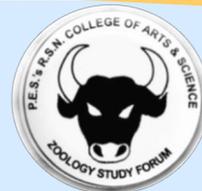




P.E.S.'s R.S.N. COLLEGE OF ARTS AND SCIENCE
DEPARTMENT OF ZOOLOGY
ZOobytes

Volume 1, Issue 1, August 15, 2022



HAPPY INDEPENDENCE DAY



EDITORIAL

It is our privilege to present to the readers the first issue of our departmental newsletter "Zoobytes". The main objective to introduce this newsletter is to provide a platform to the faculty and students members of the department to highlight activities and achievements of the department and recent advances in the field of Zoology. The current issue highlights all of the above. As the release of this newsletter coincides with 75th year of India's Independence, we wish all a very happy independence day and a good reading experience !!!

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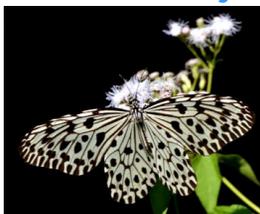
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Faculty Achievements

- Dr. Kiran Gaude, Asst. prof., Dept. of Zoology, successfully defended his Ph.D. viva "Soil nematode diversity in three wildlife sanctuaries of Goa, India" on 13th June 2022. 
- Dr. S. H. Bhosale successfully completed online short term course on "Project/ Land acquisition environmental clearance CSIR and Industrial regulation" offered by dept. of Mining Engineering, IIT Kharagpur India from 7th to 11th December 2021.
- Dr. S. H. Bhosale is a member, in the state level expert appraisal committee, constituted by Ministry of Environment, Forest and Climate change, Government of India in consultation with Government of Goa, from November 2020 to November 2023 (The Gazette of India, New Delhi).
- Dr. S. H. Bhosale is academic council member of UR Academy, Bangalore.
- Dr. Deeparani Prabhu and Dr. Kiran Gaude attended training programme on "Impact of Climate change on Natural resources" (MoRD) from 18-22nd July, 2022, organized by Goa Institute of Public Administration and Rural Development.
- Mrs. Teja Gramopadhye Participated in UGC sponsored Webinar on NEP 2020: Global outreach of higher education organized by University grants commission HRDC Pondicherry University on 26th July 2022.
- Mrs. Teja Gramopadhye Participated in the National level seminar "Impact of NEP 2020 on Higher Education and its challenges: its impact on students, teachers and administration" organized by University College Teachers Association of Goa (UCTAG) in association with Indian Accounting Association, Goa Branch, on 28th March 2022.
- Mrs. Teja Gramopadhye Participated in IP awareness/training program under National Intellectual Property Awareness Mission organized by Intellectual Property Office, India, on February 22, 2022.
- Mrs. Vishwal Kunkolienkar Participated in National webinar entitled "Introduction to forensic science" organized by Ministry of Education on 15th July 2022.



Farewell to the outgoing TY BSc Zoology Batch



Idea malabarica (Malabar Tree-Nymph) was declared as the State butterfly of Goa on 16th December 2021, by the State Forest Department.
 ©Photograph by Dr. Kiran Gaude

Student Achievements

Ms. Samrudhi Phadte (SYBSc B) and Ms. Vinita Naik SYBSc C attended monsoon camp 2022 @ Mollem organized by AERO on 6th and 7th July 2022.

Ms. Samrudhi Phadte (SYBSc B), Ms. Shriya Baganikar (SYBSc C) and Ms. Vinita Naik (SYBSc C) completed the final day of the Trainer workshop for sustainability leaders on Building trainer capacity for mobilising youth as sustainable leaders" on 20th March 2022 at NV Eco Farm.

JOURNEY OF MY LIFE...

