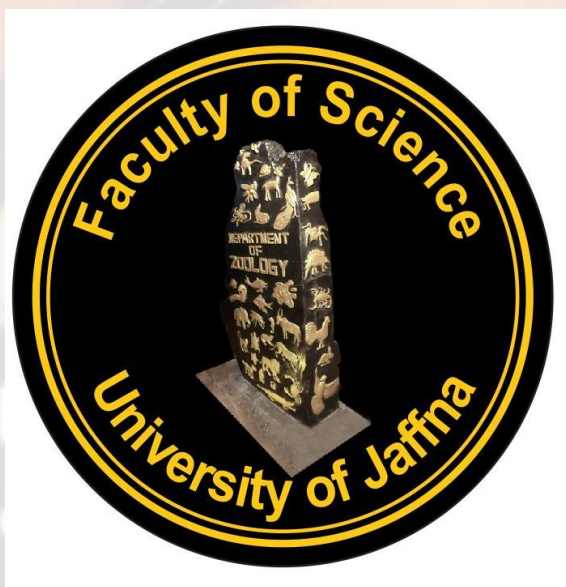




Department of Zoology

Zoology Newsletter

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ACTIVITIES OF ZSA



Our Students' association has ample of wonderful ideas to workout with the community. As one of the initiative of that purpose they have collected the old dresses and materials from the students and the staff of our department to distribute to the non governmental organization. This organization targets on the women headed families under the poverty line and helps them to find small income. The actual target of our society is to reuse the waste materials. The collected sarees and other cloth materials will be effectively utilized by the ladies in that circle and those input materials will become as fantastic outputs such as degradable bags and other esthetic materials like container boxes.



A Japanese lady is being as the coordinator of that organization for such activities and the photographs show that the discussion between the executive members of ZSA and the staff from NGO Nallur and our team has shared their views based on the sustainable management of waste materials.



This is another initiative of our student body to disseminate their knowledge through bookmarks. As they have planned to do a lot of task for our community to make the public to be aware of the resources that our district has. Therefore they have planned to print bookmarks with the description of the recourses available in Jaffna Peninsula and they initially sold them to our students and staff. This is a dual purpose activity , as to generate income for the major public awareness and to disseminate the knowledge.

The students are utilized as ambassadors to convey the message of the resources to public.



In these both activities our students body has reached its targeted goal with the satisfactory levels.

We all wish them well to do more ...

OUR RESEARCH PROGRESS



Professor S.N.Surendran and his research team have been working on the new mosquito species which is said to be a new record from Sri Lanka



Anopheles stephensi, belonging to the subgenus *Cellia* and *Neocellia* series is the major vector of urban malaria in India, was recently detected for the first time in Sri Lanka in Mannar island. This species is considered an important vector of *Plasmodium falciparum* and *Plasmodium vivax* throughout its natural range. Its presence in Northern Sri Lanka is an added challenge to prevent the re-introduction of malaria into Sri Lanka



His molecular biology group is currently undertaking research work to study the molecular and bio ecological characterization of *Anopheles stephensi* in Northern Sri Lanka



Dr. Eswaramohan and his research team has published their research finding as the first report from Jaffna Peninsula. Dr. Eswaramohan , eventhough he is a physiologist, he has been interestly working with Scorpions for last eight years and he has touched different disciplines under this stream of research as well.

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A first report on *Lychas srilankensis* (Lourenco, 1997) (Scorpiones: Buthidae) in Jaffna Peninsula, Northern part of Sri Lanka

This scorpion, *Lychas srilankensis* is the common species from Mannar District , but this is entirely new to Jaffna District. Their research team has found the particular species of scorpion on a random sampling from two different locations in Jaffna Peninsula and they have morphologically identified as *Lychas srilankensis* with the help of standard taxonomic keys. Interestingly their presence is hypothetically explained and the background of the scenario is illustrated with the supportive facts.

