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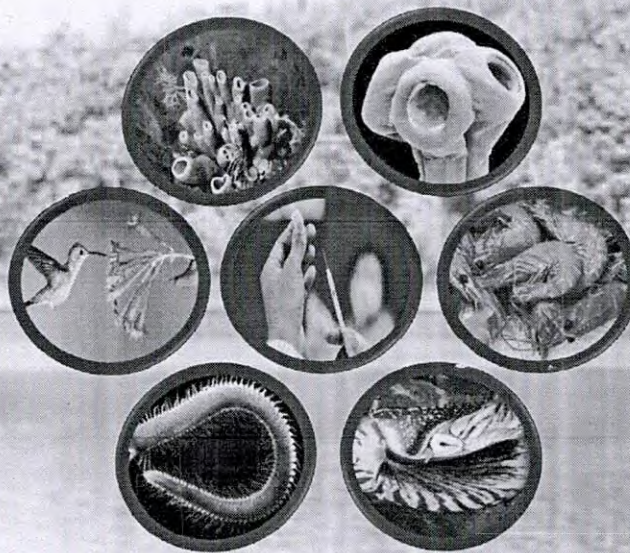
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Terrestrial Biology and Environment during Current Pandemic"  
(ATBE-2021)**

**Organized by  
Department of Zoology  
R. S. S. P. Mandal's Nanasaheb Y. N. Chavan Arts, Science & Commerce College,  
Chalisgaon, Dist. Jalgaon (M.S.) India**

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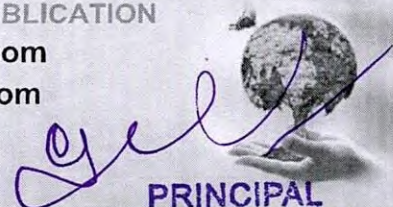


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**PRINCIPAL**

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**A Two-Day International (Web) Conference  
New Vistas in Aquatic & Terrestrial Biology and Environment  
During Current Pandemic (ATBE-2021)**

26 & 27 March, 2021

Department of Zoology R.S.S.P. Mandal's Nanasaheb Y. N. Chavan Arts, Science and Commerce College Chalisgaon,  
Dist. Jalgaon (M.S.) India.

**Taxonomic Evaluation of A New Mammalian Cestode, *Stilesia*  
Ralliet 1893 (Cestoda: Thysanosomidae) Infecting *Capra Hircus*  
At Bhadgaon, M.S., India**

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**ABSTRACT:** The genus *Stilesia* was erected by Ralliet in 1893 with its type species *Stilesia globipunctata* (Revolta 1874) from *Ovis aries*. The present communication deals with a new species *Stilesia bhadgaonensis* is collected from Goat *Capra hircus* at Bhadgaon, M.S., India.

The present form differs from all known species, having characters as scolex dome shaped with four suckers; neck medium; mature segments are wider than long; genital pore irregularly alternate; testes 3-4 in number, unevenly distributed; cirrus pouch medium, oval; cirrus thin, unarmed; vas deference long, coiled; ovary small, single mass, near posterior margin, with acini; vagina posterior to cirrus pouch.

**KEYWORDS:** *Stilesia bhadgaonensis*, Bhadgaon, *Capra hircus*.

**1. INTRODUCTION:**

The genus *Stilesia* was erected from *Ovis aries* in Europe, Africa and Asia as *stilesia globipunctata* (Rivolta, 1874) by Railliet in 1893. Latter on *stilesia hepatica* was added to this genus by Woffhugel (1903) from sheep and goat in east Africa. *Stilesia vittate* was reported by Railliet in 1896 from camelus dromedaries from Africa and India. *Stilesia okapi* was erected as a new species of this genus by Leiper (1936) from Okapi in Africa. It is regarded by Baer (1950) as a variety of *Stilesia globipunctata*. The present article deals with description of *Stilesia Bhadgaonensis n.sp.* collected from intestine of goat *Capra hircus* from Bhadgaon (M.S.) India.

**2. MATERIALS AND METHOD:**

The goat, *Capra hircus* intestines were collected, dissected and parasites- cestodes were obtained. Twenty specimens of tapeworm were collected at Bhadgaon, Dist: Jalgaon (M.S.) All cestodes were flattened and preserved in 4% Formalin, stained in Harris hematoxylin passed through various alcoholic grades, cleared in xylol, mounted DPX. Drawings are made with the help of camera lucida and microphotographs were taken with Olympus camera. All measurements are in millimeters.

**3. DESCRIPTION:**

The scolex is small dome shape broad anteriorly and narrow posteriorly, distinctly marked off from the strobila and measures 0.607 to 0.650 in length and 0.514 to 0.557 in breadth. The scolex bears 4 suckers, unarmed, medium in size, oval to spherical in shape, arranged in two pairs, one pair in each half of the scolex, touching to lateral margin of the scolex, overlapping on each other in each pair and measure 0.300 to 0.342 in length and 0.214 to 0.235 in breadth. The rostellum is absent.

The neck is medium in size, broad anteriorly and narrows posteriorly and measures 0.335 to 0.371 in length and 0.178 to 0.250 in breadth.

The mature proglottids are medium in size, thin, only one set of reproductive organs in each segment, broader than long, almost 13 times broader than long, with distinct segmentation and convex lateral margins, the segments are free at the corners and measure 0.013 to 0.016 in length and 0.183 to 0.186 in breadth.

The testes are 3 to 4 in number on each lateral side, in each segment, medium in size, round in shape, unevenly distributed, outside the longitudinal excretory canals, lateral to the ovary and measure 0.010 to 0.016 in diameter.

The cirrus pouch is medium in size, elongated oval in shape, slightly obliquely or transversally placed, present in anterior half of the segment, open marginally and measures 0.023 to 0.030 in length and 0.016 to 0.020 in breadth.