



CHATRAPATHI SIVAJI TRI SATA JAYANTHI (CSTS)



GOVT. KALASALA

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E-Mail : jangareddigudem.manatv@gmail.com

**ONE DAY NATIONAL SYMPOSIUM
on
New Trends in Biological sciences**

**Special Issue
Date: 30-11-2023**

Organized by
Departments of Zoology, Botany & Horticulture



Chief Editor
Dr.N.Prasad Babu, Principal
Editor
R.Vijayadeepika, HoD of Zoology

Principal's Permission Letter

From
R. Vijayadeepika,
Lecturer in Zoology,
CSTS Government .Kalasala,
Jangareddigudem.

To
The Principal,
CSTS Government .Kalasala,
Jangareddigudem.

Sub: Requesting for permission to conduct One Day National Symposium on
New Trends in Biological Sciences in collaboration with Departments of
Botany and Horticulture submitted –regarding

The Department of Zoology along with Departments of Botany and Horticulture
planning to conduct a One Day National Symposium on “New Trends in Biological
Sciences” on 30-11-2023. So you are requested to grant permission to conduct the same on
the above mentioned date. It is further submitted that, we would like the symposium from
10AM to 5PM. This is for your information and consideration

Thanking you,

Yours faithfully

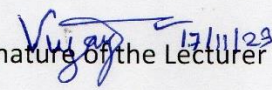
Vijay 17/11/23
[VIJAYADEEPIKA-R]
Lec. in Zoology.

Permitted
Ans
17/11

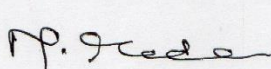
Minutes

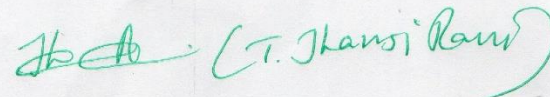
Smt.R. Vijayadeepika, Lecturer in Zoology met Principal Dr.N. Prasad Babu at his Chamber along with IQAC Co-ordinator, Department of Botany & Horticulture at his chamber. we Discussed and resolved the following issues

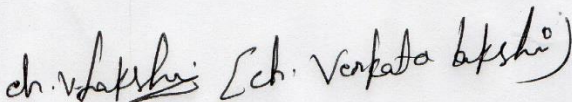
1. To conduct a One Day National Symposium on New Trends in Biological Sciences on 30-11-2023.
2. To publish research papers in International Journal for Engineering and Sciences.
3. To release book on the same day.

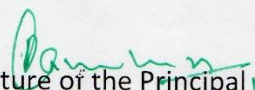

Signature of the Lecturer

Signature of the Staff

1. IQAC Co-ordinator:  (M. MADHU)

2. Department of Botany: 

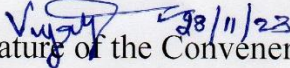
3. Department of Horticulture: 


Signature of the Principal

Principal
CSTS Govt. Kalasala
Jangareddigudem-534447

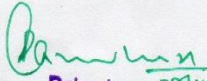
Circular

The Department of Zoology, Botany and Horticulture together conducting a One Day National Symposium on "New Trends in Biological Sciences" on 30.11.2023 at Seminar hall from 10AM to 5 PM. The staff and students are requested to attend the Symposium without fail and make it a grand success.


Signature of the Convener

Signature of the Staff

1. Dr. CH. Badari Narayana — CTR
2. B. Srinivasa Rao (Bio) — CTR
3. V. Hanumanth Rao (Eco) — WZ
4. Dr. K. UTTAM SAGAR — (Commerce) — K. Uttamsagar
5. Dr. M. MADHU — P. 980
6. Dr. G. Srinivasa Rao — Eng — CTR
7. V. Sai Sunil — Physics — 880
8. U. Venkatacharyulu — Chemistry — CTR
9. P. NAGESWARA RAO — P. 980
10. B. Asthak — P. 980
11. J. Peji Srinivas — P. 980
12. Dr. K. V. Lakshmi — P. 980
13. K. V. Srisitha — P. 980


Principal 28/11/23
CSTS Govt. Kelesala
Jangareddigudem-534447

Theme of the Seminar

The theme of this seminar on new trends in biological sciences could revolve around "Emerging Frontiers in Biotechnology: Unravelling Innovations and Applications." The encompasses the exploration of cutting-edge advancements in biotechnology, focusing on innovative methodologies, breakthrough discoveries, and their practical applications across various biological domains. The seminar aims to delve into diverse trends that are shaping the future of biological sciences, emphasizing their impact on research, medicine, agriculture, and environmental sustainability.

Discussing the latest developments in CRISPR technology, gene editing techniques, and their implications in treating genetic disorders and personalized medicine. Exploring the design and construction of biological components, synthetic organisms, and their potential applications in industry, healthcare, and beyond. Highlighting advancements in genomics, proteomics, metabolomics, and their role in understanding biological systems, disease mechanisms, and drug discovery.

Examining the development of novel biologics, vaccines, and therapeutic interventions derived from biological sources or through biotechnological means. Showcasing breakthroughs in stem cell technology, tissue engineering, and their use in regenerating damaged tissues or organs. Exploring how computational tools and big data analytics are revolutionizing biological research, from predicting protein structures to analysing large-scale biological datasets.

Discussing eco-friendly solutions, bioremediation techniques, and biologically inspired innovations for addressing environmental challenges and sustainability. Delving into the ethical implications of emerging biotechnological advancements, ensuring responsible use, and navigating ethical dilemmas in the field.

This theme aims to provide a comprehensive overview of the dynamic landscape of biological sciences, showcasing the interdisciplinary nature of modern biotechnology and its transformative potential in shaping the future of healthcare,

agriculture, industry, and environmental conservation. The seminar intends to inspire collaboration, critical thinking, and exploration of new frontiers among researchers, scientists, students, and industry professionals passionate about the evolving realm of biological sciences.

Objectives of the Seminar

The objectives aim to create a dynamic platform for participants to gain comprehensive insights into the latest trends, foster collaborative discussions, and ignite enthusiasm for the future of biological sciences.

- 1. Exploration of Emerging Technologies:** Introduce participants to the latest technological advancements driving innovation in biological sciences, including genomics, bioinformatics, nanotechnology, and their applications in various fields.
- 2. Understanding Cutting-edge Research:** Provide insights into recent breakthroughs and ongoing research in biological sciences, focusing on areas such as regenerative medicine, biotechnology, synthetic biology, and their potential impacts.
- 3. Facilitating Knowledge Exchange:** Foster an environment for interdisciplinary learning and knowledge-sharing among researchers, academics, and students, encouraging discussions on current trends, challenges, and future prospects in the biological sciences.
- 4. Promoting Critical Thinking and Analysis:** Encourage participants to critically evaluate the ethical, societal, and environmental implications of advancements in biological sciences, fostering a holistic understanding beyond scientific advancements alone.
- 5. Networking and Collaboration:** Facilitate networking opportunities for attendees to interact with experts, fostering potential collaborations, mentorships, and partnerships for future research endeavors.
- 6. Inspiring Future Innovators:** Motivate and inspire the next generation of scientists by showcasing the exciting opportunities and career paths available within the ever-evolving landscape of biological sciences.

