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Research Article

An Annotated Checklist of Chalcididae (Hymenoptera: Chalcidoidea) of the Andaman and Nicobar Islands, India

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ABSTRACT: An annotated checklist of the family Chalcididae (Hymenoptera: Chalcidoidea) is presented for the Andaman and Nicobar Islands, India. Based on the specimen data of the expeditions undertaken during 2012, 2016 and 2024 by the Indian Council of Agricultural Research - National Bureau of Agricultural Insect Resources, Bengaluru (ICAR-NBAIR) team, across the archipelago alongside integrating species data from the literature review, a total of 54 extant species representing ten genera and four subfamilies are documented, thus adding 38 species as new distribution records. The present study indicates Haltichellinae as the dominant subfamily, followed by Brachymeriinae, Dirhininae and Epitraninae, with *Brachymeria* Westwood, *Antrocephalus* Kirby, and *Hockeria* Walker being the most diverse genera. The fauna exhibits strong biogeographic affinities with mainland India and Southeast Asia (Malaysia, Indonesia, Thailand and Vietnam).

KEYWORDS: Chalcidid wasps, distribution, island biogeography, new record, oriental region

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INTRODUCTION

The Andaman and Nicobar Islands, situated in the Bay of Bengal between the Indian subcontinent and Southeast Asia, form a biogeographically distinctive part of the Indo-Malayan region. Their geographical isolation, tropical habitats and position between South and Southeast Asia have shaped a diverse fauna with affinities to both mainland India and Southeast Asia. The islands therefore provide an important setting for examining patterns of faunal dispersal, colonization and distribution within the Oriental biogeographic region.

Among the parasitoid wasps occurring in the region, Chalcididae Latreille, 1817 (Hymenoptera: Chalcidoidea) is of particular taxonomic and ecological interest. Members of the family are predominantly parasitoids of immature stages of Lepidoptera, Diptera, Coleoptera and Hymenoptera and form an important component of parasitoid communities, including species associated with economically important insect hosts (Narendran & van Achterberg, 2016). Morphological and molecular studies have further refined the higher classification and evolutionary relationships within the family (Heraty *et al.*, 2013; Gul *et al.*, 2020; Cruaud *et al.*, 2021).

The Oriental Region harbours considerable diversity of Chalcididae, although its distribution remains incompletely documented because of uneven sampling and ongoing taxonomic revisions. Binoy *et al.* (2021) provided a comprehensive checklist of Indian Chalcididae, comprising 241 species across five subfamilies, thereby establishing an important baseline for assessing the distribution of the family in India. Subsequent regional studies have expanded this baseline by adding new distributional records and providing more detailed information from previously underexplored areas. For example, Minz *et al.* (2024b) recorded 71 species belonging to 11 genera and four subfamilies from Chhattisgarh, demonstrating the value of region-specific surveys in improving the understanding of Chalcididae diversity in India.

In comparison with mainland India, the Chalcididae of the Andaman and Nicobar Islands remain relatively poorly documented. The island fauna may include widespread Oriental taxa as well as species with affinities to mainland India and Southeast Asia, reflecting the geographical position and biogeographic history of the islands. However, available information is dispersed among historical taxonomic publications, faunistic records and recent collections, limiting a comprehensive assessment of the family's composition and distribution.

Binoy (2026) listed a total of 16 species of Chalcididae from the Andaman archipelago based on previously published records. Specimens collected by ICAR-NBAIR team during the field surveys undertaken in 2012, 2016 and 2024, which included the 2016 expedition undertaken in the Great Nicobar island, provides an opportunity to reassess the known diversity of the family across the Andaman and Nicobar group of Islands. The present study provides an annotated checklist by integrating authentically identified voucher specimens along with verified literature records. In addition to documenting newly recorded species, the study examines their distribution and the biogeographic affinities of the island fauna in relation to mainland India and neighbouring Southeast Asian regions. The present study provides a comprehensive baseline data for future taxonomic, biogeographic and ecological studies of Chalcididae in the Andaman and Nicobar Islands.

MATERIALS AND METHODS

The present comprehensive checklist is primarily based on freshly collected specimens during three major expeditions undertaken in the Andaman and Nicobar Islands, organized and led by the second author (AG-ICAR-NBAIR) in 2012, 2016 and 2024, respectively. The findings from the initial expedition (2012) were previously published by Gupta and Joshi (2013). The first author (KAM) participated in the 2024 expedition and contributed to specimen identification, compilation of distributional records, literature extraction spanning 1952-2026, leading to the preparation of the present checklist. The examined voucher specimens from all the three expeditions are deposited in the National Insect Museum (NIM) of ICAR-NBAIR, Bengaluru, India. The topographic map of the Andaman Archipelago was generated using QGIS v.3.14 (Figure 1).



Figure 1. Map showing survey locations in Andamans.

The checklist incorporates data syntheses from key published works, including: Bouček (1982), Narendran (1986), Sheela *et al.* (2003), Gupta and Joshi (2013), Gowri *et al.* (2016), Binoy (2026) and also Universal Chalcidoidea Database (UCD Community, 2023). The checklist includes the following information: subfamilies arranged alphabetically, with genera and species therein also organized in alphabetical order; species accounts including materials examined, valid geographical distribution within and outside the administrative boundaries of India, along with relevant references. The arrangement of subfamilies and genera follows the classification system proposed by Heraty *et al.* (2013) and Cruaud *et al.* (2021).

RESULTS

A total of 54 Chalcididae species across four subfamilies were recorded from the Andaman and Nicobar Islands. Primary survey locations across the archipelago are mapped in Figure 1.

SUBFAMILY BRACHYMERIINAE

Genus *Brachymeria* Westwood, 1829

***Brachymeria albicrus* (Klug, 1834)**

Material examined: Andaman and Nicobar Islands: 1 ♀, Little Andaman, Hutbay, 17.ii.2024, Coll. R. Pattar.

Distribution: India: Andaman and Nicobar Islands (new record), Bihar, Karnataka, Kerala, Odisha, Puducherry, Tamil Nadu, Uttar Pradesh. Elsewhere: Egypt; Ethiopia; Iran; Israel; Nepal; Pakistan; Papua New Guinea; Somalia (Bouček, 1956; Herting, 1976; Hayat & Viggiani, 1984; Narendran, 1986; Azerefegne, 1999; Sheela *et al.*, 2015; Gowri *et al.*, 2016; Binoy *et al.*, 2021; Minz *et al.*, 2024b; Binoy, 2026).

***Brachymeria apicicornis* (Cameron, 1911)**

Material examined: Andaman and Nicobar Islands: 1 ♂, Little Andaman, Hutbay, 27.ii.2016, Coll. Sandesh Gawas; 2 ♀, Swaraj Dweep, 06.ii.2024, Coll. Kriti A. Minz; 8 ♀, Middle Andaman, Rangat, 09.ii.2024, Coll. R. Pattar and Kriti A. Minz; 1 ♂, Middle Andaman, Rangat, 10.ii.2024, Coll. Hemanth Kumar H. M.; 1 ♀, South Andaman, Port Blair, ICAR-CIARI, 15.ii.2024, Coll. R. Pattar; 2 ♀, South Andaman, Port Blair, 19.ii.2024, Coll. R. Pattar.

Distribution: India: Andaman and Nicobar Islands (new record), Bihar, Chhattisgarh, Karnataka, Kerala, Rajasthan, Tamil Nadu. Elsewhere: Indonesia; Malaysia (Narendran, 1986; Sheela *et al.*, 2003; Gowri *et al.*, 2016; Minz *et al.*, 2024b; Sushama *et al.*, 2026).