FIELD TRAINING



Field survey at Knuckles mountain

Dr. (Mrs) A. Sivaruban has organized a field study at Knuckles mountain for the newly introduced course unit Herpetology. Special degree students , and staff members were actively participated in this survey.



The above field study to knuckles was reserved from the 7th August 2017 to 9th August 2017. All the needful arrangements were made successfully. It was really a fascinating experience for the students and staff. All members in the field were actively participated with different types of tools for the sampling. Doing sampling together with hiking was the maiden experience for most of them along with the maximum consideration of bioethics throughout the sampling sites. Valuable information and the facts were explained during the study. All the members in the field were enthusiastic and the entire journey was quite interesting and this revealed us the power of unity.

We all should be thankful to our senior lecturer Dr.(Mrs).A. Sivaruban for her support in the field and the opportunity that she has given us . Thank you madam.



DISSEMINATION OF KNOWLEDGE : AGRICULTURAL EXHIBITION 2017



Northern Provincial Agricultural Exhibition 2017 was held in the Department of Agriculture, Thirunelveli from 19th September 2017 to 23rd September 2017.



Our department had a stole in that exhibition with the theme of “SUSTAINABLE AGRICULTURE THROUGH INTEGRATED BIODIVERSITY MANAGEMENT”.

Two models(Rural & Urban house) were set up to explain our nuclear theme of the exhibition along with honey bee gardening, inviting pollinators and Natural enemies and their management with the emphasis of organic farming.



Rural areas don't have any limitations for the land where multi integrated farming system was explained whereas the urban area has comparatively limited land space, it was explained with different techniques such as vertical gardening.



Organic gardening practices were clearly described to the public and students. Importance of pollination in organic farming is clearly conveyed during the exhibition and the ways of attracting pollinators and natural enemies were thoroughly explained through different setups.



Insect collection boxes were arranged like a war arena where the pest and the natural enemies were shown as two opposite parties fighting among them to create a basic frame on audience.



The common diseases of animals and the disease causing organisms were clearly described to the visitors in the animal science section in the same exhibition where avifaunal diversity of Northern part of Sri Lanka is also explained.



Dr. (Mrs).R. Gnaneswaran and Dr. K. Gajapathy have coordinated the students for the exhibition.

Northern Provincial Agricultural
Exhibition 2017

SUSTAINABLE AGRICULTURE THROUGH
INTERGRATED BIODIVERSITY MANAGEMENT

ஹாங்கிணைந்த உயிர்ப்பவ்வகைமை மமகாமைத்துவத்தின்
ஊடான நிலையான விவசாயம்

KNOWLEDGE SHARING : MINGLE WITH COMMUNITY

Some of our department staff were been as resource persons for the workshop under Ministry Of Sustainable Development and Wildlife under the Northern Province Sustainable Development Plan 2017 conducted in three different divisional secretariat offices namely Chavakachcheri, Velanai and Delft Island.

The ultimate target of these workshop is to disseminate our knowledge on environment for the sustainable development our community. The workshops were conducted as group discussions among the participants.

Common public, developmental officers , planning officers, school students and well wishers of the communities were the participants of all the three workshops.

Discussions on wet lands, mangrove ecosystem and its services, biodiversity of mangrove ecosystem and the common problems associated with mangrove ecosystem, present status of mangroves in chavachcheri and coral reefs and ecotourism development in Delft Island were made during the workshops with the experience sharing from senior citizens of the particular areas. Their suggestions were taken to in cooperate in the ecotourism plan.



Our department was requested by J/ Kopay Navalar Vidyalayam to share our ideas on “Build up our environment through nature” with their Environmental committee under the Students’ parliament.

Mrs. Murugasundary Kanagasundaram, the teacher incharge of the committee has made all the arrangements and invite their partner school J/ Kopay Saravanapavanantha Vidyalaya along with their school committee members.

The main resources of the environment, how those resources were faced scarcity, contribution human for the scenario, and how to reintroduce the resources were the topics discussed with the students on that discussion.

EDITOR

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