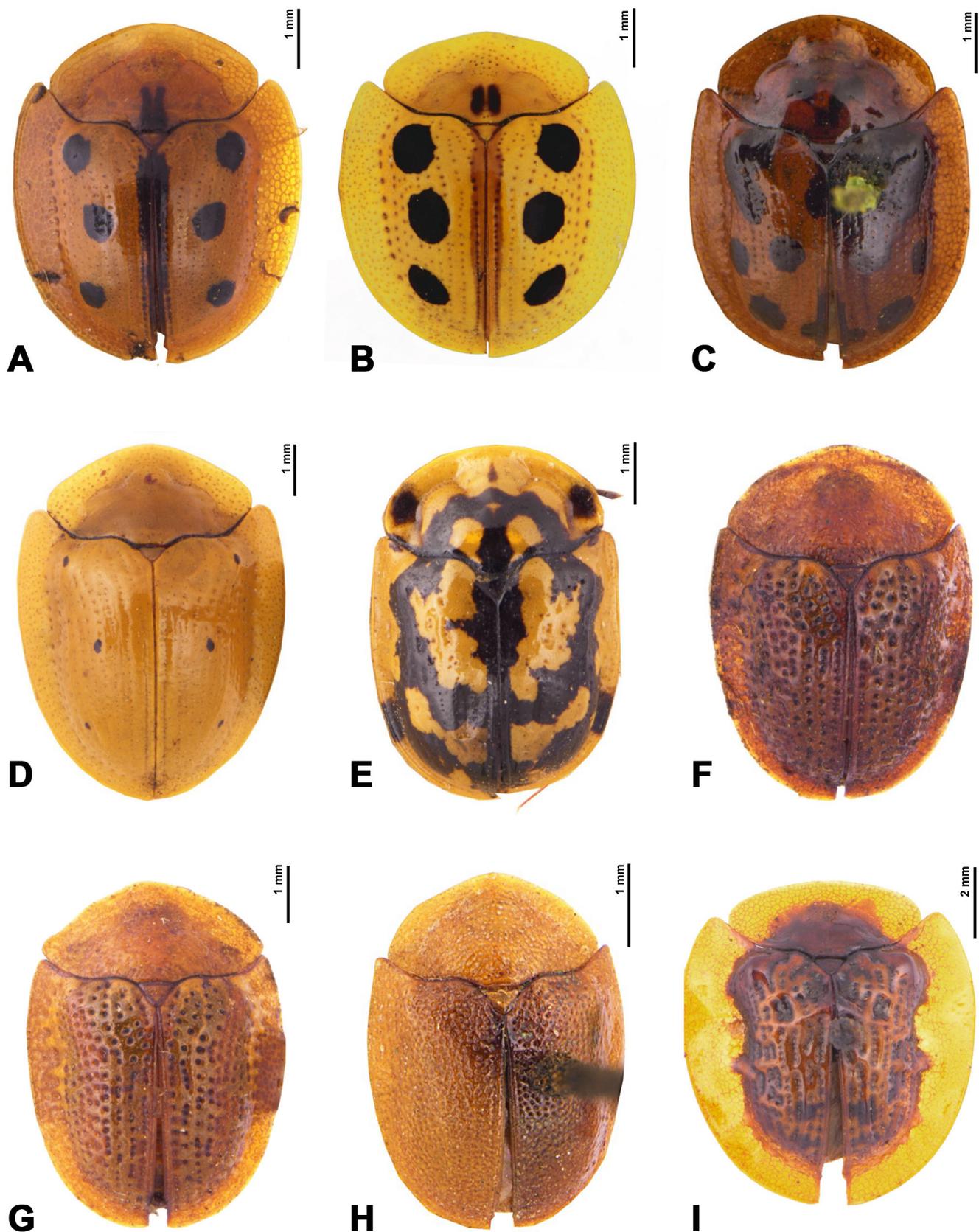
#### *Oocassida pudibunda* (Boheman, 1856) (Fig. 8G)

*Cassida pudibunda* Boheman, 1856:133.

**Material examined.** 1 spec., India, Odisha "Orissa", Bhubaneswar, det. C.R. Basu (16985/H4A).

**Distribution in India.** Bihar (Borowiec & Świętojańska, 2007); Chhattisgarh (Durg – Chandra et al., 2018f); Madhya Pradesh (Rawat & Modi, 1972); Maharashtra (Nagpur – Maulik, 1919; Pune, Pashan – Ghate et al., 2003; Satara, Wai – Borowiec & Świętojańska, 2007); Odisha (Bhubhneswar, Sambalpur – Basu & Halder, 1987); Punjab (Chandigarh – Pajni & Bansal, 1977; Gupta et al., 2019); Uttarakhand (Nainital, Almora – Maulik, 1919; Karnaprayag – Borowiec, 2001); Uttar Pradesh (Borowiec & Świętojańska, 2007).

**General distribution.** Oriental (India, Pakistan) and Palaearctic (Nepal, India) (Borowiec, 1999; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).



**Figure 8.** Habitus of tortoise beetles. **A–B.** *Chiridopsis septemnotata* (Boheman, 1855); **C.** *Chiridopsis undecimnotata* (Boheman, 1855); **D.** *Chiridopsis ventralis* (Boheman, 1855); **E.** *Glyphocassis trilineata* (Hope, 1831); **F.** *Oocassida cruenta* (Fabricius, 1792); **G.** *Oocassida pudibunda* (Boheman, 1856); **H.** *Rhytidocassis indicola* (Duvivier, 1892); **I.** *Thlaspida cribrata* (Boheman, 1855).

**Genus *Rhytidocassis* Spaeth, 1941*****Rhytidocassis indicola* (Duvivier, 1892) (Fig. 8H)**

*Odontonycha indicola* Duvivier, 1892:448. *Chirida hina* Maulik, 1919:415.

**Material examined.** 2 spec., India, Maharashtra, Nagpur, 1.vii.1916, leg. E.D. Abreu.

**Distribution in India.** Chhota Nagpur (Maulik, 1919); Central Province (Nagpur – Maulik, 1919); Chhattisgarh (Durg – Chandra et al., 2018f); Tamil Nadu (Chennai “Madras”, Coimbatore, Madurai – Takizawa, 1985b; Borowiec & Takizawa, 1991; Borowiec, 2009); Maharashtra (Pashan, Baner, Pune – Ghate et al., 2003);

**General distribution.** Oriental (Bangladesh, India) and Palaearctic (Pakistan) (Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

**Ramarks.** Maulik (1919) included this species from Chhota Nagpur and Central Province as *C. hina*.

**Genus *Silana* Spaeth, 1914*****Silana farinosa* (Boheman, 1856)**

*Cassida farinosa* Boheman, 1856:146.

**Distribution in India.** Tamil Nadu (Chennai, Kallar, Nilgiri – Takizawa, 1985b; Borowiec, 2009).

**General distribution.** Oriental (Borneo, India, Malaysia, Sri Lanka, Vietnam) (Maulik, 1919; Mohamedsaid, 2006; Borowiec & Świętojańska, 2024).

**Genus *Thlaspida* Weise, 1899*****Thlaspida biramosa* (Boheman, 1855)**

*Thlaspida biramosa* Boheman, 1855:408. *Thlaspida tristis* Weise, 1899:273. *Thlaspida formosae* Spaeth, 1913b:46. *Thlaspida japonica* Spaeth, 1914a:17.

**Distribution in India.** NE India (Borowiec, 2001, 2009).

**General distribution.** Oriental (India, Laos, Malaysia, Myanmar, Thailand, Vietnam) and Palaearctic (China, Japan, Korea, Taiwan) (Borowiec, 1999; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

***Thlaspida cribrata* (Boheman, 1855) (Fig. 8I)**

*Coptocycla cribrata* Boheman, 1855:404.

**Material examined.** 2 spec., det. S. Maulik (765/19, 1989/19).

**Distribution in India.** Assam (Umrongso), Meghalaya (Khasi Hills, Nokrek National Park) (Spaeth, 1914c; Maulik, 1919; Basu, 2000a; Borowiec, 2001, 2009).

**General distribution.** Oriental (Bangladesh, India, Laos, Malaysia, Myanmar, Thailand, Vietnam) and Palaearctic (China, Taiwan) (Borowiec, 1985, 1999, 2001; Borowiec & Świętojańska, 2024; Sekerka & Świętojańska, 2024).

**Genus *Thlaspidosoma* Spaeth, 1901*****Thlaspidosoma assamensis* Spaeth, 1926**

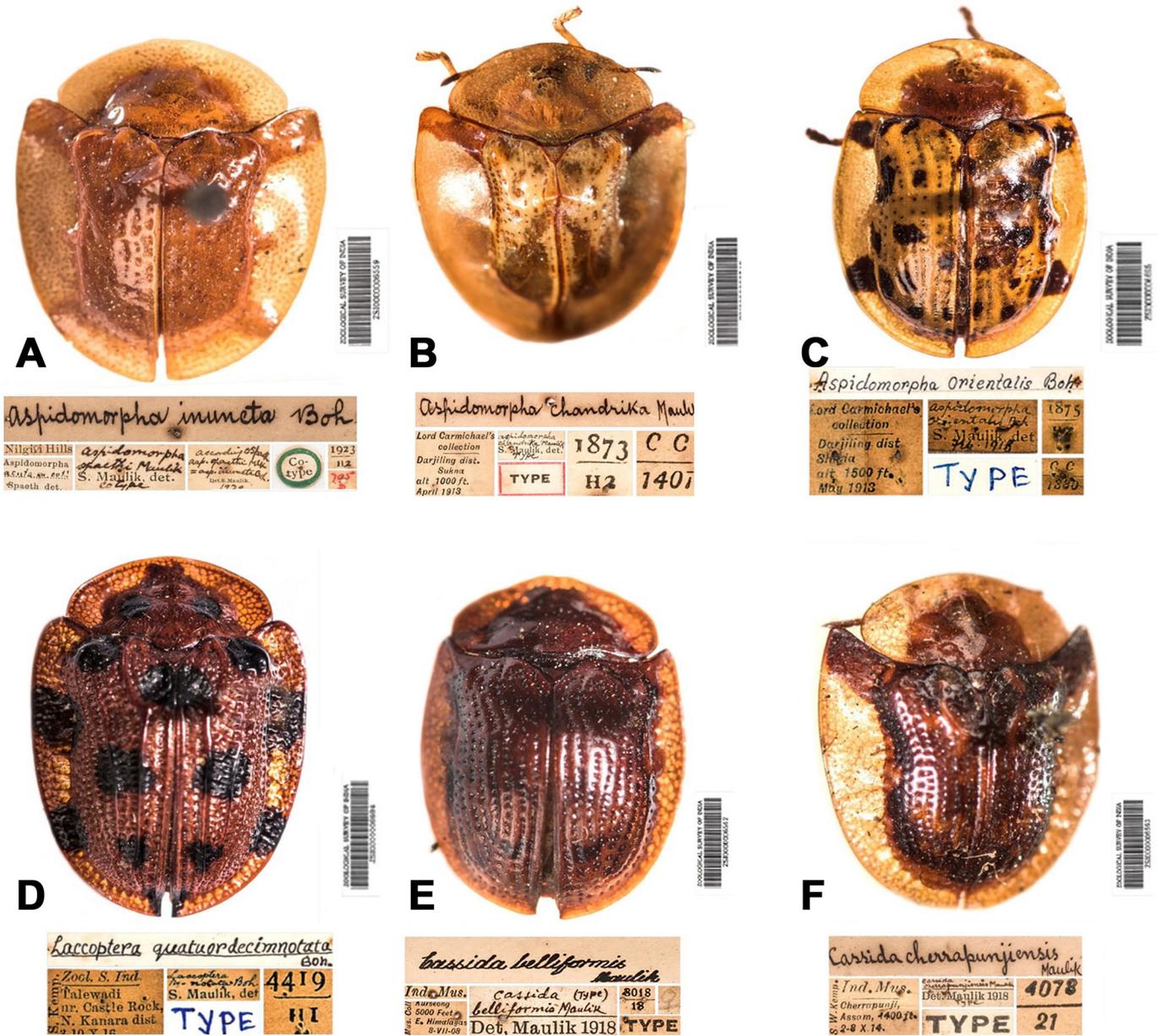
*Thlaspidosoma assamensis* Spaeth, 1926c:58.