ABOUT BOTANY DEPARTMENT

The Botany Department at CSTS College stands as a vibrant center of academic excellence, having successfully offered Botany courses since its establishment in 2016. This distinguished department is dedicated to unraveling the intricate beauty and complexity of plant life through a combination of theoretical knowledge, practical experiments, and ecological strategies. Within the department, botanical concepts metamorphose into immersive, hands-on experiments. The commitment to fostering future botanical expertise is evident in the dynamic curriculum, encouraging exploration and critical thinking. The department serves not only as a place of learning but as a space where students delve into the wonders of plant life.

Our faculty members are more than mere educators; they are mentors and researchers passionately propelling the success of the Botany Department. Their dedication to advancing the frontiers of botanical knowledge is reflected in their unwavering commitment to both teaching and research. The students are the heart and soul of the Botany Department, inspiring with their curiosity and creativity. Destined to shape the future of plant sciences, graduates chart diverse paths, contributing to botanical research, environmental conservation, and innovative initiatives.

The departmental library complements our academic resources, housing a diverse collection of books to support student learning. Witnessing students consistently achieve impressive pass percentages is heartening. Beyond academics, BZC and BCH students excel in sports competitions at various levels, showcasing the holistic development fostered within our department.

The Botany Department actively contributes to the overall development of CSTS College. Regularly organizing conferences, implementing best practices, hosting guest lectures, and conducting extension programs are initiatives aimed at enhancing the college's reputation while ensuring students receive a well-rounded and enriching educational experience.

ABOUT ZOOLOGY DEPARTMENT

Zoology departments in CSTS Government Kalasala, Jangareddigudem focus on the scientific study of animals. Department of Zoology started in the year 2016 at graduate level, B.SC with the combination of Chemistry, Botany & Zoology. The departments typically offer a diverse range of courses covering various aspects of animal biology, behaviour, ecology, evolution, and conservation. Their objectives revolve around academic excellence, research, practical learning, and community engagement.

The Department of Zoology covers the anatomy, physiology, taxonomy, and ecology of animals, along with specialized topics like ethology (animal behavior), genetics, and wildlife management. The Department Encourages the faculty and students to conduct research in areas such as evolutionary biology, animal physiology, conservation biology, and marine biology, contributing to the scientific knowledge base.

The Department of the Zoology gives hands-on experiences through laboratory work, field trips, and research projects that allow students to apply theoretical knowledge and gain practical skills. Emphasis on the importance of wildlife conservation, ethics in animal research, and environmental sustainability.

The Department of the Zoology provides guidance to the students for diverse career paths in research, academia, conservation, environmental policy, veterinary science, and related fields. It offers outreach programs, workshops, and seminars that engage with the community to raise awareness about animal diversity, conservation issues, and environmental stewardship.

Zoology departments play a crucial role in fostering a deeper understanding of the natural world, promoting conservation efforts, and preparing future professionals passionate about the study and welfare of animals.

ABOUT HORTICULTURE DEPARTMENT

Horticulture departments in CSTS Government Kalasala, Jangareddigudem focus on the science and art of cultivating plants for various purposes, including food production, ornamental gardens, landscaping, and environmental conservation. These departments typically offer a range of courses and activities geared toward understanding plant biology, cultivation techniques, and sustainable practices.

The department of Horticulture was started in 2021 with a combination of Botany, Horticulture and Chemistry. The department offers courses covering plant science, crop production, soil management, pest control, plant breeding, greenhouse management, and landscaping design. Practical experiences through greenhouse work, field studies, and laboratory experiments, allowing students to apply theoretical knowledge in real-world settings.

Opportunities for faculty and students to conduct research in areas such as plant genetics, crop improvement, disease resistance, sustainable agriculture, and urban greening. Focus areas may include fruit and vegetable production, floriculture (flower cultivation), medicinal plants, nursery management, and landscape design.

Emphasis on sustainable practices, conservation of natural resources, organic farming methods, and the impact of horticulture on ecosystems. Preparation of students for careers in agriculture, agribusiness, landscape architecture, horticultural therapy, research, extension services, and environmental conservation.

Horticulture departments play a crucial role in training individuals who contribute to food security, environmental sustainability, beautification of landscapes, and the promotion of healthier living through the cultivation and management of plants for various purposes.



GOLDEN JUBILEE CELEBRATIONS

From 15. 09. 2023 To 15. 09. 2024



CSTS Govt. Kalasala

Jangareddygudem, Eluru Dist, Andhra Pradesh

One Day National Symposium on

**New Trends in Biological Sciences
on 30th November, 2023**



**Organised by
Departments of Zoology, Botany & Horticulture**

CHIEF PATRON

Dr. POLA BHASKAR, IAS
Commissioner, CCE

PATRON

Dr. R. DAVID KUMAR
Joint Director, CCE

CHIEF GUEST

Dr. CHAPPIDI KRISHNA
Regional Joint Director

CHAIRMAN: Dr.N.PRASAD BABU, Principal

Convener: R.Vijayadeepika, Lecturer in Zoology

Co-Convener: Dr.M.Madhu, IQAC Coordinator

Speakers:

Dr.D. Sridhar, Dept.of Aquaculture, AKNU, Rajamahendravaram

Dr.G. Sowjanya, Dept.of Biotechnology, Thiruvalluvar University

**Dr.U.Venkateswara Prasad, School of Life Sciences, BSARC
Institute of Sciences & Technology**

Dr. J. Ramudu, Dept.of Botany, Mylavaram

Dr. T. Sujatha, Dept. of Microbiology, Rajamahendravaram

Technical Team

**Dr.K. Uttamsagar, Lecturer in Commerece,
J.Raja Srikanth, Lecturer in Computer Science**

Contact:

**T. Jhansi Rani - 9059778988,
Ch.Venkata Lakshmi-7989080473**

Organising Committee:

**Smt. T.Jhansi Rani, Lecturer in Botany,
Ch. Venkata Lakshmi, Lecturer in Horticulture**

Advisory Committee:

**Sri. B.Srinivasa Rao, Vice-Principal
Dr. G.Venkat Lal, Lecturer in Telugu
Sri.U.Venkatachaaryulu, Lecturer in Chemistry
Sri. P.Sanyasa Rao, Lecturer in English**

Members:

**Dr.Ch.Badari Narayana, Lecturer in Mathematics
Dr. G.Srinivasa Rao, Lecturer in English
Sri. B.Ashok, Lecturer in History
Sri.M.Srinivasa Rao, Lecturer in Political Science
Sri.V.Hanumantha Rao, Lecturer in Economics
Smt. Ch.Ramadevi, Lecturer in Commerece**

