

Faculty Profile

Prof. Dr. Sushil Maroti Nagrale

Professor and Head
Department of Zoology
Shri R.L.T. College of Science, Akola

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Personal

1. Date of Birth : 5th April 1975
2. Sex : Male
3. Marital Status : Married
4. Caste and Category : Mahar (SC), Buddhist
5. Nationality : Indian
6. Language Known : English, Marathi, Hindi
7. Address for Correspondence : Department of Zoology,
Shri R.L.T. College of Science,
Civil lines, Akola - 444 001, Maharashtra.
8. Permanent Address : Satyadeo Nagar, Behind Gajanan Welding
Gudadhi, Akola - 444 005, Dist.- Akola, Maharashtra.



Education

1. S.S.C., March-1991, New English High School, Chandrapur, Nagpur Divisional Board, Nagpur, Marks -55.85 %.
2. H.S.S.C., March-1993, Nehru Junior College, Chandrapur, Nagpur Divisional Board, Nagpur, Marks -42.50 %.
3. Bachelor of Science (B.Sc.), Summer-1996, Janta Mahavidyalaya, Chandrapur, Rashtrasant Tukaram Maharaj Nagpur University, Nagpur, Marks – 55.63 %.
4. Master of Science (M.Sc.), Summer-1998, P.G. Department of Zoology, University Campus, Rashtrasant Tukaram Maharaj Nagpur University, Nagpur, Marks – 63.20 %.
5. Bachelor of Education (B.Ed.), Summer-1999, Br. S.K. Wankhede College of Education, Nagpur, Rashtrasant Tukaram Maharaj Nagpur University, Nagpur, Marks – 74.60 %.
6. National Eligibility Test (JRF-LS)-Life Science, June- 2003, UGC-CSIR, New Delhi
7. Doctor of Philosophy (Ph.D.), November-2012, Shri Shivaji College of Arts, Commerce and Science, Akola, Sant Gadge Baba Amravati University, Amravati.
Topic : Some aspects of external morphology, anatomy, histomorphology, embryogenesis, life history and reproduction in mycophagous thrips *Elaphrothrips procer* (Schmutz) (Thysanoptera: Phlaeothripidae)

Achievements

1. State level Ideal Teacher Award from Congress Teachers Cell, Akola (2017).

Recognitions

1. Recognized Ph.D. Supervisor in Zoology of Sant Gadge Baba Amravati University, Amravati.
2. Recognized Ph.D. Supervisor in Zoology of Shri J.J. Tibrewala University, Rajasthan (JJT/2K9/SC/1649, Dt. 20.8.2015)

Teaching

1. Experience ...
17 Years - Shri R.L.T. College of Science, Akola.
02 Years – Sardar Patel Mahavidyalaya, Chandrapur.

Research

1. Area
Entomology, Insect Pest Interaction, Biodiversity, Ecology and Environmental Science
2. Students
Awarded with Ph.D. Degree : 01
Completed Pre Ph.D.-Course work : 01
Registered for Pre Ph.D.-Course work : 02
Guiding for Projects of Postgraduate Studies : 10
3. Publications
Research Papers Published in Journals : 18
Research Papers Published in Proceedings : 02
4. Presentations
Research Papers Presented in Conferences /Seminars : 29
5. Projects
U.G.C.- Minor Research Project Completed : 01 (Rs. 30,000 /-)
Topic : Assessment of insecticidal properties of Parthenium hysterophorus (congress grass) against some mosquito species of Akola city

Orientation / Refresher / Short Term Courses

1. Participated in Orientation Program at U.G.C. Academic Staff College, RTM Nagpur University, Nagpur (20.02.2008 to 18.03.2008).
2. Participated in Refresher Course in Life Science at U.G.C. Human Resource Development Centre, Sant Gadge Baba Amravati University, Amravati (03.03.2010 to 20.03.2010).
3. Participated in Refresher Course in Life Science at U.G.C. Academic Staff College, RTM Nagpur University, Nagpur (20.02.2013 to 13.03.2013).
4. Participated in Short Term Course in Research Methodology at U.G.C. Human Resource Development Centre, Sant Gadge Baba Amravati University, Amravati (11.09.2017 to 16.09.2017).
5. Participated in Short Term Course in Environment Conservation at U.G.C. Human Resource Development Centre, Sant Gadge Baba Amravati University, Amravati (09.10.2018 to 14.10.2018).

Books / E-Books

1. Author
Preliminary study of Mycophagus Thrips Elaphrothrips procer (Thysanoptera: Phlaeothripidae),
Moder Trends in Multidisciplinary subject, Vol-2, ISBN : 978-93-95456-83-8 (December, 2022).

