

**SARCOPHAGID FLIES (DIPTERA : SARCOPHAGIDAE) FROM  
TAMIL NADU AND KERALA, INDIA**

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INTRODUCTION .

Sarcophagid flies comprising eleven species under five genera collected by the author from different parts of Tamil Nadu and Kerala are recorded here.

SYSTEMATIC ACCOUNT

Subfamily	SARCOPHAGINAE
Tribe	SARCOPHAGINI
Subtribe	PARASARCOPHAGINA

1. *Parasarcophaga* (s.str.) *albiceps* (Meigen)

1825. *Sarcophaga albiceps* Meigen, *System. Besch.*, 5 : 22.

1982. *Parasarcophaga* (s.str.) *albiceps* (Meigen) : Nandi, *Rec. zool. Surv. India*, 80 : 118.

*Material* 2 ♂♂, Tamil Nadu : Mariner beach, 25.x.1985; 2 ♂♂, Madras Zoo Garden, 25.x.1985; 2 ♂♂, St. Thomas Road, 26.x.1985; 5 ♂♂, Tambram, 26.x.1985; 1 ♂, Kerala : Palghat, 82 m., 28.x.1985; 8 ♂♂, Walayar Forest, 100m., 28.x.1985; 3 ♂♂, Tamil Nadu : Coonoor, 1,700m., 29.x.1985; 1 ♂, Coimbatore, 150 m., 30.x.1985; 1 ♂, Kerala : Cochin, 1.xi.1985; 6 ♂♂, Periyar Lake, 1000m., 2.xi.1985; 14 ♂♂, Kumilly, 1,020m., 2.xi.1985; 2 ♂♂, Panthanpuzha, 200m., 3.xi.1985; 3 ♂♂, Kovalam, 4.xi.1985; 2 ♂♂, Tamil Nadu : Kodaikanal, 2,300m., 7.xi.1985; 1 ♂, Madurai, 133m., 8.xi.1985.

2. *Parasarcophaga* (s.str.) *knabi* (Parker)

1917. *Sarcophaga knabi* Parker, *Proc. U.S. natn. Mus.*, 54 : 96.

1982. *Parasarcophaga* (s.str.) *knabi* (Parker) : Nandi, *Rec. zool. Surv. India*, 80 : 118.

*Material* : 2 ♂♂, Tamil Nadu : St. Thomas Road, 26.x.1985, 1 ♂, Tambram, 26.x.1985; 1 ♂, Kerala Palghat, 82m., 28.x.1985; 4 ♂♂, Walayar Forest, 100m., 28.x.1985; 1 ♂, Tamil Nadu : Coonoor, 1,700m., 29.x.1985; 2 ♂♂, Ooty, 2,204 m., 29.x.1985; 3 ♂♂, Tamil Nadu : Marudamalai, 150m., 30.x.1985; 6 ♂♂, Coimbatore,

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150m., 30.x.1985; 1 ♂, Kerala : Coochin, 1.x.1985; 2 ♂♂, Ernakulam, 1.xi.1985; 7 ♂♂, Periyar Lake, 1,000 m., 2.xi.1985; 6 ♂♂, Kumilly, 1,020 m., 2.xi.1985; 3 ♂♂, Panthanpuzha, 200m., 3.xi.1985; 1 ♂, Kovalam, 4.xi.1985; 2 ♂♂, Tamil Nadu : Madurai, 133m., 8.xi.1985; 1 ♂, Rameswaram, 9.xi.1985; 1 ♂, Pamban, 9.xi.1985.

### 3. *Parasarcophaga (s.str.) hirtipes* (Wiedemann)

1830. *Sarcophaga hirtipes* Wiedemann. *Ausser. Zweifl. Ins.*, 2 : 661.

1979. *Parasarcophaga (s.str.) hirtipes* (Wiedeman) : Nandi, *Oriental Ins.*, 13(1-2) : 189.

*Material* 1 ♂, Tamil Nadu : Mariner Beach; 25.x.1985; 1 ♂, Madras Zoo Garden, 25.x.1985; 2 ♂♂, St. Thomas Road, 26.x.1985; 1 ♂, Kerala : Palghat, 82m., 28.x.1985; 1 ♂, Walayar Forest, 100m., 28.x.1985; 1 ♂, Ernakulum, 1.xi.1985; 1 ♂, Kumilly, 1,200 m., 2.xi.1985; 12 ♂♂, Tamil Nadu : Madurai, 133 m., 8.xi.1985; 1 ♂, Rameswaram, 9.xi.1985.

This species is recorded for the first time from Kerala.

### 4. *Parasarcophaga (s.str.) orchidea* (Böttcher)

1913. *Sarcopagga orchidea* Böttcher, *Ann. Hist. Mus. Nat. Hung.*, 11 : 375.

1982. *Parasarcophaga (s.str.) orchidea* (Böttcher) : Nandi, *Rec. zool. Surv. India*, 80 : 119.

*Material* : 2 ♂♂, Tamil Nadu : Mariner Beach 25.x.1985; 7 ♂♂, Madras Zoo Garden, 25.x.1985; 3 ♂♂, St. Thomas Road; 26.x.1985; 3 ♂♂, Tambaram, 26.x.1985; 4 ♂♂, Kerala : Palghat, 82m., 28.x.1985; 7 ♂♂, Walayar Forest, 100m., 28.x.1985; 4 ♂♂, Tamil Nadu : Marudamalai, 150m., 30.x.1985; 7 ♂♂, Coimbatore, 150m., 30.x.1985; 2 ♂♂, Kerala : Coochin, 1.xi.1985; 2 ♂♂, Ernakulam, 1.xi.1985; 6 ♂♂, Periyar Lake, 1,000m., 2.xi.1985; 4 ♂♂, Kumilly, 1,020m., 2.xi.1985; 1 ♂, Kovalam, 4.xi.1985; 1 ♂, Tamil Nadu : Madurai, 133m., 8.xi.1985; 3 ♂♂, Tirumalaya, 8.xi.1985.

