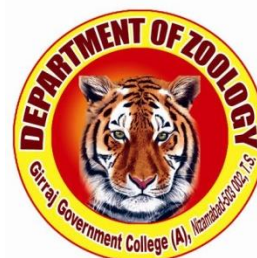




GIRRAJ GOVERNMENT COLLEGE (A), NIZAMABAD, TELANGANA STATE



A REPORT ON

National Webinar on “Metagenomics and its Applications”

ORGANIZED BY: DEPARTMENT OF ZOOLOGY

Aims:

To benefit the students and the faculty at undergraduate, graduate and research level.

To discuss the topics relevant to applied biology.

To encourage the student to involve in research activities those are being carried out in different research institute.

To create excellent rapport with the eminent scientists and researchers

Outcomes:

The webinar is very interesting for the participants as they gained information regarding Metagenomics, its types and applications.

Feedback responses were received.

E-certificates were issued through mail after feedback submission.

Resource Persons:

1. Dr.Y.Venkataiah, Head Dept.of Zoology, KU, Warangal.
2. Dr.P.R.Meghanathan, Scientist, NEERI,IICT Campus, Hyderabad
3. Dr.Nageswara Rao Amanchi, Asst. Prof, Nizam College, OU, Hyderabad



DEPARTMENT OF ZOOLOGY
GIRRAJ GOVERNMENT COLLEGE (A), NIZAMABAD – TELANGANA
(Reaccredited by NAAC with 'B' Grade)

**NATIONAL WEBINAR ON
METAGENOMICS AND ITS APPLICATIONS**

Keynote address by
Dr. Yanamala Venkaiah
Head Department of Zoology
KU, Warangal.

Resource Persons
Dr. P R Meghanathan
Scientist, NEERI IICT Campus, HYD
Dr. Nageswara Rao Amanchi
Asst. Professor, NC, OU, HYD

Patron
Dr. E. Laxminarayana
Principal,
Girraj Government College (A),
Nizamabad

Co-convener
G.Devidas
Asst.Prof.Dept. of Zoology
Dr.Rafia Yasmeen
Asst. Prof .Dept. of Zoology

Advisory Committee:
Dr.M.A.Rafeeq, Vice Principal
P.V.V.Satyavaraprasad, UGC Coordinator
Dr. D. Adeppa, IQAC Coordinator
Dr. G. Sriram, Academic coordinator

Convener
G.Srinivas Reddy
Head, Department of Zoology
Girraj Government College (A)
Nizamabad

Organizing Committee
Dr.A.Sunil Kumar
B.Deepak
A.Lavanya
S.Abbu
Farana Begum

Registration link: <https://forms.gle/8SCAuPRGI7xNxx8A8>

Zoom meeting
Date **20-04-2021**
Time: **12:00 pm**
Meeting ID: **6598744472**
Passcode: **117370**

✿✿ Greetings from Girraj Govt. College (A), Nizamabad. Telangana state ✿✿

Department of Zoology is organizing an online National webinar on "**Metagenomics and its Applications**" for all students, Research Scholars and faculty.

An e- certificate of appreciation will be issued to the participants.

Students, Research Scholars and faculty can participate in this webinar clicking the below link:

Time: Apr 20, 2021 12:00 PM India

Join Zoom Meeting

<https://us02web.zoom.us/j/6598744472?pwd=SDd4YlNBQ1RkN1FIMWNDL2t1clBPdz09>

Meeting ID: 659 874 4472

Passcode: 117370

Registration link: <https://forms.gle/aCnutkJZrFDY97WAA>

Dr E. Laxminarayana

Principal

G.Srinivas Reddy

HOD and Convener

The webinar commenced with introduction given by our webinar organizing committee member smt. Farana Begum after the introduction welcoming song was played convener then proceeded to invite the webinar speakers , principal , vice-principal , convener , co-conveners and organizing committee, participants and students.

The webinar was then taken over by convener of webinar G.Srinivas Reddy , gave brief introduction about the college and the about the department and principal Dr. E. Laximinarayan greet to department and webinar. And then it moved to the main event with G.Devidas Co-Convener of webinar introduced the first speaker and Keynote address of webinar Dr.Y. Venkaiah HOD. Kakatiya University, Dept. of zoology, and he explained what is Metagenomics and its significance. to the nation today and followed by webinar invited speaker Dr.PR.Megnathan , Scientist , NEERI, IICT Campus , he has delivered lecture on “Fundamental of Metagenomics” as a part of Metagenomics and Its Application Webinar conducted by Department of Zoology.

