



ADIKAVI NANNAYA UNIVERSITY
 RAJAMAHENDRAVARAM, E.G. Dist. A.P. INDIA
 DEPARTMENTS OF LIFE SCIENCES



NATIONAL WEBINAR

on

Anthropogenic Impact on Biodiversity and Health Challenges

21st June 2021, 10:00 am

Chief Patron

Prof. Mokka Jagannadha Rao

Hon'ble Vice Chancellor
 Adikavi Nannaya University
 Rajamahendravaram

Patron

Prof. T Ashok

Registrar
 Adikavi Nannaya University,
 Rajamahendravaram



Co-Patron

Dr.K.Ramaneswari

Principal, UCST
 Adikavi Nannaya University
 Rajamahendravaram

About the Webinar

Biodiversity conservation is the protection and management of biodiversity to obtain resources for sustainable development. The main objective of the webinar is to create awareness among the participants about the Sustainable utilization of species and ecosystem, to maintain life-supporting systems and essential ecological processes, to keep variability among living organisms on the earth, including the variability within and between species and ecosystems. Biodiversity conservation, the practice of protecting and preserving the wealth and variety of species, habitats, ecosystems, and genetic diversity on the planet, is important for our health. Anthropogenic impact on biodiversity and a threats to human health will be discussed in the webinar.

BIODIVERSITY LOSS



COASTAL POLLUTION



HABITAT LOSS FOR WILD ANIMALS



OCEAN ACIDIFICATION

Keynote Speaker

Prof. D.V.R. Sai Gopal

Hon'ble Vice Chancellor
 Cluster University, Kurnool, A.P.

Topic

" COVID-19 PANDEMIC IMPACT ON DYNAMICS OF HUMAN - NATURE INTERACTIONS "

Speakers

Topic

Prof. Satyvelu Reddy, (Rtd),

Dept. of Zoology.
 Former Registrar, SVU, Tirupati

Management of Diabetes associated with COVID-19 disease :A study on exploration of Nature boon medicinal plant *Acalypha indica*"

Prof. E. U. B. Reddi, (Rtd)

Dept. of Environmental Science,
 AU, VSKP, A.P.

Some health concerns owing to human interferences with biodiversity

Dr Swapnil Rai,

Dept of EVS, Amity University,
 Gwalior, Madhya Pradesh.



Climate Change & its Consequences: A Threat to Earth

Registration Free

Mode of Delivery
 Live Web Session

Click here

WEBLINK:

<https://zoom.us/j/93433797304>

Contact number: +91- 9441140857, email: vijayanirmala.p@aknu.edu.in

E-Certificate will be issued on completion of the feedback form at the end of the webinar

* Important recommendation : It is advised to login from 09:50 am onwards.

CONVENER

Dr. P.Vijaya Nirmala

Head, Departments of Life Sciences
 Adikavi Nannaya University

Organisers

Faculty of Life Sciences
 Adikavi Nannaya University
 Rajamahendravaram

ADIKAVI NANNAYA UNIVERSITY
University College of Science and Technology
Departments of Life Sciences



Brief report
On
**“Anthropogenic Impact on Biodiversity and
Health Challenges”**
June 21, 2021

Biodiversity conservation is the practice of protecting and preserving the wealth and variety of species, habitats, ecosystems, and genetic diversity on the earth. The main objective of the webinar is to create awareness among the participants about the sustainable utilization of species and ecosystem, to maintain life-supporting systems and essential ecological processes, to keep variability among living organisms and ecosystems on the earth that reflects the good health condition. This platform will help to focus on the anthropogenic impact on biodiversity and the threat to human health.

The inaugural session of the National webinar was started at 10 A.M. on 21st June 2021. Honorable Vice chancellor of Adikavi Nannaya University, Prof. M. Jagannadha Rao graced the session as Chief Patron. Prof. T. Ashok, Registrar, Adikavi Nannaya University and Dr. K. Ramaneswari, Principal, University College of Science and Technology also graced the webinar as Patron and co-patron respectively. Four eminent academicians namely **Prof. D.V.R Sai Gopal, Hon'ble Vice – Chancellor, Cluster University, Kurnool, Prof. Satyvelu Reddy, Former Registrar, SVU, Tirupati, Prof. E. Udaya Bhaskar Reddi, Dept. of Environmental Science, AU, VSKP and Dr Swapnil Rai, Dept of EVS, Amity University, Gwalior, Madhya Pradesh** were invited as resource persons for this webinar. Dr. P. Vijaya Nirmala, Head of the department of Lifesciences, Convener presented the conveners report. This was followed by Chief patron's message in which Prof. M. Jagannadha Rao, Honorable Vice chancellor delivered his message to the participants. Then Prof. D.V.R Sai Gopal, Hon'ble Vice – Chancellor, Cluster University, Kurnool delivered his keynote address to the participants. This was followed by the technical session.

Prof. D.V.R Sai Gopal presented his lecture on “Covid -19 pandemic impact on dynamics of human – nature interactions”. He gave enlightened information on the virus structure, characteristics and how it interacts with human biological system to transmit the disease and the generation of symptoms. He also gave example of how human made mistakes lead to the disasters such as Covid 19 pandemic state.

Prof. Satyvelu Reddy delivered his lecture on Management of diabetes associated with COVID- 19 disease: A study on exploration of Nature born medicinal plant *Acalypha indica*. He gave very good information on the prevalence of diabetes, their causes, consequences and therapeutic strategies especially the role of medicinal plants in curing diabetes. He focused on the plant species *Acalypha indica* which showed positive results in antidiabetic and antioxidant

activities. He emphasized on how the natural medicinal plant extracts including antidiabetic activity can be preferred to synthetic drugs which have side effects.

Prof. E. Udaya Bhaskar Reddi, presented his lecture on Some health concerns owing to human interferences with biodiversity. His lecture was focused on various species habitats and how they are getting into extinct or becoming endangered species because of human destructive activities. He stressed that if these species become extinct, the pivot role played by these species in the environment to balance the ecosystem will be lost. This reciprocates the imbalance in the ecosystem thereby causing various health issues to human race.

Dr Swapnil Rai, delivered his presentation on Climate change and its consequences: A threat to Earth. He gave an enlightened and detailed information on the various climatic changes and their impact on living system. These climatic changes were because of human activities especially the usage of modern technology and various life style changes and all these lead to global warming resulting in the development of health issues generated in the population.

All these presentations created awareness in the participants about the role of anthropogenic activity on biodiversity leading to the development of health challenges. This platform provided the knowledge on how human advanced technology developed destructive activities imbalanced the bio diversified species existence that reflected on the human health problems. Around 130 participants attended this webinar. These presentations inspired the participants especially the students who were motivated to develop individual interest on protecting the planet earth and its biotic components. The Co Patron, Dr. K. Ramaneswari presented the concluding remarks. The convener, Dr. P. Vijaya Nirmala, and the organizers from the Departments of Life sciences kindly acknowledge the Honorable Vice Chancellor, Prof. M. Jagannadha Rao for the encouragement and logistic support to organize the webinar and making it a grand success.

