

**POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS
SECTOR-11, CHANDIGARH**



COURAGE TO KNOW

**Department of Zoology: Jeevansh
(Session:2020-2021)**

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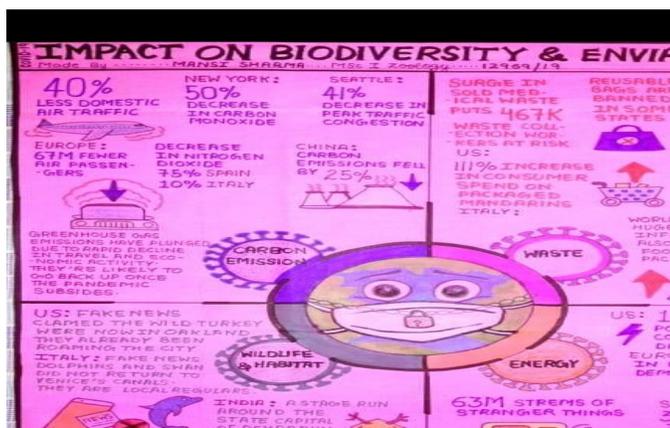
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UBhanti,

Anausha
Principal
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Sector 11, Chandigarh

DST Sponsored E-Poster Making Competition: Connecting through Science during Covid-19, Pandemic

Department of Zoology and Community Hygiene and Public Health Society organized an E-Poster making competition on theme 'Connecting through Science during Covid-19, Pandemic' sponsored by Department of Science & Technology & Renewable Energy, Chandigarh Administration under the scheme 'Popularization of Science' (DST) on **18th September, 2020**. The theme implied to public understanding of science and disseminates scientific knowledge especially during COVID-19 crisis. About 30 students from B.Sc. II, B.Sc. III and M.Sc. II Zoology participated in the competition. The e-posters were received through e-mail and best two prizes were declared for the same that displayed how the science communication has emerged as a powerful tool for managing public health during the pandemic.



E-Poster making competition

Wildlife week

Department of Zoology in collaboration with the environmental society of Post Graduate Government College for Girls, Sector 11, Chandigarh organized a week long Wildlife week from **2nd October, to 8th October, 2020**. Following activities were organized:

Documentary on wildlife Conservation, Inter college mimicry competition, Inter college poster making competition, Inter college logo design competition, Inter college slogan writing competition, Inter college wild life photography competition, Webinar on wildlife conservation: Dr.Umesh Bharti, spoke on 'Wildlife – An Essence of Nature'. About 150 students participated in this event.



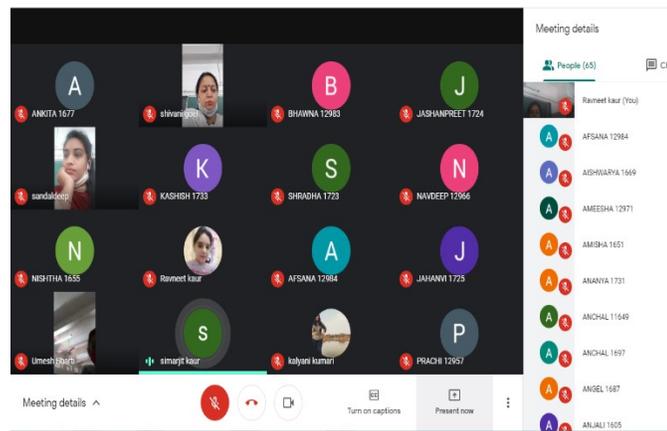
Inter College Poster Making Competition



Resource Person interacting with the students

Spotlight on Mosquitoes'

