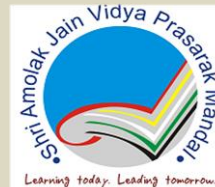




Shri Amolak Jain Vidya Prasarak Mandal's
Smt. S. K. Gandhi Arts, Amolak Science &
P.H. Gandhi Commerce College, Kada,
Tal. Ashti. Dist. Beed. PIN- 414202



Bio-Data

First Name	SUDAM	Middle Name	SHIVAJIRAO	Last Name	JADHAV	Photograph
Designation	Associate Professor					
Address	Department of Zoology Smt. S. K. Gandhi Arts, Amolak Science And P.H. Gandhi Commerce College, Kada, Beed (M.S.)					
Subject	Zoology					
Date of Joining	15/06/2009					
Academic Level	13A					
Phone Number Office	02441-239378					
Mobile Number	9322712079					
Email ID	sudam_jadhav007@rediffmail.com					
Date of Birth	27/07/1978					
Educational Qualifications						
Degree	Institutions				Years	
Ph.D. (Zoology)	S.R.T.M.University Nanded				2005	
M.Sc. (Zoology)	Yeshwant College, Nanded				2001	
B. Sc.	Rajarshi Shahu College, Latur				1999	
Career Profile						
1. Assistant Professor Smt. S. K. Gandhi Arts, Amolak Science And P.H. Gandhi Commerce College Kada – 15/06/2009 to till date 2. On contract basis, Vaidyanath College, Parali (V) in the Academic Year 2007-2008.						
Administrative Assignments						
❖ Member of College Development Committee ❖ Member of Sexual Harassment Committee ❖ Member of Internal Quality Assurance Cell (IQAC) ❖ Member of Student Grievance Cell ❖ Member of Student Welfare Committee ❖ Member of Discipline Committee ❖ Member of Science Association ❖ Member of Web Development Committee ❖ Member of Competitive Guidance Cell ❖ Member of Action Plan Committee ❖ Member of Perspective Plan Committee ❖ Member of Anti Ragging Committee ❖ Member of Research Development Committee ❖ Member of College Grievance Committee						
Areas of Interest / Specialization						
Fishery Science and Physiology						

Subjects Taught
Cell Biology, Biochemistry, Genetics, Molecular Biology
Training Courses
➤ 89th Orientation Programme, ASC Dr. B. A. M. U. Aurangabad ➤ Special Winter School Programme, ASC Dr. B. A. M. U. Aurangabad ➤ Refresher Course in Biological Science, HRDC Dr. B.A.M.U. Aurangabad ➤ Faculty Development Program, MHRD, PMMMNMTT & Shivaji University, Kolhapur
Title of M.Phil/ Ph.D. Thesis
The Acute Toxicity of Mercuric & Lead Nitrate on Freshwater Male Crab, <i>Baritelphusa guerini</i>
Research Highlights
Research on the Acute Toxicity of Mercury and Lead nitrate on The Freshwater Crab <i>Barytelphusa guerini</i> has provided valuable insights into the impacts of heavy metal pollution on aquatic organisms. Here are some notable research achievements in this field: ➤ The acute toxicity of mercury and lead nitrate on the freshwater crab <i>Barytelphusa guerini</i> provided the impacts of heavy metal pollution on aquatic organisms. ➤ Toxicity endpoints as median lethal concentration (LC50) and sublethal effects determined, providing quantitative data on the toxicity levels of mercury and lead nitrate to the crabs. ➤ It has explored the morphological and behavioral changes in <i>Barytelphusa guerini</i> to mercury and lead nitrate. The alterations in the crab's external features, including changes in coloration, shell integrity, and appendage abnormalities are observed. Behavioral responses such as locomotor activity, feeding patterns, and avoidance behavior, provided insights into the sublethal effects of heavy metal exposure. ➤ it focused on the physiological and biochemical effects of mercury and lead nitrate on <i>Barytelphusa guerini</i>. Parameters such as enzyme activities (e.g., acetylcholinesterase, glutathione S-transferase), oxidative stress markers, DNA damage, and histopathological changes in organs are observed. It revealed the mechanisms that heavy metal exposure induces physiological and biochemical alterations in the crabs. ➤ it investigated reproductive parameters such as gonadal development, egg production, and hatching success. This provided insights into the potential impacts of heavy metal pollution on the reproductive success and population dynamics of the crabs.

➤ The ecological consequences of mercury and lead nitrate toxicity on *Barytelphusa guerini* and its habitat. The crabs play a vital role in ecosystem functioning, including nutrient cycling and prey-predator dynamics. The effects of heavy metal exposure on the feeding interactions, competition, and overall ecological functions of *Barytelphusa guerini*, provided insights into the potential implications of heavy metal pollution on aquatic ecosystems.