Registration Link - <https://forms.gle/MTBoGkbcGxHj3479A>

Visit Website - <http://cstsgk.ac.in>

Mail - jangareddigudem.manatv@gmail.com

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ONE DAY NATIONAL SYMPOSIUM

on

New Trends in Biological sciences

Organized by

Departments of Zoology, Botany & Horticulture

Programme Sheet - Date: 30.11.2023

Inaugural Session Time: 10.00AM to 10.30AM

Inviting Guests on to the Dias	:	Sri P. Sanyasa Rao, Lecturer in English
Prayer	:	Mamatha and Team
Inaugural Address	:	Dr. PolaBhaskar, IAS Commissioner of Collegiate Education, Andhra Pradesh.
Presidential Address	:	Dr. N. Prasad Babu, Principal. CSTS Govt. Kalasala, Jangareddigudem
Address by Chief Guest	:	Dr. Chappidi Krishna Regional Joint Director, Zone I & II, CCE

Technical Session-1 - Time: 10.30AM to 11.15AM

Introduction of the Resource Person:	Sri P. Sanyasa Rao, Lecturer in English
Talk by Resource Person	Dr. D. Sridhar Assistant Professor, Department of Aquaculture Topic: Sustainable Aquaculture practices for Sustainable future.

High Tea Break - Time: 11.15 AM to 11.30AM

Technical Session-2- Time: 11.30AM to 12.15PM

Introduction of the Resource Person : **T. Jhansi Rani** , Lecturer in Botany

Talk by Resource Person : **T. Sujatha**
Lecturer in Microbiology

Topic : Microbiome and Human Health

Technical Session-3- Time: 12.15PM to 1.00PM

Introduction of the Resource Person: **Ch. Venkata Lakshmi** , Lecturer in Horticulture

Talk by Resource Person : **Dr. J. Ramudu**
Lecturer in Botany

Topic : Geographical Distribution of Orchids & Its Conservation in India

Lunch Break Time: 1.00PMto 2.00PM

Technical Session-3 -Time: 2.00PM to 2.45PM

Introduction of the Resource Person : **T.Jhansi Rani**, Lecturer in Botany

Talk by Resource Person : **Dr. U. V. Prasad**
School of Life Sciences

Topic : Applications in forensics – PCR and DNA fingerprinting

Technical Session-4 -Time: 2.45PM to 3.30PM

Introduction of the Resource Person : **B. Ashok**
Lecturer in History

Talk by Resource Person : **Dr. G. Sowjenya**
Lecturer in Biotechnology

Topic : Recent advances in Applied Biology

High Tea Break Time: 3.30PMto 4.00 PM

Paper Presentations: Time: 4.00 PM to 4.45PM

Valedictory Session Time: 4.30PMto 5.00PM

Feedback from Participants

Certificates to Participants

Felicitation of Guests

Vote of Thanks : **Dr. Uttamsagar**

Inauguration

The Departments of Zoology, Botany & Horticulture hosted a remarkable One-Day National Symposium on November 30th 2023, on “New Trends in Biological Sciences” focusing on the latest advancements in Biological Sciences. The esteemed Chief Guest, Dr. N. Prasad Babu, the Principal, graced the event with his distinguished presence, adding a touch of wisdom and eminence to the symposium. The symposium served as a dynamic platform, bringing together scholars, researchers, and students passionate about exploring the forefront of Biological Sciences. Dr. N. Prasad Babu, with his visionary insights and extensive experience, captivated the audience with an address that highlighted the significance of embracing new trends in the field. His presence and guidance added an invaluable dimension to the event, fostering an environment of learning, collaboration, and innovation.

Dr .N. Prasad Babu, Principal of CSTS Government Kalasala, Jangareddigudem, Dr. D. Sridhar, an Assistant Professor renowned for his expertise in Aquaculture, has played a pivotal role in the release of an exceptional book titled "New Trends in Biological Sciences." Published in International Journals of Engineering & Sciences by the Departments of Zoology, Botany and Horticulture. This comprehensive book is a compilation of 23 meticulously researched papers that illuminate diverse facets of Biological Sciences. Curated by the Departments of Zoology, Botany & Horticulture this publication represents a collaborative effort by esteemed scholars, researchers, and experts in Biological Sciences.

Dr. D. Sridhar, an Assistant Professor, Adikavi Nannaya University, Dr.J. Ramudu, Lecturer in Botany and Dr.T. Sujatha, Associate Professor acted as resource person for offline session, Dr.G. Sowjenya, Assisstant professor in Biotechnology, Thiruvalluvar University, Serkkadu, Vellore district, Tamil Nadu and Dr. U. Venkateswara Prasad, School of life sciences, B.S. Abdur Rahman Crescent institute of Science & Technology Chennai, for online Session.

Vice Principal B. Srinivasa Rao, IQAC Co-ordinator M. Madhu, R. Vijayadeepika convener of the programme, Department of Zoology, Jhansi Rani, Department of Botany, Ch. Venkata Lakshmi, Department of Horticulture, other Teaching staff and students participated in the programme. The programme is conducted offline and online with 223 participants on google meet.

Video link of the inauguration :

https://drive.google.com/file/d/1FZJE2wx_D6DYwoItyk_1AtcX785PUcED/view?usp=sharing





**Resource Person 1 – Dr. D. Sridhar, Assistant Professor in Aquaculture,
Adikavi Nannaya University, Rajamahendravaram**

ON-DUTY LETTER

NAAC: C (II Cycle)

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From,
Dr. N. PrasadaBabu, MSc, M.Phil, Ph.D.,
Principal,
CSTS Govt. Kalasala,
Jangareddigudem

To,
Dr.D.Sridhar,
AssiatantProfessor,
Department of Aquaculture.
UCST,
Adikavi Nannaya University,
Rajamahendravam

Sir,

Sub: - Subject: Invitation as key speaker at One-Day National Seminar on “New Trends in Biological Sciences” on 30/11/2023 – Req. - Reg.

It is a great pleasure to invite you as a key speaker at One-Day National Seminar on “New Trends in Biological Sciences” on 30-11-2023 organised by Departments of Zoology & Botany, CSTS Govt. Degree Kalasala, Jangareddigudem. This is for your kind information.

Thanking You Sir.


Principal
Principal
CSTS Govt. Kalasala
Jangareddigudem, 530447/
Eluru Dist, AP

NAAC: C (II Cycle)

CHATRAPATHI SIVAJI TRI SATA JAYANTHI (CSTS) GOVT. KALASALA



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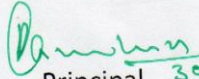
APPRECIATION LETTER

To
Dr.D.Sridhar,
Assistant Professor,
Department of Zoology/Aquaculture,
Adikavi Nannaya University,
Rajamahendravaram,
AP,India,533296.