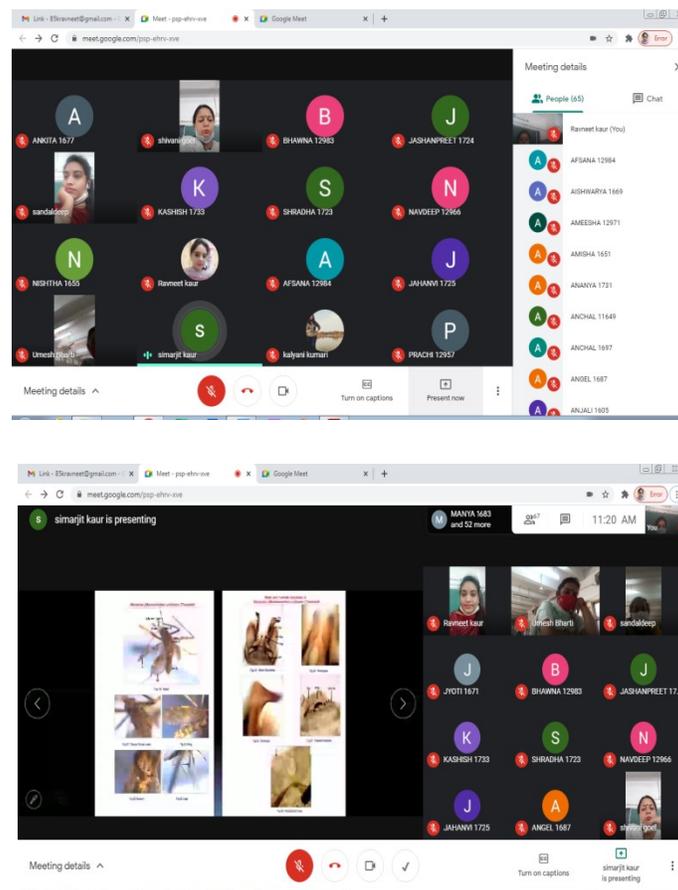
Department of Zoology And Community Hygiene and Public Health Society organized a Webinar on theme 'Spotlight on Mosquitoes' from **21st October, 2020 to 24th October, 2020** (11 A.M. onwards) to mark the 'International Development Information Day'. In the sequence of events, four competitions were held in which 52 students participated from undergraduate and post graduate classes. The competitions included E-Quiz (21st October), photography (20th October), essay writing (23rd October) and power point presentations (24th October).The judgment for the prizes for four events was done by the subject experts, Mrs. Simmi Sharma, Dr. Umesh Bharti and Dr. Shivani Gupta. Two prizes for each event were declared.



Webinar on theme 'Spotlight on Mosquitoes'

Lecture on ‘New approaches to manage the major vector species of family Culicidae’

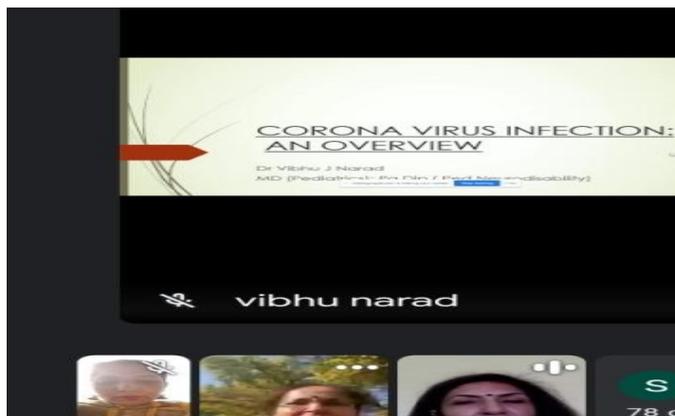
A lecture was delivered on **24th October, 2020** by Dr. Simarjit Kaur (Assistant Professor, Department of Zoology, PGGCG-11 Chandigarh) on ‘New approaches to manage the major vector species of family Culicidae’. The speaker emphasized on the strategies to control vector and to encourage researchers for future surveys on mosquitoes, particularly the vectors of emerging arboviruses. The webinar hosted a participation of around 80 students. The link of the webinar was shared on google meet as: <https://meet.google.com/psp-ehrv-xve>



Screenshots of online webinar

Webinar on theme “Coping with Covid19: After one year”

The Community Hygiene and Public Health Society and Department of Zoology of Post Graduate Govt. College for Girls, Sector-11, Chandigarh organized webinar on theme “Coping with Covid19: After one year” on **24th December, 2020**. The honorable Principal Ma’am Prof. (Dr.) Anita Kaushal was the chief guest of the event who gave her inaugural address emphasizing “that for many people, the pandemic is a source of fear – but it can also be a source of hope that we can defeat COVID-19. There is a lot of hope, especially with the advent of the vaccines that have been announced in the last few weeks” and invited the keynote speaker, Dr. Vibhu J. Narad. Dr. Narad gave an elaborated talk covering the entire concept related to Covid19 which included its origin, spread, symptoms, immunity and latest research on vaccine. The webinar had four subthemes too viz., role of yoga and exercise in immunity boosting; impact of eating habits during lockdown; Ayurveda and covid; vaccine for covid. The students of B.Sc. (Medical) and M.Sc. (Zoology) gave power point presentations on these subthemes. A total of 90 participants including staff members of Department of Zoology and students attended the webinar.