By Dr. S. H. Bhosale
 Associate Professor shbhosale60@gmail.com

I was born in a village, Agarkhed of Vijayapur district of Karnataka in the year 1960. I am from an agricultural family. My father was a first-generation learner. During my childhood up to primary education I was with my grandparents, where in I learned life-long values and how to live with the nature. The most interesting journey of my life would be the time when I had to leave my family and grow as a self-dependent individual. (continued page 2)

We can't expect our life to be always according to our wish. There will be ups and downs. I feel no learning of life is less important. The journey of my life during my PUC (XI & XII) education was extremely challenging as my medium of instruction changed from Kannada to English at 1st PUC (XI std). At that point of time, I thought I was struggling more than any other classmates of mine. After qualifying for PUC(XII), I stepped into Dharwad, which is one of the famous educational hubs in the state of Karnataka. As I had distinction marks in the subject of Biology, I was attracted towards life science. I took admission at Karnatak Science College with B. Sc Zoology as major subject along with Botany and Chemistry as minor subjects. Initially it was difficult for me to adjust with a huge population of smart city guys but at the same time I was struggling to keep up with the fast pace of life. The journey of self-dependency was expensive because I used to feel that many people were not so honest. I was a simple boy with my own moral values. During my graduation from 1978-1981, I was molded by my teachers and as a end product, I came out with B. Sc first class from a prestigious Institute. Being a Zoology student, I can say that during the three years of my pupal stage, both histolysis and histogenesis took place and I finally emerged out with beautiful colors. After graduation I was in a dilemma whether to join for service or to go for higher studies. My teacher at U.G. Late Dr. B. C. Kaliwal, who later became Vice Chancellor of University of Davangera, guided me to join for Post-graduation in Zoology at Karnataka University, Dharwad. This was another turning point in my educational career. I was lucky to get an M. Sc seat on merit, that boosted my moral and made me to break my B. Sc score record. At the final year M. Sc I was selected unanimously as General Secretary of Natural History Museum of the Department. I stood first at M. Sc with Entomology specialization and immediately (1983) at the age of 23, I joined for Ph. D in the area of Silkworm Physiology and Biochemistry. During those days Ph. D work in Zoology used to be from Land to Lab, wherein I used to maintain Mulberry plantation at the Botanical Garden and suitable leaves were brought to the laboratory to feed the mulberry silkworms. The reared silkworms of different stages were used for my experimental purpose. My Research guide Prof. V. L. Kallapur, sent me as a short-term research worker to Indian Institute of Science (IISc) Bangalore to learn advanced techniques in physiology. After the completion of four terms of Ph.D., I joined as Lecturer in Zoology in J.S.S Banashankari Arts, Commerce and S.K.Gubbi Science College at Dharwad in the year 1985. After the submission of my Ph. D thesis, I joined as Teacher Gr. I at PES HSS in 1987. In the year 1988, I submitted my thesis to KUD for the award of Ph. D degree. My thesis went to University of Waterloo, Ontario Canada and to the Director of Central Silk Board, Bangalore for the evaluation. I was awarded the Ph. D Degree in year 1989 at the hands of the then Hon'ble Governor of Karnataka Shri Pendekanti Venkatasubbaiah. In the year 1989 I was appointed as Lecturer in Zoology at PES College of Arts and Science, Farmagudi. During my career at PES College, at appropriate time I was promoted to Senior Lecturer, Reader, Associate Professor and Associate Professor and Head. During my journey at PES college along with teaching I have also shared the responsibility as a convenor/member of various important committees such as Internal Quality Assurance Cell (IQAC), UGC-Scheme monitoring committee, Financial Resource committee, Chairman of Students' Council, Study Circle, Stock verification committee, College Documentation center, Placement cell, Research committee, NSS-Committee, etc., I feel education plays a significant role to plan your future as a successful person in life and as a useful citizen in the society. One must remember that success is not just the accumulation of material wealth. I believe that success is not a destination but a ceaseless journey in self-exploration. Education plays a major role in deciding our potential for making this success. As rightly said by W. B. Yeats, "Education lights the inner fire and provides us with the ability to think independently". My journey of research in PES College started in the year 1992 after our college recognized by UGC under 2f & 12b of UGC Act. Our former Principal Dr. A. K. Heblekar encouraged us to apply for UGC and DST projects. In the late 80s in our college, there were only five Ph. D holders, including me. Due to our Principal's encouragement and PES management support, I could complete 07 Research Projects sponsored by DST & E, Govt. of Goa, UGC-New Delhi and Goa state council for Science and Technology and DST & E, Govt. of Goa, as a Principal investigator, Investigator and Co-investigator. In the year 1990 M.Sc. zoology program was started at Goa University. I was recognised as a Teacher of the Goa university for M. Sc (by papers) in Zoology with effect from 1991. Later in the year 2007, I was recognised as Research Supervisor for guiding students to M. Phil research program through Periyar university, Salem, Tamil Nadu. I have successfully guided two M. Phil students, Ms. Deepa Fernandes and Mrs. Teja Gramopadhye. I am on the board of External examiners in Zoology for examining Ph. D thesis submitted to Shivaji university, Kolhapur (M.S) and Bhopal university (M.P). I am a Member of peer committee of Caspian Journal of Environmental Science, University of Gulian Somhe, Sara, 1144, Iran. I visited number of Universities and Research Institutes in the Country during my service at PES College, Ponda. My association with Board of studies in Zoology at Goa university started in the year 1992. I worked under various capacity, such as member of BOS, sub-committee member & co-opted member. I was nominated as Board of Study member of Goa University four times and co-opted as a sub committee member also four times. A total of 16 years, I was associated with the BOS in Zoology and one term of 03 years as BoS member in Environmental science of Goa university. With the support of University and College Teachers Association-Goa, (UCTAG) in the year 2000-2002, I was elected unopposed as a member of Academic Council of Goa university's representative member of Ponda, Sanguem, Quepem and Canacona Talukas. In the year 2002, I worked as member of the committee constituted by Vice Chancellor of Goa university to draft new ordinance; in 2011, I was a member of a committee constituted by VC of Goa university to examine the Statutes pertaining to the formation of Goa university Students' council. I was nominated as member of "OBSERVER TEAM" by VC of Goa university to examine the smooth conduct of University examinations. From 1996, I have worked as member and chairman, BOE in Zoology (Board of examiners) for Undergraduates at Goa University. I have served as member on the Panel as subject experts and also as a Vice Chancellor's nominee of Goa university for the conduct of interviews for Assistant professor at university affiliated colleges in Goa.