Memberships

1. Life Member of "The Biosphere- an international Biannual Journal of Life Sciences",
National Educational Trust, At.Post.- Ratan Parwali, Dist-Sivan, Bihar
2. Life Member of Society for Technologically Advanced Materials, India (S.T.A.M.I.)
3. Life Member of Maharashtra Pakshimitra, Amravati

Extension Work

1. N.S.S. Programme Officer at Shri R.L.T. College of Science, Akola (2005-06 to 2007-08).
2. N.S.S. Co-Programme Officer at Shri R.L.T. College of Science, Akola (2008-09 to 2010-11).

Community Services

1. Tree Plantation and Preservation, Save Sparrow campaign, District Bird election campaign, Financial Assistance to Poor and Needy Students, Donation in CM / PM and other Funds.

Articles

1. Science Magazine *infoSCIENCE* ...
 - Insect World: Diversity of Thrips
 - Insect World: Diversity of Beetles
 - Insect World: Diversity of Wasp
 - Insect World: Diversity of Ichneumon Wasp
2. College Magazine *Pratibimb* ...

E-Contents

1. PPT's, Videos, PDF, Notes, Question Banks, MCQ Tests through Google Forms, Lectures by Zoom / Google Meet.

Activities

1. Editor ...
 - Science Magazine, infoSCIENCE, Shri R.L.T. College of Science, Akola (2018-19 to till date).
 - Souvenir of National Conference on Multidisciplinary Research in Science and Technology for Healthy Lifestyle Management, Shri R.L.T. College of Science, Akola (24.01.2020).
2. Convener ...
 - State level online workshop on intellectual property rights, Shri R.L.T. College of Science, Akola (23- 29.05.2020)
 - E-certificates course in Apiculture, Shri R. L. T. College of Science, Akola (27.6.2021 to 2.7.2021)
3. Organizing Secretary ...
 - National Conference on Multidisciplinary Research in Science and Technology for Healthy Lifestyle Management, Shri R.L.T. College of Science, Akola (24.01.2020).
 - State Level Online Workshop on Intellectual Property Rights, Shri R.L.T. College of Science, Akola (23-29.05.2020).
4. Co-ordinator ...
 - AVISHKAR – Shri R.L.T. College of Science, Akola
5. Organizing Committee Member ...
 - State Level Seminar on Expanding Wings of Mathematics in the Field of Sciences and Social Sciences, Shri R.L.T. College of Science, Akola (04.01.2010).
 - State Level Seminar on New Concepts of Exercise and its Impact on the Physical Fitness of Individual, Shri R.L.T. College of Science, Akola (05.01.2010).
 - National Conference on Developing Frontiers of Physics, Astronomy and Space Sciences, Shri R.L.T. College of Science, Akola (24,25.09.2010).
 - Sericulture Certificate Course, Shri R.L.T. College of Science, Akola
6. Advisory Committee Member ...
 - National Multidisciplinary Research E-Conference, B.S. Patel Arts, Commerce and Science College, Pimpalgaon Kale (28.05.2022).

Administrative responsibility

1. Chairman / In-charge (College Committees) ...
 - College Exam Committee
 - NAAC Criterion-III, Research Innovation & Extension Teaching Committee (2010-11 to till date)
2. Member (College Committees) ...
 - Admission and Counseling Committee (UG) (2006 to till date) .
 - NAAC Steering Committee (2009-10, 2015-16 and 2016-17).
 - Internal Quality Assurance Cell (IQAC) (2009-10 to till date).
 - Admission and Counseling Committee (2008-09 to 2020-21).
 - Time-Table Committee (2008-09 to till date).