Screenshots of online webinar

Talk on “Opportunities for students of Life Sciences”

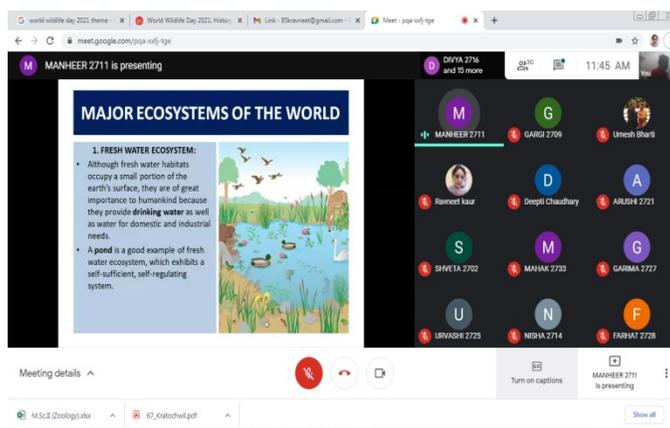
Under the able guidance of worthy Principal Ma'am Prof. (Dr.) Anita Kaushal, Community Hygiene and Public Health Society and Department of Zoology of Post Graduate Govt. College for Girls, Sector-11, Chandigarh organized talk on “Opportunities for students of Life Sciences” on **19th February, 2021** at 10:30 a.m. onwards. The talk was delivered by one of our alumnus Miss Aastha Mehta. She is a bright student who made our college proud by ranking first and become university topper of M.Sc. (Zoology) of her batch. Miss Mehta in her talk highlighted the various fellowships like DST- Inspire where students can apply and also mentioned about competitive exams like UGC-NET, IFS and other entrance tests of various universities for doctorate programmes where students can join for higher studies. She also discussed with students of M.Sc.- I (Zoology) about syllabus of UGC-NET and updated them with latest books and websites, coaching institutes from where they can take help to clear these exams. As many as 50 participants including staff members of Department of Zoology attended this talk.



Talk was delivered by one of our alumnus Miss Aastha Mehta

World Wildlife Day

Department of Zoology and Community Hygiene and Public Health Society organized a power point presentation for two days **3rd & 4th March, 2021** to celebrate the theme of World wild life day, 2021 "Forests and Livelihoods: Sustaining People and Planet." The topic of presentation 'Ecosystem and sustainable life' intended to raise awareness about the world's wild animals and plants and to discuss the threats they face. The participants also highlighted the issues such as urbanization, poaching, pollution, ecosystems, destruction of wildlife habitat, and the ways humans contribute to conservation efforts. A total of 27 students from M.Sc. Zoology participated and stressed to rejuvenate this awareness among humans. The judgment for best three presentations was done by Dr. Umesh Bharti (Associate Professor) and Ms. Deepthi Chaudhary (SRF, Panjab University, Chandigarh) at the end of session.



Presentation on 'Ecosystem and sustainable life'

World No Smoking Day

Under the able guidance of Prof. (Dr.) Anita Kaushal, – Department of Zoology and Community Hygiene and public health society of Post Graduate Government College for Girls, Sector 11, Chandigarh organized an Extempore on ‘World No Smoking Day’ on **10th March, 2021** with theme ‘Quit Smoking...Else it will Kill you’. This day, first started in 1984 in the United Kingdom on the day of Ash Wednesday is observed every year on the second Wednesday of March to help smokers who want to quit smoking and also to raise awareness about the health effects of smoking in daily life. Post graduate students of zoology department presented their views through virtual mode with an objective to spread awareness and educate people about the impact of tobacco on physiological health and psychology. The motto behind this day celebration is to help people to quit smoking forever. A video was compiled and shared on a common platform of college to spread the theme. Around 60 students participated in this event.