***Brachymeria banksi* (Ashmead, 1905)**

Material examined: Andaman and Nicobar Islands: 1 ♀, South Andaman, Ferrargunj, 26-27.ii.2016, Coll. Sandesh Gawas; 3 ♀, South Andaman, Ferrargunj, 26-27. ii.2016, Coll. Sandesh Gawas; 9 ♀, Little Andaman, Hutbay, 26-27.ii.2016, Coll. Sandesh Gawas; 5 ♀, Little Andaman, Hutbay, 26-27.ii.2016, Coll. Sandesh Gawas; 2 ♀, Middle Andaman, Kadamtala, 06.iii.2016, Coll. Sandesh Gawas and Rajeshwari; 2 ♂, Swaraj Dweep, 06.ii.2024, Coll. Kriti A. Minz; 2 ♀, Swaraj Dweep, Radhanagar, 06.ii.2024, Coll. Hemanth Kumar H. M.; 1 ♂, South Andaman, Kalapathar, 06.ii.2024, Coll. Hemanth Kumar H. M.; 2 ♂, Swaraj Dweep, Radhanagar, 06-07.ii.2024, Coll. R. Pattar; 1 ♀, South Andaman, Baratang, 08.ii.2024, Coll. Hemanth Kumar H. M.; 1 ♀, Middle Andaman, Rangat, 09.ii.2024, Coll. Hemanth Kumar H. M.; 5 ♂, Middle Andaman, Rangat, 09.ii.2024, Coll. R. Pattar and Kriti A. Minz; 7 ♀, Middle Andaman, Rangat, 10.ii.2024, Coll. Hemanth Kumar H. M.; 1 ♀, Middle Andaman, Mayabunder, 11.ii.2024, Coll. R. Pattar; 2 ♂, North Andaman, Diglipur, 12.ii.2024, Sweep net, Coll. Hemanth Kumar H. M.; 1 ♀, North Andaman, Diglipur, 12.ii.2024, Coll. Hemanth Kumar H. M.; 4 ♀, North Andaman, Diglipur, 13.ii.2024, Coll. Hemanth Kumar H.M.; 5 ♂, South Andaman, Port Blair, ICAR-CIARI, 15.ii.2024, Coll. Hemanth Kumar H. M. and R. Pattar; 3 ♀, Little Andaman, Hutbay, 16.ii.2024, Coll. Hemanth Kumar H. M.; 3 ♀, South Andaman, Port Blair, 19.ii.2024, Coll. R. Pattar; 1 ♀, South Andaman, Sippighat, KVK, 20.ii.2024.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Kerala. Elsewhere: Philippines (Baltazar, 1966; Narendran, 1986; Minz *et al.*, 2024b).

***Brachymeria burksi* Chhotani, 1966**

Material examined: Andaman and Nicobar Islands: 2 ♀, Little Andaman, Hutbay, 17.ii.2024, Coll. R. Pattar.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Dadra Nagar Haveli, Kerala, Odisha, Uttar Pradesh, West Bengal (Narendran, 1986; Mani, 1989; Sheela *et al.*, 2003, 2015; Sheela & Tiwari, 2004; Basak *et al.*, 2020; Minz *et al.*, 2024b).

***Brachymeria carinata* Joseph, Narendran and Joy, 1970**

Material examined: Andaman and Nicobar Islands: 1 ♀, South Andaman, Port Blair, 08.iii.2012, Coll. Ankita Gupta.

Distribution: India: Andaman and Nicobar Islands (new record), Delhi, Karnataka, Kerala, Tamil Nadu. Elsewhere: Malaysia; China; Philippines; Vietnam (Joseph *et al.*, 1973a; Narendran, 1986; Kamarudin *et al.*, 1996; Narendran & van Achterberg, 2016).

***Brachymeria euploeae* (Westwood, 1837)**

Material examined: Andaman and Nicobar Islands: 3 ♂, Little Andaman, Hutbay, 27.ii.2016, Coll. Sandesh Gawas; 1 ♂, Swaraj Dweep, 06.ii.2024, Coll. Kriti A. Minz; 1 ♀, Swaraj Dweep, 06.ii.2024, Coll. Ankita Gupta; 1 ♀, Swaraj Dweep, Radhanagar, 06.ii.2024, Coll. Hemanth Kumar H. M.; 1 ♂, Swaraj Dweep, Radhanagar, 06-07.ii.2024, Coll. R. Pattar; 1 ♀, South Andaman, Sippighat, KVK, 08-10.ii.2024, Coll. Kriti A. Minz; 1 ♀, North Andaman, Diglipur, 12.ii.2024, Coll. Hemanth Kumar H. M.; 1 ♂, Little Andaman, Hutbay, 17.ii.2024, Coll. R. Pattar.

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Bihar, Chhattisgarh, Goa, Haryana, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Manipur, Mizoram, Nagaland, Odisha, Punjab, Tamil Nadu, Tripura, Uttar Pradesh, Uttarakhand, West Bengal. Elsewhere: Australia; China; Indonesia; Japan; Korea; Malaysia; Myanmar; Papua New Guinea; Philippines; Sri Lanka; Taiwan; Thailand; United States of America; Vietnam (Thompson, 1955; Lever, 1964; Baltazar, 1966; Rawat & Modi, 1970; Joy & Joseph, 1973; Ashari, 1974; Herting, 1975, 1976, 1977, 1978; Chatterjee, 1982; Husain & Agarwal, 1982b; Narendran, 1986; Bouček, 1988; Tseng, 1988; Tilakaratna, 1991; Ahmad *et al.*, 1997; Singh, 1997; Kazmi & Chauhan, 2003; Sheela *et al.*, 2003; Sheela & Tiwari, 2004; Sureshan, 2009; Gowri *et al.*, 2016; Narendran & van Achterberg, 2016; Binoy, 2024; Gawas & Gupta, 2024; Minz *et al.*, 2024b; Binoy & Sureshan, 2025).

***Brachymeria excarinata* Gahan, 1925**

Material examined: Andaman and Nicobar Islands: 4 ♀, Little Andaman, Hutbay, 27.ii.2016, Coll. Sandesh Gawas; 2 ♂, South Andaman, Port Blair, 04.iii.2016, Coll. Sandesh Gawas; 1 ♀, South Andaman, Port Blair, 08.iii.2012, Coll. Ankita Gupta; 1 ♀, Middle Andaman, Mayabunder, 11.ii.2024, Coll. R. Pattar; 1 ♀, North Andaman, Diglipur, 12.ii.2024, Coll. Hemanth Kumar H. M.; 1 ♀, South Andaman, ICAR-CIARI, 15.ii.2024, Coll. R. Pattar.

Distribution: India: Andaman and Nicobar Islands, Bihar, Gujarat, Karnataka, Kerala, Odisha, Uttar Pradesh, West Bengal, Tamil Nadu. Elsewhere: Cameroon; China; Egypt; Indonesia; Iran; Japan; Palau; Papua New Guinea; Philippines; Taiwan; Vietnam (Thompson, 1955; Baltazar, 1966; Joy & Joseph, 1972, 1973; Joseph *et al.*, 1972, 1973a, 1973b; Abraham *et al.*, 1974; Herting, 1975; Narendran & Joseph, 1975; Chien *et al.*, 1984; Gubbaiah, 1984; Yadav, 1985; Mohandas, 1986; Narendran, 1986; Kapadia, 1988; Fry, 1989; Okada, 1989; Mao & Kunumi, 1991; Kon, 1993; Peter & David, 1994; Sugiura & Osawa, 2001, 2002; Rajabi *et al.*, 2011; Lotfalizadeh *et al.*, 2012; Gowri *et al.*, 2016; Ikhsan *et al.*, 2022; Basak & Sheela, 2024; Basak & Sheela, 2025; Narendran & van Achterberg, 2016).