Publications

Research Papers Published in Journals

Period	Title with page nos.	Journal
2012-13	A study of reproductive biology of mycophagous thrips <i>Elaphrothrips procer</i> (Schmutz) (Thysanoptera: Phlaethripidae) (Vol. 4(1):1-4)	The Ecotech: Vol 4(1): 1-4, March 2012
	Life history of mycophagous thrips <i>Elaphrothrips procer</i> (Schmutz) (Thysanoptera: Phlaethripidae) Vol.2(3): 256-259)	Science Research Reporter 2(3): 256-259, Oct.2012
	Observation on mating behaviour in mycophagous thrips <i>Elaphrothrips</i> sp (Thysanoptera: Phlaethripidae)	Indian Stream Research Journal, (Special Issue:11 Jan 2013)
2013-14	Antennal variation in developmental stages of mycophagous thrips species	International Journal of Biotechnology and Bioscience
2014-15	On certain reproductive and morphological aspects of post embryonic development in the thrip, <i>Elaphrothrips procer</i>	Bioscience Biotechnology Research Communication: Vol 7 No 1(2014)
2015-16	General Morphology of Cyrtophora spiders (Family - Araneidae) from Akola region	Golden research Thoughts Journal. Sp Vol 12 Dec 2015. pp42-46
2017-18	Reproductive morphology in mycophagous thrips <i>Elaphrothrips procer</i> (Thysanoptera: Phlaethripidae)	<i>International Journal of Researches in Biosciences, Agriculture and Technology</i> " IJBAT, Special issue (2), Vol.-V, (July 2017)
	A preliminary survey for hard ticks (Acari: Ixodidae) diversity on the livestock in Akola District, Maharashtra	
	Potential Mosquitocide phyto extract of <i>Parthenium hysterophorus</i> (Congress grass) weed plant (Page No. 246-251)	<i>International Journal of Pure and Applied Research in Engineering and Technology</i> IJPRET-2017 (September 2017), Vol.6 (2)
	In silico analysis and homology modeling of TBC1D3 protein (Page No. 257-264)	
	Developmental Variation of <i>Elaphrothrips procer</i> (Schmutz) (Thysanoptera: Phlaethripidae)	International Journal of Current Engineering and Scientific Research (IJCESR). Vol.-5, (1).2018
	Morphological Variation of Thrips insect <i>Elaphrothrips procer</i> (Schmutz) (Thysanoptera: Phlaethripidae)	Aayushi International Interdisciplinary Research Journal (AIIRJ) 2018 Special Issue. No. 25
2018-19	Biological aspects of Mycophagous Thrips <i>Elaphrothrips procer</i> (Schmutz) (Thysanoptera: Phlaethripidae) (Page No. 114-117)	Research Journey International E Research Journal (Feb. 2019), Special issue vol. 110 (G),
2019-20	Insect World: Diversity of Insect Thrips (Pp: 241-243)	Aayushi International Inter-Disciplinary Research Journal Vol. 70(Sp.), 2020
	Carbon Monoxide(CO) ppm Density measurement with high & low heating cycle using MQ7 discrete semiconductor sensor (Pp: 277-279)	Aayushi International Interdisciplinary Research Journal Vol. 70(Sp.), 2020
	Phytochemical and Medicinal uses of <i>Argyrea nervosa</i> plant (Pp: 332-334)	Vidyabharati International Inter-Disciplinary Research Journal Vol. Sp.-NCRACS, 2020
2021-22	Parental care in Insect Thrips mycophagous <i>Elaphrothrips</i> sp (Thysanoptera: Phlaethripidae) (Pp: 0199-0201)	Vidyawarta: Peer reviewed International Journal
	Life history and developmental stages of mycophagous thrips <i>Elaphrothrips procer</i> (Schmutz) (Thysanoptera: Phlaethripidae) (Pp-500-503)	Journal of Emerging Technologies and Innovative Research (JETIR)

Presentations

Research Papers Presented in Conferences / Seminars

Period	Invited talk / lectures / paper presented	Title of conference / seminar	Event organized by
2009-10	Role of statistical methods in experimental biology for result evaluation	Seminar on Expanding Wings of Mathematics in the Field of Science and Social Sciences.	Shri R.L.T. College of Science, Akola.
	Role of mathematics in genetic analysis through pedigree chart.	Seminar on Expanding Wings of Mathematics in the Field of Science and Social Sciences.	Shri R.L.T. College of Science, Akola.
	Role of physical fitness activity to enhance mental health during the menopausal transition.	Seminar on New Concepts of Exercise & its Impact on the Physical Fitness of Individual.	Shri R.L.T. College of Science, Akola.
	Effect of changing landscapes, deforestation and changes in microclimate on litter insect diversity	Conference on Climate change and its consequences	Bhartiya mahavidyalay, Amravati.
	Sewage effect on physical and chemical parameters on Morna river in Akola city	Conference on Climate change and its consequences	Bhartiya mahavidyalay, Amravati.
2010-11	Assessing the Biodiversity of Insect at Katepurna Wild life sanctuary , Akola	Conference on Frontiers in Life Science	Shardabai Pawar MahilaMahavidyalay, Baramati
	Diversity of insect thrips and its host specificity	Seminar on Biodiversity and its conservation: Need of the day	Shri shivaji College Akot
	Biomonitoring and assessing of insects at katepurna sanctuary, Akola	Symposium on Invertebrates for Biomonitoring Ecosystemhealth	Hislop college, Nagpur
	Assessing the host plant specificity of thrips at Akola	Conference on Recent advances in Environmental Biology and Biodiversity	S.S.S.K.R. Innani Mahavidyalay, Karanja (Lad)
2011-12	Efficacy of Plant based repellent against Mosquitoes	UGC sponsored National Conference on "Advances in life Science for Sustainable Rural Development"	Shankarlal Khandelwal College, Akola(11-12 Oct. 2011)
2012-13	Parthenium hysterophorus (Congress grass): A potential mosquitocide.	Proceedings of NCIRTBS,	Shri Shivaji College, Akola (8 th -9 th Sept 2012).
	Mating behavior and parental care in mycophgous thrips <i>Elaphrothrips procer</i> (Schmutz) (Thysanoptera: Phlaethripidae)	Proceedings of NCIRTBS,	Shri Shivaji College, Akola (8 th -9 th Sept 2012).
	Observation on behaviour in mycophagous Elaphrothripssp (Thysanoptera: Phlaethripidae)	Proceeding of National conferences on advances in life Sciences: present and future (AILSPF-2013)	VidyabharatiMahavidyalaya, Amravati. (11-12 Jan 2013),.
	Reproductive biology of mycophagous thrips Elaphrothrips procer (Schmutz) (Thysanoptera: Phlaethripidae)	UGC sponsored National Conf on Recent Trends in Biosciences (27-28 th July 2012)	G.S.College ,Khamgaon.
	Greener synthesis and antimicrobial study of some pharmacologically important acridine derivatives	National Conference "Recent Advances in Agrobiotechnology for Sustainable Agricultural Practices". (5-6 Feb. 2013)	<i>Moolji Jaitha College, Jalgaon.</i>
2013-14	Environmental effect on behavior and life of mycophagous thrips	1. National Conference on Environmental impact and organism response (NCEIOR-2013), 27-28 SEPT 2013.	Dr.R.G. Rathod Arts and Science College Murtizapur
2016-17	Assessment of Phyto-extract of <i>Parthenium hysterophorus</i> (Congress Grass) as a potential mosquitocide	National Seminar on Nanotechnology and Nano engineering (29 Sept. 2016)	<i>Arts, Commerce and Science College, Amravati.</i>