Sub: Appreciation Certificate for your Key invited talk

This Certificate is Presented to Dr.D.Sridhar, Assistant Professor, Department of Zoology/Aquaculture for his phenomenal and excellent presentation as a invited speaker on topic Sustainable Aquaculture Practices for Sustainable future- Reference to Sustainable Developmental Goals (SDG)- Life Below Water at One-Day National Seminar on "New Trends in Biological Sciences" organised by Departments of Zoology Botany & Horticulture, CSTS Govt. Degree Kalasala, Jangareddigudem held on 30-11-2023 . We humbly appreciate you for sharing your knowledge and experience.

Thanking you


Principal 30/11/23
Principal
CSTS Govt. Kalasala
Jangareddigudem-534447

C V of Dr. D. Sridhar

It is an absolute pleasure to extend a warm welcome to each of you to one-day National symposium on new trends in Biological Sciences Today, we are honoured to have with us a luminary in the field of Aquaculture Dr.D. Sridhar, Assistant professor, Adikavi Nannayya university, Rajamahendravaram. He completed his Ph.D. from Aknu on Fish faunal diversity of Nagavali and Vamsadhara river basins of Andhra Pradesh, India.

He is a serious researcher and academician having more than 15 years of experience in both teaching and research. He has published nearly 20 papers in National and International Journals and 42 MSc Projects Successful completed under his guidance.

He attended various Training Programmes, National and international seminars as well as conferences and presented his work. He has a vast experience in administration. He held various administrative position Academic Coordinator/ Associate in Dean Academic Affairs office Adikavi Nannaya University, Rajahmundry. Convener BoS MSc Aquaculture, Adikavi Nannaya University Subject Expert Fisheries for Sir CR Reddy (A) College, Eluru and BOS member in Various boards like Aquaculture, Fisheries, Aquaculture Technology, NSQF Feed preparation and Management.

He published two Books, SSR General Studies for various competitive like Civils Group 1 Group 2 and NEET Biology Book. Two times He attended for APPSC Group 1 interview. He filed 2 patents and those patents were approved

1. Real-Time IOT Sensor-Based System for Fish and Freshwater Protection Using Machine Learning-Driven Pesticide Deployment Approved NO 202341075377- Indian Patent Office
2. Synergistic Integration of Data Analytics Models for Sustainable Agriculture: An Approach to Pesticide Application, Residue Management and Water - Soil Conservation In Crop Production – Approve No- 202341080315 – Indian Patent Office

He published 8 Book chapters also. He attended 21 Days National Refresher Course (NRC 2022) On “Fisheries, Aquaculture and Post-Harvest Technology” (Through Online Mode) (10th to 30th May, 2022) Organized by ICAR-Central Institute of Fisheries Technology, Kochi, Kerala Faculty of Fisheries, Rangil, Ganderbal (SKUAST – Kashmir) & National Agriculture Development Cooperative Ltd. Baramulla, J & K. He attended National Centre for Coastal Research (NCCR) Stakeholder meeting on "Ecosystem Services and Accounting - Coringa Mangroves" on 25th Nov 2023 at Kakinada.

PPT Link of the Talk:

https://docs.google.com/presentation/d/1R7HGcBtnx4-MX3CPmXo6ZZZB2qcYRE_f/edit?usp=drive_link&oid=106034911579923744118&rt=pof=true&sd=true

Video Link of the talk:

https://drive.google.com/file/d/14XwY2DpOTUV7pF58cKbFR-96fMHmI99L/view?usp=drive_link





Resource Person 2 – Dr. T. Sujatha, Associate Professor in Microbiology
Government Degree College(A), Rajamahendravaram

ON-DUTY LETTER

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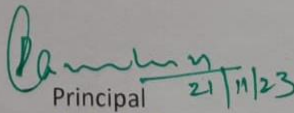
To,
The Principal,
Government College (A),
Rajamundry

Sir,

Sub:- Departments of Zoology & Botany of CSTS GDC, requesting to depute Dr. T. Sujatha, Associates Professor of Microbiology, as a Speaker for the One-Day National Seminar on " New Trends in Biological Sciences " on 30/11/2023 request - regarding.

Kindly bring to your Notice that, Departments of Zoology & Botany, CSTS Govt. Degree Kalasala, Jangareddigudem are organising a One-Day National Seminar on "New Trends in Biological Sciences " on 30-11-2023. We request you to kindly depute Dr. T. Sujatha, Associate Professor of Microbiology as a Speaker. This is for your kind information.

Thanking you sir.


Principal
Principal
CSTS Govt. Kalasala
Jangareddigudem-534447
Eluru- Dist.,A.P

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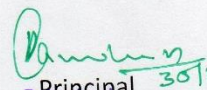
APPRECIATION LETTER

To
Dr. T. Sujatha,
Associate Professor,
Department of Microbiology,
Government Degree College(A),
Rajamahendravaram,
AP,India.

Sub: Appreciation Certificate for your Key invited talk

This Certificate is Presented to Dr. T. Sujatha, Associate Professor, Department of Microbiology for her phenomenal and excellent presentation as an invited speaker on topic Significance of Gut Microbiome and Roles of Probiotics at One-Day National Seminar on "New Trends in Biological Sciences" organised by Departments of Zoology, Botany & Horticulture, CSTS Govt. Degree Kalasala, Jangareddigudem held on 30-11-2023. We humbly appreciate you for sharing your knowledge and experience.

Thanking you


Principal 30/11/23
CSTS Govt. Kalasala
Jangareddigudem-534447

C V of T. Sujatha

Dr. T. Sujatha, Associate Professor in Microbiology, Government College(A), Rajamahendravaram. She Completed his Ph.D. from Sri Padmavathi Mahila University, Tirupathi. She had 15 years of teaching experience. She got State Level Best Teacher Award in Microbiolgy in 2016 and Best Employee in 2018.

She has published nearly 12 papers in National and International Journals ,03 book chapters & A Text book of Microbiology (Molecular biology and Microbial Genetics) for B.Sc -IV SEM Students .

She Attended One-day training programme on CBCS system on 29-9-2016. (District level) , One day work shop on implementation of e-Office- on 25-03-2019. (District level). She attended 6 Short term training programmes

PPT Link of the Talk:

<https://docs.google.com/presentation/d/1hm2vFjsHo08Cr9s0tASJI5t0ynwrokWk/edit?usp=sharing&ouid=106034911579923744118&rtpof=true&sd=true>

Video Link of the talk:

<https://drive.google.com/file/d/1sdaVBzZH5X0zL34P6EwGWLbRIxqS1MX-/view?usp=sharing>



Resource Person 3 – Dr. J.Ramudu, Lecturer In Botany

Dr L H R GOVT COLLEGE, MYLAVARAM

ON-DUTY LETTER



NAAC: C (II Cycle)

**CHATRAPATHI SIVAJI TRI SATA JAYANTHI (CSTS)
GOVT. KALASALA**

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Jangareddigudem, EluruDist

Phone : 08821-225310, Visit us at : www.cstsgk.ac.in
E-Mail : jangareddigudem.manatv@gmail.com

From
Dr. N. Prasad Babu, MSc, M.Phil, Ph.D.,
Principal ,
CSTS Govt. Kalasala ,
Jangareddigudem

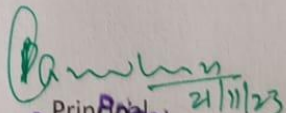
To
The Principal,
Dr.L.H.R Government College,
Myalavaram

Sir,

Sub:- Departments of Zoology & Botany of CSTS GDC, requesting to depute Dr. J. Ramudu, Lecturer in Botany, as a Speaker for the One-Day National Seminar on “ New Trends in Biological Sciences ” on 30/11/2023 request – regarding.

