

Personal Profile



Name:	Dr. Rashmi P. Joshi (Sawalkar)
Designation:	Assistant Professor
Qualification	M.Sc., Ph.D.
Department:	Department of Zoology, Shri R.L.T. College of Science, Akola.
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Personal Website:	https://sites.google.com/d/1k6H3O3lgX6LRsT2kAYyzDPRtNMLGKA5/p/1XIKu2jMrGmzY40ixj0jmqT_3yTu5fBbJ/edit
Mail:	rashmi.joshi@rltsc.edu.in rashmisawalkar75@gmail.com
Teaching Experience	05 Years
Teaching Expertise:	Entomology and Molecular Biology
E-Content Channel:	https://www.youtube.com/channel/UC44vZ4own11CdZvPnAlopFQ
Research Experience:	12 years
Area of Research:	Sericulture, Entomology, Molecular Biology.
Research Platform Links:	https://scholar.google.com/citations?user=y3fEYbIAAAAJ&hl=en https://orcid.org/0000-0002-6028-416X

Contribution to management of the department and institution through participation in academic and administrative committees and responsibilities (2017-18 to 21-22)

1. Coordinator of Diploma Course in Sericulture
2. N.S.S. Program Officer (Coordinator).
3. Member of NAAC Criteria-VI
4. Member of P.G. Admission Committee.
5. College Coordinator of Unnat Bharat Abhiyan (UBA).
6. Member of Girls Hostel Committee
7. Member of Alumina Association (Committee)
8. Member of Blood Donation Committee
9. Co-coordinator of MUNIJAN Committee.
10. Member of Election Committee.
11. Member of Redressal Committee.
12. Member of Environment Cell.
13. Member of Students Development Committee.

Membership of Academic Organizations:

- Life Member of Indian Science Congress, Calcutta. (ISCA)
- Life Member of Maharashtra Pakshi-Mitra Organisation.
- Core Team Member of ATTBI (Akola All Taxa Biodiversity Inventory)
- Member of SWAS Team (Akola Police Dal)
- Member of

Research, Publications and Academic Contributions:

Invited Talks / Guest Lectures: 12

Sr.No.	Responsibility	Nature of Work
1	Invited talk	Topic: Bioecology of silkworm <i>Bombyx mori</i> and its rearing method. Post Graduate & Research Students at Shri Shivaji Sci. College, Akola on 2/01/2018
2	Invited talk	Topic: Plantation of Mulberry plants (Moriculture) Post Graduate & Research Students at Shri Shivaji Sci. College, Akola on 5/01/2018
3	Invited talk	Topic: Diseases of silkworms, their causes and control measures. Post Graduate & Research Students at Shri Shivaji Sci. College, Akola on 6/02/2018

4	Invited talk	Topic: Bioecology & rearing of Tasar silkworms, Muga & Eri Silkworms. Post Graduate & Research Students at Shri Shivaji Sci. College, Akola on 9/02/2018
5.	Invited talk	Topic: Cocoon Harvesting, Stifling and reeling of cocoons. Post Graduate & Research Students at Shri Shivaji Sci. College, Akola on 23/02/2018
6.	Invited talk	Topic: Structure and Modifications of Nervous System in Insects. Post Graduate & Research Students at Shri Shivaji Sci. College, Akola on 05/09/2018
7.	Invited talk	Topic: Physiology of Nervous System in Insects Post Graduate & Research Students at Shri Shivaji Sci. College, Akola on 19/09/2018
8.	Invited talk	Topic: Nerve Impulses in Insects. Post Graduate & Research Students at Shri Shivaji Sci. College, Akola on 29/08/2018
9.	Invited talk	Topic: Impulse Transmission in Insects. Post Graduate & Research Students at Shri Shivaji Sci. College, Akola on 29 /08/2018
10.	Invited Talk	Topic: Waste to Energy E-Certificate course on Renewable energy resources on 28/05/2020
11.	Invited Talk	Topic: Business Opportunities in waste to Energy Sector E-Certificate course on Renewable energy resources on 30/05/2020
12.	Invited Talk	Topic: How to create and demonstrate Google Classroom on 10/06/2020
13.	Guest Lecture /resource person	Delivered Lecture for Orientation for NSS volunteers on the Topic “College to Village” on Ekta Divas, 31 st October 2020. At Vidyabharti Mahavidyalaya Karad, Satara.
14.	Invited Talk (Seminar)	“Aao Nadi ko Jane Samanvaya” by Jal Biradari Core Team, Akola District. “College to Village” in District Level Webinar
15.	Guest Lecture /resource person	E-Certificate course on Renewable energy resources.

