

**A NEW SPECIES OF *GANGESIA ROHITAE* N.SP. (EUCESTODA :
PROTEOCEPHALIDAE) FROM *LABEO ROHITA***

S.B. PAWAR, A.D. LAKHE¹, G.B. SHINDE² AND A.S. PATIL³

DEPTT. OF ZOOLOGY, DNYANOPASAK COLLEGE, PARBHANI-431 401, INDIA.

DEPTT. OF ZOOLOGY, M.S.P.M. NEW HIGH SCHOOL & JUNIOR COLLEGE,
PARLI-VAIJNATH-431 520, INDIA¹.

169-TAPSAYA, CANTONMENT, AURANGABAD-431 103, INDIA².

DEPTT. OF ZOOLOGY, ARTS, COMM. & SCIENCE COLLEGE, DHULE-425 409, INDIA³.

The present form, *Gangesia rohita* n.sp. having testes number 145-155 (150) deals with new species of genus *Gangesia* Woodland 1924 from freshwater fish *Labeo rohita* comes closer to *Gangesia pseudotropii*, *G. lucknowia*, *G. haryanae*, *G. sanhensis* and *G. fotedari* but differs from them in number of rostellar hooks, testes number and in structure of uterus.

The genus *Gangesia* was erected by Woodland, 1924. Later on eighteen species were added to this genus in the world. The present communication deals with description of new species as *Gangesia rohita* n.sp.

Eleven cestodes were collected from intestine of freshwater fish *Labeo rohita*. All were flattened, preserved in 4% formalin, stained with Harri's haematoxylin, passed through various grades of alcohols, cleared in xylol, mounted in DPX and whole mount slides were prepared for further anatomical studies.

***Gangesia rohita* n.sp. (Fig. 1A,B & C)**

The scolex medium, oval, narrow anteriorly, broad posteriorly, with four suckers, armed rostellum, 0.230-0.354 x 0.320-0.368; rostellum large, oval at anterior tip of scolex, protruded, with numerous hooks, 0.141 x 0.121; rostellar hooks 30-32, single pronged, almost triangular, broad at base, narrow at apex, 0.063-0.032 x 0.010-0.024; suckers medium, oval, arranged in two pairs, overlapping each other, 0.112-0.155 x 0.107-0.131; neck short, broader than long, 0.150 x 0.160 x 0.262-0.291; mature segments medium, squarish shaped, 0.252-0.267 x 0.645-0.679; testes medium, oval, 145-155 (150), in single field, bounded laterally by longitudinal excretory canals, 0.015 - 0.024 x 0.010-0.015; cirrus pouch marginal, medium, curved, at 1/3rd from anterior margin of segment, 0.097-0.012 x 0.039-0.043; vas deferens thin, short, curved, 0.097 x 0.005; ovary large, bilobed, lobes with 6-7 short, blunt, round acini, near posterior margin of segments, lobes large, oval, 0.422-0.487-0.015 x 0.053; vagina thin, posterior to cirrus pouch, starts from genital pore, opens into ootype, 0.447 x 0.005-0.015; ootype medium, oval, in centre of segment, on isthmus, near posterior margin of segment, 0.029 x 0.024; vitellaria follicular, anterior to posterior margin of segment, 0.029 x 0.024, vitellaria follicular, anterior to posterior margin of segment, arranged in 3-6 rows on each side, 0.010 x 0.005; genital pores small, oval, just anterior to middle of segment, irregularly alternate, 0.010 x 0.067; longitudinal excretory canals medium in width, 0.010 in size and gravid segments were not available.

Type species	:	<i>Gangesia rohita</i> n.sp.
Host	:	<i>Labeo rohita</i>
Habitat	:	Intestine
Locality	:	Dhanegaon Dam, Distt. Beed
Date of collection	:	11 th Sept. 1995

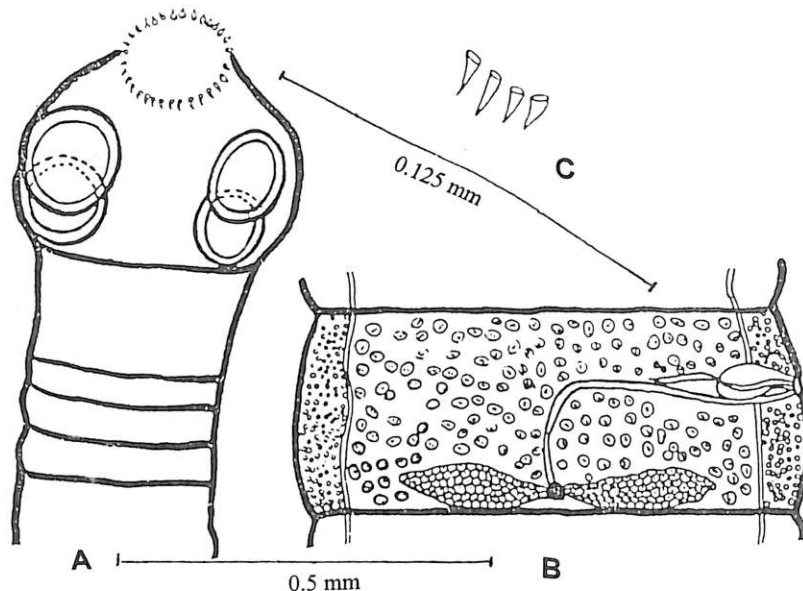


Fig. 1 : *Gangesia rohita* n.sp. A. Scolex; B. Mature segment; C. Rostellar hooks.

The worm under discussion having 145-155 (150) testes, comes closer to *Gangesia pseudotropii*, *G. lucknowia*, *G. haryanae*, *G. sanhensis* and *G. fotedari* differs from *G. pseudotropii* Verma, 1928 in not having rostellar hooks 17-20, testes 100-160 and uterus with 30-34 lateral diverticulae, from *G. lucknowia* Singh, 1948 in not having testes 130-150, ovarian lobes squarish, uterus with 10-18 lateral diverticulae, also from *G. haryanae* Gupta and Arora, 1982 in not having rostellar hooks 2-20, testes 200, uterus with 24 lateral diverticulae on each side, further from *G. sanhensis* in not having the rostellar hooks 22-25 testes 122-124 and from *G. fotedari* Dhar and Majdah, 1984 in not having rostellar hooks 30-48, testes 120-134 and uterus with 9-15 lateral diverticulae.

As the character of present tapeworm are distinct, to erect a new species, for these worms and hence the name *Gangesia rohita* n.sp. is proposed after species name of the host.

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