**Distribution in India.** Assam (Patkay) (Spaeth, 1926c; Borowiec, 1999).

**General distribution.** Oriental (endemic to India) (Borowiec & Świętojańska, 2024).

**Excluded species**

Seven species from six genera have been excluded from the Indian fauna due to several reasons, primarily misidentification, mislabeling, or historical taxonomic misinterpretations.



**Figure 9.** Habitus of type/co-type and attached label data. **A.** *Aspidomorpha inuncta* Boheman, 1854; **B.** *Aspidomorpha chandrika* Maulik, 1918; **C.** *Aspidomorpha orientalis* (Boheman, 1856); **D.** *Aspidomorpha quatuordecimnotata* Boheman, 1855 (current valid name: *Laccoptera quatuordecimnotata* Boheman, 1855); **E.** *Cassida belliformis* Maulik 1919; **F.** *Cassida cherrapunjiensis* Maulik 1919.

### *Notosacantha modesta* (Wagener, 1881)

*Hoplionota modesta* Wagener, 1881:18. *Hoplionota nitida* Weise, 1915:511. *Hoplionota chapuisi* Spaeth, 1913a:523.

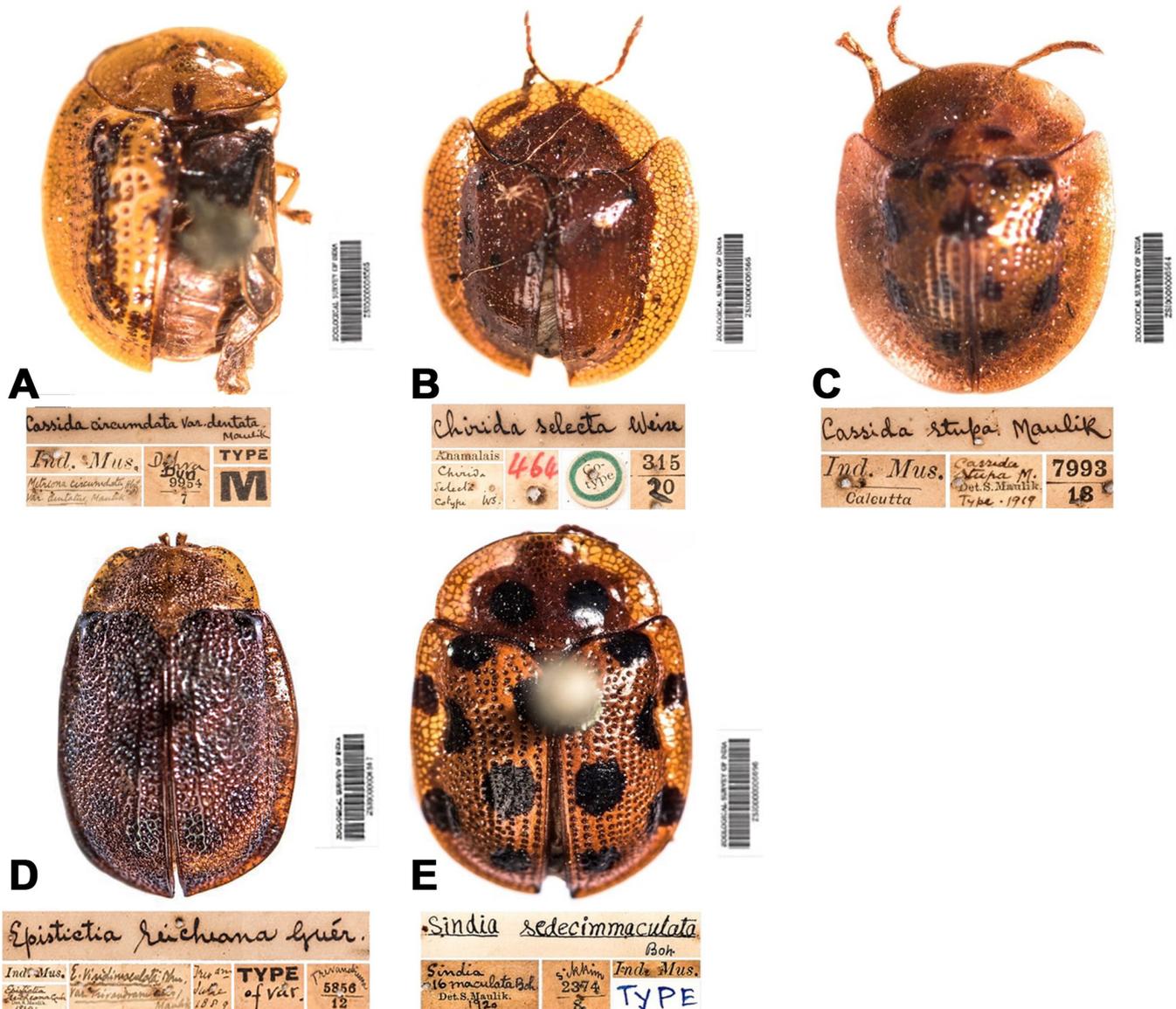
**General distribution.** Oriental (Philippines) (Borowiec, 1999; Borowiec & Świętojańska, 2024).

**Remarks.** This species is endemic to Philippines and records from India (Maulik, 1919) are based on mislabeled specimens (Borowiec, 2009).

### *Basiprionota decempustulata* (Boheman, 1850)

*Prioptera decempustulata* Boheman, 1850:55. *Prioptera decempustulata* ab. *parumguttata* Spaeth, 1925:385. *Prioptera decempustulata* ssp. *borneensis* Spaeth, 1925:385.

**General distribution.** Oriental (Indonesia, Malaysia, Thailand, Laos) (Borowiec & Świętojańska, 2024).



**Figure 10.** Habitus of type/co-type and attached label data. **A.** *Cassida circumdata* var. *dentata* Herbst, 1799 (current valid name: *Cassida circumdata* Herbst, 1799); **B.** *Cassida selecta* (Weise, 1905) (current valid name: *Chiridopsis selecta* (Weise, 1905)); **C.** *Cassida stupa* Maulik 1919; **D.** *Epistictina reicheana* (Guérin, 1844); **E.** *Sindia sedecimmaculata* Spaeth, 1901 (current valid name: *Laccoptera sedecimmaculata* Spaeth, 1901).

**Remarks.** Record from “India orientalis” by Maulik (1919) is based on misinterpretation of terra typica of this taxon. It was described from “Malacca Indiae orientalis”, a region of Malaysia (in XIX Century the term India Orientalis covered the area from true India to Western Indonesia).

***Aspidomorpha (Aspidomorpha) difformis* (Motschulsky, 1860)**

*Deloyala difformis* Motschulsky, 1860:27. *Deloyala difformis* Motschulsky, 1860:27. *Aspidomorpha difformis* ab. *japonica* Spaeth in Spaeth & Reitter, 1926:10.

**General distribution.** Palaearctic (China, Japan, Korea, Russia, Taiwan) (Świętojańska, 2001; Borowiec & Świętojańska, 2024).

**Remarks.** The record of this species from India, specifically West Bengal (“Calcutta” Kolkata - Maulik, 1913), is based on misidentification. Its occurrence in India is considered unlikely given its known general distribution.

***Aspidomorpha (Aspidomorpha) fusconotata* Boheman, 1854**

*Aspidomorpha fusconotata* Boheman, 1854:279.

**General distribution.** Oriental (Philippines) (Świętojańska, 2001; Borowiec & Świętojańska, 2024).

**Remarks.** The records from India (Spaeth, 1914c; Maulik, 1919) are based on misidentification. This species is endemic to Philippines (Świętojańska, 2001; Borowiec & Świętojańska, 2024).

***Aspidomorpha (Aspidomorpha) mutilata* Boheman, 1854**

*Aspidomorpha mutilata* Boheman, 1854:316. *Coptocyclus glabrata* Boheman, 1855:469. *Aspidomorpha mutilata* ab. *jucunda* Spaeth, 1914b:546.

**General distribution.** Oriental (Indonesia) (Świętojańska, 2001; Borowiec & Świętojańska, 2024).

**Remarks.** Records of this species from India (West Bengal, "Calcutta" Kolkata; Odisha, Chilika; and Karnataka, Bengaluru – Maulik, 1913) are based on misidentification. This species is only found in Indonesia and the continental state of Malaysia (Borowiec & Świętojańska, 2024).

***Cassida costata* Boheman, 1854**

*Cassida costata* Boheman, 1854:150.

**General distribution.** Palearctic (Sekerka & Świętojańska, 2024).

**Remarks.** This is a synonym of Palearctic *Hypocassida subferruginea* (Schrank, 1776) and was erroneously described from Madras based on the mislabeled specimen (Borowiec & Świętojańska, 2024). The specimens recorded from Tamil Nadu (Chennai, formerly Madras – Boheman, 1854; Maulik, 1919) have been misidentified.

***Cassida vittata* Villers, 1789**

*Cassida vittata* Villers, 1789:93. *Cassida atlantica* Escalera, 1914:535. *Cassida oblonga* Illiger, 1798:485. *Cassida salicorniae* Curtis, 1826:127. *Cassida dimbakar* Maulik, 1923:607.

