



Shri Shivaji Education Society Amravati's

Shri Shivaji Science And Arts College, Chikhli

Department of Zoology

Annual Report 2021-2022

Department of Zoology regularly conducted curricular, co-curricular and extra-curricular activities during the session 2021-22. A brief Report as follows_

International Tiger Day

On the occasion of International Tiger Day, Department of Zoology in collaboration with Rajarsheeri Shahu Science College, Chandur Rly Dist-Amravati organized national webinar on wildlife conservation strategies on the theme their survival is our hands. “On Thursday 29 July 2021. Chairperson for the inauguration was Dr. S. S. Thakrey, Principal- Rajarsheeri Shahu Science College, Chandur Rly. Chief Guest for Inauguration was Dr. Rajesh S. Jaipurkar, Pro-Vice Chancellor, SGBAU, Amravati. The speaker of the programme was Dr. Suhas Kumar (IFS) former principal chief conservator of forest, government of Madhya Pradesh. He focused on India's wildlife conservation strategies and efforts for the conservation of tigers in Madhya Pradesh. Other resource person Mr. Kishor Rithe founder, Satpuda Foundation and member of Maharashtra state board for wildlife. He explained role and responsibility of academic institution towards environment protection post covid-19 pandemic. Dr. M. T. Nikam chaired the panel discussion session of the national webinar.

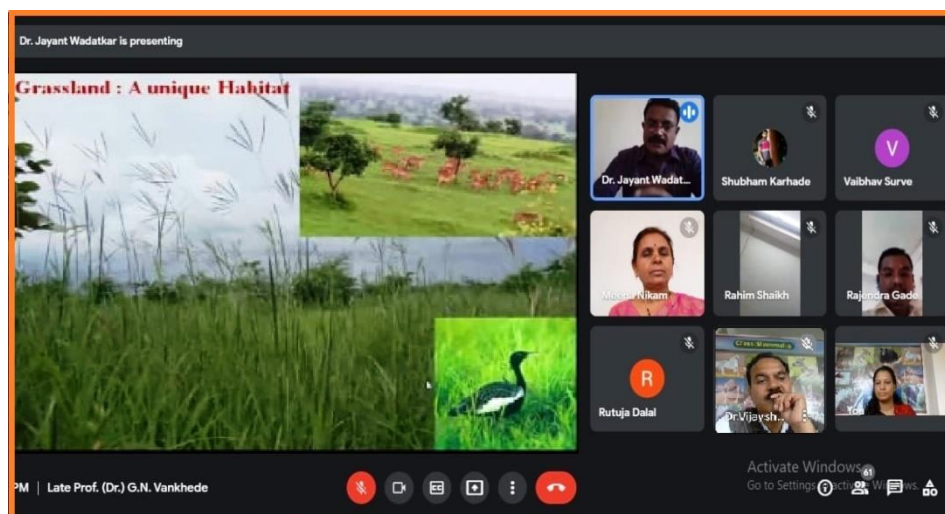
Guest Lecture Series on Green Education

The Department of Zoology organized guest lecture series on green education in the memory of

Late Prof. (Dr.) G. N. Vankhede, Ex Head-PG Department of Zoology Sant Gadge Baba Amravati University, Amravati. The following activities are organized during guest lecture series. Dr. V. M. Hemke was the Organizing Secretary of the Lecture Series.

Sr. No.	Name of Resource Person	Topic	Date	No. of Participant
1	Dr. Gajanan A. Wagh	Green Education- Need of the hour	12 Aug 2021	72
2	Dr. Jayant Wadkar	All about owls	17 Aug 2021	61
3	Dr. Manjusha Wath	Let's take green route to celebrate festivals	27 Aug 2021	74
4	Dr. Shrikant Warhekar	Environment degradation and human health	18 Sept 2021	41
5	Shri Kiran P. More	Lark- The shadow of grassland	21 Sept 2021	46

Theme was, “Environment Education” and Guest Lecture Series got tremendous response from student, academican and naturalist throughout the state.