I was a member of expert on the screening committee of Goa university, under Career Advancement Scheme (CAS). I had an opportunity to work as a member under the leadership of former Hon'ble Vice -Chancellor of KUD, Prof.S. K. Saidapur, on the Advisory Committee of Goa university in the year 2013-2015 for the Special Assistance Program (SAP) of UGC-New Delhi under DRS-1. I was a member of Editorial Advisory Board of a multidisciplinary peer reviewed research journal of Carmel College, Nuvem. I was a member of prestigious Global Society for Health and Educational Growth, New Delhi. More than 15 state and regional level seminars, workshops, lecture series, National Academies' lecture work shop and certificate courses were organised by me in the capacity of Convenor, Co-ordinator, and member.

I was holding the position in the academic organization as President of All Goa Association of Zoologists (AGAZ), Vice President of Suranandan Bharati-Goa, affiliated to SNB-Kolkata, member of Zoo-outreach organization, Coimbatore, Member of All India Bee-Keepers Association, Pune, Member of Vidyan Parishad-Goa.

Around 22 years back, Prof. M. V. Dixit provided me the opportunity to get involved in the social organization- "Matruchhaya". Later I realized that social work is different from other professions because we focus both on the person and their environment. It gives the satisfaction of relieving people's suffering, fight for social justice and improve lives and communities. Since then, I am associated with social and cultural organizations in Goa. Presently I am serving as Pramukh (President) of an orphanage, Matruchhaya at Dhavali. I am a Vice President of SNB-an Indian Classical Dance Institute, Ponda; Executive member of Maratha Mitra Mandal-Goa.