**General distribution.** Palearctic (Borowiec & Świętojańska, 2024).

**Remarks.** The record by Maulik (1923) from India, which identified the species as *C. dimbakar*, was likely based on an introduced specimen that did not succeed in establishing a population (Borowiec & Świętojańska, 2024).

**DISCUSSION**

This catalogue includes 154 valid species of tortoise beetles belonging to 17 genera within 3 tribes of the Cassidinae subfamily, representing 5.07% of the global Cassidinae diversity (Borowiec & Świętojańska, 2024). The Cassidini tribe is the most diverse, encompassing 112 species (13 genera), followed by Notosacanthini (28 species, 1 genus) and Basiprionotini (14 species, 3 genera). Over 41.5.0% (64 species) of these species are endemic to India. The genus *Cassida* Linnaeus exhibits the highest endemism with 31 endemic species, followed by *Notosacantha* Chevrolat (17), *Chiridopsis* Spaeth (7), *Laccoptera* Boheman (3), *Basiprionota* Chevrolat (2), *Aspidomorpha* Hope (1), *Epistictina* Hincks (1), *Capelocassis* Spaeth (1), and *Thlaspidosoma* Spaeth (1). Although 17 genera are recorded from India, over 90.2% of the species diversity is concentrated within just six genera: *Cassida* Linnaeus (59 species), *Notosacantha* Chevrolat (29 species), *Chiridopsis* Spaeth (18 species), *Aspidomorpha* Hope (14 species), *Laccoptera* Boheman (11 species), and *Basiprionota* Chevrolat (8 species) (Table 1). Regarding species descriptions, over 78% of Indian tortoise beetle species have been described by five prominent authors/groups: Boheman (49 species), Spaeth (34 species), Borowiec, Świętojańska & co-workers (22 species), and Weise (14 species) (Fig. 11A). Figure 11B illustrates the decadal description rate of Indian Cassidinae.

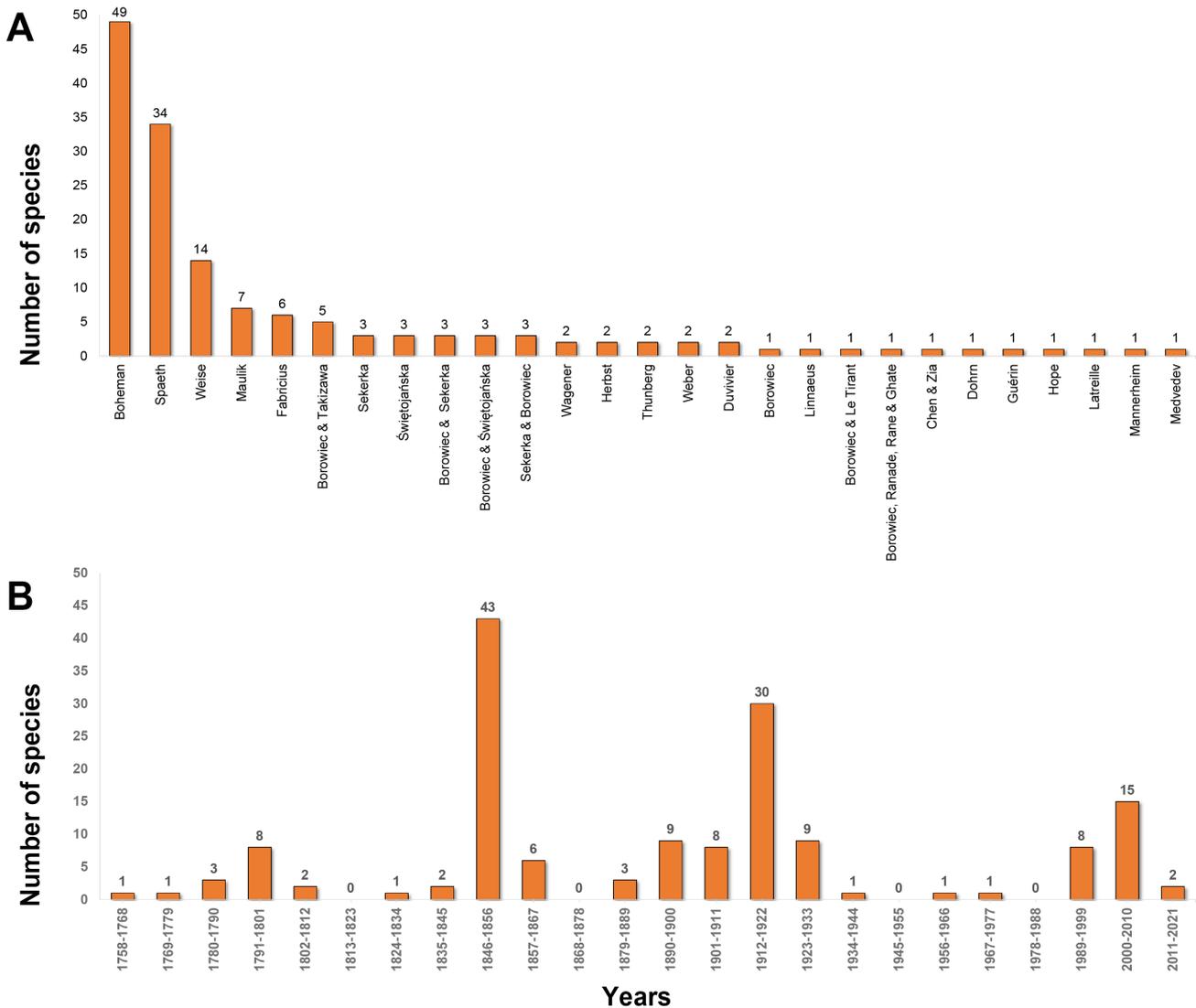
The following thirteen species were found to have a wide distribution across all the biogeographic zones of India, *Craspedonta leayana* (Latreille), *Epistictina viridimaculata* (Boheman), *Cassida nigriventris* Boheman, *C. obtusata* Boheman, *C. varians* Herbst, *Glyphocassis trilineata* (Hope), *Aspidomorpha (A.) furcata* (Thunberg), *A. (A.) dorsata* (Fabricius), *A. (A.) indica* Boheman, *A. (A.) miliaris* (Fabricius), *A. (A.) sanctaecrucis* (Fabricius), *Laccoptera (L.) chinensis* Boheman, and *L. (L.) tredecimpunctata* (Fabricius).

**Table 1.** Number of genera and species in the tribes of tortoise beetles (Cassidinae) known from India and world.

Tribes	World		India	
	Genus	Species	Genus	Species
<b>Basiprionotini</b>	8	94	3	14
<b>Cassidini</b>	93	1677	13	112
<b>Delocraniini</b>	1	3	-	-
<b>Dorynotini</b>	5	53	-	-
<b>Eugenysini</b>	3	34	-	-
<b>Goniocheniini</b>	5	30	-	-
<b>Hemisphaerotini</b>	2	42	-	-
<b>Ischyrosomychini</b>	7	66	-	-
<b>Mesomphaliini</b>	24	553	-	-
<b>Notosacanthini</b>	2	265	1	28
<b>Omocerini</b>	7	148	-	-
<b>Spilophorini</b>	3	67	-	-
	<b>160</b>	<b>3,032</b>	<b>17</b>	<b>154</b>

**Table 2.** Number of species of tortoise beetles (Cassidinae) in genera from the world and India.

Genera	World	India	Endemic Species
<b>Tribe Notosacanthini Gressitt, 1952</b>			
<i>Notosacantha</i> Chevrolat, 1836	271	28	17
<b>Tribe Basiprionotini Gressitt, 1952</b>			
<i>Basiprionota</i> Chevrolat, 1836	64	8	2
<i>Craspedonta</i> Chevrolat, 1836	6	3	-
<i>Epistictina</i> Hincks, 1950	5	3	1
<b>Tribe Cassidini Gyllenhal, 1813</b>			
<b>Subtribe Aspidomorphina Chapuis, 1875</b>			
<i>Aspidomorpha</i> Hope, 1841	202	13	2
<i>Conchyloctenia</i> Spaeth, 1902	17	1	-
<i>Laccoptera</i> Boheman, 1854	67	11	4
<i>Nilgiraspis</i> Spaeth, 1932	1	1	-
<b>Subtribe Cassidina Gyllenhal, 1813</b>			
<i>Cassida</i> Linnaeus, 1758	484	59	31
<i>Capelocassis</i> Spaeth, 1952	1	1	1
<i>Chiridopsis</i> Spaeth, 1922	66	18	11
<i>Glyphocassis</i> Spaeth, 1914	3	1	-
<i>Oocassida</i> Weise, 1897	5	2	-
<i>Rhytidocassis</i> Spaeth, 1941	8	1	-
<i>Silana</i> Spaeth, 1914	1	1	-
<i>Thlaspida</i> Weise, 1899	6	2	-
<i>Thlaspidosoma</i> Spaeth, 1901	9	1	1
<b>Total</b>		<b>154</b>	<b>70</b>



**Figure 11.** Chronological overview of the tortoise beetles in India. **A.** Number of species, described by various authors; **B.** Number of species contributed on a decade basis.

Among the Indian biogeographical zones (Rodgers et al., 2002), the Western Ghats exhibit the highest species richness of tortoise beetles with 84 species, followed by the Northeast (58 species), Deccan Peninsula (51 species), Himalaya (49 species), Gangetic Plains (34), Islands (12), and Semi-Arid (12) zones (Fig. 2). No records are available from the desert, Trans-Himalayan, and Coastal India. Table 3 summarizes the species distribution across these zones. Tamil Nadu harbours the most significant proportion of Indian tortoise beetle species, accounting for over 44% (69 species), followed by West Bengal (48 species) (Table 4). Maharashtra (45 species), Assam (44 species), Karnataka (42 species), Meghalaya (42 species), and Kerala (36 species) also show high species diversity. Sikkim (35 species), Uttarakhand (25 species), Arunachal Pradesh (24 species), Chhattisgarh (19 species), and several other states, including Andaman and Nicobar Islands, Puducherry, Punjab, and Odisha, have recorded between 12 and 19 species. States with relatively lower species occurrences include Uttar Pradesh (10 species), Madhya Pradesh (9 species), Bihar (8 species), and Chandigarh (7 species). Only a few records exist for Delhi (1 species), Rajasthan (1 species), Andhra Pradesh (1 species), Gujarat (1 species), Haryana (2 species), Telangana (2 species), Nagaland (3 species), Jammu and Kashmir (3 species), Himachal Pradesh (6 species), Goa (5 species), Manipur (5 species), and Jharkhand (5 species) (Table 2). No tortoise beetle records are currently available from the Indian States/Union Territories of Dadra and Nagar Haveli and Daman and Diu, Lakshadweep, Ladakh, and Mizoram. Further comprehensive surveys are necessary to accurately assess the overall diversity of tortoise beetles within India.