Kindly bring to your Notice that, Departments of Zoology & Botany, CSTS Govt. Degree Kalasala, Jangareddigudem are organising a One-Day National Seminar on “ New Trends in Biological Sciences ” on 30-11-2023. We request you to kindly depute Dr. J. Ramudu, Lecturer in Botany, as a Speaker. This is for your kind information.

Thanking you sir.


Principal
CSTS Govt. Kalasala
Jangareddigudem-534447
Eluru Dist.,A.P

**CHATRAPATHI SIVAJI TRI SATA JAYANTHI (CSTS)
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E-Mail : jangareddigudem.manatv@gmail.com



APPRECIATION LETTER

To

Dr. J. Ramudu,

Lecturer in Botany,

Dr L H R Govt. College,

Mylavaram,

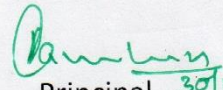
NTR District,

AP,India.

Sub: Appreciation Certificate for your Key invited talk

This Certificate is Presented to Dr. J. Ramudu, Department of Botany for his phenomenal and excellent presentation as an invited speaker on topic GEOGRAPHICAL DISTRIBUTION OF ORCHIDS AND ITS CONSERVATION IN INDIA at One-Day National Seminar on "New Trends in Biological Sciences" organised by Departments of Zoology, Botany & Horticulture, CSTS Govt. Degree Kalasala, Jangareddigudem held on 30-11-2023. We humbly appreciate you for sharing your knowledge and experience.

Thanking you


Principal 30/11/23
Principal
CSTS Govt. Kalasala
Jangareddigudem-534447

C V of Dr. J. Ramudu

Dr. J. Ramudu, Lecturer in Microbiology, Dr L H R Govt. College, Mylavaram. He Completed his Ph.D. from Acharya Nagarjuna University. He passed ASRB NET ICAR, NEW DELHI in 2017. He published 12 papers in National and International Journals ,01 book - "The Indian Orchidaceae; Morphological and Molecular Approach" in 2016.

He attended -

The "Induction Training/Orientation Programme" for Faculty in Universities/Colleges/Higher Educational Institutions (scheduled to be held from 26th June 2020 to 24th July 2020), under the most coveted MHRD-sponsored Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), organized by Teaching Learning Centre (TLC), Ramanujan College in association with Research Development and Services Cell, Ramanujan College, University of Delhi.

Participated 3DAYS PODCAST training programme conducted by CCE, A.P

- ❖ FDP ON digital teaching tools one week national level online FDP 29/6/2020 to 5/7/2020 (7 days)
- ❖ Participated 5 Days Faculty Development Programme in Botany conducted by CCE, Amravati ,A.P from 13-07-2020 to 17-07-2020.
- ❖ Participated two days online FDP on open learning with open online tools Conducted by GOVT. ARTS COLLEGE, Rajahmundry from 03-05-2020 to 04-05-2020.
- ❖ **FDP:** One week national Online FDP for faculty in universities/colleges of higher education from 27.07.2020 to 31.07.2020 conducted by IISER Bhopal.

PPT Link of the Talk :

<https://docs.google.com/presentation/d/1fJV2UilKbItrv1hcqmnSpTeMT5fEMDDv/edit?usp=sharing&ouid=106034911579923744118&rtpof=true&sd=true>

Video Link of the Talk:

<https://drive.google.com/file/d/1SUw-Zv4vrNPvANPBGUeJzyRocofjmgWf/view?usp=sharing>



Online Session

Resource Person 4– Dr.U.Venkateswara Prasad, Assistant professor

NAAC: C (II Cycle)

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E-Mail : jangareddigudem.manatv@gmail.com



From.
Dr. N. PrasadaBabu, MSc, M.Phil, Ph.D.,
Principal,
CSTS Govt. Kalasala,
Jangareddigudem

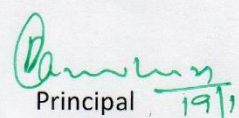
To,
Dr.U.Venkateswara Prasad
Assistant professor
School of life sciences
BSARCI, Chennai.

Sir,

Sub:-Departments of Zoology & Botany of CSTS GDC, requesting to depute Dr.U.Venkateswara Prasad, Assistant professor, School of life sciences as a Speaker for the One-Day National Seminar on "New Trends in Biological Sciences" on 30/11/2023 request - regarding.

Kindly bring to your Notice that, Departments of Zoology & Botany, CSTS Govt. Degree Kalasala, Jangareddigudem are organising a One-Day National Seminar on "New Trends in Biological Sciences" on 30-11-2023. We request you to kindly depute Dr.U. Venkateswara PrasadAssistant professor, School of life sciences as a Speaker. This is for your kind information.

Thanking you sir.


Principal 19/11

Principal
CSTS Govt. Kalasala
Jangareddigudem-534447

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E-Mail : jangareddigudem.manatv@gmail.com



APPRECIATION LETTER

To

Dr.U. Venkateswara Prasad
Assistant professor
School of life sciences
B.S. Abdur Rahman Crescent institute of Science & Technology
Sethakathi estate, G.S.T. Road,
Vandalur, Chennai-600048.

Sub: Appreciation Certificate for your Key invited talk

This Certificate is Presented to Dr.U. Venkateswara Prasad, Assistant professor, School of life sciences, for his phenomenal and excellent presentation as an invited speaker on topic Applications in forensics: PCR and DNA fingerprinting at One-Day National Seminar on "New Trends in Biological Sciences" organised by Departments of Zoology, Botany & Horticulture, CSTS Govt. Degree Kalasala, Jangareddigudem held on 30-11-2023. We humbly appreciate you for sharing your knowledge and experience.

Thanking you

Principal 30/11

Principal
CSTS Govt. Kalasala
Jangareddigudem-534447

C V of Dr. U. Venkateswara Prasad

Dr. U. Venkateswara Prasad have obtained his Bachelor's degree in life sciences and a Master's and Doctorate in Biotechnology. He have been working as a Scientist-C at ICMR-National Institute of Traditional Medicine, Belgaum, for more than 7 years.

