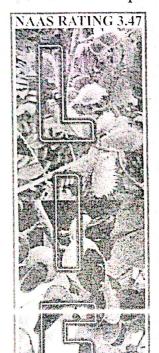
ISSN 2321-7952 (Online)

ISSN 0973-5458 (Print)

(A Multidisciplinary International Peer Reviewed Journal of Life Sciences)

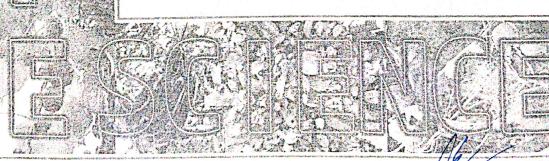




An official publication of the

SOCIETY OF LIFE SCIENCES

email: editorlsb@yahoo.in, slsindiajournals@gmail.com Online version at: www.slsjournals.com, www.connectjournals.com



Executive Editor

DasShivesh Pratap Singh Chief Editor

SELU. Dist Parbhani

SELU, Diet Parbhanl Byeleybivenem najul

770	risk	131.4
100	LIY	Q fee
	1,47	

Abiasa Pandey and Nidhi Tripathi

Assessment of hematological parameters among rice mill workers of Uttar Pradesh.

NBesh Kumar Singh and S. K. Singh

comparative study of impact of open cast coal mining on frequency and body length of standied soil insects in both mining areas of Jharia coalfield and non-mining areas of

🏂 Umesh Kumar Sharma and Vijay Kumar

Examination of acute toxicity of Ekalux EC on TCDC in fresh water fish. Mystus vittatus

95-96

V. Sailaja, P. Uma Maheshwari, G. Ravanaiah and K. Madhava Reddy

importance of Panchagavya in agriculture.

97-99

Rajendra Mistry and Amita Mishra

Study of the nutrition and feeding behaviour of the hemipterans on less preferred plant food

101-102

Minakshi Kumari and Vijay Kumar

Studies on cyclic changes in biochemical composition in a teleostean fish, Channa gachua

103-105

Rahul Ghritlahre and Lata Sharma

Aboriginal uses of aromatic plants in tribal areas of Ratanpur region in Bilaspur district CG.).

107-110

Shreyansh Parsai, Kamlesh Choure, Arpit Srivastava, Piyush Kant Rai, Shilpi Singh and Vivek Agnihotri

solation and characterization of thermophilic Bacillus sp. with multiple thermostable enzyme producing potential isolated from the hot springs of Madhya Pradesh.

111-115

🧸 🙏 K. Toppo, K. R. Sahu and Hemlata Nishad

Description of spider in Achanakmar, wild life sanctuary district Bilaspur (Chhattisgarh).

117-119

🍇 R. M. Khadap 🕆

Rew species of the genus Rhabdocona Railiet, 1916 (Nematoda: Rhabdochonidae) from stine of Labeo rohita.

121-122

Prashant V Patil

decrobiology of Domari dam, Beed (M.S.)

123-124

M.S. Kadam

A green synthesis of new compounds using water with its biological applications.

amomodulator plants: Better to prevent COVID-19 by boosting immunity then cure.

125-128

🅦 Rashmi Singh and Shivesh Pratap Singh

129-132

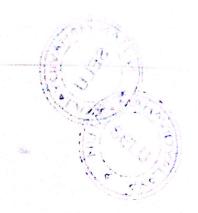
inaccurate data, opinions and views expressed by the authors in articles are of their own and not of Life Science Bulletin. The chief editor, to a second of the Journal will not be responsible for the authenticity of data and results drawn by authors.

some wind that if any dispute arises regarding the Journal the matter would be decided and entertained by the honorable District Judge of Satna (M.P.) only,

Peer Reviewed Research Journal: Life Science Bulletin, Vol. 17(1&2): 2020



-



Peer Reviewed Research Journal

ISSN: 0972-995X (Print), 2321-7960 (Online)

NATIONAL JOURNAL OF LIFE SCIENCES

(Abbreviation : Natl. J. Life. Scl.)

