ADIKAVI NANNAYA UNIVERSITY

University College of Science and Technology

Department Of Botany

National Webinar Summary Report

"TRENDS AND TECHNIQUES IN BIODIVERSITY ASSESSMENT"

December 10, 2020

Convener: Dr. K. SAMUEL KUMAR

Organizing secretary: Dr. M. PRAJNA

Introduction

The present webinar named **"Trends and Techniques in Biodiversity assessment"** instigate to motivate and aware young minds towards the assessment of biodiversity which is considered as threated concept in present scenario. Biodiversity means the variability among living organisms from all sources including, terrestrial, marine and other aquatic ecosystems and the ecological complexes of which they are a part, this includes diversity within species between species and of ecosystems. The main objective of this webinar is to aware students and researchers on remote sensing a great tool in assessing biodiversity.

The webinar was held on 10th December 2020, 10:30 to 1.00pm. Around 20 hosts/ presenters plus 260 participants were attended. The webinar was formally started with an inaugural address by Hon'ble Vice chancellor, two presentations each followed by Q&A and a chat-based feedback collection from all participants, and concluding remarks by Dr. J. Suneetha EC member on behalf of Registrar.

Organizers


ADIKAVI NANNAYA UNIVERSITY,
RAJAMAHENDRAVARAM, ANDHRA PRADESH, INDIA-533296
UNIVERSITY COLLEGE OF SCIENCE AND TECHNOLOGY
nrsc
NATIONAL WEBINAR ON
TRENDS AND TECHNIQUES IN BIODIVERSITY ASSESSMENT
In Association with
NATIONAL REMOTE SENSING CENTRE (NRSC), HYDERABAD
Organised by
DEPARTMENT OF BOTANY
Date 10-12-2020
Time 10.30 A.M
Chief Patron
Prof. M.JAGANNADHA RAO,
Vice Chancellor
Adikavi Nannaya University
Patrons
Prof. B. GANGA RAO,
Registrar
Adikavi Nannaya University
Dr.K.RAMANESWARI,
Principal, UCST
Adikavi Nannaya University
Special Invitee
Prof. J. SUNEETHA,
EC Member
Adikavi Nannaya University
Speakers
Dr. C. SUDHAKAR REDDY,
Head, Forest Biodiversity and Ecology Division, NRSC, Hyderabad
Topic:What does remote sensing do for Biodiversity and conservation?
Dr.S.NAGA RAJU,
BSI, DRC, Hyderabad
Topic:Identification of Grasses
Free Registration
Who can attend : Students,Research Scholars, Faculty
Registration link:https://forms.gle/2rj2Vn8bDXTfKGmp6
Webinar link will be sent to registered email
E-Certificate will be issued to all registered attendees
Convenor:
Dr.K.SAMUEL KUMAR,
Asst.Professor
Department of Botany
Adikavi Nannaya University
Organizing Secretary:
Ms. M. PRAJNA
Asst.Professor
Department of Botany
Adikavi Nannaya University
Co-Conveners
Dr. V. PADMAVATHI,
Asst.Professor,
Department of Botany,
Adikavi Nannaya University
Dr. L. MUTYALA NAIDU,
Asst.Professor,
Department of Botany,
Adikavi Nannaya University

Resource persons

Dr. C. Sudhakar Reddy
Forest Biodiversity and Ecology Division
National Remote Sensing Centre
ISRO, Hyderabad.

Dr. S. Nagaraju Head,
Botanical Assistant
BSI, DRC
Hyderabad

BRIEF BIO-DATA OF RESOURCE PERSONS

About Dr. Sudhakar Reddy Chintala

Sudhakar Reddy Chintala (born 10th May 1974) is an Indian scientist and academic who primarily works in the field of remote sensing. He is known for his contribution to the development of remote sensing and GIS applications in forestry, biodiversity and ecology including plant taxonomy. He is currently the Head of Forest Biodiversity and Ecology Division, National Remote Sensing Centre, ISRO, Hyderabad. As Project Director, he is leading nationwide project on biodiversity characterization at community level.

He completed his master's degree in 1996 from Osmania university in Botany subject and did doctoral studies from Kakatiya University Warangal in 2002 and completed **Space Studies Program** at *International Space University, France* in the year 2018.

He has been awarded from several organizations for his great contributions in Taxonomy, Biodiversity and remote sensing including, Hari **Om Ashram Prerit Dr. Vikram Sarabhai Research Award** - 2017. Physical Research Laboratory (PRL), Department of Space, Govt. of India, **Prof. M.B. Raizada Medal Award** - 2016. Association for Plant Taxonomy, India, **Prof. P.R. Pisharoty Memorial Award** - 2014. Indian Society of Remote Sensing, **Dr. S.K. Jain Medal Award** - 2010. Association for Plant Taxonomy, India, **I.S.R.O. Young Scientist Merit Award** - 2008. Department of Space, Govt. of India.