Articles Published/ Edited: 03

Sr. No.	Title of Article	Name of Magazine	ISBN No. of Magazine
1.	Why Bee's Matter?	Info-Science	Vol 1, No.2 (2019)
2.	Silk Milk - A Value Addition to Sericulture	Info-Science	Vol 2, No.1 (2020)
3.	Recycling of Sericultural - Pupae Waste	Info-Science	Vol 3, No.1 (2021)
4.	Utilization of Sericulture Waste for Improvement of Socio-Economic Welfare in India	Info-Science	Vol 4, No.1 (2022)

Research, Publications and Academic Contributions:

A. Number of Research Papers Published in Journals: 18

Sr. No.	Title with page nos.	Journal	ISSN / ISBN No.	Whether peer reviewed Impact Factor, . If any	No. of coauthors
1	Polymorphism of Red Blood Cells in peripheral blood smear of Thalassemia affected person.	National Paripex-Indian Journal of Reaserch 2012	ISSN : 2321-4007	Yes /Peer reviewed/IF Below 1	-
2	A preliminary survey on incidence of seasonal diseases in commercial crops of silkworms in Akola and Washim districts of Maharashtra.	Biosci. Biotech. Res. Comm. Bhopal 'Vol.4 (2) 173-176. Oct.2013	ISSN : 2321-4007 UGC 42929	Yes /Peer reviewed/IF Below 1 Print ISSN: 0974-6455 E23214007	02
3	Total Haemocyte count in Silkworm <i>Bombyx mori</i> (Lepidoptera: Bombycidae) during pathogenic diseases in Akola District (Maharashtra)	Interdisciplinary Research Journal Vol IV / Issue VI / Page.No-29-33; Nov-Dec.2014	ISSN: 2249-9598 UGC 47061	Yes /Peer reviewed/IF Below 1	01
4	PCR based confirmation of viral Flacherie in the silkworm, <i>Bombyx mori</i>)	Biosci. Biotech. Res. Comm. Bhopal . Vol 8(2): 189-192 (2015 Dec. 2015	ISSN : 2321-4007	Yes /Peer reviewed/IF Below 1	01
5	Polymerase chain reaction based detection of Grasserie virus, BmNPV in	Bioscience Biotechnology Research Communications..	ISSN: 2321- 4007	Yes /Peer reviewed/IF Below 1	01

	Silkworm <i>Bombyx mori</i> .	September 2016			
6	Hemolymph Glucose Dynamism in Silkworm <i>Bombyx mori</i> Infected with Grasserie and Flacherie	Environment and ecology. Kalyani.Vol 35 (2C) : 1354—1356, April—June 2017.	ISSN 097-0420	Yes /Peer reviewed/IF Below 1	01
7	Seasonal incidence of Pathogenic Diseases Flacherie in Silkworm <i>B.mori</i> in Vidarbha Region(Maharashtra) Rashmi P. Joshi And I. A. Raja	Trends in biosciences 10(13), UGC enlisted	ISSN 0974-8431, 2425-2428, June 2018	Yes	01
8	Seasonal Incidence Of Pathogenic Disease Grasserie In Silkworm <i>B.Mori</i> In Vidarbha Region (Maharashtra) Rashmi P. Joshi And I. A. Raja	Indian Journal of pure and applied biology. UGC enlisted	0970-2091 July 2018	Yes	01
09	Haemolymph response in silkworm <i>Bombyx mori</i> , during infection with Grasserie. R. P. Joshi And Raja I. A.	IJRBAT, Vol. V.Sp. Issue(2), Vol.V July-2017:137-140	ISSN 2347-517-X	Cosmos IF: 4.395	01
10	Biochemical Changes In Midgut Tissue Of Silkworm <i>Bombyx Mori</i> , During Grasserie Infection. Rashmi P. Joshi (Sawalkar) And I. A. Raja	PARIPEX - INDIAN JOURNAL OF RESEARCH	Volume-8 / Issue-4 / April-2019/ PRINT ISSN No 2250-1991	Index Copernicus Value: 86.18 IF: 6.761	01

