

RESEARCH ARTICLE

Taxometric observation of *Gangesia* (G.) *Striatusii* sp. Nov. (Eucestoda-proteocephalidae) from *channa striatus*

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ABSTRACT..... The present study deals with the new species of the genus *Gangesia* Woodland, 1924 i.e. *Gangesia* (G.) *striatusii* Sp.Nov. were collected from freshwater fish, *Channa striatus* from Omerga Dist. Osmanabad (M.S.) India. It differs from all the known species of the genus in having scolex rounded, muscular, hooks 120-130 in numbers, neck absent, mature proglottids broader than long, testes 70-80 in numbers, ovary distinctly bilobed and vitellaria granular.

KEY WORDS..... *Channa striatus*, *Gangesia* (G.) *striatusii* sp. Nov., Omerga

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INTRODUCTION.....

The genus *Gangesia* was erected by Woodland, 1924 with its type species *G.macrones* from *Macrones seenghala*, Southwell, 1913 described *G.bengalensis* from *Ophiocephalus striatus*, Verma, 1928 described *G.pseudotropii* from *Pseudotropius garua*. Later on Singh, 1948 described *G.lucknowia* from *Eutropiichthys vacha*. In 1982 *G.sanhensis* is added by Malhotra *et al.*, Later on *G.haryanae* and *G.indica* are added by Gupta *et al.*, 1982, Later on Kadam *et al.*, 1983 added two species i.e. *G.godavari* and *G.paithanensis* from *Barbus ticto*, Dhar *et al.*, added *G.fotedari* from *Glyptothorax* sp. Takeshi Shimazu, 1994 added *G. margolisi* from *Silurus biwaensis*. In 1995 *G.maharashtrii* is added by Jadhav *et al.*, from *Wallago attu*, *G. dharurensis* is added by Jadhav *et al.*, 1997 from *Wallago attu* Hiware, 1999 added *G.seenghali* from *Mystus seenghala*. Jadhav *et al.*, 2001 described *G.clariusae* from *Clarias batrachus*. Later on in 2004 Pawar described *G.rohitae* from *Labeo rohita* and Wankhede in 2004 added *G.mastacembali* from *Mastacembalus armatus*. Later on *Gangesia marathwadensis* added by Bhure *et al.*, 2011 from *Wallago attu*. Then Reddy *et al.*, 2012 added *Gangesia* (*Gangesia*) *bendsurensis* from the freshwater catfish *Wallago*

attu. Recently Bhavare *et al.*, 2012 added *G. jayakwadensis* from *Clarias batrachus*.

The present communication deals with the species of the genus *Gangesia* Woodland (1924) viz., *Gangesia* (G.) *striatusii* sp. Nov. collected from Omerga, Dist. Osmanabad (M.S.) India from *Channa striatus*.

RESEARCH METHODS.....

Tapeworms were collected from the intestine of freshwater fish, *Channa striatus* from Omerga Dist. Osmanabad (M.S.) India. These cestodes were preserved in hot 4 per cent formalin, stained with Harris haematoxylin and Borax carmine, passed through various alcoholic grades, cleared in xylene, mounted in D.P.X. and drawings are made with the aid of camera lucida. All measurements are given in millimeters.

RESEARCH FINDINGS AND ANALYSIS.....

The findings of the study have been discussed in detail as under:

Description (Based on ten specimens) *Gangesia* (G.) *striatusii* sp. Nov. (Fig. 1 and 2).