I was a special member of Bharat Swabhiman trust, Patanjali Yogpeeth, Haridwar, member of Patanjali Yogagram, Bandora-Goa. In the year 2008. Under my guidance, Green book project was awarded 2nd prize at the State level by National Green Corps, supported by Goa state council for science, technology and environment, department of Science, technology and environment, Govt. Of Goa. I am happy to inform you that, my UGC minor research project entitled "Insect species diversity in Ponda Goa was selected by the National science and technology management information system (NSTMIS), Division of Department of science and technology, Govt. of India (DST, Govt. Of India) for the inclusion in the Directories on extra mural research and development project.

I have been included in the Comprehensive data base of experts in India engaged in various environmental disciplines. The data base was prepared by MANPOWER MANAGEMENT CENTER, New Delhi. I was invited by CMS Environment Research House, New Delhi to attend an International workshop on confronting climate change. It was organised in collaboration with Ministry of Environment and Forest, Govt. of India. In the year 2018, I was invited as a resource person to deliver a talk on "Great Indian Scientists" under Nobel series talk at Kala Academy, Panaji. It was organised by Nobel Prize series, India and Vidyan Parishad Goa.

With all my expertise in the field of Environmental Biology. I have been nominated as a Member of Govt. Of India constituted Goa State level Expert Appraisal Committee(GSEAC), Ministry of Environment, Forest and Climate Change, Govt. Of Goa(2020-2023).

During my teaching journey, I had the privilege of teaching 500 H. S. S students and around 5000 B.Sc students with fairly good feedback at both levels in the subject of Zoology in general and Animal Physiology, Cytology, Ecology, Environmental Biology and Wildlife in particular. I am very proud of my family who provided me an opportunity to evolve from a humble rural ambience of North Karnataka to the position of recognition in the state of Goa. After the successful completion of 37 years of teaching, I will be superannuating in August 2022. I conclude with the following quote:

"Success is not always about greatness; it is about consistency. Consistent hard work leads to success. Greatness will come."

-Dwayne "The Rock" Johnson

Received **"BHARAT SHIKSHA RATAN AWARD"** by Global Society for Health & Education Growth, on 29th August 2011 at New Delhi at the hands of Dr. Bhishm Narain Singh, Former Union Minister & Governor of Tamil Nadu & Assam.



A DIVE INTO BRINY DEPTHS by - Arya Dhumaskar , F.Y.BSc "C"

'And who wants to achieve great depths?' A simple yet deep question from our Zoology professor meant so much that perhaps none, except me, could pause their deep thinking before raising their hand. The same question that sparked in me, a curiosity to know about the depths, may it be physical or philosophical. The marine depths are divided into five areas for identification; the names being Pacific ocean (largest), Atlantic ocean, Indian ocean, Southern (Antarctic) ocean and Arctic ocean (smallest). Covering about 70.85% of the earth's surface and being credited for almost 50% of the oxygen produced, oceans serve as dwellings for a variety of organisms. From the tiniest plankton to the mightiest blue whales, and from the transparent jelly fish to the colorful mandarin fish, oceans are a home to more than 200,000 marine species of organisms that have been documented and perhaps two million more that are waiting to be discovered. The photic zone, where the photosynthesis occurs is considered the most biodiverse and is responsible for sustaining most of the ocean ecosystem, the remaining vastness though dark, serves as a habitat for obscure flora and fauna. Oceans are the parts of biosphere that are abodes to the sponges, bioluminescent ctenophores, cnidarians like the sessile corals, crustaceans like crabs, lobsters and prawns, mollusks and apex predators like sharks. Many land animals are sustained by oceans and have thus adapted themselves to spend long hours in and around ocean. Aves like Seagulls, Shearwaters, Petrels, Albatrosses, Cormorants, Murre, Gannets, Razorbill, Auklet and Penguins are some among the many seabirds that prey on marine organisms and are well adapted to ocean life. Polar bears, Otters, Walruses, Seals, Sea Lions, Manatees, Dolphins, Whales, Porpoises, Hippopotamus are members of a huge list belonging to marine mammals. The key primary producers of the ocean are phytoplankton, along with other producers like mangroves, sea grasses, algae, diatoms, dinoflagellates and autotrophic bacteria. Fishing industry thrives due to commercial fishes like Cod, Salmon, Tuna, Herring Mackerel, Sardines, Carps that are considered as delicacies as well as rich sources of various nutrients. Oceans are reserves of heat and immense energy serving as tidal power, wave power, petroleum deposits and ocean thermal energy. Sea travel which was once just a fantasy tale is today joining places separated by the walls of the waves. Sea ports are bustling with traded goods and with people wanting to use travelling as a method of recreation, as sea voyage is much more affordable and secure with the advancement of technology. Nothing comes without its consequences so does this advancement. With growing desire for exploration, comes the encroachment of oceans, pollution and overexploitation. The released toxins lethally affect marine life due to change in the pH and temperature. Plastic that is dumped impulsively by the rather conscious humans can be ingested by the organisms, thereby creating adverse complications, while entangling and suffocating are further horrendous ill-effects. The ghost nets left behind by man after quenching his thirst for overfishing continue to kill animals. Populations of organisms are further wiped out by changes in their natural habitats.