**Table 3.** Distribution of tortoise beetles within the biogeographic zones of India.

Species	Trans Himalaya	Himalaya	Desert	Semi-Arid	Western Ghats	Deccan Peninsula	Gangetic Plains	Coast	North-East	Islands
<b>TRIBE NOTOSACANTHINI</b>										
<i>Notosacantha andrewesi</i> (Weise, 1905)					+					
<i>Notosacantha bertounesquei</i> Borowiec & Le Tirant, 2013					+					
<i>Notosacantha bifenestrella</i> (Boheman, 1862)					+					
<i>Notosacantha castanea</i> (Spaeth, 1913a)									+	
<i>Notosacantha chandrapurensis</i> Świętojańska, Ghate & Marathe, 2001						+				
<i>Notosacantha cherrapunjiensis</i> Sekerka, 2008									+	
<i>Notosacantha circumdata</i> (Wagner, 1881)										
<i>Notosacantha clura</i> (Spaeth, 1913a)					+					
<i>Notosacantha corneola</i> (Spaeth, 1913a)					+					
<i>Notosacantha darjeelingensis</i> Borowiec & Takizawa, 1991		+								
<i>Notosacantha dembickyi</i> Sekerka, 2008									+	
<i>Notosacantha dohertyi</i> (Spaeth, 1913)									+	
<i>Notosacantha duvivieri</i> (Spaeth, 1913)						+				
<i>Notosacantha flavicornis</i> (Spaeth, 1913)										
<i>Notosacantha horrifica</i> (Boheman, 1856)					+					
<i>Notosacantha indicola</i> (Spaeth, 1933)					+					
<i>Notosacantha jammuensis</i> Borowiec & Takizawa, 1991		+								
<i>Notosacantha lenta</i> (Spaeth, 1913)		+				+				
<i>Notosacantha maculipennis</i> (Boheman, 1856)		+							+	
<i>Notosacantha maduraensis</i> Świętojańska, 2006					+					
<i>Notosacantha nathani</i> Borowiec & Takizawa, 1991					+					
<i>Notosacantha ochroleuca</i> (Boheman, 1850)										
<i>Notosacantha prominens</i> (Spaeth, 1913a)										+
<i>Notosacantha severini</i> (Spaeth, 1913a)					+	+			+	
<i>Notosacantha tenella</i> (Spaeth, 1913a)				+	+	+				
<i>Notosacantha tenuicula</i> (Spaeth, 1913a)		+							+	
<i>Notosacantha vicarial</i> (Spaeth, 1913a)					+	+				+
<i>Notosacantha warchalowskii</i> Świętojańska & Sekerka, 2007		+								
<b>TRIBE BASIPRIONOTINI</b>										
<i>Basiprionota bimaculate</i> (Thunberg, 1789)		+					+		+	
<i>Basiprionota decemstollata</i> (Boheman, 1856)		+							+	
<i>Basiprionota decemmaculata</i> (Boheman, 1850)		+					+		+	
<i>Basiprionota multiplagiata</i> (Wagner, 1881)										+
<i>Basiprionota prognata</i> (Spaeth, 1925)		+								
<i>Basiprionota pudica</i> (Spaeth, 1925)									+	
<i>Basiprionota sexmaculata</i> (Boheman, 1850)		+					+		+	
<i>Basiprionota westermanni</i> (Mannerheim, 1844)									+	
<i>Craspedonta andrewesi</i> Weise, 1897					+					
<i>Craspedonta leayana</i> (Latreille, 1807)		+		+	+	+	+		+	
<i>Craspedonta obscura</i> (Weise, 1897)									+	
<i>Epistictina reicheana</i> (Guérin, 1844)					+	+				
<i>Epistictina viridimaculata</i> (Boheman, 1850)		+		+	+				+	
<i>Epistictina weisei</i> Spaeth, 1914					+	+				
<b>TRIBE CASSIDINI</b>										
<b>Subtribe Aspidoimorphina</b>										
<i>Aspidomorpha (A.) amabilis</i> Boheman, 1854						+	+			
<i>Aspidomorpha (A.) Chandrika</i> Maulik, 1918		+					+		+	
<i>Aspidomorpha (A.) calligera</i> Boheman, 1854		+				+	+		+	
<i>Aspidomorpha (A.) dorsata</i> (Fabricius, 1787)										
<i>Aspidomorpha (A.) furcata</i> (Thunberg, 1789)		+			+	+	+		+	
<i>Aspidomorpha (A.) indica</i> Boheman, 1854		+				+	+		+	

Species	Trans Himalaya	Himalaya	Desert	Semi-Arid	Western Ghats	Deccan Peninsula	Gangetic Plains	Coast	North-East	Islands
<i>Aspidomorpha (A.) inuncta</i> Boheman, 1854					+	+				+
<i>Aspidomorpha (A.) limbipennis</i> Boheman, 1854									+	
<i>Aspidomorpha (A.) lobata</i> Boheman, 1854					+	+				
<i>Aspidomorpha (A.) miliaris</i> (Fabricius, 1775)		+			+	+	+		+	+
<i>Aspidomorpha (A.) musta</i> Spaeth, 1914					+					+
<i>Aspidomorpha (A.) orientalis</i> Boheman, 1856		+		+			+		+	
<i>Aspidomorpha (A.) sanctaerucis</i> (Fabricius, 1792)		+		+	+	+			+	
<i>Conchyloctenia nigrovittata</i> (Boheman, 1854)				+	+	+	+			
<i>Lacoptera (L.) chinensis</i> Fabricius, 1798		+			+	+	+		+	+
<i>Lacoptera (L.) quatuordecimnotata</i> Boheman, 1855					+	+				
<i>Lacoptera (L.) tredecimpunctata</i> Fabricius, 1801)		+			+		+		+	+
<i>Lacoptera (O.) foveolate</i> (Boheman, 1856)					+					
<i>Lacoptera (O.) jawalagiriana</i> (Spaeth, 1936)					+					
<i>Lacoptera (Sindia) depressa</i> Świętojańska, 2001					+					
<i>Lacoptera (Sindia) sulcata</i> (Olivier, 1808)					+	+	+			
<i>Lacoptera (Sindiola) meghalayaensis</i> Świętojańska, 2001									+	
<i>Lacoptera (Sindiola) novemdecimnotata</i> Boheman, 1855									+	
<i>Lacoptera (Sindiola) vigintisexnotata</i> Boheman, 1855		+							+	
<i>Lacoptera (Sindiolina) sedecimmaculata</i> (Spaeth, 1901)		+								
<i>Nilgiraspis andrewesi</i> (Spaeth, 1914)					+					
<b>Subtribe Cassidina</b>										
<i>Cassida andrewesi</i> Weise, 1897		+			+				+	
<i>Cassida antoni</i> Borowiec & Świętojańska, 1997									+	
<i>Cassida atrosignata</i> Sekerka & Borowiec, 2008		+								
<i>Cassida australica</i> (Boheman, 1855)		+				+				
<i>Cassida avia</i> (Weise, 1897)					+	+				
<i>Cassida belli</i> Weise, 1897					+	+				
<i>Cassida belliformis</i> Maulik, 1919		+					+			
<i>Cassida catenate</i> (Boheman, 1855)		+							+	
<i>Cassida cherrapunjiensis</i> Maulik, 1919									+	
<i>Cassida circumdata</i> Herbst, 1799		+		+	+	+	+		+	+
<i>Cassida cognobilis</i> (Spaeth, 1926)					+					
<i>Cassida conchylata</i> (Spaeth, 1914)		+					+		+	
<i>Cassida conspurcata</i> Boheman, 1854					+	+			+	
<i>Cassida dehradunensis</i> Borowiec & Takizawa, 1991		+								
<i>Cassida delesserti</i> Boheman, 1854					+	+				
<i>Cassida desultrix</i> (Spaeth, 1914b)		+			+		+			
<i>Cassida devalaensis</i> Borowiec & Takizawa, 1991					+					
<i>Cassida dorsonotata</i> Boheman, 1854					+					
<i>Cassida ellipticollis</i> Spaeth, 1914					+					
<i>Cassida enervis</i> Boheman, 1862				+		+	+			
<i>Cassida exilis</i> Boheman, 1854				+	+	+	+			
<i>Cassida eximia</i> Borowiec & Ghate, 2004					+					
<i>Cassida flavoguttata</i> Spaeth, 1914					+					
<i>Cassida flavoscutata</i> Spaeth, 1914		+			+		+		+	
<i>Cassida fuscosparsa</i> Boheman, 1854									+	
<i>Cassida glabella</i> Boheman, 1854					+					
<i>Cassida icterica</i> Boheman, 1854		+			+		+			
<i>Cassida ictericiformis</i> Borowiec, 2009		+							+	
<i>Cassida imbecilla</i> (Boheman, 1862)				+						
<i>Cassida informis</i> Boheman, 1862					+					
<i>Cassida justa</i> Spaeth, 1914		+			+					
<i>Cassida manipuria</i> Maulik, 1923									+	
<i>Cassida mishmiensis</i> Sekerka & Borowiec, 2008									+	