***Brachymeria hearseyi* (Kirby, 1883)**

*Material examined***.** Nil.

Distribution: India: Andaman and Nicobar Islands, Bihar, Tamil Nadu, Uttar Pradesh, West Bengal (Thompson, 1955; Joseph *et al.*, 1973a; Narendran, 1986; Kazmi & Chauhan, 2003; Sheela *et al.*, 2003, 2015; Sheela & Tiwari, 2004; Gowri *et al.*, 2016).

***Brachymeria jambolana* Gahan, 1942**

Material examined: Andaman and Nicobar Islands: 1 ♀, Little Andaman, Hutbay, 27.ii.2016, Coll. Sandesh Gawas.

Distribution: India: Andaman and Nicobar Islands (new record), Andhra Pradesh, Chhattisgarh, Goa, Karnataka, Kerala, Meghalaya, Odisha, Tamil Nadu, Uttar Pradesh, West Bengal. Elsewhere: Bangladesh; Indonesia; Vietnam (Thompson, 1955; Herting, 1976; Howlader, 1979; Narendran, 1986; Mani, 1989; Singh, 1991; Gupta, 2010; Basak & Sheela, 2024; Binoy, 2024; Gawas & Gupta, 2024; Minz *et al.*, 2024b; Basak & Sheela, 2025).

***Brachymeria lasus* (Walker, 1841)**

*Material examined***.** Nil.

Distribution: India: Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Bihar, Delhi, Gujarat, Himachal Pradesh, Jammu and Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Meghalaya, Odisha, Punjab, Tripura, Uttar Pradesh, West Bengal. Elsewhere: Australia; Bangladesh; China; Fiji; Indonesia; Iran; Japan; South Korea; Malaysia; Pakistan; Palau; Papua New Guinea; Philippines; Taiwan; United States of America; Vietnam (Joy & Joseph, 1973; Narendran, 1975, 1986; Narendran & Joseph, 1976, 1977; Joy *et al.*, 1978; Mathew, 1980; Singh, 1980; Chavan, 1984; Chien *et al.*, 1984; Peter & Balasubramaniam, 1984; Dharmadhikari *et al.*, 1985; Masoodi *et al.*, 1986; Sudheendrakumar, 1986; Lee *et al.*, 1987; Pillai, 1987; Tong, 1987; Bouček, 1988; Varma & Shenhmar, 1988; Fasih *et al.*, 1989; Fry, 1989; Thakur, 1990; Mao & Kunumi, 1991; Simser & Coppel, 1991; Singh & Goel, 1991; Matsumura, 1992; Nafus, 1993a, 1993b; Pemberton *et al.*, 1993; Pillai & Nair, 1993b; Singh *et al.*, 1993; Thangavelu & Singh, 1993; Vastrad, 1994; Singh *et al.*, 1995; Husain & Farooqi, 1996; Kamarudin *et al.*, 1996; Kusigemati *et al.*, 1996; Lee & Lee, 1996; Raghwani *et al.*, 1997; Feng *et al.*, 1999; Kapadia, 1999; Shevale & Khaire, 1999; Thippaiah & Kumar, 1999; Baksha, 2000; Sugiura & Osawa, 2001, 2002; Devi & Singh, 2002; Konno *et al.*, 2002; Revannavar *et al.*, 2003; Sheela *et al.*, 2003; Sheela & Tiwari, 2004; Sureshan, 2005; Narendran & Kumar, 2009; Gupta & Kalesh, 2012; Lotfalizadeh *et al.*, 2012; Gupta *et al.*, 2014; Narendran & van Achterberg, 2016; Basak & Sheela, 2024; Binoy, 2024).

***Brachymeria lugubris* (Walker, 1871)**

*Material examined***:** Nil.

Distribution: India: Andaman and Nicobar Islands, Karnataka, Kerala, Manipur. Elsewhere: Australia; China; Indonesia; Malaysia; Philippines; Taiwan; Vietnam (Sankaran & Syed, 1972; Joseph *et al.*, 1973b; Herting, 1976; Samson & Remadevi, 1985; Narendran, 1986; Anonymous, 1987; Peter *et al.*, 1987; Bouček, 1988; Fry, 1989; Narendran *et al.*, 1992; Kamarudin *et al.*, 1996; Mohanadas, 1996; Chalapathy *et al.*, 1998; Sheela *et al.*, 2003; Narendran & van Achterberg, 2016).

***Brachymeria nephantidis* Gahan, 1930**

Material examined: Andaman and Nicobar Islands: 1 ♀, Swaraj Dweep, Radhanagar, 06-07.ii.2024, Coll. R. Pattar; 1 ♂, Middle Andaman, Rangat, 09.ii.2024, Coll. Hemanth Kumar H. M.; 1 ♂, North Andaman, Diglipur, 12.ii.2024, Coll. Hemanth Kumar H. M.

Distribution: India: Andaman and Nicobar Islands (new record), Andhra Pradesh, Chhattisgarh, Gujarat, Karnataka, Kerala, Maharashtra, Odisha, Tamil Nadu, West Bengal. Elsewhere: Sri Lanka (Thompson, 1955; Dharmaraju, 1963; Joy & Joseph, 1972, 1973, 1977, 1980; Satpathy & Rao, 1972; Joy *et al.*, 1978; Herting, 1975; George, *et al.*, 1977; Yadav, 1985; Narendran, 1986; Pillai & Nair, 1986; 1993b; Pillai, 1987; Ghosh & Abdurahiman, 1988; Fry, 1989; Raghwani *et al.*, 1997; Kapadia, 1999; Sujatha & Singh, 2002; Minz *et al.*, 2024b).

***Brachymeria nursei* (Cameron, 1907)**

Material examined: Andaman and Nicobar Islands: 1 ♀, Great Nicobar Island, 27.ii.2016, Yellow pan trap, Coll. Ankita Gupta; 1 ♀, Middle Andaman, Rangat, 10.ii.2024, Coll. Hemanth Kumar H. M.

Distribution: India: Andaman and Nicobar Islands (new record), Punjab, Rajasthan, Tamil Nadu. Elsewhere: South Africa (Joseph *et al.*, 1973a; Mani *et al.*, 1973; Herting, 1976; Prinsloo, 1980; Narendran, 1986).

***Brachymeria podagrica* (Fabricius, 1787)**

Material examined: Andaman and Nicobar Islands: 1 ♂, Little Andaman, Hutbay, 2016, Coll. Sandesh Gawas; 1 ♀, Great Nicobar Island, 27.ii.2016, Sweep net, Coll. Ankita Gupta; 1 ♀, Middle Andaman, Rangat, 09.ii.2024, Coll. Kriti A. Minz; 1 ♀, Little Andaman, Hutbay, 17.ii.2024, Coll. R. Pattar.