A report on short term certificate course "Value Added Fish Products"

The department of Zoology conducted a short term certificate course on "Value Added Fish Products" from 4th July 2022 to 9th July with 23 participants. Resource person for Day 1, 4th July 2022, were Mrs. Julie Souza, local entrepreneur and Mrs. Vishwal Kunkolienkar. Mrs. Julie Souza demonstrated the preparation of fish molho and fish Parra to the student participants. Mrs. Sunetra Talaulikar, Subject matter specialist, from Krishivigyan Kendra, ICAR, Old Goa was the resource person for day 2. On day 3 and 4, Mr. Pradeep Gawas, Assistant Superintendent, Dept. of fisheries was the resource person. On these two days, the participants learned the preparation of Prawn Pakora, fish Chakli, fish sev, fish samosa, fish soup and fish sandwiches. On day 5, the participants visited the KVK, ICAR, Old Goa. They learned the preparation of fish papad, soup powder and fish balls. On day 6, the participants had an enlightening session by Mr. Atul Dessai, Food Safety Officer, on licensing, registration, hazard analysis and critical control point.

The course was assessed continuously. For the theory session, the resource persons conducted the evaluation through MCQ's and from the practical component, the participants were told to prepare and present some of the value added fish products they had learnt during the course.



The Maiden Tourists of Goa by Arzoo Shaikh, FYBSc C

Have you ever pondered why the beautiful Yellow billed and dark green headed Mallard are found near mudflats between Divar and Chorao only during the winters? It is because it's a migratory bird which comes all the way from Eurasia. Bird migration is the natural seasonal movement, often south and north along a flyway, in between the breeding and wintering grounds. It is a type of adaptation mechanism. As the daylight shrinks and food supply dwindles at the breeding sites, over 475 species of birds migrate to India. Goa being a coastal region near the western ghats caters over 180 species of migratory birds like the Eurasian Wigeon, Spot-Billed Duck, Mallard, Northern Shoveller, Northern Pintail, Gadwall, Cotton Pygmy-Goose, Comb duck, Jungle bush Quail, Blue-breasted Quail and many more are found in the marshy mangroves and wetlands of Curtorim, Maina, Raia, Ribandar, Chorao, Valpoi and Baga creek. The most notable one is the Rain Quail (*Coturnix coromandelica*) a monsoon visitor; its distinctive calls start in June-July and last into October-November. Sites in Goa where it's most reliably found are western Divar and the agricultural plains of Saligao. Northern Shoveller (*Anas clypeata*) is an uncommon but regular winter and dry season tourist since 2008 found in the saline Carambolim -Dhado wetlands. Common Hoopoe (*Upupa epops*) migrates mainly during winter and dry season found in open country, specially dry, harvested paddy field and abandoned cultivation. Migratory birds help in pollination leading to biodiversity along their routes. The droppings of such birds known as guano acts as organic manure. They serve as food source of other wildlife and are a source of recreation for bird watchers. However the rapid climatic changes have led to the changes in time of migration, breeding as well as population decline. This has also led to the expansion in the form of former vagrants becoming established or regular migrants. The migration of birds also aids the movement of other species, including those of ectoparasites such as ticks and lice which in turn may carry microorganisms including those of concern to human health. Due to the global spread of avian influenza, bird migration has been studied as a possible mechanism of disease transmission. Some viruses that are maintained in birds without lethal effects, such as the West Nile virus may however be spread by migrating birds. Some predators take advantage of the concentration of birds during migration. For example Greater noctule bats feed on nocturnal migrating passerines.