Species	Trans Himalaya	Himalaya	Desert	Semi-Arid	Western Ghats	Deccan Peninsula	Gangetic Plains	Coast	North-East	Islands
<i>Cassida moori</i> Boheman, 1856										
<i>Cassida mysorensis</i> Borowiec & Świętojańska, 1996					+					
<i>Cassida nepalica</i> Medvedev, 1977		+								
<i>Cassida nigriventris</i> Boheman, 1854		+				+	+		+	
<i>Cassida nigrohumeralis</i> Borowiec & Ghate, 2004					+	+				
<i>Cassida nilgirica</i> Spaeth, 1914					+	+				
<i>Cassida nysea</i> Spaeth, 1926					+					
<i>Cassida obtusata</i> Boheman, 1854		+			+	+	+		+	
<i>Cassida occursans</i> Spaeth, 1914		+					+		+	
<i>Cassida pagana</i> (Boheman, 1855)					+					
<i>Cassida pacholatkoii</i> Sekerka & Borowiec, 2008									+	
<i>Cassida pauxilla</i> Boheman, 1854					+		+			
<i>Cassida perplexa</i> (Chen & Zia, 1961)									+	
<i>Cassida plausibilis</i> (Boheman, 1862)									+	+
<i>Cassida pulvinate</i> Boheman, 1854					+	+				
<i>Cassida rati</i> Maulik, 1923									+	
<i>Cassida ruralis</i> (Boheman, 1862)					+	+			+	
<i>Cassida saginata</i> Spaeth, 1914					+	+				
<i>Cassida septemdecimpunctata</i> (Boheman, 1855)										
<i>Cassida signifera</i> Weise, 1905					+					
<i>Cassida socialis</i> Spaeth, 1926d					+					
<i>Cassida spissa</i> Weise, 1897					+					
<i>Cassida stevensi</i> Sekerka, 2011		+							+	
<i>Cassida stupa</i> Maulik, 1919							+			
<i>Cassida subtilis</i> Weise, 1897					+	+				
<i>Cassida varians</i> Herbst, 1799		+			+	+	+		+	
<i>Capellocassis dorsata</i> (Duvivier, 1891)		+			+	+				
<i>Chiridopsis acutangular</i> (Weise, 1905)					+					
<i>Chiridopsis andamanica</i> (Dohrn, 1880)					+					+
<i>Chiridopsis bipunctata</i> (Linnaeus, 1767)					+	+	+			
<i>Chiridopsis bistrimaculata</i> (Boheman, 1855)					+	+				
<i>Chiridopsis ghatei</i> Borowiec & Świętojańska, 2000					+					
<i>Chiridopsis gregaria</i> (Weise, 1905)					+	+				
<i>Chiridopsis marginata</i> (Weise, 1901)					+	+				
<i>Chiridopsis mimica</i> (Weise, 1905)							+		+	
<i>Chiridopsis nigropunctata</i> Borowiec & Ghate, 1999					+					
<i>Chiridopsis novemkalankita</i> (Maulik, 1919)					+					
<i>Chiridopsis punctata</i> (Weber, 1801)										
<i>Chiridopsis rubromaculata</i> Borowiec, Ranade, Rane & Ghate, 2001						+				
<i>Chiridopsis scalaris</i> (Weber, 1801)		+					+		+	+
<i>Chiridopsis selecta</i> (Weise, 1905)					+					
<i>Chiridopsis septemnotata</i> (Boheman, 1855)		+				+	+		+	
<i>Chiridopsis sexplagiata</i> (Spaeth, 1919)					+	+				
<i>Chiridopsis undecimnotata</i> (Boheman, 1855)					+	+				
<i>Chiridopsis ventralis</i> (Boheman, 1855)					+					
<i>Glyphocassis trilineata</i> (Hope, 1831)		+		+		+			+	
<i>Oocassida cruenta</i> (Fabricius, 1792)		+		+	+	+				
<i>Oocassida pudibunda</i> (Boheman, 1856)		+		+	+	+				
<i>Rhytidocassis indicola</i> (Duvivier, 1892)					+	+				
<i>Silana farinose</i> (Boheman, 1856)					+					
<i>Thlaspida biramosa</i> (Boheman, 1855)									+	
<i>Thlaspida cribrata</i> (Boheman, 1855)									+	
<i>Thlaspidosoma assamensis</i> Spaeth, 1901									+	

The biogeographic classification of India follows Rodgers et al. (2002).

**Table 4.** The number of tortoise beetles collected in the Indian states and union territories.

States/Union Territories	Number of Species	States/Union Territories	Number of Species
Tamil Nadu	67	Bihar	8
West Bengal	48	Chandigarh	7
Maharashtra	45	Himachal Pradesh	6
Assam	44	Goa	5
Karnataka	42	Jharkhand	5
Meghalaya	42	Manipur	5
Kerala	36	Jammu and Kashmir	3
Sikkim	35	Nagaland	3
Uttarakhand	25	Haryana	2
Arunachal Pradesh	24	Telangana	2
Chhattisgarh	19	Andhra Pradesh	1
Odisha	13	Delhi	1
Andaman and Nicobar Islands	12	Gujarat	1
Puducherry	12	Rajasthan	1
Punjab	12	Dadra and Nagar Haveli	0
Tripura	11	Ladakh	0
Uttar Pradesh	10	Lakshadweep	0
Madhya Pradesh	9	Mizoram	0

#### AUTHOR'S CONTRIBUTION

The authors confirm their contributions to this paper as follows: D. Gupta: Conceptualization, study design, data compilation, manuscript writing, and overall supervision; P. Ghosh: Data collection, literature review, species distribution mapping, and manuscript drafting; I. Wani: Data validation, geographic distribution analysis, and figure preparation; D. Bhunia: Data organization; S. Sonali: Literature survey and manuscript proofreading; V. Kumar: Data curation. All authors read and approved the final manuscript.

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#### AVAILABILITY OF DATA AND MATERIAL

The specimens listed in this study are deposited in the National Zoological Collection housed at the Coleoptera Sectio of the Zoological Survey of India, Kolkata, and are available from the curator, upon request.

#### ETHICS APPROVAL AND CONSENT TO PARTICIPATE

This study only included arthropod material, and all required ethical guidelines for the treatment and use of animals were strictly adhered to in accordance with international, national, and institutional regulations. No human participants were involved in any studies conducted by the authors for this article.

#### CONSENT FOR PUBLICATION

Not applicable.

#### CONFLICT OF INTERESTS

The authors declare that there is no conflict of interest regarding the publication of this paper.

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## REFERENCES

- Agarwala, B.K. & Bhattacharjee, P.P. (2012) Long-horned beetles (Coleoptera: Cerambycidae) and Tortoise beetles (Chrysomelidae: Cassidinae) of Tripura, northeastern India with some new additions. *Journal of Threatened Taxa*, 4, 3223–3227. <https://doi.org/10.11609/JoTT.o2951.3223-7>
- Baly, J.S. (1863) Descriptions of new species of Cassididae, together with a list of all species belonging to the same family collected by the late M. Mouhot in Siam and Cambodia. *Journal of Entomology*, 2, 6–14.
- Basu, C.R. (1984) Insecta: Coleoptera: Chrysomelidae. *Records of the Zoological Survey of India*, 82 (1–4), 201–214. <https://doi.org/10.26515/rzsi/v82/i1-4/1984/161295>
- Basu, C.R. (2000a) Insecta: Coleoptera: Chrysomelidae. In: Alfred, J.R.B. (ed.) *Fauna of Meghalaya*. State Fauna Series 4: Part 5. Zoological Survey of India, Calcutta, pp. 235–381.
- Basu, C.R. (2000b) Insecta: Coleoptera: Chrysomelidae. In: Alfred, J.R.B. (ed.) *Fauna of Tripura*. State Fauna Series 7: Part 3. Zoological Survey of India, Calcutta, pp. 143–164.
- Basu, C.R. & Halder, S.K. (1987) Insecta: Coleoptera: Chrysomelidae. In: Director (ed.) *Fauna of Orissa*. State Fauna Series 1: Part 1. Zoological Survey of India, Calcutta, pp. 213–240.
- Basu, C.R., Bhaumik, A.R. & Sengupta, T. (1981) Chrysomelidae (Coleoptera) of Tripura (India). *Records of the Zoological Survey of India*, 78, 41–61. <https://doi.org/10.26515/rzsi/v78/i1-4/1981/161776>
- Blanchard, C.E. (1853) *Description des Insectes*. In: Hombron, J.B. & Jacquinet, H. (eds) *Voyage au pôle Sud et dans l'Océanie sur les corvettes l'Astrolabe et la Zélée, exécuté par ordre du Roi pendant les années 1837-1838-1839-1840, sous le commandement de M. J. Dumont-d'Urville, capitaine de vaisseau, publié par ordre du gouvernement, sous la direction supérieure de M. Jacquinet capitaine de vaisseau commandant de la Zélée*. Zoologie, Tome quatrième. Gide et J. Baudry, Paris. 422 p.
- Boheman, C.H. (1850) *Monographia Cassidarum*. Tomus Primus. Ex Officina Norstedtiana, Holmiae, 452 p. + 4 tab. <https://doi.org/10.5962/bhl.title.8973>
- Boheman, C.H. (1854) *Monographia Cassidarum*. Tomus Secundus. Ex Officina Norstedtiana, Holmiae. 506 p. + 2 tab.
- Boheman, C.H. (1855) *Monographia Cassidarum*. Tomus Tertius. Ex Officina Norstedtiana, Holmiae. 543 p. + 1 tab.
- Boheman, C.H. (1856) *Catalogue of Coleopterous insects in the Collection of the British Museum: Part IX, Cassididae*. Printed by order of the Trustees, London. 978 p.
- Boheman, C.H. (1862) *Monographia Cassidarum*. Tomus quartus. Ex Officina Norstedtiana, Holmiae. 504 p.
- Borowiec, L. (1985) Asiatic Cassidinae (Coleoptera, Chrysomelidae) in Polish collections. *Polish Journal of Entomology*, 55, 25–38.
- Borowiec, L. (1990) New records and new synonyms of Asiatic Cassidinae (Coleoptera, Chrysomelidae). *Polish Journal of Entomology*, 59, 677–711.
- Borowiec, L. (1997) New synonyms and notes on some Cassidinae species, with description of *Lacoptera rotundicollis* n. sp. from West Africa (Coleoptera: Chrysomelidae). *Genus*, 8, 659–672.
- Borowiec, L. (1999) *A World Catalogue of the Cassidinae (Coleoptera: Chrysomelidae)*. Biologica Silesiae, Wrocław. 476 p.
- Borowiec, L. (2001) New records of Asian and Australopapuan Cassidinae, with a description of five new species of *Cassida* from Thailand (Coleoptera: Chrysomelidae: Cassidinae). *Genus*, 12, 493–562.
- Borowiec, L. (2009) New records of Asian and Australopapuan tortoise beetles (Coleoptera: Chrysomelidae: Cassidinae). *Genus*, 20, 435–484.
- Borowiec, L. & Moragues, G. (2005) Tortoise beetles of the French Guyana - a faunistic review (Coleoptera: Chrysomelidae: Cassidinae). *Genus*, 16, 247–278.
- Borowiec, L. & Ghate, H.V. (1999) *Chiridopsis nigropunctata* n. sp. and notes on *Ch. selecta* (Weise) (Coleoptera: Chrysomelidae: Cassidinae). *Genus*, 10, 103–108.
- Borowiec, L. & Ghate, H.V. (2004) Two new species of *Cassida* Linnaeus from southern India (Coleoptera: Chrysomelidae: Cassidinae). *Genus*, 15, 247–252.