Extempore on ‘World No Smoking Day’

Virtual Workshop on Apiculture

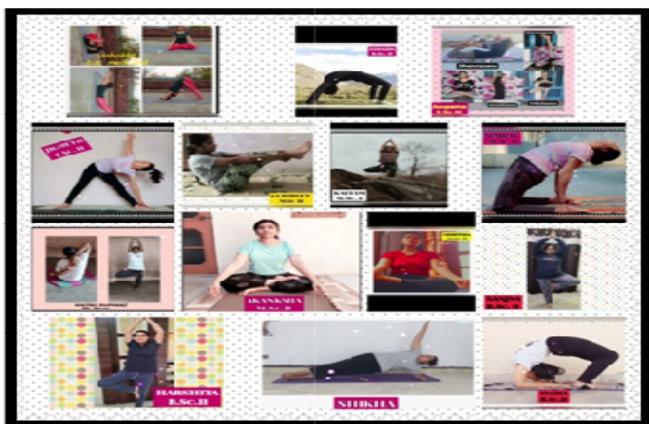
In an effort to appraise the young students with innovative and eco-friendly Honeybee enterprise, Department of Zoology, Post Graduate Government College for Girls, Sector- 11, Chandigarh under the able guidance of Principal Prof. (Dr.) Anita Kaushal, organized a virtual workshop on **5th April, 2021** “Apiculture: Insect Industry of Eco-friendly and Socio-economic Enterprise”. The motive of the workshop was to encourage and give an idea about techniques, procedure and benefits of products related to beekeeping along with the role played by apiculture industry in economy of the country. Renowned HoneyBee expert Prof. (Dr.) V.K. Mattu, Emeritus Fellow (UGC), Department of Biosciences, Himachal Pradesh University, Shimla was the keynote speaker of the event. An invited talk was delivered by Dr. Sajad H. Parey, Assistant Professor, Department of Zoology, School of Biosciences and Biotechnology, BGSB University, Rajouri, J & K. Both the resource persons highlighted and emphasised the role of Apiculture as way for a self-reliant India and discussed the role of honeybees in pollination along with benefits of bee products like honey, propolis in preventing Covid19. The workshop was attended by 100 students, senior scientists from renowned institutes and teaching faculties of nearby universities.



Virtual workshop on “Apiculture”

World Health Day

Under the able guidance of Prof. (Dr.) Anita Kaushal, Department of Zoology in collaboration with Community Hygiene and Public Health Society celebrated “World Health Day” on theme ‘Building a Fairer, Healthier World’ on 7th April, 2021 via yoga and exercises. A total of 28 students participated from various streams. World Health Day 2021 comes at a time when the Covid-19 pandemic has undercut recent health gains, pushed more people into poverty and food insecurity, and amplified gender, social and health inequities. The celebration has aimed to create awareness of a specific health theme to highlight a priority area of concern for the World Health Organization.



Yoga and exercise self photography by students of college

Earth Day Celebrationon Theme: Restore our Earth

Department of Zoology & Community Hygiene and Public Health Society of PGGCG 11 organized a Poster and Collage making competition to celebrate Earth Day on **22nd April, 2021** on the theme 'Restore our Earth. The undergraduate and postgraduate students of zoology presented their posters and collages in virtual mode to raise public awareness about the environment and inspire people to save and protect it. Around 50 students participated. The views focused on natural processes and emerging green technologies that can restore the world's ecosystems. The students also support for environmental protection. The entire activity was compiled in the form of a video.



E-Poster to celebrate Earth Day

World Malaria Day Celebration on Theme: Reaching the Zero Malaria Target

Department of Zoology & Community Hygiene and Public Health Society of PGGCG 11 organized an Extempore to mark the World Malaria Day on **25th April, 2021** on global theme 'Reaching the Zero Malaria Target'. The undergraduate and postgraduate students of zoology presented their views to laud the efforts done by different countries to stamp out malaria in 25 more countries by 2025 to reach the zero-malaria target. The subtopics of the theme included the establishment and purpose to reach zero target malaria cases, threat of malaria to life, effect of climate change on disease transmission, mortality rate, vaccine update, role of vector, modes of infection, effect on children and pregnant ladies, signs and symptoms of disease, risk and preventive measures and the impact of disease on environment. About 23 students prepared their individual AV that were compiled in the form of a single video and posted on various social platforms and student groups.