Dr. Amanchi Nageswara Rao Asst. Professor. Department of zoology Nizam College, OU, Hyd has delivered an invited talk on “Applications of Metagenomics” as a part of Metagenomics and Its Applications Webinar conducted by the Department of Zoology on April 20th 2021

About Metagenomics and its Applications

Metagenomics: As we know that Metagenomics it is the study of genetic material which is directly involved with environmental factors. It can also be called as Environmental Genomics or Eco Genomics. In Metagenomics the genetic material DNA is involved directly with the environmental factors. To detect the genomes which constitute with the original environmental sample .It also used to study the species diversity in the microbial environment. These methods are majorly used in fields of medicine, agriculture and in ecology.

Agriculture: it is widely necessary for plant growth and recycling of nutrients will also takes place this free suspension. With these we can see the interaction between plants and microbes in cultivation they improved disease detection in crops and in livestock also majorly in crop health.

Ecology: DNA sequencing can also be used more broadly to identify the species which is present in water bodies.

Biotechnology: The discovery of new genes, enzymes and in natural products in PCR primers also used.

Program Schedule

NATIONAL WEBINAR ON

METAGENOMICS AND ITS APPLICATIONS

APRIL 20, 2021

DEPARTMENT OF ZOOLOGY, GIRRAJ GOVERNMENT COLLEGE (A), NIZAMABAD

PROGRAM SCHEDULE

10:00 – 12:00 noon	REGISTRATION
12:00 – 12:15 pm	INAUGURATION
12:15pm – 12:45pm	Keynote Address- An Overview Of Genomics Dr. Yanamala Venkaiah Head Department of Zoology, KU, Warangal
12:45pm -1:30pm	Lecture-I METAGENOMICS Dr. Nageswara Rao Amanchi Asst. Professor, NC, OU, HYD
1:30 pm-1:35pm	Question & Answer session
1:35 pm-2-20pm	Lecture-II METAGENOMICS APPLICATIONS Dr. P R Meghanathan Scientist, NEERI ICT Campus, HYD
2:20 pm-2:25pm 2:25pm	Question & Answer session Brief Vaedictory



Brochure Release

నేడు గిరిరాజ్ లో

జంతుశాస్త్రంపై వెబినార్

నిజామాబాద్ అర్బన్, ఏప్రిల్ 19: జిల్లాకేంద్రంలోని గిరిరాజ్ డిగ్రీ కళాశాలలో మంగళవారం జంతుశాస్త్ర విభాగం ఆధ్వర్యంలో మోటాసిన్ మిక్స్, దాని అనువర్తనాలు అనే అంశంపై ఒక్కరోజు జాతీయ వెబినార్ ను నిర్వహించనున్నట్లు కళాశాల ప్రెసిడెంట్ లక్ష్మీనారాయణ తెలిపారు. సోమవారం వెబినార్ కు సంబంధించిన కరపత్రాలను విడుదల చేశారు. ఈ వెబినార్ లో కాకతీయ యూనివర్సిటీ జంతుశాస్త్ర విభాగ అధిపతి డాక్టర్ వై.వెంకయ్య కీలక ఉపన్యాసం చేస్తారని అదేవిధంగా సీనియర్ సైంటిస్ట్ మేమనాదన్, నాగేశ్వరరావు రిసోర్స్ పర్సన్ లుగా పాల్గొంటారన్నారు. ఆసక్తిగల విద్యార్థులు, పరిశోధక స్టాఫ్ లర్న, అధ్యాపకులు సద్వినియోగం చేసుకోవాలన్నారు.

సమాచారం..

