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HUNTSMAN SPIDERS OF BANGLADESH : GENUS *HETEROPODA* LATREILLE AND *OLIOS* WALCKENAER (ARANEAE : SPARASSIDAE)

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INTRODUCTION

Huntsman spiders (Family : SPARASSIDAE) of Bangladesh are so far known only by one species of genus *Heteropoda* Latreille and one species of *Macrommata* Latreille (Begum & Biswas, 1997; Okuma, *et al.*, 1993). Several species, on the other hand, are reported from countries like — India (Pocock, 1900; Patel & Patel, 1973; Shethi & Tikader, 1988; Biswas & Biswas, 1992; Saha, *et al.*, 1994 & '95; Kundu, *et al.*, 1999), Pakistan (Dyal, 1935), China (Chen & Zhang, 1991; Song & Chen, 1992; Song, *et al.*, 1999), Korea (Paik, 1978), Japan (Yaginuma, 1986), The Philippines (Barrion & Litsinger, 1995), Australia (Davies, 1994; Hickman, 1967; Hirst, 1989) and U.S.A. (Edwards, 1979; Roth, 1988).

The present paper contains a description of two species of the genera *Heteropoda* Latreille and *Olios* Walckenaer of which *O. durlaviae* is being described as new to science.

The materials were studied in the laboratory using stereozoom binocular microscope (model Zeiss, SV–8). The status of the species has been identified following Pocock (1900), Tikader (1987), Shethi and Tikader (1988), Biswas and Biswas (1992), Davies (1994) and Kundu *et al.*, (1999). The identity of the species was later confirmed from the 'Zoological Survey of India' Kolkata.

The type of the new species is at present in the collection of the Department of Zoology, Government P. C. College, Bagerhat and will be deposited to the Museum of the Department of Zoology, University of Dhaka, Bangladesh, in due course of time.

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SYSTEMATICS

Genus *Heteropoda* Latreille

1804. *Heteropoda* Latreille, *Nouv. Dict. d'Hist. Nat.*, **34** : 135.
 1900. *Heteropoda* : Pocock, *Fauna of Brit. Ind., Arachn.*, : 259.
 1977. *Heteropoda* : Tikader, *Rec. zool. Surv. India*, **72** : 189.
 1986. *Heteropoda* : Yaginuma, *Spiders of Japan in colour* : 199.
 1988. *Heteropoda* : Shethi & Tikader, *Rec. zool. Surv. India*, Occ. Pap. No. **93** : 9.
 1991. *Heteropoda* : Chen & Zhang, *Fauna of Zhejiang, Araneida* : 262.
 1992. *Heteropoda* : Biswas & Biswas, *Fauna of West Bengal, Araneae* : 413.
 1993. *Heteropoda* : Davies, *Mem. Qld. Mus.*, **35**(1) : 78.
 1994. *Heteropoda* : Saha, *et al.*, *Acta arachnol.*, **43**(1) : 43.
 1995. *Heteropoda* : Barrion & Litsinger, *Riceland Spiders of South and South East Asia* : 274.
 1997. *Heteropoda* : Platnick, *Advances in Spider Taxonomy* : 799.
 1999. *Heteropoda* : Song, *et al.*, *The Spiders of China* : 467.

Diagnosis : Cephalothorax nearly as long as wide, cephalic region slightly depressed or in some raised medially and posteriorly sometimes very high. Eyes prominent; anterior row straight or little procurved; posterior row of eyes recurved; lateral eyes prominent and larger than others; anterolaterals larger than the anteromedian.

Abdomen broad, elongate or oval, clothed with hairs and spine-like pubescence. Epigynum with a pair of lobes, usually separated by a septum.