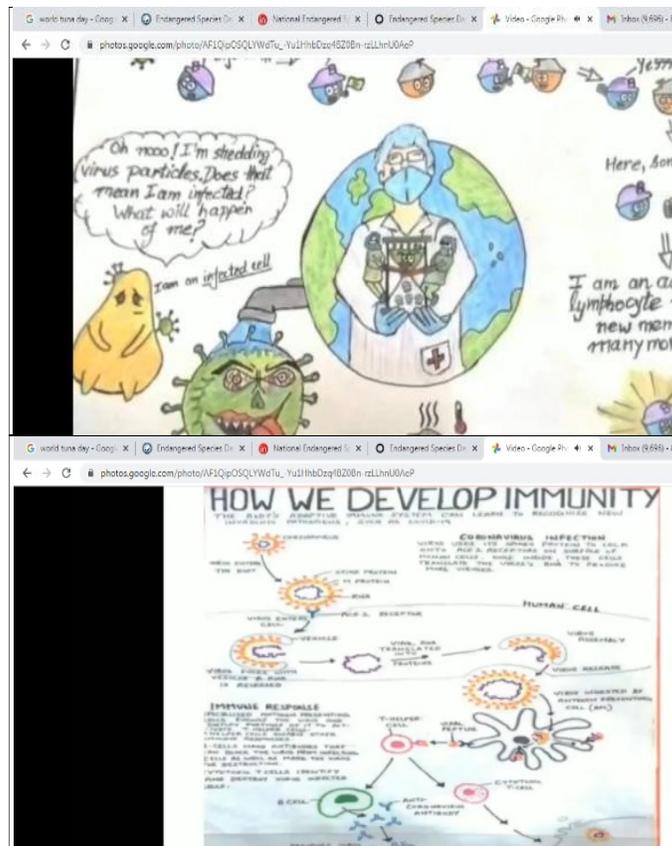
Extempore to mark the World Malaria Day



Extempore to mark the World Malaria Day

International Day Immunology:Glimpses of Immunology and Molecular genetics in the time of COVID-19

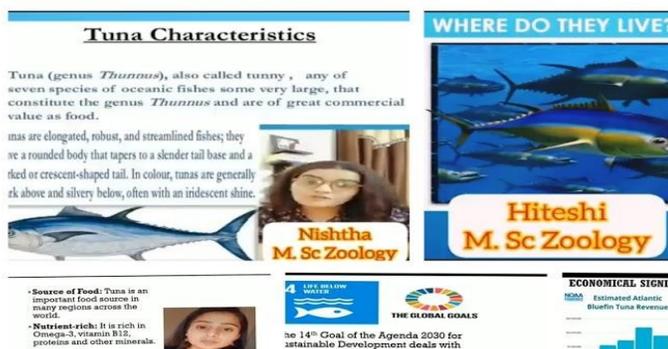
Department of Zoology organized poster making activity to mark annual International Day of Immunology on **29th April, 2021** on theme ‘Glimpses of Immunology and Molecular genetics in the time of COVID-19’. The students updated the knowledge on various topics that hold significant relation of COVID 19 to immunological and molecular aspects of human physiology. The topics of the posters included antigen-antibody reactions, activated B and T cells, impact and current scenario of SARS-CoV2 vaccine, impact of cytokines, recovery and related comorbidities, herd immunity, transcription and genetic code of virus, immunological response of the human body, blood group and viral infection, antigen and RT-PCR test to detect virus etc. The overall purpose of this activity was dedicated to increase awareness of the importance of immunology in the fight against infection, autoimmunity and cancer with everyone we know. Around 50 students participated.