His experience as a graduate researcher and Scientist oriented sturdily in Biotechnology concerned with Cloning expression and Characterization of Genes involved in the pathogenesis using biochemical, biotechnological techniques, and *Insilco* tools. His graduate research was also accomplished with the Isolation, purification, and characterization of Human intestinal alkaline phosphatase and its role in the pathogenicity of Gastric ulcers.

He involved in multiple other projects as a Guide for MSc students and in processing clinical samples from the Hospital. Novel findings of the mutations and their consequences in the disease progression data published in high-impact journals. More than 30 genes were sequenced and analyzed, deposited into the NCBI Gen bank

His current research focuses on developing throat swab PCR to identify toxin A and B from suspected *Corynebacterium diphtheria* patients and characterize pathogens involved in Diarrhea. He is also working on diagnosing Leptospirosis, Brucellosis, Rickettsiosis, and Dengue fevers using the ELISA test and PCR in our Unit.

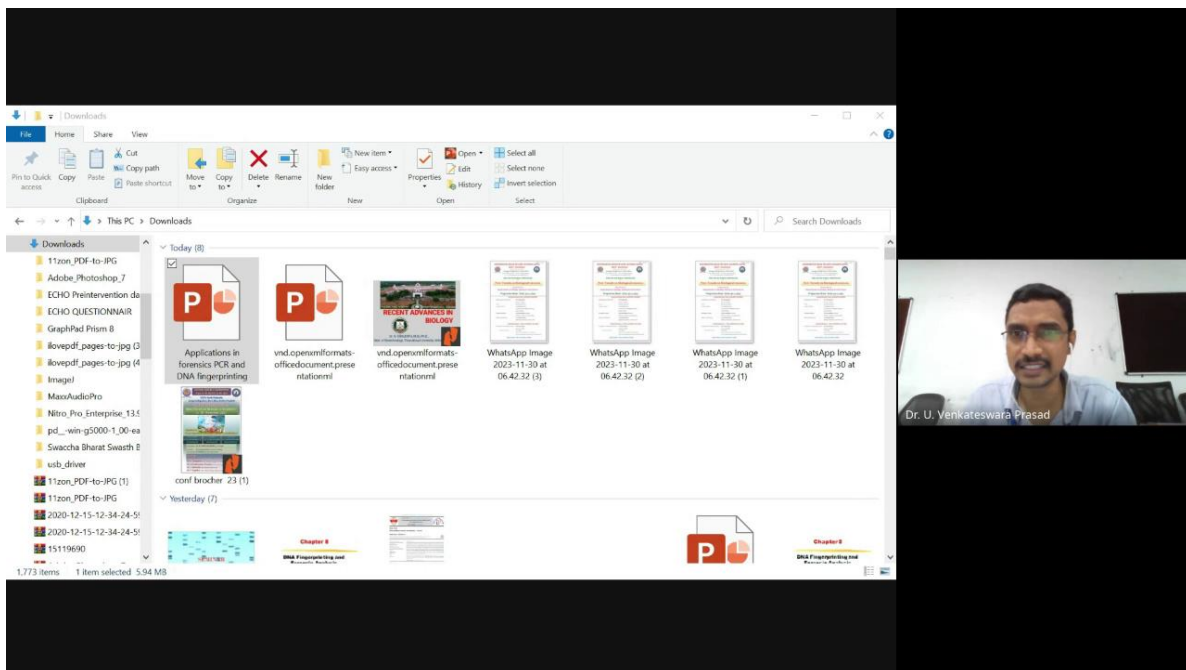
He had work experience of more than 13 years includes doctorate work and expertise in Microbiology, Molecular biology, biochemistry, Epidemiology, and Public Health in multi-discipline areas. Currently, have more than 30 publications in peer-reviewed journals. All these merits motivated him to apply for this immense opportunity where he will have a prospect to sustain as a worthy researcher to mold his bright career towards great success.

PPT Link of the Talk :

https://docs.google.com/presentation/d/186KIfhWn_CKaYDyiB1gVRbJYihj_ZOUy/edit?usp=sharing&oid=106034911579923744118&rtpof=true&sd=true

Video Link of the Talk:

https://drive.google.com/file/d/1XOI0X1fRKxGNyF0xfXMaP0o2GjdH_g30/view?usp=sharing



PCR Amplifies Specific DNA Sequences

Targeted sequence

3' 5' 5' 3'

Heat, cool, add primers to get ssDNA that primers anneal to

Primer 3' 5' 3' 5'


Add Taq polymerase, dGTP, dCTP, dATP, dTTP to synthesize complementary strand

3' 5' 3' 5' 3' 5' 3' 5'

Repeat cycle 25 to 75 times

- **Denaturation (94°C)** Double-stranded DNA is “unzipped” into single strands.
- **Annealing (40-65°C)** Primers base pair with the target DNA sequence.
- **Extension (72°C)** Taq polymerase extends the primer and synthesizes a new strand of DNA.

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Institute of Science & Technology
Hyderabad, India
www.crescentinstitute.com



Dr. U. Venkateswara Prasad

Resource Person 5– Dr. G. SOWJENYA, Assistant Professor in Biotechnology
Thiruvalluvar University, Serkkadu, Vellore district, Tamil Nadu

NAAC: C (II Cycle)

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E-Mail : jangareddigudem.manatv@gmail.com



From.
Dr. N. PrasadaBabu, MSc, M.Phil, Ph.D.
Principal,
CSTS Govt. Kalasala,
Jangareddigudem

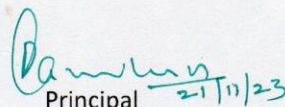
To,
The Principal,
Thiruvalluvar University,
Vellore District,
Tamilnadu

Sir,

Sub :- Departments of Zoology & Botany of CSTS GDC, requesting to depute Dr. G. Sowjenya, Assistant Professor of Biotechnology, as a Speaker for the One-Day National Seminar on "New Trends in Biological Sciences" 30/11/2023 request – regarding.

Kindly bring to your Notice that, Departments of Zoology & Botany, CSTS Govt. Degree Kalasala, Jangareddigudem are organising a One-Day National Seminar on "New Trends in Biological Sciences" on 30-11-2023. We request you to kindly depute Dr.G.Sowjenya, Assistant Professor of Biotechnology as a Speaker. This is for your kind information.

Thanking you sir.


