

## **International Conference Report 2019**

**Title: Changing Environment Understanding The Emerging Challenges And Its Management Strategies” DBT Sponsored Pre Conference Workshop ‘The Foldscope’.**

**Convener: Dr. K. Vandana Rani**

**Co convener: Dr. Shanuja Beri**

Zoology department, Kalindi College organized international conference “Changing Environment Understanding the Emerging Challenges and its Management Strategies” with DBT sponsored Preconference Workshop ‘The Foldscope’ on 10<sup>th</sup> to 12<sup>th</sup> April 2019 at conference center, University of Delhi.

The first day on 10<sup>th</sup> April 2019 the first event was DBT sponsored pre-conference workshop “The Foldscope” which was started with Foldscope inventor Manu Prakash, Stanford University, USA lecture video “A 50cent microscope that folds lie origami” as introduction of Foldscope. The first introductory lecture was delivered by Dr. Kalawati Saini from Miranda House college, University Of Delhi. Her lecture emphasized on basic structure of Foldscope with its application and limitations. Further the second lecture was delivered by Dr. Aniruddh Jadhav from Sardar Dilip Singh Commerce and Science College, Aurangabad, Maharashtra and he emphasized advancement of Foldscope, their use in day to day life science and in research. The post lunch session was hands on training on how to fold a Foldscope and that was directed by two Foldscope PIs Dr. Kalawati saini and Dr Aniruddha Jadhav along with four PhD students as trainer from ICGEB. They trained the faculties, research Scholars, students in group of 4-5 participants. Participants over enthusiastically participated in the workshop and enjoyed a lot to learn about the Foldscope. The Workshop was ended with felicitation of trainer and vote of thank.

Second and third days were dedicated to the conference. The first and foremost Inaugural function was started with lightning of lamp by Chief Guest Shri Harvinder Singh Sohal, PCCF (IFS), Guest of Honor Stockholm Water Prize winner Dr. Rajendra Singh well known as ‘Water man of India’ Proctor of Delhi University, Prof. Neeta Sehgal, Padma shri Prof. Ravi Chaturvedi, Principal, Kalindi College, Dr. Anula Maurya and convener Dr. Vandana Rani. After felicitation of each guest on dice inaugural note was delivered by Padma shri Prof. Ravi Chaturvedi that followed by welcome address from Principal, Dr. Anula Maurya and Protcor of University of Delhi, Prof Neeta Neeta Sehgal. Dr. Maurya talked about College and its achievements over the years. Further Prof. Sehgal talked about University history and its present functionality, later she highlighted student- Teacher relation and announced two B. I. Sundararaj Travel Grant Award of Rs 5000 for Best Abstract in conference, dedicated to her teacher, a great researcher and mentor Dr. B. I. Sundararaj.

Most Highlighted thought provoking address with interactive speech was given by Dr. Rajendra Singh who talked about his work journey of water conservation and river revival in Rajasthan. He also emphasized on those small practical steps one can take from home for conservation of all

resources to later spread in societies and state. Further Shri H. S Sohal stated different policies of government and its implications to overcome emerging challenges in the environment. He also pointed towards people responsibilities towards environment. The inaugural function over with vote of thanks given by convener followed by lunch break.

In first technical session which is named as the 'world of animals' many eminent speakers have covered different topics which are relevant under this title.

Firstly Prof. Shyam Narayan Labh from Tribhuvan University, Nepal has given a wonderful lecture on 'Role Of Medicinal Plant Fruit Lapsi, *Choerospondias axillaris* on Growth Performance and Immune Status in Fish'. He has explained about different types of diseases among fishes and give in certain preventive measures by using certain control medicinal plants like prickly chaff flower, Berwuda grass, green tea etc as immunostimulants by incorporating Lapsi e into the fish food. Further there were two invited talk, first talk by Prof. Namita Aggarwal, Zoology Department, University of Delhi and she had dealt with the topic Fruit fly *Drosophila* in the nano world: Berating impact on environment and human health. She explained the use of nanoparticles in certain cosmetics food medicines etc and also explained how it might affect human health by experimenting on *Drosophila* as model organism. The second invited talk was delivered by Prof. Rita Singh from Zoology Department, University of Delhi who clarified the effect of environmental pollutants increasing cases of PCOS among young women. The chairperson of session were Dr. Ravinder Palakurthy, Deputy (admin), MGICCC and Prof Vineeta Shukla, MDU University, Rohtak Haryana.