- Borowiec, L. & Le-Tirant, S. (2013) A new species of *Notosacantha* Chevrolat (Coleoptera: Chrysomelidae: Cassidinae: Notosacanthini) from southern India. *Zootaxa*, 3694, 289–395.  
<https://doi.org/10.11646/zootaxa.3694.3.9>
- Borowiec, L. & Sekerka, L. (2010) Cassidinae. In: Löbl, I. & Smetana, A. (eds) *Catalogue of Palaearctic Coleoptera, Chrysomeloidea*. Vol. 6. Apollo Books, Stenstrup, pp. 64–65, 368–390.
- Borowiec, L. & Świętojańska, J. (1996) *Cassida mysorensis* n. sp. from India (Coleoptera: Chrysomelidae: Cassidinae). *Genus*, 7, 467–470.
- Borowiec, L. & Świętojańska, J. (1997) Two new species of *Cassida* Linnaeus from the oriental region (Coleoptera: Chrysomelidae: Cassidinae). *Annales Zoologici*, 47, 275–278.
- Borowiec, L. & Świętojańska, J. (2000) *Chiridopsis ghatei*, a new species from India (Coleoptera: Chrysomelidae: Cassidinae). *Genus*, 11, 53–57.
- Borowiec, L. & Świętojańska, J. (2007) Cassidinae collected during Czech–Polish Expedition to Maharashtra, India (Coleoptera: Chrysomelidae). *Genus*, 18, 279–295.
- Borowiec, L. & Świętojańska, J. (2024) *Cassidinae of the World – An Interactive Manual* (Coleoptera: Chrysomelidae). Available from: <https://www.cassidae.uni.wroc.pl/katalog%20internetowy/index.htm> [Accessed September 23, 2024]
- Borowiec, L. & Takizawa, H. (1991) Notes on Chrysomelid beetles (Coleoptera) of India and its neighboring areas. Part 10. *Japanese Journal of Entomology*, 59, 637–654.
- Borowiec, L., Ranade, S., Rane, N. & Ghate, H.V. (2001) *Chiridopsis rubromaculata* n. sp. from India, and notes on its bionomy and immature stages (Coleoptera: Chrysomelidae: Cassidinae). *Genus*, 12, 361–371.
- Chandra, K. & Kushwaha, S. (2013) Tortoise beetles of (Cassidinae: Coleoptera: Chrysomelidae) from Madhya Pradesh, India. *Annals of Forestry*, 19, 251–256.
- Chandra, K., Shrivastava, O.P., Hegde, V., Kushwaha, R.K., Ghosh, S., Dawn, P., Haldar, S. & Majumder, A. (2018a) Insecta: Coleoptera (Beetles). In: Chandra, K. & Boaz, A.A. (eds) *Fauna of Barnawapara Wildlife Sanctuary, Chhattisgarh*. State Forest Research & Training Institute, Forest Department, Chhattisgarh, and Zoological Survey of India, Kolkata, pp. 258–315.
- Chandra, K., Hegde, V.D., Shrivastava, O.P., Haldar, S. & Majumder, A. (2018b) Insecta: Coleoptera. In: Chandra, K. & Boaz, A.A. (eds) *Fauna of Gomarda Wildlife Sanctuary, Chhattisgarh*. State Forest Research & Training Institute, Forest Department, Chhattisgarh, and Zoological Survey of India, Kolkata, pp. 92–113.
- Chandra, K., Shrivastava, O.P., Hegde, V.D., Kushwaha, R.K., Haldar, S. & Majumder, A. (2018c) Insecta: Coleoptera. In: Chandra, K. & Boaz, A.A. (eds) *Fauna of Udanti Sitandi Tiger Reserve, Chhattisgarh*. State Forest Research & Training Institute, Forest Department, Chhattisgarh, and Zoological Survey of India, Kolkata, pp. 140–157.
- Chandra, K., Shrivastava, O.P., Hegde, V.D., Sar, A., Kushwaha, R.K., Ghosh, S., Majumder, A. & Halder, S. (2018d) Insecta: Coleoptera (Beetles). In: Chandra, K. & Boaz, A.A. (eds) *Fauna of Guru Ghasidas National Park, Chhattisgarh*. State Forest Research & Training Institute, Forest Department, Chhattisgarh, and Zoological Survey of India, Kolkata, pp. 200–221.
- Chandra, K., Shrivastava, O.P., Kushwaha, R.K., Ghosh, S., Sar, A., Halder, S. & Majumder, A. (2018e) Insecta: Coleoptera. In: Chandra, K. & Boaz, A.A. (eds) *Faunal diversity of Bilaspur District, Chhattisgarh*. State Forest Research & Training Institute, Forest Department, Chhattisgarh, and Zoological Survey of India, Kolkata, pp. 166–207.
- Chandra, K., Sar, A., Dawn, P., Halder, S. & Majumder, A. (2018f) Insecta: Coleoptera (Beetles). In: Chandra, K. & Boaz, A.A. (eds) *Faunal Diversity of Durg District Chattisgarh*. State Forest Research & Training Institute, Forest Department, Chhattisgarh, and Zoological Survey of India, Kolkata, pp. 180–191
- Chandra, K., Gupta, D., Ghosh, J., Das, P. & Bhunia, D. (2021) Insecta: Coleoptera: Cerambycidae, Megalopodidae, Disteniidae and Chrysomelidae. In: Sidhu, A.K., Pathania, P.C. & Gupta, D. (eds) *Fauna of Himachal Pradesh*. State Fauna Series, 26: Part 2. Zoological Survey of India, Kolkata, pp. 51–65.
- Chattopadhyay, S. (2020) *Aspidimorpha sanctaerucis* (Fabricius): A newly recorded tortoise beetle (Coleoptera: Chrysomelidae: Cassidinae) on *Dalbergia sissoo* Roxb. from Jharkhand, India. *Journal of Entomology and Zoology Studies*, 8 (6), 279–280.
- Chen, S., Yu, P., Sun, C. & Zia, Y. (1986) *Coleoptera Hispidae*. Fauna Sinica, Insecta. Science Press, Beijing. 653 p. + XV pl.
- Chen, S.H. & Zia, Y. (1961) Results of the zoologico–botanical expedition to Southwest China 1955–1957 (Coleoptera, Cassidinae). *Acta Entomologica Sinica*, 10, 439–451.

- Chujô, M. (1934) Studies on the Chrysomelidae in the Japanese Empire. *Syloia*, 5, 145–182.
- Curtis, J. (1826) *British Entomology: being illustrations and descriptions of the genera of Insects found in Great Britain and Ireland: containing coloured figures from nature of the most rare and beautiful species, and in many instances of the plants upon which they are found*. London, Vol. III, tt. 99–146.
- Dohrn, C. (1880) Exotisches. Stettin. *Entomologische Zeitung*, 41, 149–157.
- Duvivier, A. (1891) Les Phytophages du Chota-Nagpore. *Annales de la Société Entomologique de Belgique, Bulletin* 35, XXIV–LI.
- Duvivier, A. (1892) Mélanges entomologiques. *Annales de la Société Entomologique de Belgique*, 36, 56–60, 163–167.
- Escalera, M.M. de la (1914) Los Coleópteros de Marruecos. *Trabajos del Museo Nacional de Ciencias Naturales. Serie Zoológica, Madrid*, 11, 1–553.
- Fabricius, J.C. (1775) *Systema Entomologiae, sistens Insectorum classes, ordines, genera, species, adiectis synonymis, locis, descriptionibus, observationibus*. Officina Libraria Kortii, Flensburgi et Lipsiae. 32 + 832 p.  
<https://doi.org/10.5962/bhl.title.36510>
- Fabricius, J.C. (1787) *Mantissa Insectorum sistens eorum species nuper detectas adiectis characteribus genericis, differentiis specificis, emendationibus, observationibus*. I. Impensis Christ. Gottl. Proft., Hafniae. XX + 348 p.  
<https://doi.org/10.5962/bhl.title.11657>
- Fabricius, J.C. (1792) *Entomologia Systematica emendata et aucta. Secundum classes, ordines, genera, species adiectis synonymis, locis, observationibus, descriptionibus*. I. Impensis Christ. Gottl. Proft., Hafniae. 1, XX + 330 p., 2, 538 p.  
<https://doi.org/10.5962/bhl.title.125869>
- Fabricius, J.C. (1798) *Supplementum Entomologiae Systematicae*. Impensis Christ. Gottl. Proft, Hafniae. II + 572 p.  
<https://doi.org/10.5962/bhl.title.65803>
- Fabricius, J.C. (1801) *Systema Eleutheratorum secundum ordines, genera, species adiectis synonymis, locis, observationibus, descriptionibus*. I. Bibliopolii Academici Novi, Kiliae. XXIV + 506 p.
- George, J.M. & Venkatamaran, K. (1986) Occurrence and life history of *Cassida circumdata* Herbst (Coleoptera: Chrysomelidae) in Keoladeo National Park, Bharatpur, India. *Journal of the Bombay Natural History Society*, 84, 248–253.
- Gemminger, D. & Harold, B. de (1876) *Catalogus Coleopterorum Hucusque Descriptorum Synonymicus et Systematicus*. Tom XII, Sumptu E.H. Gummi, Monachii. 3823 + LXXIII pp.
- Ghate, H.V. & Ranade, S.P. (2002) New locality records and additional comments on the life history stages of *Epistictina reicheana* (Guerin). (Coleoptera: Chrysomelidae: Cassidinae). *Zoo's Print Journal*, 17, 729–731.  
<https://doi.org/10.11609/JoTT.ZPJ.17.3.729-31>
- Ghate, H.V., Borowiec, L., Rane, N.S., Ranade, S.P. & Pandit, S. (2003) Tortoise beetles and their host plants from Pune (Maharashtra State, India) and nearby places (Coleoptera: Chrysomelidae: Cassidinae). *Genus*, 14, 519–539.
- Ghosh, J., Das, P., Ghosh, S.K., Bhunia, D., Kushwaha, R.K., Gupta, D. & Chandra, K. (2020) Insecta: Coleoptera. In: Rizvi, A.N., Tak, P.C. & Gupta, D. (eds) *Fauna of Haryana*. State Fauna Series 24: Part 1A. Zoological Survey of India, Kolkata, pp. 221–275.
- Ghosh, P., Das, P., Gupta, D. & Raghunathan, C. (2023) Tortoise beetles (Coleoptera: Chrysomelidae: Cassidinae) of West Bengal, India. *International Journal of Zoology and Applied Biosciences*, 8 (2), 22–28.
- Gressitt, J.L. (1938) Some tortoise beetles from Hainan Island (Coleoptera: Chrysomelidae: Cassidinae). *Lingnan Science Journal*, 17, 185–193.
- Gressitt, J.L. (1952) The tortoise beetles of China (Chrysomelidae: Cassidinae). *Proceedings of the California Academy of Sciences*, 27, 433–592.
- Guérin-Méneville, F.E. (1844) *Iconographie du Règne Animal de G. Cuvier, ou représentation d'après nature de l'une des espèces les plus remarquables et souvent non encore figurées, de chaque genre d'animaux. Avec un texte descriptif mis au courant de la Science*. Insectes. J.B. Baillière, Paris. 576 p.
- Gupta, D. & Kushwaha, S. (2020) Coleoptera: Chrysomelidae. In: Jaiswal, D., Chandra, K., Kushwaha, S. & Gupta, D. (eds) *Faunal Diversity of Bhoj Wetland, Bhopal, Madhya Pradesh, India (A Ramsar Site)*. Zoological Survey of India, Kolkata, pp. 116–117.
- Gupta, D., Ghosh, J., Das, P., Chandra, K. & Banerjee, K. (2019) Insecta: Coleoptera. In: Tak, P.C. & Rizvi, A.N. (eds) *Fauna of Punjab*. State Fauna Series 23. Zoological Survey of India, Kolkata, pp. 203–274.
- Herbst, J.F.W. (1799) *Natursystem aller bekannten in + und ausländischen Insekten, als eine Fortsetzung der von Büffonschen Naturgeschichte*. Der Käfer, 8. Buchhandlung des Geh. Commerzien Rath's Pauli, Berlin. XVI + 420 p., 24 pls.

