



SHRAMIK VIDYARTHI DNYANSEVA SANSTHA'S

AMDAR DEEPAKBHAI KESARKAR SCIENCE COLLEGE

(AFFILIATED TO UNIVERSITY OF MUMBAI)

DODAMARG, DIST. – SINDHUDURG 416 512 (M. S.)

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ESTD. – 2012

COLLEGE CODE – 166

Criteria 3

Research, Innovations and Extension

Key Indicator – 3.3 Research Publication and Awards





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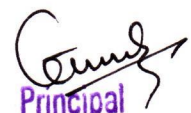
Key Indicator – 3.3. Research Publication and Awards

Metric No. 3.3.2. Number of books and chapters in edited volumes/ books published and papers published in national/ international conference proceedings per teacher during last five years

3. 3. 2. 1. Total number of books and chapters in edited volumes/ books published and papers in national/ international conference proceedings year wise during last five years

Year	2023-24	2022-23	2021-22	2020-21	2019-20
Number	0	2	0	0	0




Principal
Amdar. Deepakbhai Kesarkar Science College
Dodamarg, Tal. Dodamarg, Dist. Sindhudurg

3.3.2 Number of books and chapters in edited volumes/ books published and papers published in national/ international conference proceedings per teacher during last five year

Sr. No.	Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Calendar Year of publication	ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Dr. S. V. More	Nill	Record of the Predatory Stink Bug Andrallus spinidens (Fabricus) (Heteroptera: Pentatomidae: Aesopinae) from Goa State, India.	International Journal of Advance and Applied Reserch	Current Updates In – Science, Social Science and Humanities	International	2022-2023	ISSN - 2347-7075	M. J. M. Arts, Commerce & Science College Karanjali and Global Foundataion Solapur	Young Researcher
2	Miss. A. E. Shetkar	Nill	Record of the Predatory Stink Bug Andrallus spinidens (Fabricus) (Heteroptera: Pentatomidae: Aesopinae) from Goa State, India.	International Journal of Advance and Applied Reserch	Current Updates In – Science, Social Science and Humanities	International	2022-2023	ISSN - 2347-7075	M. J. M. Arts, Commerce & Science College Karanjali and Global Foundataion Solapur	Young Researcher




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RECORD OF THE PREDATORY STINK BUG *ANDRALLUS SPINIDENS* (FABRICUS) (HETEROPTERA: PENTATOMIDAE: AESOPINAE) FROM GOA STATE, INDIA

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Abstract:

During the field visit the predatory stinkbug *Andrallus spinidens* Fabricus, 1787 was recorded from Miramar beach. This is reported for the first time from the Goa state. A few diagnostic characters, some digital images, and the current geographical distribution is given.

Keywords: Hemiptera, Pentatomidae, Aesopinae, *Andrallus*, Goa

Introduction: The carnivorous bug, *Andrallus spinidens* Fabricus, belongs to the subfamily Aesopinae of the family Pentatomidae. This bug was recently observed on Miramar beach, Panaji during the field visit in 2020, in the Goa state. The observed specimen were identified with the help of diagnostic characteristics given in Distant (1902). It is a predator bug, and it is a single species under the genus *Andrallus* Bergroth. *A. spinidens* is easily identified with its dorsal pale yellow color body pattern and dark coarse punctures. It is a carnivorous bug that acts as a biocontrol agent, mainly on lepidopteran larvae, Manley (1982). Previously, this species was recognized as *Audinetia spinidens* in "Fauna of British India" by Distant (1902), after that Distant's nomenclature, Thomas (1994) has given the currently valid name of this predator bug as *Andrallus spinidens*. The predator bug *Andrallus spinidens* is widely distributed in India in the following states, Sikkim, Assam, Meghalaya, West Bengal, Zarkhand, Karnataka and Maharashtra, Ghate *et al* (2012) and is even occurs in abroad viz. Malaya Archipelago, China, Japan, Turkey, Greece, Africa, Syria, Equatorial Guinea, Malawi, Madagascar, Australia, North America and Central America (Thomas 1994). Based on various publications and available literature, this species is not reported previously from the

Goa state. The current short communication adds this species to the Pentatomidae diversity of Goa state.

***Andrallus spinidens* (Fabricius, 1787) (Figures 1-5)**

Specimens examined: Male, 10. i. 2020, Single specimen, the total length of the bug is 13.7 mm (head to the end of the apical segment of the abdomen), and the breadth between pronotal angles is 8.2 mm, Coll. Gauresh Aayeer, near Miramar beach, Panaji, elevation (3m), coordinates (15.4775°N, 73.8121° E).

Diagnostic characters:

The body is slightly elongated, color all over is pale yellow, with a distinct color pattern. The head is somewhat long and its lateral lobes (=mandibular plates) slightly extending beyond the median lobe (=clypeus), punctures are less on median lobe, with pale brownish color, ocelli brown. Antennae are long, brown in colour, five segmented, with brownish hairs; the basal segment is short, not extending beyond the apex of the head. Pronotum brown with whole area covered with thick black punctures, its anterolateral margin is crenulate; lateral angles of pronotum have pointed black spine, with its base having black punctures and short blunt spine; the pale yellow colored median transverse line is seen between the two lateral spines with black punctures near the pronotal calli. Scutellum long, triangular,



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He/She has participated and presented a research paper entitled **Record of the Predatory Stink Bug Andrallus spinidens (Fabricus) (Heteroptera: Pentatomidae: Aesopinae)** from **Goa State, India**.

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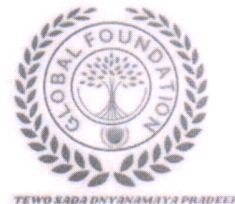


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This is to certify that Prof./Dr./Mr./Ms. *Ayesha Eknath Shetkar*, Assistant Professor, Department of Zoology, Amdar Deepakbhai Kesarkar Science College Dodamarg Sindhudurg Maharashtra has participated in One Day Multidisciplinary International e-Conference on Current Updates In – "Science, Social Science and Humanities" Jointly Organized by the Mahant Jamanadas Maharaj Art's, Commerce and Science College, Karanjali In collaboration with Global Foundation, Solapur (MS), India on Friday, 8th October 2022.

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य.पी. वानखेडकर

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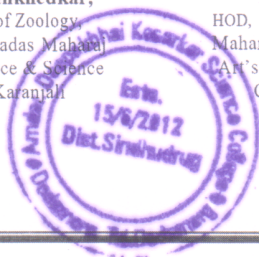
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