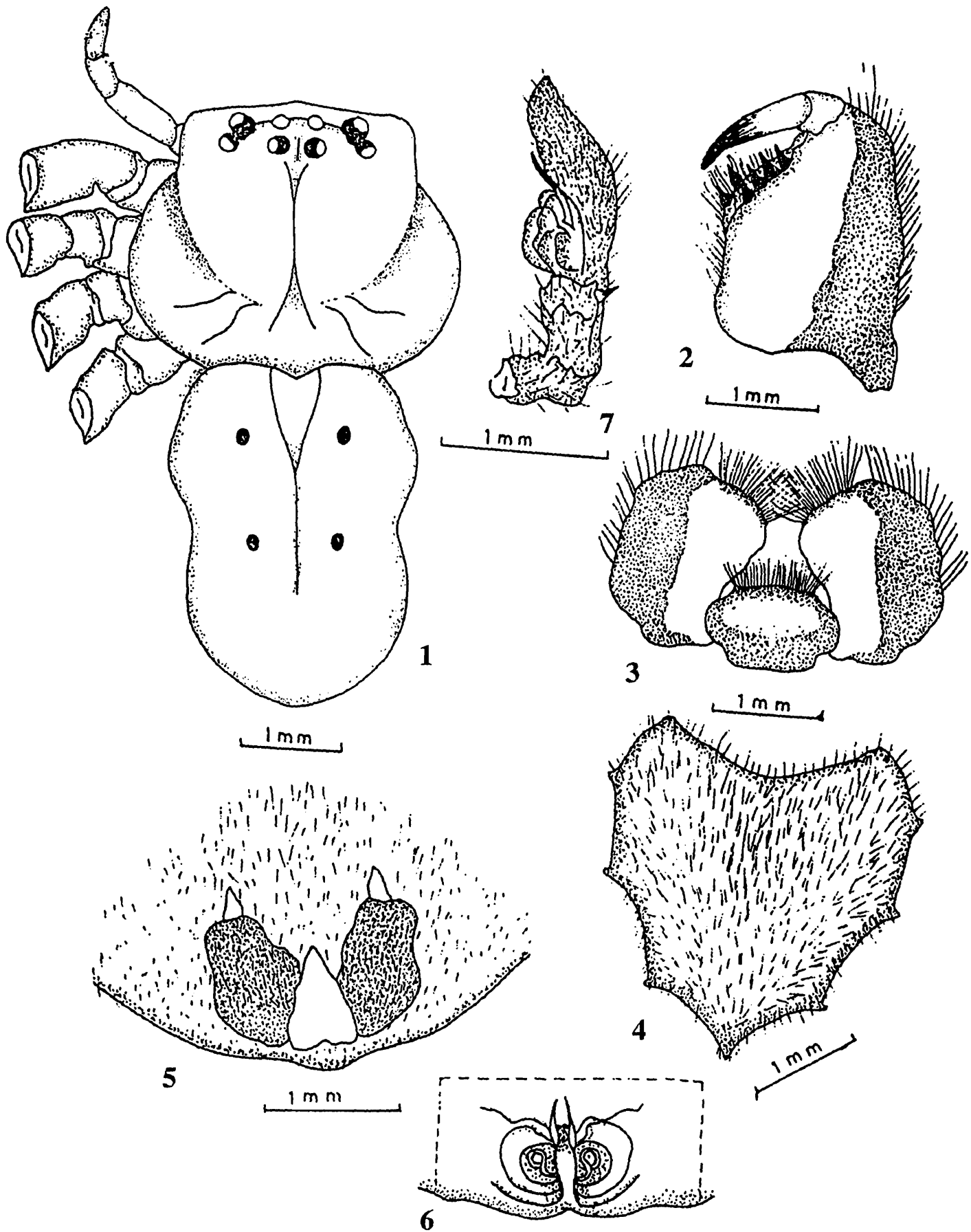
Type-species : *Heteropoda venatoria* (Linnaeus).

Distribution : AMERICA; ASIA; AUSTRALIA and EUROPE.

Heteropoda venatoria (Linnaeus)

(Figs. 1-7)

1767. *Aranea venatoria* Linnaeus, *Syst. Nat.*, (XII. ed) : 1035.
 1793. *Aranea regia* : Fabricius, *Ent. Syst.*, **2** : 408.
 1798. *Aranea pallens* : Fabricius, *Suppl. Ent. Syst.*, : 291.
 1804. *Heteropoda venatoria* : Latreille, *Nouv. Dict. Hist. Nat.*, **24** : 135.
 1836. *Ocypete setulosa* : C. L. Koch, *Die Arachn.*, **3** : 40.
 1837. *Olios leucosius* : Walckenaer, *Hist. Nat. Ins. Apt.*, **1** : 566.
 1878. *Heteropoda venatoria* : Thorell, *Ann. Mus. Civ. Genova*, **13** : 191.
 1900. *Heteropoda venatoria* : Pocock, *Fauna of Brit. Ind. Arachn.*, : 260.
 1988. *Heteropoda venatoria* : Shethi & Tikader, *Rec. zool. Surv. India*, Occ. Pap. No. **93** : 16.
 1993. *Heteropoda venatoria* : Davies, *Mem. Qld. Mus.*, **35**(1) : 83.
 1997. *Heteropoda venatoria* : Platnick, *Advances in Spider Taxonomy* : 802.