- Hope, F.W. (1831) Synopsis of the new species of Nepaul insects in the collection of Major General Hardwicke. *The Zoological Miscellany*, 1, 21–32.
- Illiger, J.K.W. (1798) *Verzeichniss der Käfer Preussens*. Halle, Braunschweig. XLII+510 p.
- Kalaichelavan, T. & Verma, K.K. (2005) Checklist of Leaf beetles (Coleoptera: Chrysomelidae) of Bhilai–Durg. *Zoos' Print's Journal*, 20 (4), 1838–1842. <https://doi.org/10.11609/JoTT.ZPJ.1114.1838-42>
- Kimoto, S. (1981) Notes on the Chrysomelidae from Taiwan, China. X. *Entomological Review of Japan*, 36, 1–4.
- Kirsch, T. (1875) Neue Käfer aus Malacca. *Mitteilungen Aus Dem Königlichen Museum of Zoology Dresden*, 1, 3–34.
- Kumar, R., Chutia, P. & Rajkhowa, G. (2016) Major pest, *Calopepla leayana* Latr. (Coleoptera: Chrysomelidae) of *Gmelina arborea* (Roxb.) from Meghalaya and Assam (India) with emphasis on illustrated biology. *Bio Bulletin*, 2 (1), 1–5.
- Latreille, P.A. (1807) *Genera Crustaceorum et Insectorum secundum ordinem naturalem in familias disposita, iconibus exemplisque plurimis explicata*. Tomus tertius. A. Koenig, Parisiis et Argentorati. 280 p.  
<https://doi.org/10.5962/bhl.title.34916>
- Linnaeus, C. (1767) *Systema Naturae per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus differentiis, synonymis, locis*. Tom. 1. Pars II. Editio Duodecima, reformata, Laurentii Salvii, Typis Ioannis Thomae von Trattner, Vindobonae, pp. 533–1327 + 37. <https://doi.org/10.5962/bhl.title.158187>
- Mannerheim, C.G. (1844) Lettre a S. E. Mr. Fischer de Waldheim ou relation d un voyage fait en 1844, en Suede, en Danemarck et dans nord de l'Allemagne. *Bulletin de la Société Impériale des Naturalistes de Moscou*, 17, 844–872.
- Maulik, S. (1913) Cryptostomes from the Indian Museum. *Records of the Zoological Survey of India*, 9, 104–118.  
<https://doi.org/10.26515/rzsi/v9/i2/1913/163680>
- Maulik, S. (1916) On Cryptostome beetles in the Cambridge University Museum of Zoology. *Proceedings of the Zoological Society of London*, 1916, 567–589. <https://doi.org/10.1111/j.1096-3642.1916.tb02038.x>
- Maulik, S. (1918) Two new Indian Cassidinae beetles. *Annals and Magazine of Natural History*, 9 (1), 322–325.  
<https://doi.org/10.1080/00222931808562321>
- Maulik, S. (1919) *The Fauna of British India. Coleoptera. Chrysomelidae (Hispinidae and Cassidinae) Coleoptera. Chrysomelidae. (Hispinidae & Cassidinae)*. Taylor & Francis, London. 439 p.
- Maulik, S. (1923) New Cryptostome beetles. *Proceedings of the Zoological Society of London*, 1923, 599–608.  
<https://doi.org/10.1111/j.1096-3642.1923.tb02199.x>
- Medvedev, L.N. (1977) New data on the Chrysomelidae from Nepal. *Elytra*, 25, 255–266.
- Mohamedsaid, M.S. (2006) An interesting discovery of the tortoise beetles *Aspidimorpha deusta* and *Silana farinosa* in Borneo (Coleoptera: Chrysomelidae: Cassidinae). *Malayan Nature Journal*, 59, 63–72.
- Motschulsky, V. (1860) Entomologie spéciale. Insectes des Indes orientales, et de contrées analogues. *Etudes Entomologiques*, 8, 25–118.
- Olivier, A.G. (1790) *Encyclopédie méthodique. Histoire naturelle. Insectes*. Tome cinquième. Panckoucke, Paris. 793 p.
- Olivier, A.G. (1808) *Entomologie, ou Histoire naturelle des insectes, avec leurs caractères génériques et spécifiques, leur description, leur synonymie, et leur figure enluminée. Coléoptères*. Tome sixième. Baudouin, Paris. [4] + 613–1104, 46 pls.
- Pajni, H.R. & Bansal, R.K. (1977) First report on the Chrysomelid fauna of Chandigarh. *Research Bulletin of the Punjab University (Science)*, 28, 55–59.
- Pic, M. (1927) Coléoptères de l'Indochine. Mélang. *Exotic Entomology*, 49, 1–36.
- Ranade, S.P., Ghate, H.V., & Świątojanska, J. (2004) Detailed description of first and last instar larva and pupa of *Lacoptera foveolata* (Boheman, 1856) from India with notes on its bionomy (Coleoptera: Chrysomelidae: Cassidinae). *Annales Zoologici*, 54 (4), 783–796.
- Rane, N., Ranade, S. & Ghate, H.V. (2000) Some observations on the biology of *Notosacantha vicaria* (Spaeth) (Coleoptera: Chrysomelidae: Cassidinae). *Genus*, 11, 197–204.
- Rawat, R.R. & Modi, B.N. (1972) Preliminary study on the biology and natural enemies of tortoise-beetle, *Oocassida pudibunda* Boh. (Coleoptera: Chrysomelidae: Cassidinae) in Madhya Pradesh. *Indian Journal of Agricultural Sciences*, 854–856.
- Raychaudhuri, D. & Saha, S. (2014) *Atlas of Insects and Spiders of Buxa Tiger Reserve*. Nature Books India, Kolkata, 357 p.
- Rodgers, W.A., Panwar, H.S. & Mathur, V.B. (2002) *Wildlife protected area network in India: A review*. Wildlife Institute of India, Dehradun. 51 p.

- Saha, S. & Raychaudhuri, D. (1997) Tortoise beetles (Cassidinae) of Buxa Tiger Reserve, Jalpaiguri, West Bengal. *Insect Environment*, 2 (4), 129–130.
- Sekerka, L. (2008) Two new species of *Notosacantha* Chevrolat, 1834 from India (Coleoptera: Cassidinae: Notosacanthini). *Zootaxa*, 1874, 57–62. <https://doi.org/10.11646/zootaxa.1874.1.5>
- Sekerka, L. (2011) *Cassida stevensi*, a new species from India (Coleoptera: Chrysomelidae: Cassidinae: Cassidini). *Genus*, 22, 499–504.
- Sekerka, L. & Barclay, M.V.L. (2014) Fabrician types of Cassidinae (Coleoptera: Chrysomelidae) deposited in the Natural History Museum, London. *Acta Entomologica Musei Nationalis Pragae*, 54 (2), 657–684.
- Sekerka, L. & Borowiec, L. (2008) Three new species of *Cassida* Linné, 1758 from India and note on *Thlaspida obenbergeri* Spaeth, 1928 (Coleoptera: Chrysomelidae: Cassidinae: Cassidini). *Annales Zoologici*, 58, 611–620. <https://doi.org/10.3161/000345408X364454>
- Sekerka, L. & Świętojańska, J. (2024) Cassidinae. In: Bezděk, J. & Sekerka, L. (eds) *Catalogue of Palaearctic Coleoptera*, Vol. 6/2/1, Chrysomeloidea II (Orsodacnidae, Megalopodidae, Chrysomelidae). Brill, Leiden-Boston, pp. 233–272.
- Singh, J.P., Rose, H.S. & Sangita, S. (1985) Biology of *Cassida enervis* Boh. (Coleoptera: Chrysomelidae: Cassidinae) – a serious pest on *Celosia argentea*, an ornamental plant. *Entomon*, 10, 107–110.
- Singh, S. & Sharma, D.R. (2014) Infestation of tortoise beetle, *Cassida exilis* Boheman (Coleoptera: Cassidinae) on Kinnow mandarin in India. *Pest Management in Horticultural Ecosystems*, 20 (1), 89–91.
- Spaeth, F. (1901a) Beschreibung neuer Cassididen nebst synonymischen Bemerkungen. IV. *Verhandlungen der Zoologisch–Botanischen Gesellschaft in Wien*, 51, 333–350.
- Spaeth, F. (1901b) Neue Cassiden aus Sumatra gesammelt von Dr. H. Dohrn. Stettin. *Entomologische Zeitung*, 62, 3–13.
- Spaeth, F. (1903) Zusammenstellung der bisher von Neu–Guinea bekannt gewordenen Cassiden mit besonderer Berücksichtigung der Sammlungen des Ungarischen National–Museums und des Museo Civico von Genua. *Annales Musei Historico–Naturalis Hungarici*, 1, 109–160.
- Spaeth, F. (1904) Zur Kenntnis der Cassiden des Ostindischen Archipels. *Annali del Museo Civico di Storia Naturale di Genova*, 3 (1), 69–79. <https://doi.org/10.5962/bhl.part.24158>
- Spaeth, F. (1913a) Studien über die gattung *Hoplionota* Hope und Beschreibung einer verwandten neuen gattung. *Verhandlungen der Zoologisch–Botanischen Gesellschaft in Wien*, 63, 381–534.
- Spaeth, F. (1913b) H. Sauter's Formosa–Ausbeute. Cassidinae. *Annales Musei Historico–Naturalis Hungarici*, 11, 46–48.
- Spaeth, F. (1914a) H. Sauter's Formosa–Ausbeute. Cassidinae (Col.) II. *Supplementa Entomologica*, 3, 14–19.
- Spaeth, F. (1914b) Zur Kenntnis der indischen Cassidinen. *Deutsche Entomologische Zeitschrift*, 1914, 542–568. <https://doi.org/10.1002/mmnd.48019140506>
- Spaeth, F. (1914c) Chrysomelidae: 16. Cassidinae. In: Junk, W. & Schenkling, S. (eds) *Coleopterorum Catalogus*. Pars 62, W. Junk, Berlin, pp. 1–182.
- Spaeth, F. (1919) Neue Cassidinae aus der Sammlung von Dr. K. Brancsik, dem Ungarischen National–Museum und meiner Sammlung. *Annales Musei Historico–Naturalis Hungarici*, 17, 184–204.
- Spaeth, F. (1925) Die Gattung *Prioptera* Hope (Coleoptera, Cassididae). *Philippine Journal of Science*, 28, 379–435.
- Spaeth, F. (1926a) Fauna Buruana. Coleoptera, Subfam. Cassidinae. *Treubia*, 7, 307–310.
- Spaeth, F. (1926b) Neue Cassidinen des Rijksmuseums in Leiden, des British Museums und meiner Sammlung. *Zoologische Mededeelingen*, 9, 1–15.
- Spaeth, F. (1926c) Beschreibung neuer Cassidinen. *Bulletin de la Société des Naturalistes Luxembourgeois* (N.S.), 20, 11–24, 47–60.
- Spaeth, F. (1926d) Mitteilungen ueber die Cassidinen des Prager Nationalmuseums (Coleoptera: Chrysomelidae). *Sbornik Entomologickeho oddeleni Narodniho Muzea v Praze*, 4, 81–96.
- Spaeth, F. (1933a) Neue Cassidinen von den Philippinen–Inseln (Coleoptera; Chrysomelidae). *Philippine Journal of Science*, 51, 495–506.
- Spaeth, F. (1933b) Bestimmungstabelle der *Hoplionota*–Arten (Col. Chrys. Cass.) von Australien, Asien und den dazugehörigen Inseln. Wien. *Entomologische Zeitung*, 50, 117–141.
- Spaeth, F. (1936) Neue Cassidinen und Hispinen (Col.) aus dem British Museum. *Proceedings of the Royal Entomological Society of London*, Series B. *Taxonomy*, 5, 8–11. <https://doi.org/10.1111/j.1365-3113.1936.tb01303.x>
- Spaeth, F. (1938) Über die von Herrn R. Malaise 1934 in Burma gesammelten Cassidinen. *Entomologisk Tidskrift*, 59, 228–236.

