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Description of New Species Of *Philodromus* (Aranae: Philodromidae) From Sindh, Pakistan

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Abstract: The male of *Philodromus sindhicus* sp. nov. described by first author as new species to science. Beside this, a detail genitalia with illustration and comparison of *Philodromus amoenus* (Butt) was also provided.

Key words: Male, *Philodromus sindhicus*, genitalia, Sindh.

1. INTRODUCTION

The genus *Philodromus* Walkenaer, 1826 is represented by 244 describ282 2013ed species on world basis (Platnick, 1995). From Pakistan Butt (1996) recorded one species of this genus from Faisalabad, Shabir (1997) reported two species from Chakwal, Fatima (1999) recorded five species and Razia Parveen (2003) three species from Punjab. In the present study, a new species namely *Philodromus sindhicus* is described from Jamshoro, Sindh.

Diagnosis:

This species is closely related to *Philodromus amoenus (*Butt), except having light brown ocular area provided with few spines like hairs forwarded towards clypeus; femur, tibia and metatarsus of each leg provided with three dorsal and lateral spines. Although the genetalia of this species has the same structural features of *P.amoenus* illustrated by Butt (1996), it shows appreciable differences such as retero-lateral tibial apophysis short and blunt not pointed; embolus straight and pointed at tip and open into well curved ejaculatory duct.

Description of male Holotype:

Cephalothorax; abdomen and legs pale yellow in colour; carapace broader than long, cephalic region slightly raised, uniformly colored except eye area. Eyes small, uniform in size, color in black, both anterior and posterior rows recurved forming a semicircle. The anterior row shorter than posterior one; anterior median eyes (AME) close to posterior median eyes (PME) and the diameter of PME further from each other than the posterior lateral eyes (PLE). Ocular quad wider in front, sternum heart-shaped, covered with hairs. Legs long and clothed with hairs and each segment of leg provided with spines. Retro-lateral tibial apophysis short and blunt two prominent one each apical spines on tibia and cymbium; embolus straight and pointed at tip, open into well curved ejaculatory duct. Abdomen longer than wide having brown patches and covered with few spines-like hairs.

Material examined: 1 male Holotype was captured from inside house Jamshoro, 17-IV-2008. (T.J Ursani)

Etymology:

This new species is named after the Sindh province of Pakistan

Repository:

The type material is deposited in the Advanced Entomology Laboratory, Department of Zoology, University of Sindh, Jamshoro, Pakistan.

Measurements (mm)

Parameters	Holotype n= 01
Body Length	5.70
Carapace Length	2.10
Carapace Width	2.30
Abdomen Length	3.60
Abdomen Width	3.08

Measurements of legs (mm)

Legs	I	II	III	IV
Femur	2.42	3.89	1.92	2.18
Patella	1.08	1.28	1.08	103
Tibia	2.18	2.85	1.95	1.26
Metatarsus	1.95	2.65	1.03	1.00
Tarsus	1.5	1.48	1.00	1.40
Total	8.68	12.13	6.98	6.54

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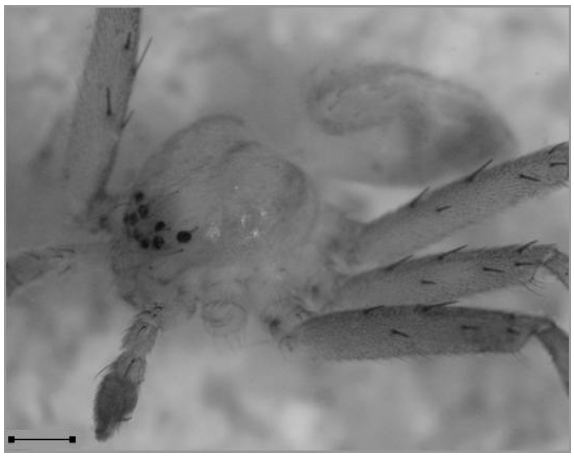
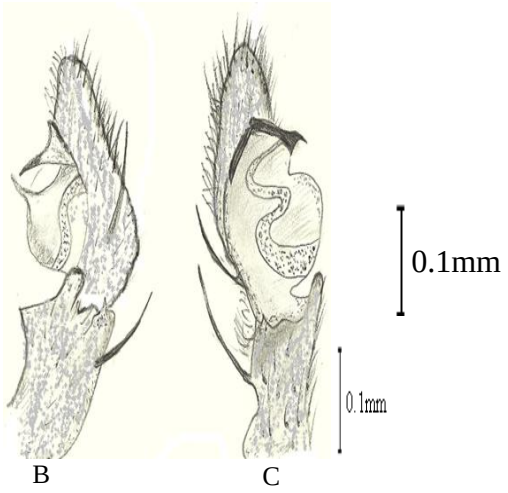


Fig: A. *Philodromus sindhicus* sp. nov., dorsal view,100x X 10x Z2S-OS1Z-AT7



B. Lateral View and C Ventral view of palp showing embolus and ejaculatory duct.

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