He is a technical member of several bodies including Expert Committee on Invasive Alien Species. National Biodiversity Authority, Working Group on Indian Himalayas. NITI Aayog, Government of India, Board of Studies in Environmental Sciences, Osmania University, Board of Studies in Botany, Andhra University, Board of Studies in Botany, Kakatiya University, Board of Studies in Botany, Telangana University., Board of Studies in Environmental Studies, Cochin University. **Executive Council Member**, Association for Plant Taxonomy, India, **Expert Member**, Telangana State Biodiversity Board. **Subject Editor**, *Journal of Economic and Taxonomic Botany*.

As a principal investigator completed 22 projects and 20 as coinvestigator. He published 14 books and wrote 265 research papers with almost 4100 citations.

About Dr. S. Nagaraju

Nagaraju Siddabathula was born and brought up from Pulla village of west Godavari Andhra Pradesh. Completed M.Sc. (2005-2007) from ANR College, Gudivada, Krishna Dt. Completed B.Ed. (2009-2010) from Andhra University -Visakhapatnam. Did his Ph.D. (2016-2020) from Andhra University – Visakhapatnam.

He was worked as Research Scholar at Indian Institute of Oil Palm Research Centre, Indian Council of Agriculture Research. He cleared National Eligibility Test ICAR-ASRB2014. He has illustrated (fine line diagrams) few new plant species and published as co-author. He had training on Remote Sensing and Geographic information system from National Remote Sensing Centre-ISRO, Hyderabad as well Forest Research Institute, Dehradun; for plant species mapping and Remote sensing data analysis. He is the life member of Indian Society of Remote Sensing, Dehradun; and also, he had training on Botanical Illustrations at Shillong. Presently he is working at Botanical Survey of India, Deccan Regional Centre, Hyderabad and redeployed from Central Botanical Laboratory, Botanical Survey of India, Howrah.

Previously he was associated with 03 projects: - 1. Ethnobotany of Ganjam, Jajpur Districts of Odisha 2. Flora of Seshachalam Biosphere Reserve, 3. Flora of Nagarjuna Sagarsrisailam Tiger Reserve and 4. Sacred Groves of Andhra Pradesh. On Going Project includes Grasses of Telangana State, India. His research interest are Floristic studies on Poaceae. He has co- author of 21 publications (including 06 new species to science + 01 Book Chapter).

TRENDS AND TECHNIQUES IN BIODIVERSITY ASSESSMENT

10.12.2020

PROGRAM SCHEDULE

TIME	EVENT	SPEAKER
10.30	Welcome	Dr. V. Padmavathi
10.32	Webinar Introduction	Dr. K. Samuel Kumar
10.36	Welcome address	Dr. K. Ramaneswari, Principal, UCST, AKNU
10.40	Chief guest Introduction	Ms. M. Prajna
10.45	Inaugural address	Prof. M. Jagannadha Rao Hon'ble Vice Chancellor, AKNU
11.05	Speaker I Introduction	Dr. V. Padmavathi
11.08	Speaker I	Dr. Ch. Sudhakar Reddy, Head, Head, Forest Biodiversity and Ecology Division, NRSC, ISRO, Hyd.
11.53	Speaker II Introduction	Dr. L. Mutyala Naidu
11.55	Speaker II	Dr. S. Naga Raju, BSI, Hyd.
12.25	Remarks by Special Invitee	Prof. J. Suneetha, EC Member, AKNU
12.30	Concluding Remarks	Prof. B. Ganga Rao, Registrar, AKNU
12.45	Vote of Thanks	Ms. M. Prajna
1.00	National Anthem	

Talk 1 - Dr. C. Sudhakar Reddy on "what does remote sensing do for Biodiversity conservation"

Dr Reddy initially starts his presentation with giving definitions for Taxonomy, Ecology, Biodiversity and Remote sensing. And mention briefly about what are the various applications which are giving highest value for the biodiversity with the help of remote sensing.

In his talk Dr Reddy stressed the importance of remote sensing as "indirectly global community are looking for remote sensing approaches for assessing of the biodiversity, monitoring of biodiversity, modeling of biodiversity. Many global and national agencies are using remote sensing as one of the important tools for assessing the conservation effectiveness and assessing biodiversity targets, indicators and many other applications.

