

Executive Editor Ashok Yakkaldevi

Editor-in-Chief H.N. Jagtap



Welcome to ISRJ

RNI MAHMUL/201 1/38595

ISSN No.2230-7850

Indian Streams Research Journal is a multidisciplinary research journal, published monthly in English, Hindi & Marathi Language All research papers submitted to the journal will be double - blind peer reviewed referred by members of the editorial Board readers will include investigator in universities, research institutes government and industry with research interest in the general subjects.

International Advisory Board

Flávio de São Pedro Filho Federal University of Rondonia, Brazi	Mohammad Hailat Dept. of Mathmatical Sciences, University of South Carolin A iken, Aiken S	Hasan Baktir English Language and Literature cDepartment, Kayseri
Regional Centre For Strategic Studies	29801 s, Sri Abdullah Sabbagh Engineering Studies, Sydney	GhayoorAbbas Chotana Department of Chemistr∳ahore University of Management Sciences [PK
Janaki Sinnasamy Librarian, University of Malaya [Malaysia]	Catalina Neculai University of CoventryUK] Anna Maria Constantinovici AL. I. Cuza UniversityRomania
Romona Mihaila Spiru Haret UniversiţyRomania	Ecaterina Patrascu Spiru Haret UniversityBucharest	Horia Patrascu Spiru Haret UniversiţyBucharest, Romania
Delia Serbescu Spiru Haret UniversiţyBucharest, Romania	Loredana Bosca Spiru Haret UniversityRomania	Ilie Pintea, Spiru Haret UniversityRomania
Anurag Misra DBS College, Kanpur	Fabricio Moraes dalmeida Federal University of Rondonia, Brazil	XiaohuaYang PhD, USA
Titus Pop	Geoge - Calin SERIAN Postdoctoral Researcher	College of Busines&dministration
	Edtorial Board	
PratapVyamktrao Naikwade ASPCollege Devrukh,Ratnagiri,MS In	Iresh Swami dĒax - VC. Solapur UniversiţySolapur	Rajendra Shendge Director, B.C.U.D. Solapur Universiţy Solapur
R. R. Patil Head Geology Department Solapur University, Solapur	N.S. Dhaygude Ex. Prin. Dayanand College, Solapur	R. R.Yalikar Director Managment Institute, Solapur
Rama Bhosale Prin. and Jt. Director Higher Educatio Panvel	Narendra Kadu Jt. Director Higher Education, Pune n, K. M. Bhandarkar	Umesh Rajderkar Head Humanities & Social Science YCMOU, Nashik
Salve R. N. Department of SociologyShivaji University, Kolhapur	Praful Patel College of Education, Gondia Sonal Singh Vikram University Ujjain	a S. R. Pandya Head Education Dept. Mumbai University Mumbai
Govind P.Shinde BharatiVidyapeeth School of Distance Education CenteNavi Mumbai	G. P. Patankar S. D. M. Degree College, Honay á rarnatak	Alka Darshan Shrivastava æhaskiya Snatkottar Mahavidyalaya, Dhar
Chakane Sanjay Dnyaneshwar Arts, Science & Commerce College,	Maj. S. Bakhtiar Choudhary Director,HyderabadAP India.	Rahul Shriram Sudke Devi Ahilya Vishwavidyalaya, Indore

S.KANNAN

Ph.D.-University of Allahabad

S.Parvathi Devi

Awadhesh Kumar Shirotriya SecretaryPlay India Play (Tust),Meerut Sonal Singh

Indapur, Pune

Ph.D ,Annamalai Universit,TN

Satish Kumar Kalhotra

Addr ess:-AshokYakkaldevi 258/34, RaviwarPeth, Solapur- 413 005 Maharashtra, India Cell : 9595 359 435, Ph No: 02172372010 Email: ayisrj@yahod/i/ebsite: wwwisrj.net



DESCRIPTION :

All the worms were small in size, consist of scolex few immature and mature proglicitieds. scolex is medium in size, slightly oval in shape, highly musc**bha**ader than long and measures 0.840-0.965 in length and 0.795-1.169 in breadiline suckers are love in size, ovalin shape, arrangd in two pairs, one pair in each half of the scolex, overlapping in each, otheach pairslightly obliquely placed and measures 0.488-0.613 in length and 0.379-0.454 in breadilinek is long, broad anteriorhyarrow posteriorly longer than broad and measures 1.203-1.306 in length and 0.398-0.568 in breadth.