11	Variation in catalase activity in the silk worm <i>Bombyx mori</i> during, infection with Bacterial Flacherie	BBRC Print ISSN: 0974-6455 Online ISSN: 2321-4007	Biosc.Biotec h.Res.Comm Special Issue Vol 12 No (4) Aug 2019	Indexed by Thomson Reuters, Now Clarivate Analytics USA ISI ESCI SJIF 2018= 4.186	01
12	Genetic Analysis of Ticks from Livestock of Akola District, Maharashtra, India.	BBRC Print ISSN: 0974-6455 Online ISSN: 2321-4007	VOLUME-12 NUMBER-4 (October-December 2019)	Indexed by Thomson Reuters, Now Clarivate Analytics USA ISI ESCI SJIF=4.186	02
13	Chromosomal Study of Two Araneae: Araneidae Spiders From Akola Maharashtra	PIJR: PRINT ISSN No. 2250 - 1991 DOI : 10.36106/Paripex	Volume 08/ Issue 10 October 2019	Index Copernicus Value: 86.18 IF: 6.761	03
14	A Generalized Approach to Male Genital System in Two Spider Species of Genus <i>Neoscona</i>	Trends in Biosciences 12(19), UGC enlisted	Print : ISSN 0974-8431, 1241-1246.	Yes Peer Reviewed Journal	03
15	Diversity of Different Butterfly Species In Akola Region, M.S., India	(Inter-National) Special Issue no. 70 of Aayushi International Interdisciplinary Research Journal	ISSN 2349-638X	Peer Reveived Impact Factor 6.293	02
16	Quantification of Urea And Uric Acid In Silkworm <i>Bombyx Mori</i> During Grasserie Infection.	(Inter-National) AIIRJ Special Issue no. 70	ISSN 2349-638X	Peer Reveived Impact Factor 6.293	01
17	Extraction of Amino Acids from droppings of Silkworm <i>Bombyx mori</i> .	(Inter-National) Vidyabharati International Interdisciplinary Research Journal (VIIRJ) (Special Issue of National Conference on Recent Advances in	ISSN 2319-4979 Pg.no. 96-100	UGC CARE LIST II.	01

		Chemical Sciences- NCRACS 2020)			
18	Enzyme Alterations in Haemolymph of the Silkworm, Bombyx mori During Grasserie Infection	Bioscience Biotechnology Research Communications Vol 14 No (2) April-May-June 2021	P-ISSN: 0974-6455 E-ISSN: 2321-4007 Pp- 675-679 Article DOI: http://dx.doi.org/10.21786/bbrc/14.2.35	*Indexed in Group “A” of UGC Care List *Clarivate Analytics * Index Copernicus (IC Value: 86.1) *ESCI Web of Science (WoS USA) Thomson Reuters ISI Web of Science.	01

Active Participation in Conference, Symposia and Seminar with paper presentation

Sr. No.	Title of the paper presented	Title of Conference /seminar	Organized By	Level
1.	Hemocyte dynamics in silkworm <i>Bombyx mori</i> infected with Grasserie and flacherie in Akola district. Rashmi Joshi and Dr. I A Raja. <u>1st prize winner in poster presentation.</u>	National symposium on emerging prospective in parasitological research. 20/21/01/17 At Sillod.	Yeshwantrao Chauhan college of arts, commerce and science. Sillod	National
2.	Alternation in hemolymph glucose in silkworm <i>Bombyx mori</i> during seasonal infection with Grasserie viral and bacterial Falcherie. Rashmi Joshi and Dr I A Raja. <u>Poster Presentation</u>	Recent advances and opportunities in biological sciences at Shirpur jain - 17/03/17	Pundlikrao Gawli college of science and arts Shirpur jain.	National
3.	Total hemocyte counts in Silkworm <i>Bombyx mori</i> during pathogenic diseases in Akola district. . Rashmi Joshi and Dr I A Raja. <u>2nd prize winner in oral presentation.</u>	Practices in Sustainable Agriculture, Aquaculture and Animal Husbandry 20/21/03/17 at Latur.	Rajarshi shahu mahavidyalaya autonomous Latur.	National