2017-18	Reproductive morphology in mycophagous thrips <i>Elaphrothrips procer</i> (Thysanoptera: Phlaeothripidae)	International Conference on “Recent Trends in Science and Technology: Sustainable Development Through Scientific Approach”	ShriShivaji Education Society’s Science College, Nagpur
	Potential Mosquitocidephytoextract of <i>Partheniumhysterophorous</i> (Congress grass)weed plant	International Conference on “Advances in Science, Technology and Management”	College of Engineering and Technology, Akola
	Developmental Variation of <i>Elaphrothripsprocer</i> (Schmutz) (Thysanoptera: Phlaeothripidae)	National Conference on recent trends in synthesis and characterization of futuristic material in Sciences for the development of society,	Late B.S. Arts, Prof. N.G. Science & A.G. Commerce College, Sakharkherda, Dist-Buldhana.
	Morphological Variation of Thrips insect <i>Elaphrothri -psprocer</i> (Schmutz) (Thysanoptera: Phlaeothripidae)	International Conference on Recent Trends in Science and Technology	S.S.S.K.R. InnaniMahavidyalaya, Karanja(Lad)
2019-20	Understanding the basics of next generation sequencing: revolutionizing research by Insilco analysis	National Conference on Multidisciplinary Research in Science and Technology for Healthy Lifestyle Management(24.01.2020)	Shri R.L.T. College of Science, Akola
	Carbon Monoxide (CO) ppm Density measurement with high & low heating cycle using MQ7 discrete semiconductor sensor	National Conference on Multidisciplinary Research in Science and Technology for Healthy Lifestyle Management (24.01.2020)	Shri R.L.T. College of Science, Akola
	Mobile Photography: New Trends in human life style	National Conference on Multidisciplinary Research in Science and Technology for Healthy Lifestyle Management (24.01.2020)	Shri R.L.T. College of Science, Akola
	Phytochemical and Medicinal uses of <i>Argyria nervosa</i> plant	National Conference on Recent Advances in Chemical Sciences (Online)(01,02.05.2020)	Shankarlal Khandelwal Arts,Comm. and Science College, Akola
2020-21	Introduction to Apiculture-Importance and history (Resource Person)	E-certificate course on Apiculture	Department of Zoology, Shri RLT College of Science, Akola
2021-22	Parental care in Insect Thrips mycophagous <i>Elaphrothripssp</i> (Thysanoptera:Phlaeothripidae)	National Multidisciplinary E-conference on Reboosting, reskilling in teaching and Research	Sitabai Arts, Commerce and Science College, Akola and GNA College, Bhatapara, Raipur (26.2.2022)
	Some aspects of parental care and behavior of insect <i>Elaphrothripsprocer</i>	National Conference on Basics and advances in Biological Science	Dada Ramchand Bakhra Sindhu Mahavidyaay, Nagpur (8-9.04.2022)
	Life history and developmental stages of mycophagous thrips <i>Elaphrothrips procer</i> (Schmutz) (Thysanoptera: Phlaeothripidae)	National multidisciplinary Research E-conference- 2022	Bapumiya Sirajoddin Patel Arts, Commerce and Science College, Pimpalgaon Kale, Jalgaon Jamod, Dist-Buldhana