Distribution: India: Andaman and Nicobar Islands, Bihar, Chhattisgarh, Karnataka, Kerala, Madhya Pradesh, Odisha, Sikkim, Tamil Nadu, Tripura, Uttar Pradesh, West Bengal. Elsewhere: Australia; Bangladesh; Brazil; Bulgaria; Canada; China; Croatia; Cyprus; Democratic Republic of Congo; Egypt; France; Germany; Haiti; Hungary; Indonesia; Iran; Israel; Italy; Jamaica; Japan; Madagascar; Malaysia; Mauritius; Mexico; Mongolia; Netherlands; Philippines; Romania; Russia; Seychelles; Slovakia; Slovenia; Somalia; South Africa; Spain; Sweden; Thailand; Tunisia; Ukraine; United States of America; Vietnam; Zambia (Gmelin, 1790; Rossi, 1790; Olivier, 1791; Illiger, 1807; Bouček, 1952a, 1977, 1988; Baltazar, 1966; Joseph *et al.*, 1973a; Chowdhury & Howlader, 1975, 1978; De Santis, 1979; Beaver, 1986; Narendran, 1986; Fabritius & Andriescu, 1987; Fry, 1989; De Santis & Fidalgo, 1994; Pujade, 1994; Askew *et al.*, 2001; Vidal, 2001; Gijswijt, 2003; Hedqvist, 2003; Sheela *et al.*, 2003, 2015; Moldovan, 2007; Rajabi *et al.*, 2011; Gowri *et al.*, 2016; Kalina, 1989; Narendran & Achterberg, 2016; Minz *et al.*, 2024b).

***Brachymeria ryukyuensis* Habu, 1963**

Material examined: Andaman and Nicobar Islands: 3 ♀, 3 ♂, Middle Andaman, Kadamtala, 10.iii.2012, Coll. Ankita Gupta, NBAII/2012/Chal/Bra/ryuk/3.

Distribution: India: Andaman and Nicobar Islands, Kerala, Tripura. Elsewhere: Japan (Narendran, 1986; Sheela *et al.*, 2003; Gupta & Joshi, 2013; Binoy *et al.*, 2021).

SUBFAMILY DIRHININAE

Genus *Dirhinus* Dalman, 1818

***Dirhinus anthracia* Walker, 1846**

Material examined: Andaman and Nicobar Islands: 1 ♀, Middle Andaman, Kadamtala, 10.iii.2012, Malaise trap, Coll. Ankita Gupta, NBAII/2012/Chal/Dir/anth/1; 1 ♂, Middle Andaman, Rangat, 09.ii.2024, Coll. Kriti A. Minz; 2 ♀, Middle Andaman, Rangat, 10.ii.2024, Coll. Hemanth Kumar H. M.

Distribution: India: Andaman and Nicobar Islands, Andhra Pradesh, Bihar, Chhattisgarh, Goa, Karnataka, Kerala, Madhya Pradesh, Manipur, Mizoram, Puducherry, Punjab, Tamil Nadu, Tripura, Uttar Pradesh. Elsewhere: Australia; Fiji, Hawaii, Indonesia; Philippines; South Africa; Taiwan; Vietnam; Zambia (Thompson, 1955; Baltazar, 1966; Mani & Dubey, 1972; Beaver, 1986; Narendran, 1986; Bouček, 1988; Veeranna & Jyothi, 1988;

Fry, 1989; Jyothi *et al.*, 1998; Sheela *et al.*, 2003; Sureshan, 2009; Gupta & Joshi, 2013; Gowri *et al.*, 2016; Narendran & Achterberg, 2016; Ikhsan *et al.*, 2022; Gawas & Gupta, 2024; Minz *et al.*, 2024b).

***Dirhinus himalayanus* Westwood, 1836**

Material examined: Andaman and Nicobar Islands: 1 ♀, South Andaman, Ferrargunj, 2016, Sweep Net, Coll. Sandesh Gawas; Swaraj Dweep, 06.ii.2024, 1 ♂, Coll. Kriti A. Minz.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Karnataka, Kerala, Puducherry, Punjab, Tamil Nadu, Uttar Pradesh, West Bengal. Elsewhere: Iran; Japan; Malaysia; Pakistan; Philippines; Russia; Thailand; Turkmenistan (Thompson, 1955; Mani & Dubey, 1972; Herting, 1978; Samson & Remadevi, 1985; Karunamoorthy & Nagarajan, 1986; Narendran, 1986; Anonymous, 1987; Fry, 1989; Srinivasan & Balakrishnan, 1989; Bai, 1990; Sulaiman *et al.*, 1990, 1993; Balakrishnan & Panicker, 1994; Sheela *et al.*, 2003; Srinivasan & Amalraj, 2003; Lotfalizadeh *et al.*, 2012; Binoy *et al.*, 2021; Minz *et al.*, 2024b).

***Dirhinus pilifer* Bouček and Narendran, 1981**

Material examined: Andaman and Nicobar Islands: 1 ♂, South Andaman, Baratang, 09.ii.2024, Coll. Hemanth Kumar H. M.; 1 ♀, North Andaman, Diglipur, 11-14. ii.2024, Coll. Hemanth Kumar H. M.

Distribution: India: Andaman and Nicobar Islands (new record), Bihar, Karnataka, Tamil Nadu, Uttar Pradesh, West Bengal. Elsewhere: Sri Lanka (Bouček & Narendran, 1981; Narendran, 1986; Gowri *et al.*, 2016).

Genus *Eniacomorpha* Girault, 1915

***Eniacomorpha madagascariensis* (Masi, 1947)**

Material examined: Andaman and Nicobar Islands: 1 ♀, Middle Andaman, Rangat, 09.ii.2024, Coll. R. Pattar.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Karnataka, Kerala, Odisha, Tamil Nadu, Uttar Pradesh, West Bengal. Elsewhere: Madagascar (Narendran, 1986; Sheela *et al.*, 2003; Delvare *et al.*, 2019; Binoy *et al.*, 2023; Basak & Sheela, 2024; Minz *et al.*, 2024b).

SUBFAMILY EPITRANINAE

Genus *Epitranus* Walker, 1834

***Epitranus elongatulus* (Motschulsky, 1863)**

Material examined: Andaman and Nicobar Islands: 2 ♀, 1 ♂, Havelock Island, 06-07.ii.2024, Coll. Kriti A. Minz.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Delhi, Kerala, Tamil Nadu. Elsewhere: Japan; Pakistan, Sri Lanka (Narendran, 1986; Iqbal *et al.*, 2015; Gowri *et al.*, 2016; Minz *et al.*, 2024b).

***Epitranus erythrogaster* Cameron, 1888**

Material examined: Andaman and Nicobar Islands: 1 ♀, Little Andaman, Hutbay, 17.ii.2024, Coll. R. Pattar.

Distribution: India: Andaman and Nicobar Islands, Bihar, Chhattisgarh, Goa, Karnataka, Kerala, Maharashtra, Manipur, Odisha, Puducherry, Tamil Nadu, Uttar Pradesh, West Bengal. Elsewhere: Indonesia; Japan; Laos; Malaysia; Myanmar; Nepal; Pakistan; Philippines; Sri Lanka; Taiwan; Thailand; Vietnam (Husain & Agarwal, 1982a; Narendran, 1986; Viraktamath *et al.*, 1998; Sheela *et al.*, 2003; Sureshan, 2009; Gowri *et al.*, 2016; Narendran & Achterberg, 2016; Basak & Sheela, 2024; Gawas & Gupta, 2024; Minz *et al.*, 2024b).

***Epitranus ferrugineus* (Cameron, 1912)**

Material examined: Nil.

Distribution: India: Andaman and Nicobar Islands. Elsewhere: Australia. (Bouček, 1982; Binoy *et al.*, 2021, Binoy 2026).