International Ozone Day

On the occasion of International Ozone Day 16 Sept 2021, the programme of tree plantation was organized in the college campus. Principal Dr. Omraj Deshmukh planted Peepal tree and IQAC co-ordinator Dr. Vanita Pochhi and Dr. M. T. Nikam HoD of the department planted Neem tree.

Dr. Rajendra Gade of Zoology Department and Mr. Swapnil Kale NSS Programme Officer took efforts for the tree plantation programme. Students are also participate during tree plantation.

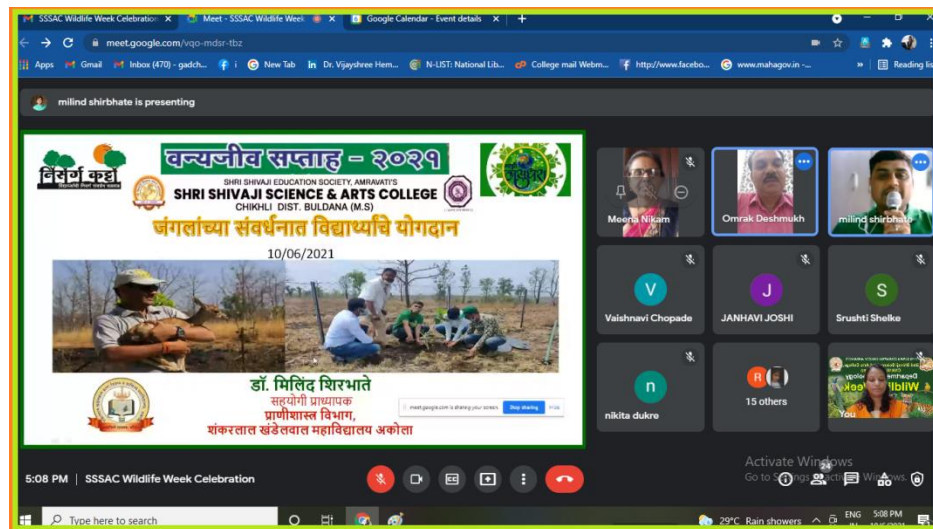


Wildlife Week

Department of Zoology organized invited talk to create awareness about Wildlife Conservation and Protection. Due to pandemic period the programme organized through online mode, on dated 06/10/2021 to 08/10/2021.

- 1 In first seminar Resource person was Dr. Milind V. Shirbhate Associate Professor in Zoology. Shankarlal Khandelwal ASC College, Akola on 06/10/2021. In his talk, 'Role of Teachers and Students in Nature Conservation' he focused on minimum use of natural resources, Use of cotton bags may be the alternative for plastic bags. Creation of positive attitude among students through NCC & NSS for wildlife conservation.
- 2 In second Seminar on 08/10/2021, Resource Person was Shri. Kishor Padol, Range Forest officer Khamgaon. In his talk on "Deforestation & Man-Animal Conflicts" he threw light on Importance of top carnivores such as tiger in food chain. Due to Deforestation, loss of

corridors, rod construction and habitats, man animal conflicts increases. He explained frequent attacks of Wild bears on human and its causes.



World Sparrow Day

World Sparrow Day was organized on 20th March 2022 at Shri Shivaji College here. The theme of the program was **expanding natural habitat of sparrows for sustainable conservation**. The program was chaired by Hon'ble Dr. Omraj Deshmukh, Principal of the College. In his presidential address, he emphasized the importance of Bird Conservation for wellbeing of mankind. During introductory speech, The head of the Zoology Department, Prof. Dr. Meena Nikam said that the students should be aware of the rapid extinction of sparrows or some bird's species and the activities should be implemented for the conservation of birds. The IQAC Coordinator Prof. Dr. Vanita Pochhi, encouraged students for their role in conservation of birds. Dr. Vijayshree Hemke anchored the program. Dr. Rajendra Gade delivered vote of thanks. Mr. Jagdish Ware and Mr. Rahim Shaikh worked hard for the success of this program.



Nest Making Competition (Best from waste)

The Nest making competition was organized for college students. The participated students made Nest from Waste (Best from waste). They use bamboo sticks, fibers of coconut, pipes, broken shell of coconuts, empty box, plastic bowls for making Nest. Students made Nests having attractive structure and can be used by birds.