The mature proglottids are thin, broader than long and measures 0.136-0.193 in length and 2.009-2.021 in breadthThe testes are small to medium in size, oval in shape, all testes are 20 in number in each

Please cite this Article as : D.P. PATIL¹ and P.S. FATIL², The Morphology Of Mogheia Kangaraensis N.SFA New Cestode Form The Intestine Of Capra Hircus (GOAT) At. Kangara(M.S.) India. : Indian Streams Research Journal (Sept.; 2012)



The Morphology Of Mogheia Kangaraensis N.S.FA New Cestode Form

segment, 10 in poral half and 10 in aporal half, each lateral group is again divided in to two fields, by the longitudinal excretory canals and measures 0.034-0.057 in length and 0.023 -0.068 in height in the segments, pouch is small in size, oval in shape, situated either at the centre or in the anterior half of the segments, opens maginally, short, not reaching up to the longitudinal excretory canals, narrow proxibrated posteriorly and measures 0.136-0.182 in length and 0.068-0.103 in breadth. The cirrus is stout, thin, slightly curved, contained within the cirruspouch and measures 0.136 in length and 0.068-0.103 in length and the longitudinal excretory canals and measures 0.136 in length and the longitudinal excretory canals and measures 0.023 in length and 0.068-0.103 in length and the longitudinal excretory canals and measures 0.023 in length and 0.068-0.103 in length and the longitudinal excretory canals and measures 0.023 in length and 0.068-0.136 in length and the longitudinal excretory canals and measures 0.023 in length and 0.068-0.136 in length in size, touching or not touching to the anterior or posterior measures of the segments, bean shaped in appearance, obliquely placed and measures 0.079-0.091 in length and 0.125 in breadth.

The vagina is a long tube situated posterior to the cirrus pouch, runs transvæceselys the longitudinal excretory canals, curved, reaches and opens in to the ootype and measures 0.681 in length and 0.011 in width. The ootype is small in size, oval in shape , placed ventrally of the, **o***w*arryporalside and measures 0.034 in lengt and 0.022 in breactible.genital pores are medium in size, oval in shapeginrater regularly alternate, at the middle or just anterior to the middle of the segments and measures 0.057 in length and 0.022 in breadtfile uterus is medium to gate in size, placed centrally of the segments, attached to the ovary, from aporal side of it and measures 0.386-0.443 in length and 0.045-0.102 in breadth.

The longitudinal excretory canals are narrow and measures i0.0/1dth.

DISCUSSION:

The genus Mogheia was erected by Lopez-Neyra in 1944, as a type species Mogheia orbiuterina (Moghe 1933) from urdoides somervillei. Later on following species added to this genus.

Sr. No.	Name Of Species
1	M. megaparuterin@apoor & Shrivastava,1960
2	M. bayamegaparuterincapoor1967
3	M. asturi Gaikwad & Shinde,1981
4	M. capsychGupta & Sinha,1984
5	M. orioli Gupta & Sinha,1984
6	M. guptaiGupta & parman 985
7	M. govindiShinde, Jadhav & Kadam,1986
8	M. parbhaniensi S hinde, Jadhav & Kadam,1986
9	M. domesticusladhav et.al.1990.

After going through the literature, the worm under discussion, in having Scolex medium, oval, Mature segments are thin, broader than loregtes 20 in number each segment 10 in poral half and 10 in aporal half. Cirrus pouch small, oval, cirrus stout, thin, slightly cuives deferns is short tube, slightly curved. Ovary medium, bean shaped in appearance, vagina posterior to the cirrus pouch.

The worm under discussion fills from M. orbiuterina having testes, rounded, cirrus pouch hardly reaching up to the longitudinal excretory canals, ovary small, poral, compact, parugenine or small, almost circular with large uterus, eggs 3-4 in numbers and found indoides somerviellei.

The present cestode **te** ifs from M. megaparuterina which is having scolex oval, testes 17-28 follicular, encircling the ovary cirrus pouch short, elliptical, receptaculum seminis postero-ventral to ovary, paruterine ogan round, sac like at poral side of uterus, middle of the succeeding segments.

The present form diers from M. bayamegaparuterina which is having the scolex almost oval, testes 4, situated lateral and aporal to ovary in the central medulla, vagina posterior to the ovary and found in Ploceus philippines.

2

The present tapeworm there from M. asturi which is having testes 16-18, situated lateral and

Indian Streams Research Journal/olume 2 Issue 8 • Sept 2012



The Morphology Of Mogheia Kangaraensis N.S.FA New Cestode Form

anterior to ovary cirrus pouch small, ovary small, oval in posterior half of the segment, vagina posterior to ovary, paruterine oganvery big, oval, transversely situated, contaning numerous eggs and found in Asturbadin.