***Epitranus nigriceps* Bouček, 1982**

Material examined: Andaman and Nicobar Islands: 1 ♀, South Andaman, Port Blair, 13.ii.2024, Coll. R. Pattar.

Distribution: India: Andaman and Nicobar Islands (new record), Assam, Kerala, Meghalaya. *Elsewhere*: Malaysia; Sri Lanka; Vietnam (Bouček, 1982; Narendran, 1986; Narendran & Achterberg, 2016; Binoy *et al.*, 2021).

***Epitranus observator* Walker, 1862**

Material examined: Nil.

Distribution: India: Andaman and Nicobar Islands, Delhi, Gujarat, Karnataka, Odisha, Rajasthan, Sikkim, Tamil Nadu, Tripura, Uttar Pradesh, West Bengal. Elsewhere:

Democratic Republic of Congo; Sierra Leone; Sri Lanka; Uganda (Narendran, 1986; Sheela *et al.*, 2003; Sureshan, 2009; Gowri *et al.*, 2016).

***Epitranus oxytelus* Bouček, 1982**

Material examined: Andaman and Nicobar Islands: 1 ♀, Great Nicobar Island, 01.iii.2016, Coll. Ankita Gupta.

Distribution: India: Andaman and Nicobar Islands (new record), Goa, Karnataka, Kerala. Elsewhere: Vietnam (Narendran, 1986; Narendran & Achterberg, 2016; Gawas & Gupta, 2024).

***Epitranus parvidens* (Strand, 1911)**

Material examined: Andaman and Nicobar Islands: 2 ♀, Swaraj Dweep, 06.ii.2024, Coll. Kriti A. Minz.

Distribution: India: Andaman and Nicobar Islands (new record), Andhra Pradesh, Karnataka, Kerala, Maharashtra, Tamil Nadu, Uttar Pradesh. Elsewhere: Indonesia; Malaysia; Sri Lanka; Vietnam (Narendran, 1986; Sheela *et al.*, 2015; Narendran & Achterberg, 2016).

SUBFAMILY HALTICHELLINAE

Genus *Antrocephalus* Kirby, 1883

***Antrocephalus brevidentata* Roy and Farooqi, 1984**

Material examined: Andaman and Nicobar Islands: 1 ♀, Little Andaman, Hutbay, 27-29.ii.2016, Coll. Sandesh Gawas.

Distribution: India: Andaman and Nicobar Islands (new record), Bihar, Delhi, Kerala, Tamil Nadu, Uttar Pradesh (Narendran, 1986; Sheela *et al.*, 2003, 2015; Binoy *et al.*, 2021).

***Antrocephalus cariniceps* (Cameron, 1911)**

Material examined: Andaman and Nicobar Islands: 4 ♀, South Andaman, Port Blair, ICAR-CIARI, iii.2012, Coll. Ankita Gupta; 5 ♀, 2 ♂, South Andaman, Ferrargunj, 2016, Coll. Sandesh Gawas; 3 ♀, South Andaman, Port Blair, ICAR-CIARI, 21.ii.2016, Sandesh Gawas; 1♀, Great Nicobar Island, 28.ii.2016, Sweep net, Coll. Ankita Gupta; 1 ♀, 1 ♂, Little Andaman, Hutbay, 28.ii.2016, Coll. Sandesh Gawas; 1 ♀, Swaraj Dweep, Gecko resort, 06-07. ii.2024, Coll. R. Pattar & Hemanth Kumar H.M.; 1 ♀, Middle Andaman, Rangat, 09.ii.2024, Coll. Kriti A. Minz; 1 ♂, Rangat, 10.ii.2024, Coll. Hemanth Kumar H. M.; 1 ♀, South Andaman, Port Blair, ICAR-CIARI, 15.ii.2024, Coll. Hemanth Kumar H. M.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Kerala. *Elsewhere*: Malaysia (Narendran, 1986; Minz *et al.*, 2024b).

***Antrocephalus japonicus* (Masi, 1936)**

Material examined: Andaman and Nicobar Islands: 2 ♀, South Andaman, Port Blair, 04.iii.2016, Coll. Ankita Gupta; 1 ♀, Havelock Island: Radhanagar, 06.ii.2024, Coll. Hemanth Kumar H. M.; 1 ♂, South Andaman, Baratang, 09.ii.2024, Coll. Hemanth Kumar H. M.; 1 ♂, Middle Andaman, Rangat, 09.ii.2024, Coll. R. Pattar; 1 ♀, South Andaman, Port Blair, 09.ii.2024, Sweep Net, Coll. Hemanth Kumar H. M.; 2 ♀, Little Andaman, Hutbay, 16.ii.2024, Coll. Hemanth Kumar H.M.; 1 ♂, Little Andaman, Hutbay, 17.ii.2024, Coll. R. Pattar.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Kerala, Tripura, Uttar Pradesh. Elsewhere: Japan; Taiwan (Narendran, 1986; Sheela *et al.*, 2003; Binoy *et al.*, 2021; Minz *et al.*, 2024b).

***Antrocephalus lugubris* (Masi, 1932)**

Material examined: Andaman and Nicobar Islands: 1 ♀, South Andaman, Ferrargunj, 25.ii.2016, Coll. Sandesh Gawas.

Distribution: India: Andaman and Nicobar Islands (new record), Kerala, Odisha, Puducherry, Tamil Nadu, Uttar Pradesh. Elsewhere: China; Indonesia; Malaysia; Philippines; Taiwan; Vietnam (Narendran, 1986; Narendran & Achterberg, 2016; Binoy *et al.*, 2021).

***Antrocephalus maculipennis* Cameron, 1905**

Material examined: Andaman and Nicobar Islands: 1 ♀, South Andaman, Baratang, 09.ii.2024, Coll. Hemanth Kumar H. M.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Kerala, Uttar Pradesh. Elsewhere: Indonesia; Malaysia (Narendran, 1986; Pillai & Nair, 1993a; Sheela *et al.*, 2015; Binoy *et al.*, 2021; Ikhsan *et al.*, 2022; Minz *et al.*, 2024b).

***Antrocephalus mitys* (Walker, 1846)**

Material examined: Andaman and Nicobar Islands: 4 ♀, South Andaman, Sippighat, 05.iii.2012, Malaise trap, Coll. Ankita Gupta, NBAII/2012/Chal/Ant/mit/4.

Distribution: India: Andaman and Nicobar Islands, Chhattisgarh, Kerala, Tripura, Uttar Pradesh, Tamil Nadu, West Bengal. Elsewhere: Australia; Brazil; Israel; Kenya; Malaysia; Mauritius; Philippines; Senegal; Seychelles; Sierra Leone; Somalia; Sri Lanka; Thailand (Girault, 1921; Thompson, 1955; Gothilf, 1969; Herting, 1975; Bouček, 1976, 1988; Husain & Agarwal, 1982c; Narendran, 1986, 1989; De Santis & Fidalgo, 1994; Sheela *et al.*, 2003; Zhou *et al.*, 2003; Konishi *et al.*, 2004; Delvare *et al.*, 2011; Gupta & Joshi, 2013; Minz *et al.*, 2024b; Basak & Sheela, 2025).

***Antrocephalus nasutus* (Holmgren, 1868)**

Material examined: Andaman and Nicobar Islands: 1 ♀, South Andaman, Port Blair, ICAR-CIARI, 02.iii.2016, Coll. Sandesh Gawas.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Goa, Kerala, Odisha, Tamil Nadu, West Bengal. Elsewhere: Indonesia; Malaysia; Papua New Guinea; Philippines; Singapore; Taiwan; Vietnam (Baltazar, 1966; Narendran, 1986; Narendran & Achterberg, 2016; Binoy *et al.*, 2021; Gawas & Gupta, 2024; Minz *et al.*, 2024b).