### 5. *Parasarcophaga (Liopygia) ruficornis* (Fabricius)

1794. *Musca ruficornis* Fabricius, *Ent. Syst.*, 4 : 314.

1982. *Parasarcophaga (Liopygia) ruficornis* (Fabricius) : Nandi, *Rec. zool. Surv. India*, 80 : 119.

*Material* : 3 ♂♂, Tamil Nadu : Ooty, 2,204m., 29.x.1985; 1 ♂, Kerala : Kovalam, 4.xi.1985; 7 ♂♂, Tamil Nadu : Madurai, 133m., 8.xi.1985; 5 ♂♂, Pamban, 9.xi.1985.

This is recorded for the first time from Kerala.

### 6. *Parasarcophaga (Liosarcophaga) dux* (Thomson)

1868. *Sarcophaga dux* Thomson, *Kongl. Se ven. Freg. Eugen. Resa.*, P. 534.

1982. *Parasarcophaga (Liosarcophaga) dux* (Thomson) : Nandi, *Rec. zool. Surv. India*, 80 : 119.

**Material** : 1 ♂, Tamil Nadu : Tambram, 26.x.1985; 1 ♂, Ooty, 2,204m., 29.x.1985; 9 ♂♂, Rameswaram, 9.xi.1985; 2 ♂♂, Pamban, 9.xi.1985.

It is recorded for the first time from Kerala.

Subtribe HARPAGOPHALLINA

7. *Iranihindia futilis* (Senior-White)

1924. *Sarcophaga futilis* Senior-White, *Rec. Indian Mus.*, 26(3) : 246.

1982. *Iranihindia futilis* (Senior-White) : Nandi, *Rec. zool. Surv. India*, 80 : 118.

**Material** : 3 ♂♂, Tamil Nadu : Madras Zoo Garden, 25.x.1985; 1 ♂, Kerala : Walayar Forest, 100m., 28.x.1985; 2 ♂♂, Tamil Nadu : Marudamalai, 150m., 30.x.1985; 1 ♂, Coimbatore 150m., 30.x.1985; 1 ♂, Kerala : Ernakulam, 1.xi.1985; 1 ♂, Tamil Nadu : Mudurai, 133 m., 8.xi.1985.

This species is recorded for the first time from Tamil Nadu and Kerala.

Subtribe SARCOSOLOMONINA

8. *Sarcosolomonina (Parkerimyia) nathani* Lopes and Kano

1969. *Sarcosolomonina (Parkerimyia) nathani* Lopes and Kano, *Pacif. Ins.*, 11(1) : 184.

1976. *Sarcosolomonina (Parkerimyia) nathani* : Nandi, *Oriental Ins.*, 10(1) : 12.

**Material** : 1 ♂, Tamil Nadu : Coonoor, 1,700m., 29.x.1985.

This is the first record of this species from Tamil Nadu.

Subtribe SENIORWHITEINA

9. *Seniorwhitea krameri* (Böettcher)

1912. *Sarcophaga krameri* Böettcher, *Ent. Mitt.*, 1 : 166.

1982. *Seniorwhitea krameri* (Böettcher) : Nandi, *Rec. zool. Surv. India*, 79 : 460.

**Material** : 1 ♂, Kerala : Walayar Forest, 100m., 28.x.1985; 1 ♂, Tamil Nadu : Marudamalai, 150m., 30.x.1985.

It is recorded for the first time from Tamil Nadu and Kerala.

Subtribe HARPAGOPHALLINA

10. *Thyrsocnema (Pseudothyrsocnema) longistylata* Shinonaga and Lopes.

1924. *Sarcophaga crinita* Senior-White, *Rec. Indian Mus.*, 26(3) : 245.

1975. *Thyrsocnema (Pseudothyrsocnema) longistylata*, Shinonaga and Lopes, *Pacif. Ins.*, 16(4) : 459.

1979. *Thyrsocnema (Pseudothyrsocnema) longistylata* Shinonaga and Lopes : Nandi, *Oriental Ins.*, 13(1-2) : 194.

**Material** : 1 ♂, Kerala : Palghat, 82m., 28.x.1985.

Recorded for the first time from Kerala.

11. *Thyrsocnema (Pseudothyrsocnema) indica* Shinonaga and Lopes.

1924. *Sarcophaga caudagali* Senior-White, *Rec. Indian Mus.*, 26(3) : 227.

1975. *Thyrsocnema (Pseudothyrsocnema) indica*, Shinonaga and Lopes, *Pacif. Ins.* 16(4) : 459.

*Material* : 1 ♂, Tamil Nadu : Coonoor, 1,700m., 29.x.1985.

### SUMMARY

Of eleven species of Sarcophagid flies, *Iranihindia futilis* (Senior-White), *Seniorwhitea krameri* (Boettchu) are recorded for the first time from Tamil Nadu, and *Parassarcophaga (s.str.) hirtipes* (Wiedemann), *Parasarcophaga (Liopygia) ruficornis* (Fabricius), *Parasarcophaga (Liosarcophaga) dux* (Thomson), *Iranihindia futilis* (Senior-White), *Seniorwhitea krameri* (Böettcher) and *Thyrsocnema (Pseudothyrsocnema) longistylata* Shinonaga and Lopes from Kerala.

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