The second session of sub theme 'the world of human' there were two speakers; firstly prof. Vinita Shukla from MDU University, Rohtak Haryana who delivered a wonderful lecture on impact of mobile radiation on testicular tissues by using rats as a model organism. The last speaker of the day was Prof. Anju Shrivastava who talked about one of the most interesting topic inflammation, Lifestyle and Chronic diseases a silent talk. She explained elaborately about the role of an healthy lifestyle that causes inflammation and ultimately causes certain deadly diseases. Parallely poster presentation was judged by Prof. Namita Aggarwal and Prof Rita Singh. Finally day one of international conference was concluded by wonderful cultural program followed by delicious grand dinner. The chairperson of session was Prof Ravi Chaturvedi.

Third and fourth technical session 'the world of Plant and Microbes' was opened by key note speaker Dr Praveen Verma from NIPGR, Delhi who his lecture targeted genomics of plant fungus interaction secreted factors that affect us and possible targets. He exquisitely explained about how new disease is comes up in plants how plants shows immune responses to protect themselves and to end what are the strategies pathogen used to encounter those plants responses. This lecture was followed by three oral presentations by the participants related to Foldscope work.

Post-tea break fourth technical session begun with a invited talk on extremophilic bacteria found in minor stones by Dr Dev dutt Patel from University of Rajasthan, Jaipur and who throws light on the use of these extremophilic bacteria in bioremediation biotrans formation of certain environmental pollutants. Second invited talk of this session was delivered by Dr Sunil Hooda,

Ram Lal Anand College, University of Delhi. She intricately explain nitrogen as new carbon in near future by proper management of nitrogen using model organism or through spiral this session was followed by oral presentation by the participants. The chairperson of session was Dr. Ravinder Palaurthy, Deputy (admin), MGICCC and Dr. Abhishek Narain Singh, Scientist, University of Eastern Finland.

Last key not lecture of technical session was given by Dr Ravinder Palakurthi on the title National scheme plan on climate change under this title he elaborately explained about various National missions on every aspect that contributes to climate change followed by invited talk “ Kuni wildlife sanctuary: Waiting for Asiatic Lion by Dr. Faiyaz Ahmad Khudsar. He has discussed about how kuno wildlife sanctuary was recreated for the most majestic carnivorous animal lion to come back as this was one of the habitats for lion long time ago.

The last Invited talk was given by Dr Abhishek Narain Singh, Scientist, Eastern Finland University on title IoT burning AI based high performance bioreactor system for combating environmental pollutants and meeting via strain energy and and by chemical demands. The last section of technical session was competitive oral presentation by participants and there were parallel poster presentation as well for the participants.

At the end convener read the conference report for overall all summary of the 3 day event that was followed by announcement and prize distribution for competition that was honored by Dr. Neerja Aggarwal and Dr. Anju Shrivastava from Department of Zoology, University of Delhi. Conference was announced to close with proposal of vote of thanks.

10<sup>th</sup> April 2007





11<sup>th</sup> & 12<sup>th</sup> April 2019





Dr. Anula Sahgal



Dr. Anula Sahgal



Singh

Shri Harvinder Singh Sohal

Dr. Anula Maurya



Dr.



Chief Guest



Shri Harvinder Singh Sohal  
PCCF (IFS)

Dr. Anula Maurya  
Patron



Dr. Anula Maurya

Dr. K. Vandana Rani



Dr. Ravi Chaturvedi

Dr. Anula Maurya  
Patron



Guest of Honor



Dr. Anula Maurya  
Stockholm  
Conservation

Organized by

Zoology Department, Kalindi College

University of Delhi

On 10th-12th April, 2019

Center, Delhi

Dr. K.