***Antrocephalus niger* (Masi, 1929)**

Material examined: Andaman and Nicobar Islands: 2 ♀, South Andaman, Port Blair, ICAR-CIARI, 05.iii.2012, Coll. Ankita Gupta; 1 ♂, South Andaman, Bloomsdale, 05.iii.2012, Coll. Ankita Gupta; 1 ♂, South Andaman, Bloomsdale farm, 20-28.ii.2016, Coll. Sandesh Gawas; 1 ♀, Little Andaman, Hutbay, 27-29.ii.2016, Coll. Sandesh Gawas; 1 ♀, South Andaman, Port Blair, ICAR-CIARI, 02.iii.2024, Coll. Kriti A. Minz; 1 ♂, South Andaman, Sippighat, 08-10.ii.2024, Coll. Ankita Gupta; 1 ♀, 1 ♂, South Andaman, Sippighat, 08-10.ii.2024, Coll. Kriti A. Minz.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Kerala. Elsewhere: Indonesia; Malaysia (Narendran, 1989; Binoy *et al.*, 2021; Minz *et al.*, 2024b).

***Antrocephalus ryukyuensis* Habu, 1966**

Material examined: Andaman and Nicobar Islands: 1 ♀, Swaraj Dweep, 06.ii.2024, Coll. Kriti A. Minz.

Distribution: India: Andaman and Nicobar Islands (new record), Goa, Kerala, Tripura. Elsewhere: Japan (Gawas & Gupta, 2024; Gupta & Joshi, 2013; Habu, 1966).

***Antrocephalus validicornis* (Holmgren, 1868)**

Material examined: Andaman and Nicobar Islands: 1 ♀, 2 ♂, Little Andaman, Hutbay, 27-29.ii.2016, Coll. Sandesh Gawas; 1 ♀, Swaraj Dweep, Radhanagar, 06.ii.2024, Coll. Hemanth Kumar H. M.; 1 ♀, North Andaman, Diglipur, 11-14.ii.2024, Coll. Hemanth Kumar H. M.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Goa, Karnataka, West Bengal. Elsewhere: Philippines; Vietnam; Indonesia; Malaysia (Baltazar, 1966; Narendran & Kumar, 2009; Narendran & van Achterberg, 2016; Gawas & Gupta, 2024; Minz *et al.*, 2024b).

Genus *Haltichella* Spinola, 1811

***Haltichella clavicornis* (Ashmead, 1904)**

Material examined: Andaman and Nicobar Islands: 1 ♀, South Andaman, Port Blair, 04.iii.2016, Coll. Sandesh Gawas.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Goa, Kerala, Tamil Nadu, Uttar Pradesh, West Bengal. Elsewhere: Japan; Laos; Malaysia; Nepal; Philippines; Vietnam (Narendran, 1986; Narendran & van Achterberg, 2016; Wang & Li, 2021; Gawas & Gupta, 2024; Minz *et al.*, 2024b; Basak & Sheela, 2025).

***Haltichella delhensis* Roy & Farooqi, 1984**

Material examined: Andaman and Nicobar Islands: 1 ♀, South Andaman, Port Blair, ICAR-CIARI, 21.ii.2016, Coll. Sandesh Gawas; 1 ♀, Swaraj Dweep, 06.ii.2024, Coll. Kriti A. Minz; 1 ♂, Swaraj Dweep, Gecko Resort, 06-07. ii.2024, Coll. R. Pattar & Hemanth Kumar H. M.; 1 ♀, Middle Andaman, Rangat, 09.ii.2024, Coll. R. Pattar; 1 ♂, Little Andaman, Hutbay, 17.ii.2024, Coll. R. Pattar.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Delhi, Karnataka, Kerala. Elsewhere:

Vietnam (Narendran, 1986; Narendran & van Achterberg, 2016; Minz *et al.*, 2024b).

***Haltichella luzonica* Masi, 1929**

Material examined: Andaman and Nicobar Islands: 1 ♀, 1 ♂, Swaraj Dweep, Gecko Resort, 06-07.ii.2024, Coll. R. Pattar & Hemanth Kumar H. M.; 1 ♀, South Andaman, Port Blair, ICAR-CIARI, 15.ii.2024, Coll. Hemanth Kumar H. M.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Kerala. Elsewhere: Nepal; Philippines (Baltazar, 1966; Minz *et al.*, 2024b).

***Haltichella macrocera* Waterston, 1922**

Material examined: Andaman and Nicobar Islands: 3 ♀, 3 ♂, Great Nicobar Island, 01.iii.2016, Coll. Ankita Gupta; 1 ♀, Little Andaman, Hutbay, 17.ii.2024, Coll. R. Pattar.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Kerala, Tamil Nadu, Uttarakhand. Elsewhere: Nepal (Narendran, 1986; Minz *et al.*, 2024b).

***Haltichella variicolor* Masi, 1929**

Material examined: Andaman and Nicobar Islands: 1 ♀, South Andaman, Sippighat, 08.iii.2012, Coll. Ankita Gupta.

Distribution: India: Andaman and Nicobar Islands (new record), Tamil Nadu. Elsewhere: Malaysia; Philippines (Baltazar, 1966).

Genus *Hockeria* Walker, 1834

***Hockeria anupama* Narendran, 1989**

Material examined: Andaman and Nicobar Islands: 1 ♀, Swaraj Dweep, Gecko Resort, 06-07.ii.2024, Coll. R. Pattar & Hemanth Kumar H.M.; 1 ♀, Middle Andaman, Rangat, 10.ii.2024, Coll. Hemanth Kumar H. M.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Kerala. Elsewhere: Pakistan (Sheela *et al.*, 2003; Iqbal *et al.*, 2013; Minz *et al.*, 2024b).

***Hockeria assamensis* Narendran, 1989**

Material examined: Andaman and Nicobar Islands: 1 ♀, Swaraj Dweep, 06.ii.2024, Coll. Ankita Gupta; 1 ♀, Swaraj Dweep, 06.ii.2024, Coll. Kriti A. Minz; 1 ♂, Middle Andaman, Rangat, 09.ii.2024, Coll. Kriti A. Minz.

Distribution: India: Andaman and Nicobar Islands (new record), Assam, Chhattisgarh (Narendran, 1989; Minz *et al.*, 2024b).

***Hockeria bangalorica* Narendran, 1989**

Material examined: Andaman and Nicobar Islands: 7 ♀, 5 ♂, South Andaman, Port Blair, 04.iii.2016, Coll. Ankita Gupta; 1 ♀, Swaraj Dweep, 06.ii.2024, Coll. Kriti A. Minz; 8 ♀, Swaraj Dweep, Gecko Resort, 06-07.ii.2024, Coll. R. Pattar & Hemanth Kumar H. M.; 7 ♀, 7 ♂, Swaraj Dweep, Gecko resort, 06-07.ii.2024, Coll. R. Pattar & Hemanth Kumar H. M.; 1 ♀, South Andaman, Baratang, 08.ii.2024, Coll. Hemanth Kumar H. M.; 1 ♂, South Andaman, Sippighat, 08-10.ii.2024, Coll. Kriti A. Minz; 1 ♀, South Andaman, Baratang, 09.ii.2024, Coll. Hemanth Kumar H. M.; 1 ♀, 1 ♂, Little Andaman, Hutbay, 17.ii.2024, Coll. R. Pattar; 1 ♂, North Andaman, Diglipur, 11-14.ii.2024, Coll. Hemanth Kumar H. M.

