

## Research Notes

## FURTHER RECORD OF SOME FLIES (INSECTA: DIPTERA) FROM THE INDIAN SUNDERBANS

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Sunderban Biosphere Reserve is one of the unique and largest mangrove ecosystem in the world, which spreads over India and Bangladesh. Attempts were undertaken to report the insect diversity from Indian Sunderbans. Mitra (2013) compiled a list of works on dipteran faunal diversity from this important Biosphere Reserve, reporting 125 species of flies. Apart from this, Mazumdar et al. (1998, 2000) reported some chironomids (non-biting midges) of Indian Sunderbans. Recently, more reports have been made by Mitra et al. (2014, 2015 a, b), where five more species were added to the dipteran fauna from this zone.

The present communication reports further six dipteran species of the families Syrphidae, Bombyliidae, Muscidae and Ulididae, reporting them from Sunderban Biosphere Reserve for the first time. All the collections were made under the Sunderban Pollinator Project, during 2015-2016, by B. Mitra and party.

### Order Diptera

#### Family Syrphidae

##### 1. *Allobaccha (Allobaccha) amphihoe* (Walker, 1849)

1849. *Baccha amphihoe* Walker, List Dipt. Brit. Mus. iii, p. 549.

*Material examined:* 1ex., Sunderban: Satjelia island: Binapani, 28.v.2015; 1ex., Sunderban: Satjelia island: 4 no. Satjelia, 29.v.2015; 1ex., Sunderban: Bakkhali, Kalisthan, 18.vi.2015.

*Distribution:* India : Andaman & Nicobar Island, Arunachal Pradesh, Assam, Kerala, Karnataka, Meghalaya, Mizoram, Sikkim and West Bengal.

##### 2. *Dideopsis aegrota* (Fabricius, 1805)

1805. *Eristalis aegrota* Fabricius, Syst. Antl., p. 243.

*Material examined:* 1ex., Sunderban: Bakkhali, Bijoybati, 06.ii.2016.

*Distribution:* India : Andaman & Nicobar islands, Arunachal Pradesh, Assam, Kerala, Karnataka, Meghalaya, Maharashtra, Madhya Pradesh, Sikkim, Tamil Nadu, Uttarakhand and West Bengal. Elsewhere: Australia, Nepal

and New Guinea.

#### Family Bombyliidae

##### 3. *Anthrax distigma* Wiedemann, 1828

1828. *Anthrax distigma* Wiedemann, *Auss. Zweifl.* i, p. 309.

*Material examined:* 1ex., Sunderban: Bali island, 9 no. Gheri, 02.iv.2015.

*Distribution:* India : Andaman and Nicobar Islands, Arunachal Pradesh, Bihar, Chandigarh, Karnataka, Meghalaya, Sikkim, Tamil Nadu, Uttarakhand and West Bengal. Elsewhere: Bangladesh, Java, Myanmar, Philippines, Sri Lanka, Sulawesi, Seychelles and Australasia.

##### 4. *Micomitra vitrea* (Bigot, 1892)

1892. *Exoprosopa vitrea* Bigot, *Ann. Soc. Ent. France*, lxi, p. 344.

*Material examined:* 2ex., Sunderban: Sagar Island, Shikarpur, 07.v.2016.

*Distribution:* India: Maharashtra, Tamil Nadu, West Bengal and Western Ghats.

#### Family Muscidae

##### 5. *Atherigona (Acritochaeta) orientalis* Schiner, 1868

1868. *Atherigona orientalis* Schiner, *Reise der osterreichischen Fregatte Novara. Zool.* 2 (1), p. 388.

*Material examined:* 1ex., Sunderban: Bali island, 9 no. Gheri, 21.iii.2015.

*Distribution:* India: widespread in the world.

#### Family Ulididae

##### 6. *Physiphora aenea* (Fabricius, 1794)

1794. *Musca aenea* Fabricius, *Em. Syst.* 4: 335.

*Material examined:* 3ex., Sunderban: Sagar island, Gangasagar, 19.v.2015; 2ex., Sunderban: Satjelia island, 29.v.2015.

*Distribution:* India: West Bengal: Northern Districts and Orissa. Elsewhere: Widespread from Seychelles to Samoa; Hawaii to Australia; North and South Americas.

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#### References

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- Mazumdar, A., Hazra, N. & Chaudhuri, P. K. 2000. New species of *Cladotanytarsus* Kieffer from the deltaic region of West Bengal, India (Diptera: Chironomidae). *Oriental Ins.*, 34 (1): 193-202.

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