Principal 21/11/23
Principal
CSTS Govt. Kalasala
Jangareddigudem-534447
Eluru Dist.,A.P

NAAC: C (II Cycle)

**CHATRAPATHI SIVAJI TRI SATA JAYANTHI (CSTS)
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Phone : 08821-225310, Visit us at : www.cstsgk.ac.in

E-Mail : jangareddigudem.manatv@gmail.com



APPRECIATION LETTER

To

Dr. G. SOWJENYA,

Assistant Professor,

Department of Biotechnology,

Thiruvalluvar University,

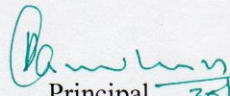
Serkkadu, Vellore district,

Tamil Nadu

Sub: Appreciation Certificate for your Key invited talk

This Certificate is Presented to Dr. G. SOWJENYA, Department of Biotechnology, for her phenomenal and excellent presentation as an invited speaker on topic "Applications in forensics – PCR and DNA fingerprinting" at One-Day National Seminar on "New Trends in Biological Sciences" organised by Departments of Zoology, Botany & Horticulture, CSTS Govt. Degree Kalasala, Jangareddigudem held on 30-11-2023. We humbly appreciate you for sharing your knowledge and experience.

Thanking you


Principal 30/11/23

Principal
CSTS Govt. Kalasala
Jangareddigudem-534447
Eluru Dist.,A.P

CV of Dr. G. SOWJENYA

Dr. G. SOWJENYA, Assistant Professor in Biotechnology, Thiruvalluvar University, Serkkadu, Vellore district, Tamil Nadu. She Completed his Ph.D. from Sri Venkateswara Institute of Medical Sciences, Tirupati in “Genetic Polymorphism of CytochromeP450 and its association with endothelial dysfunction in patients with Coronary Artery Disease”.

She had 5 years of teaching experience. She Worked as Research Technical writer at Aristocrat Research Solutions, Chennai. She also Worked as skilled assistant in the Department of Biotechnology and Bioinformatics, SVIMS University, Tirupati.

She has published nearly 9 papers in National and International Journals, 04 paper presentations and one M.Sc. project on “DNA Genotyping of *Staphylococcus aureus* from various sources by using RAPD-PCR”.

PPT of the talk:

https://docs.google.com/presentation/d/1XsCst9_NmfUVu4n0TaYZyYmPzpjYVBau/edit?usp=sharing&oid=106034911579923744118&rtpof=true&sd=true

Video Link of the talk:

<https://drive.google.com/file/d/1e0AFZJqXe6sV6GDdjRrRXYtQY1bq0DIS/view?usp=sharing>

Meet - nbn-qkub-mtj

meet.google.com/nbn-qkub-mtj?authuser=5

csst gov't kalasala,jangareddigudem (Presenting)

Bionanotechnology

Nanofertilizers Nano-Packaging

Increase Productivity

Stimulate the Growth Smart Monitoring

Improve Quality

Nanopesticides Biosensors

People

Mute all Add people

Let everyone turn on their microphone

Turning this off might remove people using an outdated Meet app or non-Google meeting hardware. They can rejoin when it's turned on again.

Search for people

IN MEETING

Raised hands 2

(first to last) Lower all

krack gamer yt

siva Krishna

Contributors 217

16:03 | nbn-qkub-mtj

31°C Mostly sunny

Search

ENG IN

16:03 30-11-2023

Meet - nbn-qkub-mtj

meet.google.com/nbn-qkub-mtj?authuser=5

csst gov't kalasala,jangareddigudem (Presenting)

Biosensor assay

Analyte

- Enzyme
- Antigen
- DNA/RNA
- Protein
- Toxin
- Virus
- Heavy metal
- Pesticide
- Low molecular weight substrate

Biological recognition element

- Enzyme
- Antibody
- Oligonucleotide
- Receptor protein
- Microrganism
- Whole cell/tissue slice
- Tissue slice

Transducer

Electrochemical

Optical

Physical

Electrical signal

Data processing

Quantitative or semi-quantitative analytical information

People

Mute all Add people

Let everyone turn on their microphone

Turning this off might remove people using an outdated Meet app or non-Google meeting hardware. They can rejoin when it's turned on again.