Distribution: India: Andaman and Nicobar Islands (new record), Karnataka, Kerala. Elsewhere: Malaysia; Vietnam (Narendran, 1989; Narendran & van Achterberg, 2016; Minz *et al.*, 2024b).

***Hockeria bifasciata* Walker, 1834**

Material examined: Andaman and Nicobar Islands: 2 ♂, South Andaman, Sippighat, 08.iii.2012, Malaise trap, Coll. Ankita Gupta, NBAII/2012/Chal/Hock/bifa/2.

Distribution: India: Andaman and Nicobar Islands, Chhattisgarh, Kerala. Elsewhere: Algeria; Austria; Canary Islands; Croatia; Czech Republic; France; Greece; Hungary; Italy; Japan; Lebanon; Montenegro; Slovakia; Slovenia; Spain; Sweden; Turkey (Thomson, 1876; Bouček, 1952a, b; 1977; Erdős, 1955; Panis, 1974; Herting, 1975; Kusigamati, 1986; Habu, 1987; Kalina, 1989; Öncüer, 1991; Báez & Askew, 1999; Askew *et al.*, 2001; Gupta & Joshi, 2013; Minz *et al.*, 2024b).

***Hockeria guptai* Narendran, 1989**

Material examined: Andaman and Nicobar Islands: 1 ♀, Swaraj Dweep, Radhanagar, 06.ii.2024, Coll. Hemanth Kumar H. M.; 1 ♂, Middle Andaman, Rangat, 09.ii.2024, Coll. Kriti A. Minz; 1 ♂, North Andaman, Diglipur, 13.ii.2024, Coll. R. Pattar; 1 ♀, South Andaman, Port

Blair, ICAR-CIARI, 21.ii.2016 - 02.iii.2016, Coll. Sandesh Gawas.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Tripura, Uttar Pradesh, West Bengal. Elsewhere: Malaysia; Nepal; Vietnam (Narendran, 1989; Sheela *et al.*, 2003, 2015; Narendran & van Achterberg, 2016; Minz *et al.*, 2024b).

***Hockeria hayati* Narendran, 1989**

Material examined: Andaman and Nicobar Islands: 1 ♀, Swaraj Dweep, 06.ii.2024, Coll. Kriti A. Minz.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Kerala, Tamil Nadu, Uttar Pradesh (Narendran, 1989; Sheela *et al.*, 2015; Minz *et al.*, 2024b).

***Hockeria lankana* Narendran, 1989**

Material examined: Andaman and Nicobar Islands: 1 ♀, North Andaman, Diglipur, 13.ii.2024, Coll. R. Pattar.

Distribution: Andaman and Nicobar Islands (new record), Odisha, Uttar Pradesh (Narendran, 1989; Sheela *et al.*, 2015; Basak & Sheela, 2024).

***Hockeria polycarinata* Narendran, 1989**

Material examined: Andaman and Nicobar Islands: 1 ♀, Middle Andaman, Rangat, 10.iii.2012, Malaise trap, Coll. Ankita Gupta, NBAII/2012/Chal/Hock/poly/1.

Distribution: India: Andaman and Nicobar Islands, Chhattisgarh. Elsewhere: Indonesia (Gupta & Joshi, 2013; Minz *et al.*, 2024b).

Genus *Kriechbaumerella* Dalla Torre, 1897

***Kriechbaumerella pulvinata* (Masi, 1932)**

Material examined: Andaman and Nicobar Islands: 1 ♀, Middle Andaman, Rangat, 10.ii.2024, Coll. Hemanth Kumar H. M.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Goa, Tripura, Uttar Pradesh. Elsewhere: China; Malaysia; Nepal; Philippines; Sri Lanka; Taiwan (Sheela *et al.*, 2003; Gawas & Gupta, 2024; Minz *et al.*, 2024b).

***Kriechbaumerella rufimanus* (Walker, 1860)**

Material examined: Andaman and Nicobar Islands: 1 ♀, Swaraj Dweep, 06.ii.2024, Coll. Kriti A. Minz; 1 ♀, Middle Andaman, Rangat, 10.ii.2024, Coll. Hemanth Kumar H. M.

Distribution: India: Andaman and Nicobar Islands (new record), Assam, Bihar, Chhattisgarh, Delhi, Kerala, Odisha, Rajasthan, Tamil Nadu, Uttar Pradesh. Elsewhere: Indonesia; Nepal; Pakistan; Sri Lanka (Narendran, 1986; Sureshan, 2009; Minz *et al.*, 2024b).

Genus *Psilochalcis* Kieffer, 1905

***Psilochalcis adhara* (Narendran, 1989)**

Material examined: Andaman and Nicobar Islands: 2 ♀, South Andaman, Port Blair, ICAR-CIARI, 21.ii.2016, Coll. Sandesh Gawas; 1 ♀, Little Andaman, Hutbay, 27-29. ii.2016, Coll. Sandesh Gawas; 1 ♂, South Andaman, Port Blair, ICAR-CIARI, 15.ii.2024, Coll. R. Pattar.

Distribution: India: Andaman and Nicobar Islands (new record), Chhattisgarh, Kerala, Uttar Pradesh (Narendran, 1989; Minz *et al.*, 2024b).

***Psilochalcis carinigena* (Cameron, 1907)**

Material examined: Andaman and Nicobar Islands: 1 ♀, Little Andaman, Hutbay, 27-29.ii.2016, Coll. Sandesh Gawas.

Distribution: India: Andaman and Nicobar Islands, Bihar, Chhattisgarh, Goa, Gujarat, Karnataka, Kerala, Madhya Pradesh, Tripura, West Bengal. Elsewhere: Taiwan; Vietnam (Narendran, 1985, 1986; Mohanadas, 1996; Sheela *et al.*, 2003; Gowri *et al.*, 2016; Narendran & van Achterberg, 2016; Gawas & Gupta, 2024; Minz *et al.*, 2024b).

***Steninvreia noyesi* Narendran, 1989**

Material examined: Nil.

Distribution: India: Andaman and Nicobar Islands, Kerala (Sheela *et al.*, 2003).

RESULTS

The subfamily-wise composition of Chalcididae in the Andaman and Nicobar Islands is presented in Figure 2. Haltichellinae was the dominant subfamily, accounting for 60% of the recorded species diversity, followed by Dirhininae, which represented 20% of the total diversity. Brachymeriinae and Epitraninae were comparatively less represented, each accounting for 10% of the recorded species.