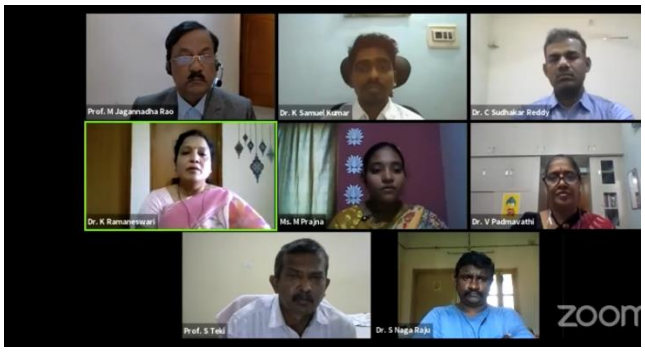
Next Dr Reddy spoke about remote sensing, why to remote sensing, remote sensing applications, biodiversity assessment methods like traditional methods and non-traditional methods, essentials biodiversity variables, biodiversity indicators, forest cover maps etc.

Talk 2- Dr. Nagaraju on "Identification of Grasses"

Before the actual topic he mentioned the traditional medicine and how the majority people relay on traditional medicine. Then delivered talk on grasses identification, importance of grasses i.e., grasses are single source of wealth in the world and they maintain ecosystem and biodiversity. Later spoke on why grasslands are important, carbon sequestration, grass scenario in the world and India, grass plant description etc.

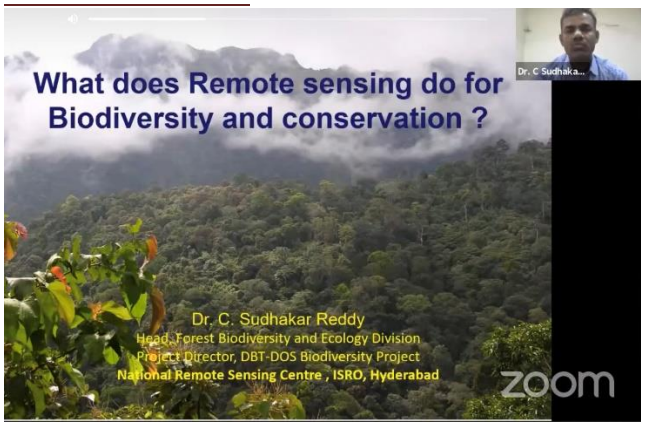
In this talk he stated about BSI, opportunities and placements, regional centers, gardens, units, index herbarium

Photo gallery

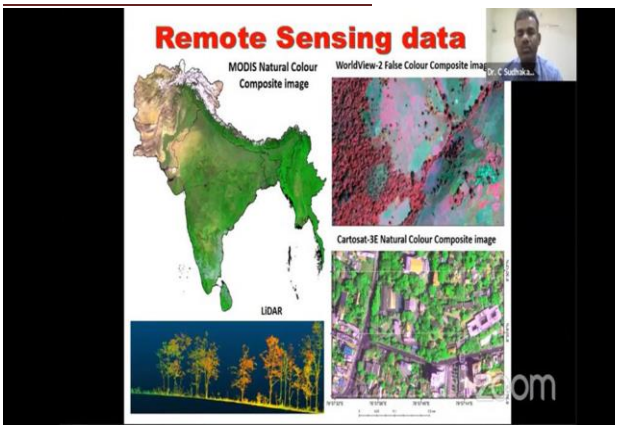


Hon'ble vice chancellor

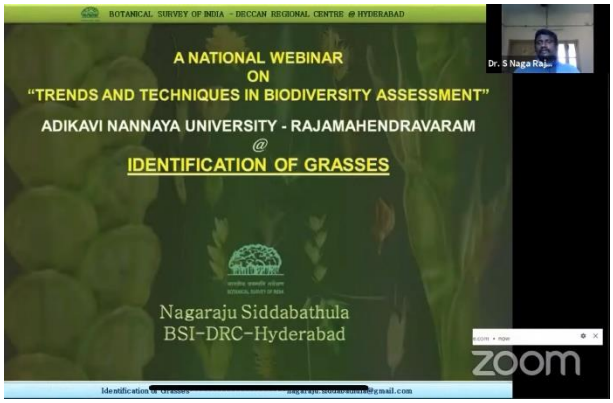
Presenters



Presentation of Dr Reddy



Presentation of Dr Nagaraju



Certificate

ADIKAVI NANNAYA UNIVERSITY
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RAJAMAHENDRAVARAM, ANDHRA PRADESH, INDIA - 533296.

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Certificate of Participation

This is to certify that Prof./Dr./Mr./Ms. .....

of.....

has participated in

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