- Spaeth, F. & Reitter, E. (1926) *Bestimmungs-Tabellen der europäischen Coleopteren*. 95 Heft. *Cassidinae der Palaearktischen Region*. Verlag von Edmund Reitter's Nachfolger Emmerich Reitter, Troppau. 68 p.
- Srivastava, O.P. (2015) Insecta: Coleoptera: Chrysomelidae. In: Chandra, K. (ed.) *Fauna of Uttar Pradesh*. State Fauna Series 22: Part 2. Zoological Survey of India, Kolkata, pp. 445–459.
- Świątojańska, J. (2001) A revision of the tribe Aspidimorphini of the Oriental Region (Coleoptera: Chrysomelidae: Cassidinae). *Genus* (suppl.), 1–318 + 18 pl.
- Świątojańska, J. (2006) A new species of *Notosacantha* Chevrolat from India (Coleoptera: Chrysomelidae: Cassidinae). *Genus*, 17, 121–125.
- Świątojańska, J. & Sekerka, L. (2007) *Notosacantha warchalowskii*, a new species from India (Coleoptera: Chrysomelidae: Cassidinae: Notosacanthini). *Genus*, 18 (4), 681–685.
- Świątojańska, J., Ghate, H.V. & Marathe, R. (2001) *Notosacantha chandrapurensis* n. sp. from India (Coleoptera: Chrysomelidae: Cassidinae). *Genus*, 12, 489–492.
- Takizawa, H. (1980) Immature stages of some Indian Cassidinae (Coleoptera: Chrysomelidae). *Insecta Matsumurana*, N.S., 21, 19–48.
- Takizawa, H. (1983) Chrysomelid-beetles of India in the collection of the National Institute of Agricultural Sciences, Tsukuba (Coleoptera). *Entomological Review of Japan*, 38, 65–79.
- Takizawa, H. (1985a) Notes on Korean Chrysomelidae, part 2. *Nature and Life (Kyungpook Journal of Biological Science)*, 15, 1–18.
- Takizawa, H. (1985b) Notes on Chrysomelid-beetles (Coleoptera, Chrysomelidae) of India and its neighboring areas, part I. *Kontyu*, 53, 565–575.
- Takizawa, H. (1986) Notes on chrysomelid-beetles of India and its neighboring areas, part III (Coleoptera, Chrysomelidae). *Entomological Review of Japan*, 41, 35–47.
- Takizawa, H. (1987) Notes on chrysomelid beetles (Coleoptera, Chrysomelidae) of India and its neighboring areas, part 6. *Kontyu*, 55, 521–529.
- Takizawa, H. (1989) Chrysomelid beetles of Nepal, Northeastern India and Western Sikkim collected by the Himalaya Expeditions of the National Science Museum, Tokyo (part 1). *Japanese Journal of Entomology*, 57, 319–332.
- Takizawa, H. & Kimoto, S. (1990) Notes on Chrysomelid beetles of S. India preserved in the collection of the Staatliches Museum of Munich (Coleoptera: Chrysomelidae). *Entomological Review of Japan*, 45, 7–10.
- Thunberg, C.P. (1789) *Dissertatio Entomologica Novas Insectorum species sistens, cujus partem quintam. Publico Examine Subjicit Johannes Olai Noraeus, Uplandus*. J. Edmann, Upsaliae, pp. 85–106, pl. 5.
- Vazirani, T.G. (1972) Notes on collection of Hispinae and Cassidinae (Coleoptera: Chrysomelidae) from N. E. India. *Records of the Zoological Survey of India*, 66, 143–152.
- Villers, C. (1789) *Caroli Linnaei Entomologia, Faunae Suecicae descriptionibus aucta; DD. Scopoli, Geoffroy, De Geer, Fabricii, Schrank, etc. speciebus vel in Systemate non enumeratis, vel nuperrime detectis, vel speciebus Galliae Australis locupletata, generum specierum que rariorum iconibus ornata*. Piestre et Delamollière, Lugduni [Lyon]. XVI + 766 p. + 3 pl.
- Visalakshi, A., Santhakumari, K., Koshy, G. & Nair, M.R.G.K. (1980) Biological studies on *Aspidomorpha furcata* Thunb. (Chrysomelidae: Coleoptera). *Entomon*, 3, 167–169.
- Wagener, B. (1877) Cassididae. *Mitteilungen der Münchner Entomologischen*, 1, 49–79.
- Wagener, B. (1881) Cassididae. *Mitteilungen der Münchner Entomologischen*, 5, 17–85.
- Weber, F. (1801) *Observationes Entomologicae, Continentes Novorum quae Condidit Generum Characteres, et Nuper Detectarum Specierum Descriptiones*. Bibliopoli Academici Novi, Kiliae. 12 + 117 p.  
<https://doi.org/10.5962/bhl.title.8639>
- Weise, J. (1897) Kritisches Verzeichniss der von Mr. Andrewes eingesandten Cassidinen und Hispinen aus Indien. *Deutsche Entomologische Zeitschrift*, 1897, 97–150.
- Weise, J. (1899) Einige neue Cassidinen-gattungen und Arten. *Archiv für Naturgeschichte*, 65 (1), 268–273.
- Weise, J. (1901) Cassidinen aus Ceylon gesammelt von Dr. Horn. *Deutsche Entomologische Zeitschrift*, 1901, 49–56.
- Weise, J. (1905) Zweites Verzeichniss der Hispinen und Cassidinen aus Vorder-Indien. *Deutsche Entomologische Zeitschrift*, 1905, 113–129. <https://doi.org/10.1002/mmnd.48119050217>
- Weise, J. (1908) Description of new Cassididae of the Philippine Islands. *Philippine Journal of Science (Sec. D)*, 3, 259–260.

- Weise, J. (1910a) Verzeichniss von Coleopteren aus den Philippinen, nebst zwei neuen Arten aus Niederländisch Ostindien. *Philippine Journal of Science* (Sec. D), 5, 139–148.
- Weise, J. (1910b) Chrysomeliden und Coccinelliden. *Verhandlungen des Naturforschenden Vereines in Brünn*, 48, 26–53.
- Weise, J. (1915) Einige neue Cassidinen. *Deutsche Entomologische Zeitschrift*, 1915, 508–512.  
<https://doi.org/10.1002/mmnd.48019150503>
- Wiedemann, C.R.W. (1823) Zweihundert neue Käfer von Java, Bengalen und den Vorgebirge der guten Hoffnung. *Zoologisches Magazin*, 2 (1), 1–135.

## فهرست جامع و انتشار جغرافیایی سوسک‌های لاک‌پشتی (Coleoptera, Chrysomelidae: Cassidinae) در هند

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**چکیده:** با بررسی جامع منابع و مطالعه نمونه‌های موجود در بخش قاب‌بالان مرکز مطالعات جانورشناسی هند در کلکته، که از جمله ۱۱ نمونه مرجع یا تیپ را نیز شامل می‌شود، ۱۵۴ گونه سوسک لاک‌پشتی (Coleoptera: Chrysomelidae: Cassidinae) برای هند شناسایی شدند. این تقریباً ۵.۴ درصد از تنوع گونه‌های سوسک‌های لاک‌پشتی شناخته شده را شامل می‌شود. عکس از نمونه‌های مطالعه شده (از جمله نمونه‌های مرجع) تهیه شده است. جزئیات پراکنش تمام گونه‌ها در استان‌های هند (شامل بخش‌ها و خردمکان/ریزمکان‌ها) و مناطق جغرافیای زیستی ارائه شده است. مطالعه داده‌های پراکنش گونه‌ها نشان می‌دهد که گات‌های غربی بیشترین تعداد گونه سوسک لاک‌پشت (۸۴ گونه) را در خود جای داده است و پس از آن شمال شرقی (۵۸)، شبه جزیره دکن (۵۱)، هیمالیا (۴۹)، دشت‌های گنگ (۳۴)، جزایر (۱۲) و مناطق نیمه خشک (۱۲) قرار دارند.

**واژگان کلیدی:** جغرافیای زیستی، تنوع، فون، تاکسونومی، نمونه‌های مرجع