INDIAN BULLFROG by Shreyasi Sindgikar, SYBSc "C"

After hot scorching summer days, we Goans embrace the first spell of the monsoon showers in the month of June. Well having said that who doesn't crave for these gentle sprinkles with some *garam chai* and *crispy hot onion pakoras* against the backdrop of the mighty Dudhsagar coupled with the significant train-rattle of the peacock and **THE VERY ICONIC PETRICHORE?** Ohh!! my goodness! The crockle of the frog adds on to both the beauty and the wilderness of the monsoons heralding not-so-high on the mighty Sahayadris...



Well not just you and me, the amphibians, especially the frogs, specifically the INDIAN BULLFROG romanticises the rains too. As we slip into our cozy warm monsoon blankets, the Indian Bullfrogs just emerge out of their long hibernation looking around for a compatible mate. Well this is when they unintentionally catch the attention of their poachers. Since they are in a hazy state to realize their surroundings and be fully aware after a long period underground, they make themselves vulnerable to illegal poaching. The *Hoplobatrachus tigerinus* or the Indus valley frog, also known as Indian Bullfrog, is a large species of frogs and is one of the 117 endemic amphibian species. Talking about their characteristic features, these frogs grow up to 6.7 inches in length, their heads longer than their width. Coming to colour, they are usually green or brown with dark spots for a perfect camouflage. Typically adapted to fresh water environments, wetlands and paddy fields, they possess short forelimbs and long

webbed hindlimbs. Talking specifically about males, they possess nuptial pads on first finger and two bright blue coloured vocal sacs on either sides of the throat and a bright yellow coloured body during mating. The females have a heavy and long body. Tadpoles on the other hand, are speckled black with darkly coloured tips. Venturing around on the Andamans, Madagascar, Bangladesh, Afghanistan, India, Pakistan, parts of Malaysia and Indonesia, they eat anything and everything that fits in their mouth like earthworms, ducklings, flies, centipedes, small frogs, small fishes as well as mosquito larvae. But friends remember as we enjoy the monsoons through our windows, these amphibians are poached illegally for their meat. The Indian Bullfrog is a protected species under schedule IV of the WILDLIFE PROTECTION ACT 1972, which is why its poaching leads to life imprisonment. As they say a forbidden fruit is always sweeter; in Goa two species namely Indian Bullfrog and Jerdon's frog are in high demand as local monsoon delicacies in local markets. These delicacies dubbed as "*Jumping Chicken*" are sold under the table only to trusted customers in exchange of hand-some silver. This rampant poaching and over consumption has led to a shortfall in their population in the state. Amphibians are pest controllers and maintain ecological stability in the environment.

Cont...pg. 6

INDIAN BULL FROG

Hence campaigns like **SAVE THE FROG** launched by local environmentalists along with some NGOs in collaboration with the forest department, Government of Goa, are a ray of hope to these speechless beautiful creatures. These people write articles, spread awareness by conducting workshops in schools and colleges, promote green environment and undertake many such activities. According to environmentalist, Mr. Nirmal Kulkarni, regulating the use of chemical fertilisers and pesticides to maintain suitable pH, temperature and chemical composition of water bodies to make them suitable for amphibians to carry out their reproductive cycle will surely make the amphibians' life a heaven out of hell. March 20th of every year is observed worldwide as **INTERNATIONAL FROG DAY** to remind us of these beautiful creatures, we share our Earth with. Such **DAY-OBSERVATIONS** should be made more viral on social, print, as well as electronic media to remind *humans to be humane and responsible*.