Add-on Course in Sericulture

To make students aware to understand overall aspects of Sericulture and motivate them to start Sericulture in their Farm. The Department of Zoology organized an add-on course in Sericulture. During course students made aware about Cultivation of Mulberry Garden, Silkworm rearing, Cocoon marketing. 46 students successfully completed the course and got Course Completion Certificates.



Workshop on Sericulture

The workshop on sericulture was organized on 22/04/2022 in the first session Sericulture Project visit was arranged to the farm of Mr. Dattatray Bahekar at Kinhola. The students observed various stages of larval instars of *Bombyx mori*. The resource person of workshop was Shri. Sunildatta P. Phadke, Silk Development Officer, District Sericulture Department. Buldhana. He threw light on modern techniques in Sericulture and Government Schemes to start the Sericulture Project in their Farm.



Teachers Achievement

- 1 Dr. Vijayshree Hemke received “**Eminent Researcher Award**” in a 5th International Conference on Science And Technology for Society at Goa on 19th June 2022.
- 2 Dr. R. B. Gade Granted an **International Patent** on Novel Oral Strip or Thin Film of Diclofenac Sodium and Process for manufacturing the same by German country on 16/02/2022.

Research Activities

Research Center in Zoology	Sr. No.	Students Admitted for PhD course work
	1	Ku. Heena Jabbar Khan
	2	Ku. Swati L. Nalinde

Research Publications:

Sr. No.	Research Paper published/presented	Chapter in Book
Dr. M. T. Nikam	Presented paper: Life style changes and its effect on immunity” Two Days international e-Conference on Boosting Immunity through Yoga, Pranayama & Nutrition	
	Published paper: Food habit and immunity	
Dr. V. M. Hemke	Presented paper: In Silico Study of Phospholipase-A2 from Venom of Four Major Indian Snakes Species” in an International Conference organized by Vedanta PG Girls’ College, Sikar, Rajsthan on 29-31 March 2022.	Seed Dispersal by Birds: It’s Matter for Environment Sustainability- Book title- Sustainable Development for Future: Notion Press Vol-I (An International Publication)
	Published paper: present status and impact of insecticide on honey bees in India: a review in International Journal Of Researches In Biosciences, Agriculture And Technology	Water Conservation -Need of the time. Page No. 523- Book title- Environment Conservation and Woman and Woman Dignity.
Dr. R. B. Gade	Published paper: A Note on Molluscan Diversity of Nighoj Potholes (Kund) Parner	

	Taluka Ahamadnagar District (M.S.) India in Journal of Emerging Technologies and Innovative Research (JETIR)	
--	--	--

Student Activities

Ku. Sakshi Chavan	B.Sc. part II	Participated in 5 th National Level Lonar Science Festival	Late Ku. Durga K. Banmeru Science College, Lonar, Dist. Buldana.	11 th & 12 th March, 2022
Ku. Gayatri Deshmukh		Participated in 5 th National Level Lonar Science Festival	Late Ku. Durga K. Banmeru Science College, Lonar, Dist. Buldana.	11 th & 12 th March, 2022
Ku. Rutuja V. Dalal	B.Sc. part II	Participated District Level Innovative Science Model Making Competition	Shri Shivaji Science And Arts College, Chikhli.	7 th May, 2022
Ku. Aishwarya R. Raut		Participated District Level Innovative Science Model Making Competition	Shri Shivaji Science And Arts College, Chikhli.	7 th May, 2022
Mr. Abhay k. Nikhade		Participated District Level Innovative Science Model Making Competition	Shri Shivaji Science And Arts College, Chikhli.	7 th May, 2022
Mr. Gopal V. Gaikwad		Participated District Level Innovative Science Model Making Competition	Shri Shivaji Science And Arts College, Chikhli.	7 th May, 2022

Extension Activities:

- 1 Department of Zoology conducted, “Blood Group Detection” of the college students.
- 2 Zoology Students regularly check the Haemoglobin percentage of college students as well as completed different projects related to Hb% among pregnant women in society.
- 3 Department of Zoology conducted, “Blood Pressure Measurement” of the college staff and completed different projects related to “BP Measurement” of people in society.
- 4 On 23rd March 2022 Dr. M. T. Nikam delivered a Invited Talk in NSS Camp organized by College at Satgaon Bhusari Topic was- “Snake Bite and First-Aid”.
- 5 On 27th March 2022 Dr. V. M. Hemke delivered a Invited Talk in NSS Camp organized by College at Satgaon Bhusari Topic was- “Wildlife Act-1972”.