Published by: SOCIETY OF LIFE SCIENCES

Volume 17 Number 2 December 2020 15. Raihanul Januat, Hamida Khanum, Rimi Farhana Zaman, Sharmin Musa, Mandira Mukutmoni and Fahmida Sarker 81-86 Enteric parasites with zoonotic importance in jackal (Canis aureus Linnaeus, 1758). 16. Bungdon Shangningam, Laishram Kosygin and Shibananda Rath First report of Psilorhynchus brachyrhynchus from India with a note on fishes on Bulledam 87-89 17. Shreyansh Parsai, Kamlesh Choure, Arpit Srivastava, Piyush Kant Rai, Vivek Agnihotri and Sourabh Singh Gour 91-96 Lipase producing thermophilic bacteria isolation and characterization from hot springs of 18. Dilip Kumar Rathore, Diksha and Ruchi Sagar Algal diveristy of Klade Genesh ii temple pared 16 97-100 19. Surendra Kumar Bhardwaj and Jitendra Singh Laura Potential use of some traditional plant-expacts as bio-protectant against Xamhomonas citri 101-106 Phagodeterrent activity of Prosopis spicigero foliar extraet against Callosobruchus 107-108 21. Yurembam Motilan, Rajkumar Radhakrishore and Wairokpam Wangthoinganba Captive breeding of threatened ornamental fish species of Manipur, India 109-113 22. Archana Tiwari, Sadhana Chaurasia and Shiyesh Pratap Singh Assessment of water quality and fish diversity of Tons river. Satna (M.P.) 115-119 23. R.M.Khadap Zeylanema saihuensis n.sp. (Camallanidae, Camallaninac, Zeylanema Yeh, PRINCIPAL Obhiocephalus striatus (Bloch) Ophiocephalus strlatus (Bloch) Nutan Mahavidyalaya 24. A.A. Page, D.B. Bhure and S.S. Nanware Prevalence of cestode infection of Copra hire is L. from Latur (M.S.). Mutan Maharidyalaya The statements, inaccurate data, opinions and views expressed by the SELU-Dist Parhhani

The chief editor, editors, advisors or publishers of the Journal will o

authors in articles are of their own and not of Valuesa, Journal of Life Sciences.



ISSN 2321-7960 (Online)

(A Multidisciplinary International Peer Reviewed Journal of Life Sciences)

RATIONALIOURNA

NUMBER 182

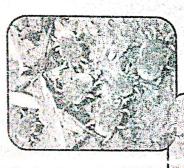


An official publication of the

LIFE SCIENCES

email: editornjls@yahoo.in, slsindiajournals@gmail.com

NAAS RATING 3.73



Prof. R. M. Mishra

Executive Editor

Dr. Shivesh Pratap Singh

Chief Editor

Dr. K. K. Dube Managing Editor

asion at : www.slsjournals.com, www.connectjournals.com

Nutan Mahavidyalaya RELUI Dist Parbhani

Life Science Bulletin, Vol. 17(1&2) 2020: 121-122

ISSN: 0973-5453 (Print), 2321-79

A NEW SPECIES OF THE GENUS RHABDOCONA RAILIET, 1916 (NEMATODA: RHABDOCHONIDAE) FROM INTESTINE OF LABEO ROHITA

R. M. KHADAP

Department of Zoology, Nuthan College Sailu Dist. Parbhani (M.S.)

ABSTRACT: The present communication deals with a new species of the genus Rhabdocona (Railliet, 1916) from intestine of fresh water fish Labeo robita at Sailu dist. Parbhani (M.S.). It differs from the known species having two lines, prostome funnel shaped with four pairs of teeth, Mesotome (vestibule) long and narrow, Oesophagus consists of two portions muscular and glandular, in male caudal papillae 17 pairs, and spicules are unequal in length. In female Vulva is postequatorial, tar is straight and eggs are rounded to oval without polar filament.

Key words: Labeo rohita, Nematode parasites, Rhabdocona parbhaniensis n.sp.

INTRODUCTION

The genus Rhabdochona was created by Railliet in 1916 for Dusardin's worm Dispharagus denudata with from the type of the genus later on few species are added to this genus. R. kashmirensis (Thapar, 1950) have been described from first time in India R. glyptothoracis (Karve and Naik, 1951), R. singi (Ali, 1956), R. mazeedi (Prasad and Sahay, 1965), R. labconis and R. ali (Kalyankar, 1972). The present communication deals with the description of a new species as Rhabdocona parbhaniensis n.sp.

MATERIAL AND METHODS

The nematodes were collected from intestine of *Labeo rohita*. They were fixed in hot 70% alcohol and preserved in fresh 70% alcohol containing 10% glycerine. The worms were cleared in lactophenol and mounted in glycerine. Drawings were made with help of the camera lucida and measurements are expressed in millimeters.

Description: The worms are small, elongated, cylindrical yellowish white in colour. The males are slender and much smaller than the females. Mouth is provided with two lips. Prostome funnel shaped supported by longitudinal thickening projecting four pairs anteriorly as teeth, Mesostome long and narrow. Constant diameter, oesophagus is very long, divided into slender small anterior muscular part and long posterior part is glandular (Fig. 1).

Male: The male is slender and nearly half in length of the female. It is long 7.18-9.25 mm long and 0.16-0.19 mm wide. Head 0.03-0.05 mm in diameter. Two small cervical papliae, quite anterior to nerve ring at 0.02-0.013 mm from anterior extremely. Vestibule thick, chitinous walled 0.14-0.15 mm long and 0.030-0.035 mm long and 0.03-0.04 mm wide and posterior glandular oesophagus 1.77-1.87 mm long and 0.04-0.05 mm wide.

