

On a new cestode, *Indicovalipora indicus* sp. nov. (Cestoda : Dilepididae) from *Varanus indicus* at Hiradgaon (M.S.) India

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ABSTRACT

The present communication deals with a new species of the genus *Indicovalipora* from *Varanus indicus*. It differs from all the known species of genus with characters, scolex globular, mature segment longer than broad, testes 80-85 (83) in number, preovarian, cirrus pouch large, elongated, cirrus wide, slightly curved, ovary distinctly bilobed, isthmus medium, vagina posterior to the cirrus pouch, ootype oval, genital pore opens marginally, vitellaria follicular.

Key words : *Indicovalipora indicus*, *Varanus indicus*, Intestine, Cestoda, Hiradgaon

The genus *Indicovalipora* was erected by Shinde and Deshmukh (1985) from *Varanus*, *Varanus indicus*, as type species *I. marathwadaensis* later on they added two more species of genus i.e. *I. varanusi* and *I. aurangabadensis* from *Varanus indicus*. Later on no species were added to this genus.

The present communication, deals with the description of new species of genus *I. indicus* from the intestine of *Varanus* at Hiradgaon, Shrigonda, Dist. Ahmednagar.

MATERIALS AND METHODS

Fifteen specimens of cestode parasites were collected from the intestine of varanus. The collected worm washed, relaxed, preserved in 4% formalin, stained with H. haematoxylin, passed through various alcoholic grades, cleared in xylene and mounted in D.P.X. Drawings were made with the help of Camera lucida. All measurements are in millimeter.

Description:

(*Indicovalipora indicus* n.sp.)

Scolex medium, globular, distinctly marked off from strobila and measures 0.303-0.409 in length and 0.197-0.454 in breadth. Suckers medium, oval, highly muscular and measures 0.121-0.144 in length and 0.121-0.136 in breadth, rostellum oval, with four row of hooks, 480-500

in number, 'V' shaped and measures 0.178 in length and 0.017-0.171 in breadth, neck medium, longer than broad and measures 0.421-0.462 in length and 0.091-0.288 in breadth, mature segment longer than broad and measures 1.584-1.592 in length and 0.796-0.856 in breadth, testes medium, round to oval, 80.85 (83) in number, preovarian, in the central medulla and measures 0.023-0.076 in diameter, cirrus pouch large, oval, elongated, anteriorly directed and measures 0.280 in length and 0.045-0.114 in breadth, cirrus wide, slightly curved, protruded outside and measures 0.644 in length and 0.008-0.038 in breadth, vas deferens long, curved and measures 0.333 in length and 0.008-0.015 in breadth, ovary large, distinctly bilobed, dumbbell shaped and measures 0.409-0.447 in length and 0.084-0.538 in breadth, isthmus medium, connects two ovarian lobes and measures 0.084-0.091 in length and 0.44 in breadth, vagina wide tube, posterior to the cirrus pouch, turns posteriorly and measures 0.697 in length and 0.008-0.068 in breadth, ootype medium, oval and measures 0.068 in length and 0.060 in breadth, genital pore large, oval, opens marginally, irregularly alternate and measures 0.258 in length and 0.053-0.098 in breadth, uterus long, medium and measures 1.447 in length and 0.015-0.060 in breadth, vitellaria follicular, in cortical and subcortical region, and measures 0.015 in diameter, longitudinal excretory canal thin and measures 0.008-0.015 in width, gravid segments were not available.

Type species – *Indicovalipora indicus* n.sp.

Host – *Varanus indicus*

Location – Intestine

Locality – Hiradgaon, Shrigonda, Dist. Ahmednagar (M.S.) India

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