Best Practices

1 Vericomposting

Department successfully run the Vermicompost Unit. There is a lot of demand for vermicompost in society prepared by our unit as its use increases quality of agricultural products and its price is cheaper.

2 Installation of Clay Water Pots and Bird Feeder for Birds

On the occasion of World Sparrow Day 20 March 2022, Clay Water pots were installed by the hand of students for birds at the campus. Students were encouraged to install water pots at their houses and around for summer days.



Teachers Activities

Dr. Meena T. Nikam

- Attended National Level Workshop on IPR organized by IQAC, Shri Shivaji Science And Arts College, Chikhli. On 10/07/2021.
- Chaired the panel discussion session of the National Webinar on wildlife Conservation Strategies organized by Rajarsheeri Shahu Science College, Chandur Rly. On 29th July, 2021.
- Attended one day International multidisciplinary e-conference on “Recent Innovation in Science and Teaching” organized by L. R. Bharti Arts, Commerce & Smt. Sushilabai R. Bharti Science

College, Arni Dist. Yavatmal on 12th April, 2022.

- Participated in State Level Workshop on IPR organized by S. P. M. Tatyasaheb Mahajan Arts & Commerce College Chikhli on 22nd April, 2022.
- Completed (One Week) Faculty Development Programme on research Methodology organized by Kamala Nehru Mahavidhyalaya Nagpur on 2nd May to 7th May, 2022.
- Dr. M. T. Nikam Attended Workshop on “Reforms in Zoology Curriculum organized by BOS, SGBAU & Brijlal Biyani Science College, Amravati on 1st July, 2022.
- Acted as a Jury for Research paper Presentation in Technical Session of International e-Conference 29 and 30 April 2022.

Dr. Vijayshree M. Hemke

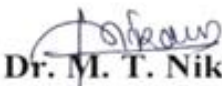
- Worked as a Co-chairperson for Technical Session for Oral Presentations in a 5th International Conference on Science and Technology for Society at Goa on 19th June 2022.
- Working as a Criterion Coordinator for “Criterion-I Curricular Aspects” of NAAC.
- Working as a Coordinator for IIRS-ISRO Outreach Program.
- Worked as a Coordinator of National Institutional Ranking Framework (NIRF-2022). Worked as Program Coordinator for Star College, Proposal submitted to DBT. Government of India.
- Accomplished an Add-on Course in Sericulture as a Course Coordinator.
- Participated in a National e-Conference on Emerging Trends in Life Sciences at Sant Ramdas Arts, Commerce and Science College, Ghansawangi. On 18th Dec 2021.
- Participated in the workshop on Reforms in National Assessment and Reaccreditation Process on 21st March 2022 organized by Shri Shivaji Education Society Amravati.
- Successfully completed 12 week NPTEL Course on “Wildlife Ecology” (July-Oct 2021) With Elite Certification.
- Participated, Presented and published a paper in a 5th International Conference on Science And Technology for Society organized by VMS Research Foundation, on 19th and 20th June 2022 at Goa.
- Regularly Published newspaper articles on “Environment and Wildlife Awareness” in Reputed

newspapers like Sakal, Agrowon, Deshonnati, Janmadhyam.

Dr. Rajendra B. Gade

- Successfully Completed an Online 7th Faculty Induction Programme on 13.12.2021 to 13.01.2022 organized by HRDC Centre, Rani Durgavati University Jabalpur MP.
- Dr. Rajendra B. Gade Published one research article in UGC care list journal.

Thank You


Dr. M. T. Nikam
Prof. & Head
HEAD
Department of Zoology
Shri Shivaji Sci. & Arts College
Chikhli, Dist. Buldana 443201