The results indicate a clear predominance of Haltichellinae in the region, while other subfamilies are

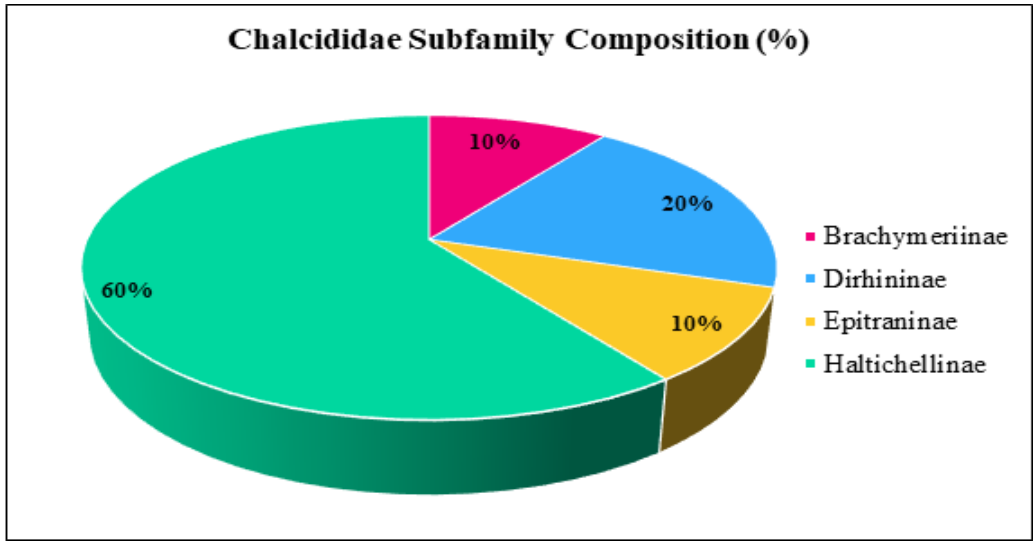


Figure 2. Subfamily-wise proportion of Chalcididae recorded in the study area.

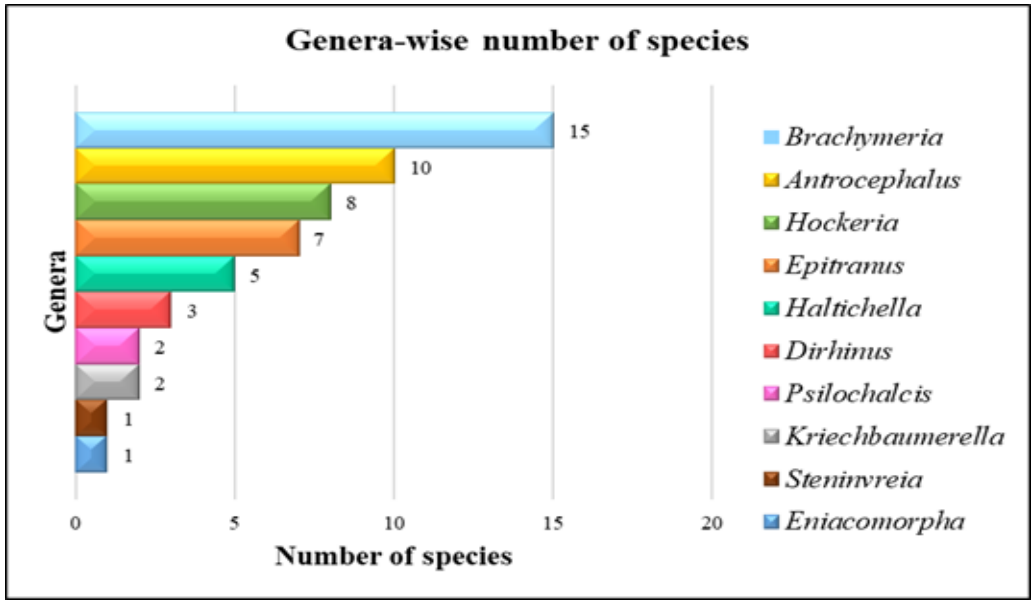


Figure 3. Genus-wise distribution of Chalcididae species recorded during the study.

represented by relatively fewer species, reflecting an uneven distribution of chalcidid diversity across subfamilies in the Andaman and Nicobar Islands.

Figure 3 presents the genus-wise distribution of species recorded in the present study, revealing clear disparities in species richness among the documented chalcidid genera. A total of ten genera are represented, with dominance concentrated in a few taxa. As shown in Figure 3, *Brachymeria* (15 species) is the most speciose genus, followed by *Antrocephalus* (10 species) and *Hockeria* (8 species). Overall, these three genera account for the majority of the recorded diversity in the study area. Moderate representation is observed in *Epitranus* (7 species) and *Haltichella* (5 species). In contrast, comparatively lower species richness is recorded for *Dirhinus* (3 species), *Psilochalcis* (2 species), and *Kriechbaumerella* (2 species). Single-species representation is noted for *Steninvrea* and *Eniacomorpha*, indicating their limited occurrence in the surveyed regions. Overall, the distribution pattern

depicted in Figure 3 demonstrates an uneven genus-level composition, with a few genera contributing substantially to total species richness, while others are represented by a relatively fewer number of species.

DISCUSSION

The present study records a total of 54 species of Chalcididae belonging to 10 genera and four subfamilies from the Andaman and Nicobar Islands, thus substantially enriching the species diversity of the family. This study represents a considerable addition of 38 species as new records from these islands over the 16 species previously listed by Binoy (2026). This significant difference reflects wider sampling coverage, examination of National Insect Museum (ICAR-NBAIR) collections, and re-evaluation of historical records along with exhaustive taxonomic studies. Rather than indicating a recent increase in species richness, the higher number of records suggests that the chalcidid fauna of the archipelago has been under documented. The updated species checklist therefore provides a stronger basis for assessing species distributions, taxonomic relationships and biogeographic patterns of Chalcididae in the Islands.

The dominance of Haltichellinae and the high representation of genera such as *Brachymeria*, *Antrocephalus*, *Hockeria* and *Epitranus* are consistent with diversity patterns reported from mainland India and other parts of the Oriental Region (Bouček, 1988; Narendran, 1989; Narendran & van Achterberg, 2016; Minz *et al.*, 2024a). The Andaman and Nicobar Islands occupy a strategic position between the Indian subcontinent and Southeast Asia, and the species composition documented here reflects their strong Indo-Malayan biogeographic affinity. Many recorded species are widely distributed across India, Myanmar, Thailand, Malaysia, and Indonesia, indicating historical faunal connectivity within the Oriental Region. At the same time, the discovery of numerous new island records suggests that additional surveys, particularly on less-explored islands and habitats, are likely to enrich species diversity further.

Beyond documenting species richness, this checklist has important taxonomic, ecological and conservation significance. Chalcididae are key parasitoids of numerous insect groups and contribute to the natural regulation of pest populations in both natural and agricultural ecosystems. Systematic documentation of their diversity and distribution is therefore essential for biodiversity assessment, biological control research, and long-term monitoring of island ecosystems. By integrating historical records with newly collected material and updated taxonomy, the present paper establishes a reliable reference for future taxonomic revisions, molecular studies, host association research, and conservation planning. Continued surveys combined with integrative taxonomic approaches will further improve our understanding of the evolutionary relationships and biogeographic history of Chalcididae in the Andaman and Nicobar Islands and the wider Oriental Region.

CONCLUSION

The present study presents the updated annotated checklist of Chalcididae from the Andaman and Nicobar Islands integrating verified literature records and freshly collected specimens. The documentation of 54 species belonging to 10 genera and four subfamilies substantially expands the known diversity of the family in the archipelago and highlights the value of sustained taxonomic exploration in poorly documented island ecosystems. The predominance of widespread Oriental taxa and the close faunal similarities with mainland India and Southeast Asia reinforce the Indomalayan biogeographic affinity of the Andaman and Nicobar Islands. The checklist provides an important taxonomic and distributional baseline for future research on systematics, biogeography, ecology and biological control, while also contributing to biodiversity documentation and conservation planning in one of India's most significant and fragile island ecosystems.

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AUTHOR CONTRIBUTION

Kriti Arpana Minz: Conceptualization, methodology, expedition, specimen curation, identification, formal analysis, writing—original draft preparation, writing—review and editing, visualization. Ankita Gupta: Conceptualization, expedition, validation, writing—review and editing, supervision, project administration. All authors have read and agreed to the published version of the manuscript.