Books Publications

- Text Book of Bio-Chemistry

Recent Publications

Sr. No.	Title With Page Nos.	Journals	ISSN /ISBN
1	Effect of Mercuric Chloride On Total Protein Of Ovary And Testis Of The Earthworm, <i>Perionyx excavatus</i> 1-4	Applied research and development institute journal	2249-8346
2	Effect of Mercuric Chloride On Total Protein Of Skin And Intestine Of The Earthworm, <i>Perionyx excavatus</i> 16-19	Applied research and development institute journal	2249-8346
3	Antibacterial Activities Of Polychaete perineriescultrifera Pg. 139-141 (Proceeding)	Role of life forms in controlling pollution	978-93-83389-79-7
4	Diversity Of Aquatic Fungi In The Dhanora reservoir District Beed Pg. 149-152 (Proceeding)	Advances in plant sci. For sustainable rural development	978-63415-707-0
5	Effect Of Crude Extract From Marine polychaete capitellacapitata On Larval Settlement Of <i>Balanus Amphitrite</i> Pg. 283-286	Int.J. Pharma and Bio Sciences	0975-6299
6	Diversity ,Distribution Abundance Of Earthworms From Ashti Region Dist Beed Pg. 48-53	Vision research journal for life sciences I.F.3.63	2348-5817
7	Antibacterial Activities of polychaete perineriescultrifera Page 49-50 (Proceeding)	Science for sustainable development K.P.S.college Mumbai Uni.	ISBN 978-81-920431-3-5
8	Copper Sulphate Induced Cgangesin Xanthine Oxidase Activity In Different Tissue Of The Earthworm, <i>Perionyx Excavates</i> Pg. 52-53 (Proceeding)	Science for sustainable development K.P.S.college Mumbai Uni	ISBN 978-81-920431-3-5
9	Bioaccumulation Of Heavy Metal (Mercuric Nitrate) In Tissue Of Fresh Water Crab, <i>Barytelphusa guerini</i> Pg. 21-26	Advances in Pharmacology and Toxicology	0973-2381

10	Toxic Effect Of Copper Sulphate On Lipid Of Freshwater Teleost <i>Garramullya</i> (2010)	Aquacult	0972-2262
11	Effect Of Copper Sulphate On Glycogen In The Freshwater Fish <i>Garramullya</i>	Aquacult	0972-2262
12	Impact Of Copper Sulphate On Protein In The Fresh Water Fish, <i>Garramullya</i>	Jr. Natcom	0970-5945
13	Effect Of Mercuric Chloride On The Heart Beat Of The Fresh Water Crab <i>Barytelphusaguerini</i>	Applied research and development Institute Journal	ISSN:2249-8354
14	Effect Of Zinc Sulphate On The Oxygen Consumption Of Fresh Water Crab, <i>Barytelphusaguerini</i>	Applied research and development Institute Journal	ISSN:2249-8354
15	Impact Of Mercuric Chlooride On Lipid In The Fresh Water Crab, <i>Barytelphusaguerini</i>	Applied research and development Institute Journal	ISSN:2249-8354
16	Quality Of Lentic Water Of Bhategaon Pond In Parbhani District, Maharashtra	Applied research and development Institute Journal	ISSN:2249-8354
17	Copper Sulphate Induced Change In Catalase Activity In Different Tissues Of The Earthworm <i>Perionyx Excavates</i>	Applied research and development Institute Journal	ISSN:2249-8354
18	Copper Sulphate Induced Change In Xanthine Oxidase Activity In Different Tissues Of The Earthworm <i>Perionyx Excavates</i>	Applied research and development Institute Journal	ISSN:2249-8354
19	Effect Of Mercuric Chloride On Glycogen In The Fresh Water Crab, <i>Barytelphusaguerini</i>	Applied research and development Institute Journal	ISSN:2249-8354
20	Effect Of Crude Extract From Marine Polycheatecapitellacapitata On Larval Settlement Of Balanusamphitrite (Cirripedia, Crustacea)	International journal of pharmacology and bioscience	ISSN 0975-6299Impact Factor: 2.98
21	Bioaccumulation Of Heavy Metal (Lead Nirate) In Tissue Of Fresh Water Crab <i>Barytelphusaguerini</i> 145-148	International peer reviewed Scholarly research journal for interdisciplinary studies	ISSN 2319-4766
22	Effect Of Mercuric Chloride On Catalase And Xanthine Oxidase Activity Of Different Tissues Of Fresh Water Crab , <i>Barytelphusaguerini</i> 29-31	International E- research journal Research journey	ISSN 2348-7143
23	Impact of Led Nitrate on Uric acid Excretion of Earthworm Pheretima posthuma	International Journal of Current Science	ISSN 2250-1770

	24	Exploring the role of antioxidant enzyme activates in reducing oxidative stress in the Earthworm <i>Pheretima posthuma</i>	International Journal of Science and Research	ISSN 2319-7064	
	25	Biochemical composition and Nutritional value of Zooplankton in aquatic ecosystem from a <i>Brachinous calyciflorus</i> , <i>Moina Maricopa</i> and <i>Cyprinotus nudus</i>	Uttar Pradesh Journal of Zoology	ISSN 0256-971x	

Research Projects (Major Grants/Research Collaboration)

- Physico-Chemical Parameters of Water And Biodiversity of Zooplankton From The Reservoirs of Ashti Tahashil
- Effect of Cypermethrin On Toxicity, Histopathology, Bioaccumulation And Dehydrogenase Enzymes of Fresh Water Fish *Cirrhinus mrigala* From Sina Reservoir

Awards and Distinctions

Fellowship of Association of Zoologist India

Association With Professional Bodies

Advisory Board On Applied Research And Development Institute Journal

Patents

Machine Learning and Wireless Sensor Networks Based Approaches For Analysis Environment Pollution on Smart Cities. Date of Publication 12/05/2023.

Consultancy

Providing expert advice and guidance on various aspects related to Fish.

Other Activities

- Deliver the lecture on Resume in life long education.
- Attended orientation meeting concern block level stake holder on various aspects concerning with the new education policy of Government. of India
- Worked as Co-ordinator Planning Board of College
- Deliver lecture at Udgir Bar Council, Udgir District Court.
- Worked in Drought Relief Camp at Devalali.
- Participated in ' Paani Foundation Camp'.
- Delivered lecture in Water Literacy Camp at Devali and Lokandwadi.

{Dr. Jadhav S.S.}