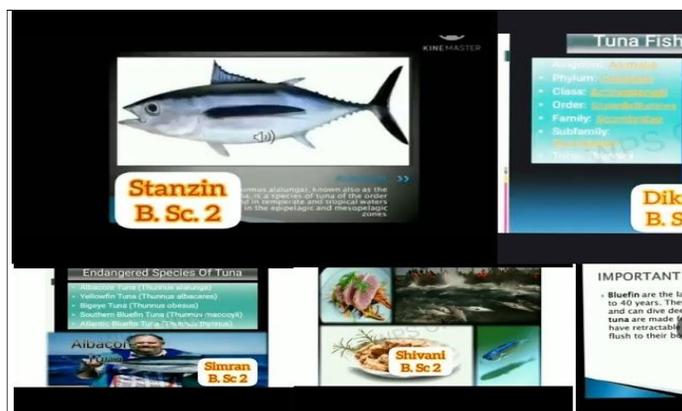
Poster making competition to mark annual International Day of Immunology

World Tuna Day: 'Resolute to conserve'

Department of Zoology observed 'World Tuna Day' on 2nd May, 2021 to spread awareness among people about the significance of Tuna fish regarding sustainable fishing practices and how they have become endangered species due to the high demand for their meat. The theme 'Resolute to conserve' was well perceived by the students who aimed to sensitize general public on protection and conservation management strategies of tuna fish. The students presented their views and facts through power point presentations along with their recorded audios. About 16 UG and PG students participated in the activity that was compiled in the form of video.



Students presented their views and facts through PPT



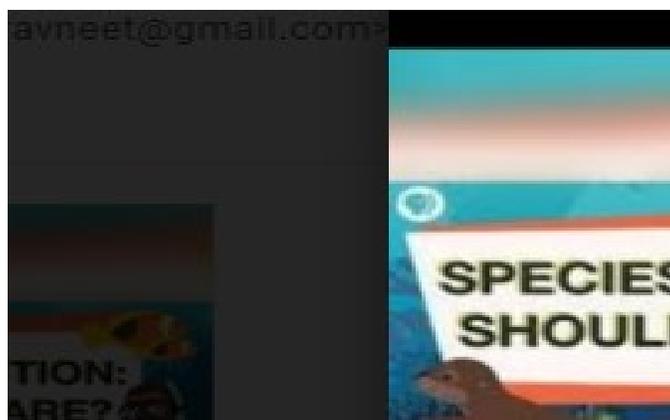
Students presented their views and facts through PPT

National Endangered species Day on Theme: ‘Save our habitat’

Department of Zoology celebrated endangered species day on 21st May, 2021 that is observed annually on the third Friday of May every year to raise awareness about the endangered species of flora and fauna. The students focused on the theme ‘Save our habitat’ and showcased their fondness for endangered animals of the World. About 42 students recorded their audios along with the images of the most critically endangered animals and presented the threats to their extinction due to various human activities such as habitat destruction, deforestation, pollution (garbage and plastic), poaching, exotic species dominance, overfishing etc. The overall activity was compiled in the form of video and posted on various social platforms.



Audio and Video composition by students



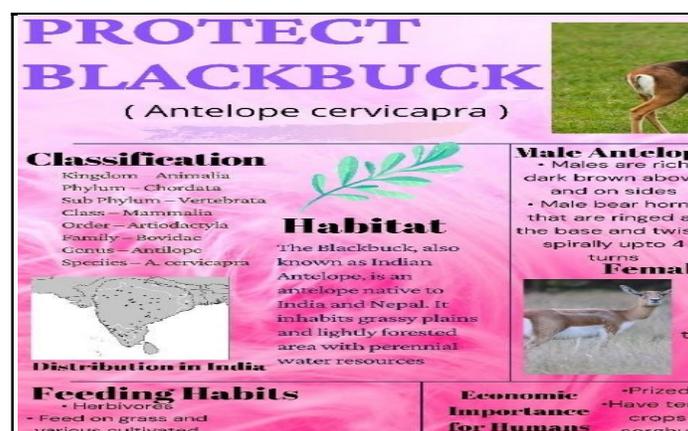
Presentation by students

International Day for Biological Diversity on Theme: Our Solutions are in Nature

Department of Zoology celebrated annual International Day for Biological Diversity, marked on 22nd May, 2021 on theme 'Our Solutions are in Nature'. The students presented their E- posters to raise global awareness about the importance of protecting biological resources and the global biodiversity that shapes and sustain our environment. About 21 students participated with focus to spread awareness on conservation and biodiversity status of some important animals under threat. The posters were compiled in the form of video and posted on various social platforms and students groups.