Results of Wildlife Week 2020-21

Wildlife origami competition

First place: Sameenabanu Rehamankhan Khanjade of F. Y. B. Sc.

Second place: Diplavi Dilip Naik of S. Y. B. A. and Lakisha Tukaram Gaunekar of T. Y. B. Sc.

Third place: Tejal Dilip Bandekar of S. Y. B. Sc.

First Consolation Prize: Divya Mahesh Sawant of S. Y. B. A.

Second Consolation Prize: Vrushila Gajanan Naik of F. Y. B. Sc.

Macro Photography competition- Theme "Teeny Tiny animals"

First place: Priyanka Shashikant Satarkar of T. Y. B. Sc. and Utkarsh Sudesh Naik of T. Y. B. Sc.

Second place: Navita Shashikant Gaude of T. Y. B. Sc., Sadeeksha Sawant of F. Y. B. A. and Sonal Suresh Naik of T. Y. B. Sc.

Third place: Tejal Dilip Bandekar of S. Y. B. Sc. and Pratik Shablo Gaude of T. Y. B. Sc.

First Consolation Prize: Sameenabanu Rehamankhan Khanjade of F. Y. B. Sc.

Second Consolation Prize: Aakanksha Alias Aarya Pradeep Prabhu of T. Y. B. Sc.

Comic Strip competition- Theme "Jungle Humour"

First place: Tejal Dilip Bandekar of S. Y. B. Sc.

Second place: Vrushila Gajanan Naik of F. Y. B. Sc.

Third place: Arya Somnath Verenker of S. Y. B. Sc.

Consolation prize: Diplavi Dilip Naik of S. Y. B. A.

Canvas Painting Competition- Theme "Masters of Air"

First place: Ganadhis Umesh Naik of T. Y. B. Sc.

Second place: Gajesh Dayanand Gaonkar of T. Y. B. Sc.

Third place: Chiara Rodrigues of F. Y. B. Sc.

First Consolation Prize: Sejal Sudhir Naik of F. Y. B. Sc.

Second Consolation Prize: Amisha Prakash Naik of T. Y. B. Sc.

Short film making competition- Theme "Unfolding the story of Wildlife"

First place: Vrushila Gajanan Naik of F. Y. B. Sc.

Second place: Sonal Suresh Naik of T. Y. B. Sc.

Monologue competition- Theme "Watchout my extinction is not far!"

First place: Vrushila Gajanan Naik of F. Y. B. Sc.

Second place: Aisha Samir Khan of F. Y. B. Sc.

Wildlife inspired costume designing competition- Theme "Style the Wild"

First place: Snehal Kamble of T. Y. B. Sc.

Second place: Krupa Jamdar of T. Y. B. Sc.

Third place: Fiolla Desouza of F. Y. B. A.

FACULTY EDITORS:

Dr. Socorinha D'Costa, Dr. Kiran Gaude and Ms. Karishma Naik



Comic strip By: Ms. Tejal Bandekar T. Y. BSc.



A warm welcome extended to the current batch of T.Y.BSc Zoology students by the Zoology department.

FACULTY OF DEPARTMENT OF ZOOLOGY

Dr. S. H. Bhosale	Dr. Socorinha D'Costa
Mr. G.P.P. Khanolker	Dr. Kiran Gaude
Ms. Deepa Fernandes (HOD)	Mrs. Karishma Naik
Mrs. Teja Gramopadhye	Ms. Supriya Gawade
Dr. Deeparani Prabhu	Mrs. Peyusha Fernandes
Mrs. Vishwal Kunkolienkar	Mrs. Tanvi Naik

DISCLAIMER

The opinion and news appearing herein are those of editor and not necessarily those of the principal or the management. The information given here are only for general reading. – Editor. Contact us at: succorinad452@gmail.com