Figs. 1-7. *Heteropoda venatoria* (Linnaeus). 1. Female dorsal view (legs omitted); 2. Chelicerae; 3. Maxillae and Labium; 4. Sternum; 5. Epigynum; 6. Internal genitalia; 7. Male palp.

Material examined : 1♂ Bagerhat, 1.X.1991, Coll. V. Biswas; 2♀ Barisal, 18.V.1992, Coll. V. Biswas; 1♂ Faridpur, 13.II.1992, Coll. V. Biswas; 1♀ Jhenidah, 1.II.1992, Coll. V. Biswas; 1♀ Pabna, 19.XI.1993, Coll. V. Biswas; 1♀ Rangpur, 24.II.1993, Coll. V. Biswas.

Distribution : BANGLADESH : Bagerhat, Barisal, Faridpur, Jhenidah, Pabna, Rangpur; AUSTRALIA; BURMA; CHINA; HONG KONG; JAPAN; JAVA; SRI LANKA; SUMATRA; U.S.A. (Shethi & Tikader, 1988).

Genus *Olios* Walckenaer

1837. *Olios* Walckenaer, *Hist. Nat. Ins. Apt.*, 1 : 574.
 1880. *Midamus* : Simon, *Act. Soc. Linn. Bordeaux* : 311.
 1887. *Macrinus* : Simon, *Bull. Soc. zool. Fr.*, : 470.
 1902. *Neosparassus* : Hogg, *Proc. Zool. Soc. London*, : 423.
 1935. *Olios* : Dyal, *Fauna of Lahore-4* : Spiders of Lahore : 206.
 1988. *Olios* : Shethi & Tikader, *Rec. zool. Surv. India*, 93 : 30.
 1995. *Olios* : Barrion & Litsinger, *Riceland spiders of South and South East Asia* : 281.
 1997. *Olios* : Platnick, *Advances in Spider Taxonomy* : 805.
 1999. *Olios* : Song, *et al.*, *The Spiders of China* : 468.

Diagnosis : Cephalothorax distinctly elevated and convex; thoracic groove or fovea indistinct or may be absent. Anterior row of eyes straight; anteromedians largest and larger than the laterals; posterior row of eyes slightly procurved; ocular quad square. Clypeus very long. Labium broad, rounded at the apex. 2nd leg longer than the first. Tibia I armed with 2 pairs of small spines.

Type-species : *Olios argelasius* (Walckenaer)

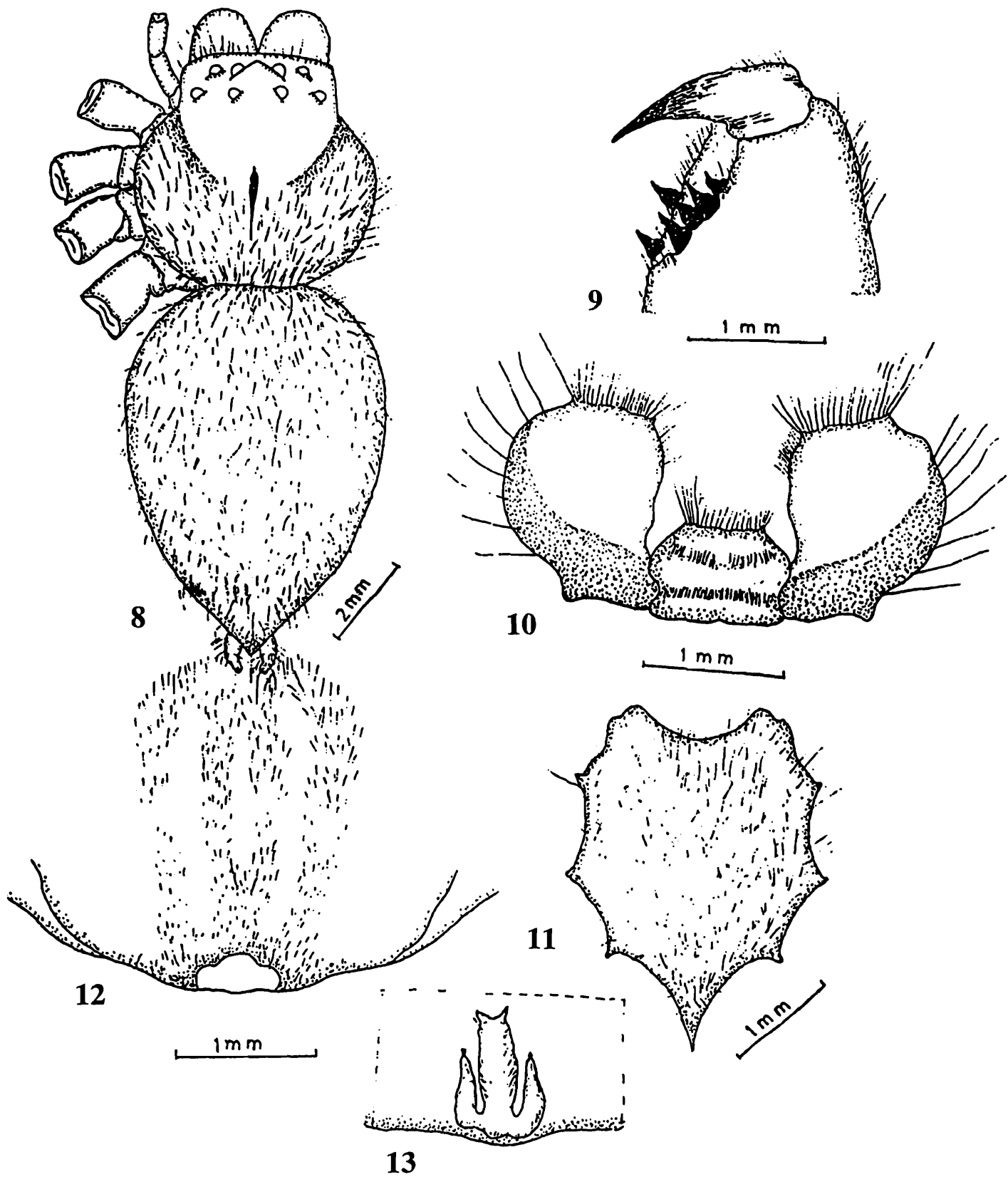
Distribution : All tropical countries of the world.