• The present cestode **fdifs** from M. capsychi which is having testes 10-13, on a poral side of ovary, ovary small, aporal, vagina dorsal to longitudinal excretory canals and reported from Oriolus oriolus.

• The worm under discussion the form M. guptai which is having scolex pear shaped, receptaculum seminis present, small uterus, paruterige dage, sac like and reported from gya caudatus.

The present tapeworm **t**#fs from M. govindi which is having scolex small, quadrang **t**#stes 4 aporal, situated in a line, cirrus pouch small, at middle of segment, parut**gaindag**e, oval with many eggs and reported from Passer domesticus.

• The present worm diers from M. parbhaniensis which is having scolex quadrangelates 5, round in shape, aporal in three lines, cirrus pouch small, cylindrical, elongated at 1/3rd from the anterior margin, paruterine medium in size, oval with many numerous eggs and found in Passer domesticus.

The worm under discussion fails from M. domesticusi which is having the scolex quadrangular testes round in shape, more in poral group, cirrus pouch small, ovary crescent shaped, wide, touching to anterior and posterior main of segments in poral half and reported from Passer domesticus. The above noted characters are valid enough erect a new species for the studied worms and hence the name Mogheia kangaraensis n.sp. is proposed after locality

Type species	: Mogheia kangaraensis n.sp.	
Host	: Capra hircus	
Habitat	: Intestine	
Locality	: Kangara, Dist. Osmanabad, India.	

TYPE SPECIMENS :

Holotype and paratype are deposited in Helminthology Labor, all many artment of ZoologyDr. B. A. M. UniversityAurangabad.

ACKNOWLEDGEMENT :

The authors are thankful to the Professor & Head, Department of ZoDog A. M. University Aurangabad, and to the Principal, Bhagwan Collegeti for providing laboratory facilities.

REFERENCES :

Capoor V.N.& Shrivastava V.L.1966. On a new cestode Mogheia Lopez-Neyra, 1944 from the intestine of birds from Lucknow, U.P., India. Ind. J. Hel. 34(1): 50-55.

Capoor V.N. & ShrivastavaV.L. 1966. On a new cestode Mogheia megaparuterina n.spAthanabad, India. Ind. Acad. Sci. B.64 (6) : 293-295.

CapoorV.N. 1967. On a new cestode Mogheia bayamegaparuterina n.sp. from a Indian common Baya, Ploceus phillipinus Linnaeus, from Allahabad, India, with the revision of the diagnosis of the genus Mogheia Lopez-Neyra 1944.

Proc. MatAcad. Sci. India, Sec.B. 37 (1) : 51-53.

Shinde, G.B. & Gaikwad, M. 1981. On a new species of Mogheia Lopez-Neyra 1944 (Cestogaanosomatinae) from Shikra atAurangabad, India.

Marath. Univ J. Sci. (Nat. Sci.) VIII No.2, August, 1990.

Wardle, R.A., Mc Leod, J.A. & Radinovsky. 1974Advances of the Zoology dape worms 1950-1970. University of Minnesota Press, Mineapolis, PIP274.

Yamaguti, S. 1959. Systema Helminthu/ol. II. 1-860.

Indian Streams Research Journal/olume 2 Issue 8 • Sept 2012



3

Publish Research Article

International Level Multidisciplinary Research Journal For All Subjects

Dear Sir/Madam,

We invite original unpublished research paper. Summary of Research Projetc, Theses, Books and Books Review of publication, You will be pleased to know that our journals

are..

Associated and Indexed, India

• OPEN J-GATE

• International Scientific Journal Consortium Scientific

Associated and Indexed, USA

- 🔴 Google Scholar
- 🔴 DOAJ
- EBSCO
- Index Copernicus
- 🔴 Academic Journal Database
- Publication Index
- 🥚 Scientific Resources Database
- Recent Science Index
- 🔴 Scholar Journals Index
- Directory of Academic Resources
- 🔴 Elite Scientific Journal Archive
- Current Index to Scholarly Journals
- Digital Journals Database
- Academic Paper Database
 - Contemporary Research Index Indian Streams Research Journal 258/34, Raviwar Peth Solapur-413005, Maharashtra
 - Contact:- 9595359435
 - E-Mail- ayisrj@yahoo.in / ayisrj2011@gmail.com