Students presented their E- posters



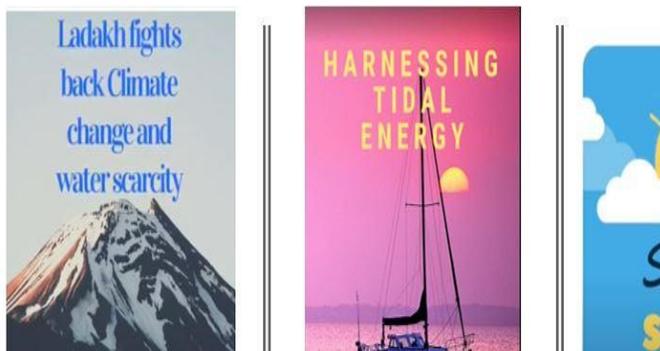
E- posters presentation

World Environment Day on Theme: Ecosystem Restoration

Department of Zoology celebrated World Environment Day on 5th June, 2021 to commemorate the theme 'Ecosystem Restoration'. The UG & PG students of zoology department presented the views by preparing short videos on various initiatives adopted by different countries to reduce the environmental pollution and climate change. The various subthemes included: Mumbai's Versova beach clean-up, making of artificial glaciers/Stupas in Ladakh, installation of on road air purifiers, Smog towers, WAYU in Delhi, aquaponics farming, harnessing of energy through solar panels, efficient mechanism for the collection and disposal of waste, better and efficient sewage management system; recycling of runoff water, concept of high rise buildings etc. About 60 students participated with focus to showcase many solutions to the problem of environmental pollution. The short videos were compiled in the form of a single video and posted on various social platforms and student's groups.



Students presenting their views by preparing short videos



Studentspresentation of short videos

National Safety Month

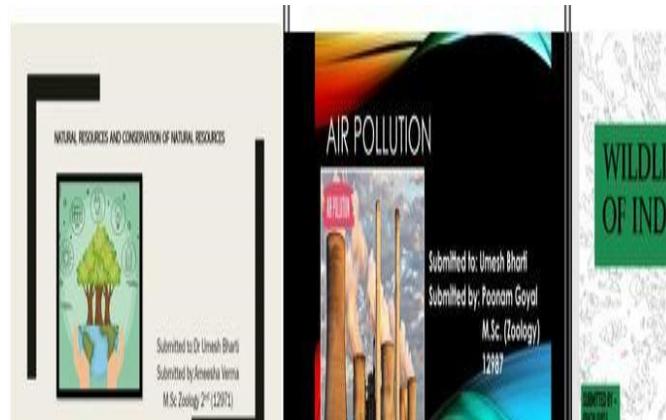
Department of Zoology organized power point presentations to celebrate ‘National safety month’ on **25th and 26th June, 2021**. Students of M. Sc I Zoology (2nd Semester) presented their topics in two sessions through power point presentations in which they shared their views on various health safety measures such as: Role of Immune system, antigen-antibody reactions, Biological effects and regulation of complement system, Northern, Western and Southern blotting’s, immunoprecipitation, agglutination reactions, role of major histocompatibility, antibody structures and functions, haptens and adjuvants, primary and secondary lymphoid organs, antigen – antibody reaction, ELISA, flow cytometry etc. The aim of the activity was to raise awareness about the observance to help and keep each other safe by maintaining healthy immune system to improve livelihoods. A total of 27 students participated and the presentations were thoroughly discussed among the students and the faculty members of the department.



Power point presentations given by students

International Day of the Tropics

Department of Zoology observed 'International day of the tropics' on **29th June, 2021** to comply the theme 'The Digital Divide in the Tropics'. About 21 postgraduate students of the college prepared power point presentations on different topics to raise the awareness about various challenges that tropical nations face. The topics included various solutions to combat air, noise and water pollution in the tropics, waste management strategies, conservation of natural resources, renewable and non-renewable energy resources, goals and objectives of environmental education, stability and complexity of ecosystem, speciation and extinctions, restoration of national parks and sanctuaries, wildlife of India etc. Through the endeavours of the International Day of the Tropics, students attempted to sensitise and encourage people to take cognizance of the challenges encountered in tropical regions which account for 36% of the landmass and harbour almost one third of the planet's population. The students demonstrated their presentation skills in the best informative way to the faculty members to structure and express their ideas clearly about the extraordinary diversity of the Tropics.



Power point presentations given by students