

## A NEW SPECIES OF *CHRYSOPA* (NEUROPTERA : CHRYSOPIDAE) FROM INDIA

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*Chrysopa (Chrysoperla) sanandensis* sp. nov. (Neuroptera : Chrysopidae) is described from Gujarat, India.

The present note deals with the description of a new species of *Chrysopa* found in the collections of Chrysopidae received from Gujarat Survey. The type specimens will in due course be deposited in the collection of Zoological Survey of India, Calcutta.

***Chrysopa (Chrysoperla) sanandensis* sp. nov.**  
(Figs. 1-7).

Holotype ♂ (pinned), genital structures on slide (No. 11/Guj). Tip of left antennae broken. Wings partially damaged.

Head : yellow; genae brownish, clypeus with brown borders; vertex greenish yellow palpi brown. Antennae : scape and pedicel yellow but the remaining portion of the flagellum pale brownish; setae on flagellum black.

Thorax : pronotum : shorter than broad, greenish yellow, a transverse ridge across the middle, short black hairs on the lateral margins. Mesonotum : greenish yellow, Metanotum : yellow but metascutellum whitish. Legs : pale yellow; tarsi brownish; claws dark brown and the hooks of the claws bent at right angle to the bases. Wings : (Figs. 1 & 2) membrane hyaline; absence of any spot; pterostigma yellowish, venation pale entirely; intramedian cell elongate its apex ends before the radio-medial crossvein. Number of gradates in forewings

6/7 and in hindwings 5/6; short black hairs on margins and veins.

Abdomen : whitish yellow with white pubescence. Sternite 8 + 9 elongated with rounded tip as shown in Fig. 3.

Gonarcus narrow with large side pieces; unpigmented, acute, distinct and smaller entoprocessus; long and straight arcessous; with a few gonosetae. Tignum rather stout, acumen with rounded apex in dorsal view.

Allotype ♀ (pinned : subgenital plate and spermatheca on slide No. 13/Guj). Antennae broken.

Colour as in the holotype ♂. Gradates in forewings 6/7 but in the hindwings 5/7.

Abdomen : discoloured. Subgenital not very stout, its distal lobe separated by a deep narrow incision. Spermatheca brown, vela short.

Paratype ♂♂ (pinned : genitalia on slide) : one of the specimens agrees well with the holotype ♂. Other specimen with the following variations : colour of the head and prothorax yellow; gradates of forewings 5/6; in hindwings 4/6 (right), 5/6 (left.).

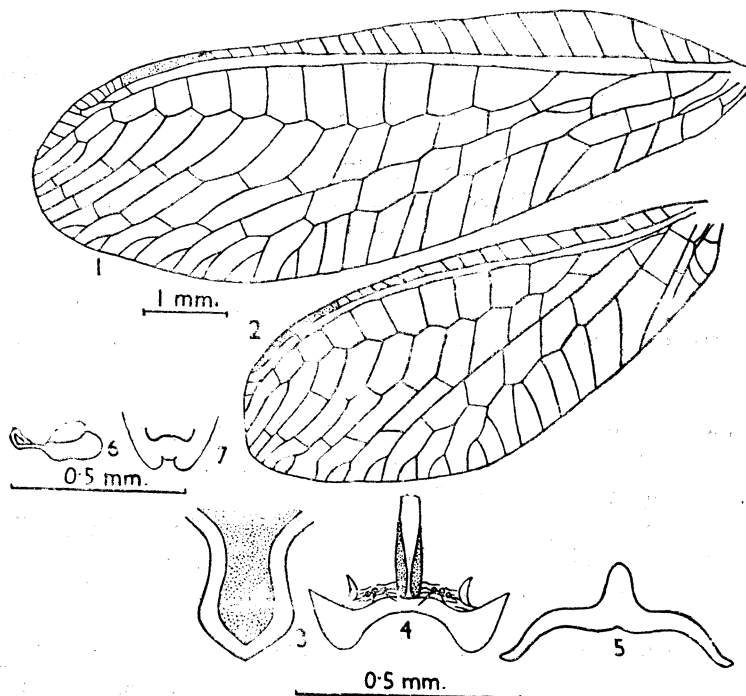


Fig. 1-7. *Chrysopa (Chrysoperla) sanandensis* sp. nov. 1. forewing; 2. hind wing; 3. Sternite 8 & 9 of male abdomen; 4. gonarcus with arcessus, dorsal; 5. tignum ventral; 6. spermatheca lateral; 7. subgenital plate, ventral view.

Paratype ♀ (pinned : tip of abdomen on slide) : colour same as in holotype. Gradates of forewings 5/6 (left), 4/6 (right); in hindwings 4/6 (left), 3/5 (right).

**Material:** **Holotype** ♂, INDIA : GUJARAT : Dadagram, Sanand, 8.xii.73, P.T. Cherian. **Allotype** ♀, INDIA : GUJARAT : Sabarmati, Ahmedabad dist., 7.xii.73, P. T. Cherian. **Paratype** ♂ ♀, INDIA : GUJARAT : Sanand, 3.xii.73, P. T. Cherian. **Paratype** ♂, INDIA : GUJARAT : Dadagram, Sanand, 8.xii.73, P. T. Cherian.

The species is closely related to *Chrysopa scelestes* Banks (Banks, 1911) but may be distinguished by the absence of any black

cross vein, by the brownish cheek, by the same length of 2nd and 3rd cubital cell and by the structure of genitalia described and figured by Adams (Adams, 1959).

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# Bibliography of the Neuropterida

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