4.	Haemolymph response in silkworm <i>Bombyx mori</i> , during infection with Grasserie. <u>Oral Presentation</u>	Recent Trends in Science and Technology at Nagpur held on 12, 13, 14th July 2017.	Shri Shivaji Science College, Nagpur	International
5.	Alterations in content of Alkaline Phosphatase and Acid Phosphatase in haemolymph and midgut tissue of the silkworm during Grasserie disease. <u>Poster Presentation</u>	“Recent Trends in Biotechnology and Biodiversity (NCBB-2017)” at Amravati held on 22-23rd Sep.2017	Shri Shivaji Science College, Amravati	National
6.	Quantitative biochemical responses in midgut tissue of silkworm <i>Bombyx mori</i> , during Grasserie infection. <u>Poster Presentation</u>	“Indian Science Congress Association 2017-18” held at Imphal, Manipur in March 2018	ISCA	National
7.	Seasonal incidence of pathogenic disease Flacherie in Silkworm <i>Bombyx mori</i> in Vidarbha region (Maharashtra) <u>Poster Presentation</u>	One day National Seminar on “Natural Heritage and Biodiversity” on 17th & 18th January 2018.	Hislop college Nagpur	National
8.	Extraction of amino acids from faecal matter of <i>Bombyx mori</i> . <u>Poster Presentation</u>	One day National Seminar on “Trends in Biosource Management and nanotechnology” on 26th Oct 2018 at Nagpur.	CSBR.RTM Nagpur	National
9.	Silkworms and seasonal infections in Western Vidarbha: Maharashtra. <u>Poster Presentation</u>	Three days International conference by Humboldt kolleg and RTM Nagpur on “Comparative Endocrinology & Physiology” on 7th, 8th and 9th Jan 2019	Humboldt kolleg (Germany) and RTM Nagpur	International
10.	Variation In Catalase activity in the silkworm <i>Bombyx mori</i> during infection with Bacterial Flacherie. <u>3rd Prize winner in Oral Presentation</u>	Two Days National Conference on “Recent Trends in Life Sciences For Sustainable Development” on 22nd & 23rd Jan 2019 at Amravati.	SGBAU, Dept of Zoology	National

11.	Diversity of Different Butterfly Species In Akola Region, M.S., India <u>Oral Presentation</u>	One day National Conference on “MRST-2020” (24th January 2020)	Shri R. L. T. College of Science, Akola	National
12.	Quantification of Urea And Uric Acid In Silkworm <i>Bombyx Mori</i> During Grasserie Infection. <u>Poster Presentation</u>	One day National Conference on “MRST-2020. (24th January 2020)”	Shri R. L. T. College of Science, Akola	National
13.	Extraction of Amino Acids from droppings of Silkworm <i>Bombyx mori</i> . <u>Poster Presentation</u>	One day E-National Conference on “Recent Trends in Chemical Sciences”	Shannkarlal Khandelwal College, Akola.	National
14.	Seasonal Incidence Of Muscardine Infection, In Silkworm, <i>Bombyx Mori</i> , In Western Vidarbh Region. (Maharashtra) India. <u>Poster Presentation</u>	108th Session of the Indian Science Congress, 2022-2023 by Indian Science Congress Association (ISCA) from 3rd to 7th Jan 2023	R.T.M. University Nagpur.	National

M.Sc. Dissertations: 08

Sr.No.	Titles of Dissertation	Year
1.	Seasonal pests on Mulberry (<i>Morus alba</i>) Plants.	2017-18
2.	Estimation of different amino acids present in excreta (Feces) of silkworm <i>Bombyx mori</i> .	2017-18
3.	Diversity of thrips in different ornamental flowering plants in Akola city	2017-18
4.	Seasonal crop pests of Red gram (Tur) in Akola district.	2017-18
5.	Diversity of different Butterfly species in Akola region.	2018-19
6.	Identification of different amino acids present in Feces of silkworm <i>Bombyx mori</i> through IR-FTIR.	2018-19
7.	Biological control with <i>Trichogramma</i> species: on cotton pest in Akola region	2018-19

8.	Polymorphism of Erythrocytes in peripheral blood smear of Thalassaemic Patients from Akola.	2018-19
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Other Significant Contribution:

1. Coordinator of the one-day workshop of “Cyber Crime and Women Safety” in July 2018.
2. Organizing Committee Member of the one-day workshop of EUREKA (23rd March 2019)
3. Coordinator of Workshop on Development of E-content and e-Class Room. (24th September 2019)
4. Coordinator of Mock-Poll Process for students under state election commission and collector office, Akola (25th September 2019)
5. Course Coordinator of E-Certificate Course in “Sericulture” (11th to 14th May 2020)
6. Organizing Committee Member of National Conference on MRST-2020. (24th January 2020)
7. Organized One Day Virtual Workshop on NEP 2020 and Entrepreneurship development training for students in October 2020 in collaboration with Mahatma Gandhi National Council for Rural Education (MGNCRE)
8. Course Coordinator of E-Certificate Course in “Apiculture” (27th June to 2nd July 2021)
9. Organized One day workshop and interactive session on ‘**Nutritional empowerment during covid pandemic**’ for students and parents **on 12/01/2022 on National Youth Day.**

Declaration

I certify that the information provided is correct as per records available with the University and/ or documents enclosed along with this filled in Proforma.

Name & Sign of the Teacher
Dr. Rashmi P. Joshi (Sawalkar)