Olios durlaviae n. sp.

(Figs. 8-13)

General : Cephalothorax and legs dark brown; abdomen light brown with brown pubescence and hairs. Total body length 32.50 mm. Carapace 14.00 mm long and 13.50 mm wide; abdomen 18.50 mm long and 11.20 mm wide.

Cephalothorax : Longer than wide, nearly rounded posteriorly, anteriorly constricted, anterior margin straight (fig. 8). Cephalic region raised with distinct cervical furrows, medially with a distinct brown, longitudinal fovea. Thoracic region clothed with haphazardly arranged brown hairs and pubescence. Eyes brown, nearly similar; anterior row little procurved while posterior row straight. Chelicerae dark brown, strong, clothed with sharp hairs; inner and outer margins respectively with 4 and 2 teeth, fung basally wide (fig. 9). Maxillae brown, broad, longer than wide, medially wide, anteriorly scopulate (fig. 10). Labium brown, vase-shaped, medially wide, posteriorly constricted, anteriorly scopulate (fig. 10). Sternum dark brown, elongate, posteriorly narrowed,



Figs. 8-13. *Olios durlaviae* n. sp. 8. Female dorsal view (legs omitted); 9. Chelicerae. 10. Maxillae and Labium; 11. Sternum; 12. Epigynum; 13. Internal genitalia.

produced and pointed, anterior margin concave (fig. 11). Legs long and strong; leg formula 2143 and the measurements (in mm) as in Table 1.

Table 1. : Measurements (in mm) of different parts of legs of *Olios durlaviae* n. sp.

Leg	Femur	Patella & Tibia	Metatarsus	Tarsus	Total
I	7.00/7.00	9.00/9.00	6.00/6.00	3.00/3.00	25.00/25.00
II	8.50/8.50	10.50/10.50	7.00/7.00	3.00/3.00	29.00/29.00
III	6.50/6.50	7.00/7.00	4.00/4.00	2.00/2.00	19.50/19.50
IV	7.00/7.00	7.00/7.00	5.00/5.00	2.50/2.50	21.50/21.50

Abdomen : Broadly oval, anteriorly wide, posteriorly narrowed and with a pointed tip; dorsum clothed with hairs, spines and pubescence; ventrally pale brown; lateral spinnerets elongate and inwardly curved. Epigyne and internal genitalia as in Figs. 12 and 13.

Male : Unknown.

Holotype : Female in spirit.

Type-locality : Jhenidah, Bangladesh, 08.V.1992, Coll. V. Biswas.

Etymology : The species has been named after my beloved grand mother late Smt. Durlavi Rani Biswas.

Remarks : Following the key to the species of *Olios* Walckenaer (Shethi & Tikader, 1988), the new species approaches close to *O. milleti/obesulus* group but none of the species can be related to the present species because of the presence of posteriorly narrowed abdomen, only 4 teeth on the inner margin of chelicerae and very typical epigynum and internal genitalia.

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