The entire oesophagus is from 2.05-2.15 mm long Tai is conical at the tip 0.071-0.81 mm long; curved ventrally.

Caudal alaez narrow extending up to the tip of tail. There are 17 pair of caudal papliae of which 11 pairs and preanal and 6 pairs are postanal. The spicules are dissimilar in shape and unequal in length. The right spicules is short 0.18 mm and left spicule 0.54 mm length respectively. The two spicule thus have a length ratio 3:1 Gubernaculum absent.

Female : The female is longer than the male, if measures 13.97 body is 0.22 mm. The herd diameter 0.03 mm. The value is located at 9.40 mm from the anterior end/eggs are rounded to oval in shape without polar filaments. They measures 0.032×0.031 mm in length and 0.015×0.016 min width. The distance from the tip to the anus is 0.19 mm.

RESULTS AND DISCUSSION

The present species from all the known forms of *Rhabdocana* (Rallict, 1916) which is mouth projecting four pairs of teeth, spicules are unequal in length pointed tip, caudal papillae 16 pairs (11 pairs are preanal and 6 pairs and post anal). Eggs are rounded to oval without polar filaments. Gubernaculum absent.

It is differs from following species:

- It is differs from *R.kashmirensis* (Thapar, 1950) which is having the spicule are forked at their tip number of caudal papillae 15 pair's (10 pairs are preanal and 5 pairs are postanal), Eggs are polar filaments.
- 2. It is differs from *R.glyptothoracis* (Karve and Naik,1951) which is having 17 pair's caudal papillae. (10 pairs are pre and 7 pairs are post anal) Eggs are polar filaments.
- 3. It is differs from *R.singi* (Ali,1956), which is having 12 pair (7 pairs are preanal and 5 pairs are post anal)
- 4. It is also differs from *R.mazeedi* (Prasad and Sahay,1965). Which is having 17 pairs caudal paillae (12 pairs are preand and 5 pairs are post anal), Eggs in the female without by polar filament or cuticular projections.
- 5. It is differs from *R.labeonis* (Kalyanka 17972) which is having 17 pairs caudal papillae (9 pairs are pre-closed) and

*Corresponding author (email : rmkhadap@gmail.com)

Received 27,10,2020

PRINCIPAL 11.2020
Nutan Mahavidyalaya
PISELU, Dist, Parbhani





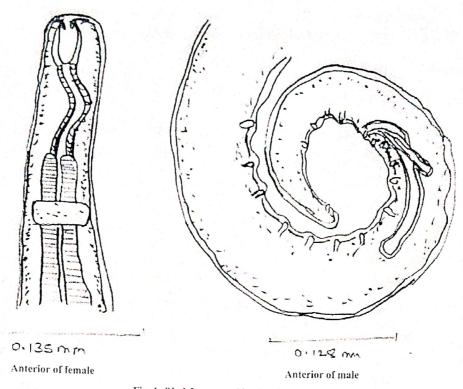


Fig. 1 Rhabdocona parbhaniensis n.sp.

8 pairs are post-cloacal) all are sessile. Eggs embryonated thick shelled and without polar filaments.

- 6) It is also differs from *R.alii* (Kalyankar, 1972) which is having 15 pairs of caudal papillae (7 Pairs are precloacal and 8 pairs are post cloacal), cuticular projections are present on the eggs.
- It is also differs from R.sailuensis, which is having 13 pairs of caudal papillae (08 Pairs precloacal and 05 pairs are caudal papillae) and without polar filaments

Therefore it is regarded as new species and named

Rhabdocona parbhaniensis n.sp.. after the locality.

Type species: Rhabdocona parbhaniensis n.sp.

Host : Labeo rohita
Habit : Intestine

Habit : Intestine Locality : Saliu. Tq. Saliu. dist. Parbhani (M.S.) India

ACKNOWLEDGMENT

The authors are thankful to the Principal, Nutan Mahavidyalaya Sailu, for providing laboratory facilities.

REFERENCES

Ali, S. M. (1956). Indian J. Helmbuth, 8:1-83

Agrawof, V. (1965). Indian J. Helminth, 17: 1-17.

Karve, J. N. and Naik, G. G. (1951). Jour. Univ. Bombay. Biol. Sci., 19(5): 1-37.

Kalyankar, S. D. (1972). Rivista diparassitologia, 33(4): 281-288.

Khadap, R. M. and Jadhav, B. V. (2004). Indian J. Helminth, 22:1-4.

Prasad, D. and Sahay V. (1965). Indian J. Helminthology, 17(1): 43-48.

Thapar, G. S. (1950). Indian J. Helminthology, 11(1): 535-540.

Peer Reviewed Research Journal: Life Science Bulletin, Vol. 17(1&2): 2020

PRÍNCIPAL Nutan Mahavidyalaya SELU. Dist. Parbhani