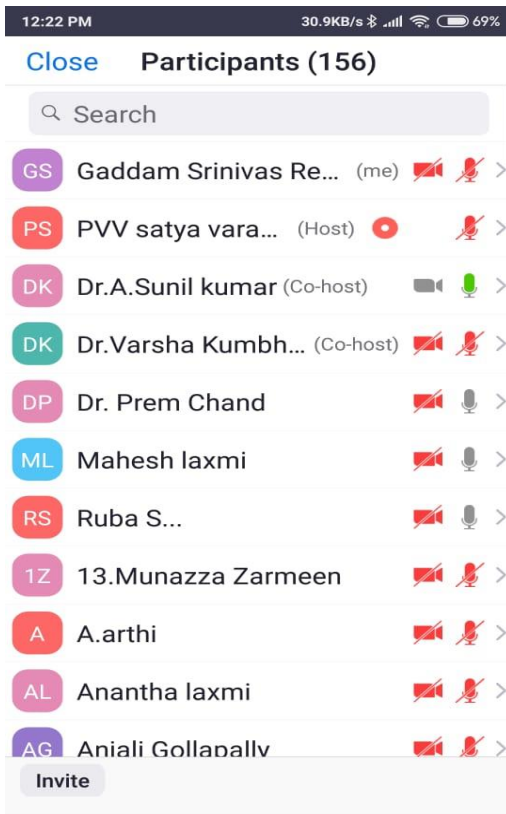
నేడు గిరిరాజ్ లో జాతీయ వెబినార్

సుభాష్ నగర్ (నిజామాబాద్ అర్బన్): నగరంలోని గిరిరాజ్ ప్రభుత్వ డిగ్రీ కళాశాలలో జంతుశాస్త్ర విభాగం ఆధ్వర్యంలో మంగళవారం మోటాసిన్ మిక్స్, దాని అనువర్తనాలు అనే అంశంపై ఒక్కరోజు జాతీయ వెబినార్ నిర్వహిస్తున్నట్లు ప్రెసిడెంట్ డాక్టర్ లక్ష్మీనారాయణ తెలిపారు. ఈ మేరకు కళాశాలలో వెబినార్ కు సంబంధించిన కరపత్రాలను వారు ఆవిష్కరించారు. లక్ష్మీనారాయణ మాట్లాడుతూ.. కాకతీయ యూనివర్సిటీ జంతుశాస్త్ర విభాగం అధిపతి డాక్టర్ వెంకయ్య కీలకోపన్యాసం చేస్తారని పేర్కొన్నారు. ఈ అవకాశాన్ని సద్వినియోగం చేసుకుని, ఈ-సర్టిఫికేట్లు పొందాలని తెలిపారు.

గిరిరాజ్ కుంభ ప్రజా కార్యకర్తల చూపింట్ వోట్

క

మాజి సమాజ సేవకులు సమాజ సేవకులు సమాజ సేవకులు



Metagenomics Final GG College - Microsoft PowerPoint

Home Insert Design Animations Slide Show Review View

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Slides Outline

1 Introduction to Metagenomics

2 Introduction

3 Introduction

4 Introduction

5 Introduction

Metagenomics Overview and Milestones

Slide 6 of 27 | Office Theme | English (United States) | 65%

Metagenomic timeline and Milestones

1676 1858 1911 1917 1980 1989 1990 1998 2005 2006 2011 2015

Leeuwenhoek reports his observations about oral microbeota

Robert Koch isolates microorganisms using solid cultures

Nitrogen-fixing microbial ecology experiments

Fred Ljungner develops DNA sequencing

Kary Mullis develops PCR

Carl Woese proposes a link between the molecular clock and taxonomy

Handelman et al. propose the term 'metagenomics'

First NGS machine released by Roche

GA sequencer from Solexa is released

Human Microbiome Project publication

PacBio HiFi sequencer is released

Ocean Sampling Day

Click to add notes

10:12 AM

docs.google.com/forms/d/e/1FAIp

Feedback form- Metagenomics webinar

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GIRRAJ GOVERNMENT COLLEGE(A), NIZAMABAD



Certificate of Participation

This is to certify that Mr/Ms/Dr {{Full Name}}, {{Other Identifier}}, of {{Other Identifier2}} has participated in National Webinar on "Metagenomics and Its Applications" conducted on 20/04/2021 by Department of Zoology, Girraj Government College, Nizamabad, Telangana.

G. Srinivas Reddy (Convenor)

Dr. E. Laxminarayana (Principal)



No of participants : 266

Related Link of participants: [Participants List](#)

Participants attended the webinar from 14 different states namely:

- Telangana
- Andhra Pradesh
- Delhi
- Goa
- Gujarat
- Karnataka
- Maharashtra
- MadhyaPradesh
- Odissa
- Punjab
- Rajasthan
- Tamil Nadu
- Uttar Pradesh
- West Bengal