Search for people

IN MEETING

Raised hands 2

(first to last) Lower all

krack gamer yt

siva Krishna

Contributors 217

16:09 | nbn-qkub-mtj

31°C Mostly sunny

Search

ENG IN

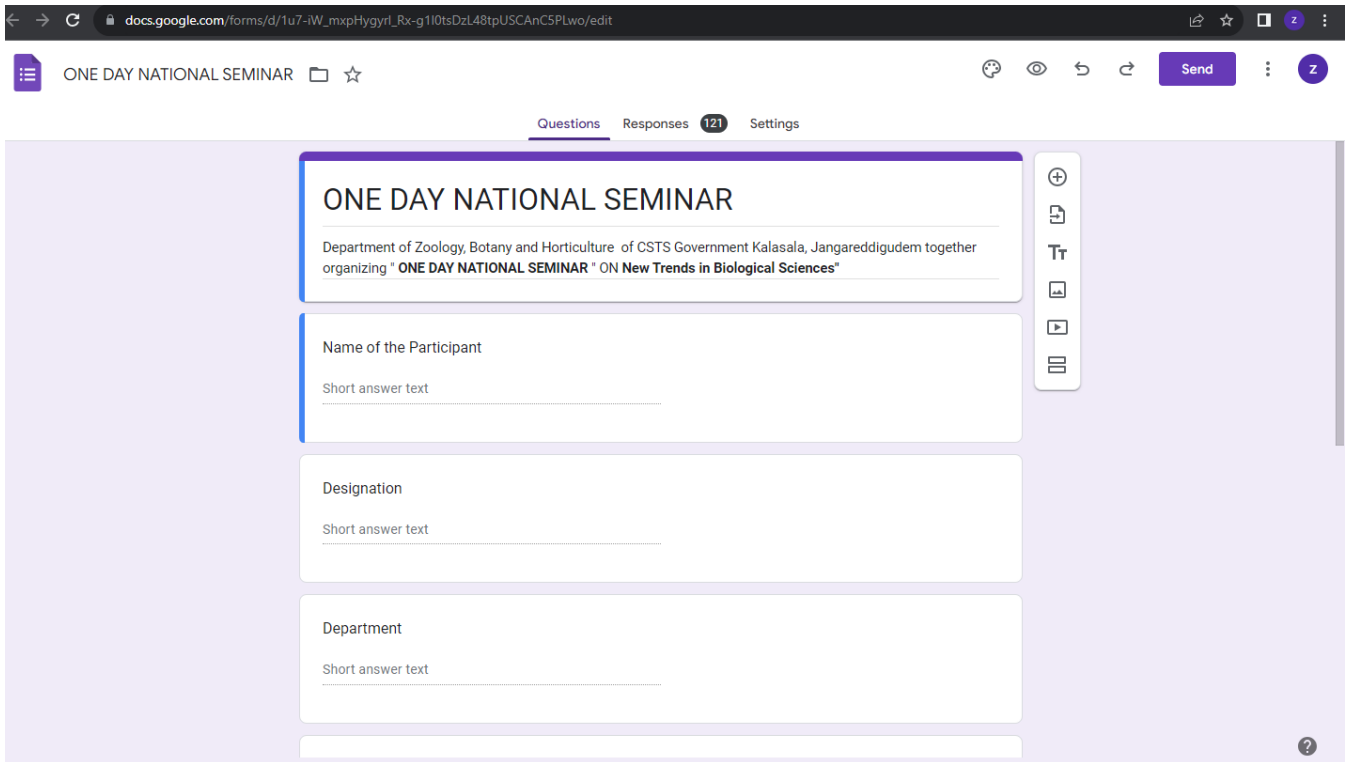
16:09 30-11-2023

List of Participants/Presenter of the Research Papers

S.No	Name of the Participant	Subject	College	Title of the Paper
1.	1. Dr. M. Venkateswara Rao 2. Prof. Venkaiah Yanamala	Zoology	SR&BGNR GDC., Khammam. Kakatiya University. Warangal	Protein Profile Changes in Gill Tissue of Two Fresh Water Fishes Channa Punctatus and Labeo Rohita Exposed To Malathion (Organophosphate) In Sds-Page A Comparative Study
2.	1. CH .Devi Palaka 2. Mr S V V D M Bhanuprasad	Botany	SCIM GOVERNMENT COLLEGE TANUKU	Plants response towards climate change : Acclimatization capacities of plants to ambient conditions of climate.
3.	Dr. C. ARUNA	Botany	Dr. YSR Government Degree College, Vedurukuppam, Chittoor district	Digital Farming in Horticulture Revolutionizing Crop Management and Monitoring
4.	1. Dr.K. Usha rani 2. P. Prasanna Kumari 3. Dr.B.Padmaja	Zoology	DNR College, Bhimavaram	Ethno Medicinal Plants Used In Veterinary Practices of Konda Reddies in Papi hills, West Godavari Dist, Andhra Pradesh:: India.
5.	T.JHANSI RANI	Botany	CSTS GDC, JANGAREDDIGUD EM	Climate Change Effects On Biodiversity: Ecological Impacts And Conservation Strategies
6.	1. Dr.J. Ramudu 2. S.M. Khasim 3. Rahmathulla SK	Botany Botany & Microbiology	Dr LHR Govt. Degree College Myalavaram Acharya Nagarjuna University, Nagarjunanagar,	Geographical Distribution Of Orchids And Its Conservation In India
7	1. Dr. M.Rama krishna 2. M.Srinivas	Zoology	SCIM, Palakole Veeravasam	The role of microbiome in human health current insights and challenges
8	K. Uttamsagar	Commerce	CSTS GDC, JRG	Exploring Digital and Innovative Practices in Agriculture
9	M.Madhu	Chemistry	CSTS GDC, JRG	Innovative Trends in Biological Science
10	U. Venkatacharyulu	Chemistry	CSTS GDC, JRG	One Health Approach In Zoology Integrating Human, Animal And Environmental Health For Global Well-Being

11	1.Dr. S. Swarupa Rani, 2.P. Meghana,	Botany	GVR, GDC, Dhone	Biotechnology In Agriculture And Horticulture
12.	V.Sai Sunil	Physics	CSTS GDC,JRG	The intersection of Artificial intelligence and biological sciences
13.	B.Sonia	Student	CSTS GDC,JRG	Adaptive strategies of plants in response to climate change
14.	1.Sk. Karishma 2.K .Sravani	Student	CSTS GDC,JRG	Sustainable Urban Agriculture: Innovative Practices in Horticulture
15	1.Ch. Venkata Lakshmi 2.R.Vijayadeepika	Horticulture	CSTS GDC,JRG	Digital Farming In Horticulture Revolutionizing Crop Management And Monitoring
16	B.Srinivasa Rao	Economics	CSTS GDC,JRG	Bean to Bar – The Innovations In Horticulture Crops in and Around Jangareddigudem, Andhra Pradesh – A Case Study Of Palm Jaggery Organic Chocolate Making In Economics Perspective
17	1.Dr. CH. BADARI NARAYANA 2.CH.Ramadevi	Maths & Commerce	CSTS GDC,JRG	Technology For Advancement Of Horticulture And Increased Productivity
18	M.Srinivasa Rao	Political Science	CSTS GDC,JRG	ప్రాణుల పరిణామం
19	1.K. Anusha 2.T.Naga Sandhya	students	CSTS GDC,JRG	Digital Farming in Horticulture: Revolutionizing Crop Management and Monitoring
20	Dr.G.Venkat Lal	Telugu	CSTS GDC,JRG	మనిషి పరిణామానికి ప్రతీక విశ్వంభర కావ్యం
21	V.Madan Mohan Rao	Botany	GDC,CHINTALAP UDI	Digital Farming- Scenarios in Indian Agriculture
22	1.K.V.V.Sirisha 2.V. Hanumantha Rao 3.J. Raja Srikanth	Commerce Economics Computers	CSTS GDC,JRG	Advancements in Plants Bio-Technology For Crop Improvement.
23	G.Srinivasa Rao	English	CSTS GDC,JRG	Advancements In Plant Bio-Technology For Crop

Online registered Participants



The image shows a Google Forms interface for a registration form. The browser address bar at the top displays the URL: docs.google.com/forms/d/1u7-IW_mxpHygrl_Rx-g110tsDzL48tpUSCAnc5PLwo/edit. The form title is "ONE DAY NATIONAL SEMINAR". Below the title, the text reads: "Department of Zoology, Botany and Horticulture of CSTS Government Kalasala, Jangareddigudem together organizing * ONE DAY NATIONAL SEMINAR * ON New Trends in Biological Sciences". The form contains three text input fields: "Name of the Participant", "Designation", and "Department", each with a "Short answer text" label. A "Send" button is visible in the top right corner. The navigation tabs at the top show "Questions", "Responses" (with a count of 121), and "Settings".

ONE DAY NATIONAL SEMINAR

Department of Zoology, Botany and Horticulture of CSTS Government Kalasala, Jangareddigudem together organizing * ONE DAY NATIONAL SEMINAR * ON New Trends in Biological Sciences*

Name of the Participant

Short answer text

Designation

Short answer text

Department

Short answer text

Registration link: <https://forms.gle/ygRLUbwLCyUUUusr9>

Feedback

NAAC : C (II Cycle)

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E-Mail : jangareddigudem.manatv@gmail.com



Departments of Zoology, Botany & Horticulture

One Day National Seminar on New Trends in Biological Sciences

Feed Back form

Full Name: **Dr. D. SRIDHAR**

Designation : **Assistant professor**

College : **Adikevi Nannaya University.**

1. Did the Seminar met your expectations?
 Yes
2.) No
2. Resource persons communicated properly
 Yes
2.) No
3. Program was well planned within the time slot
 Yes
2.) No
4. How would you rate the Seminar on 3 scale rating?
1.) Good
2.) Very Good
 Excellent
5. How do you feel the Resource Persons Sessions?
1.) Good
2.) Very Good
 Excellent

Any Suggestions:

In future also you need to conduct this type of seminars to enhance the students knowledge.

D. Sridhar

**CHATRAPATHI SIVAJI TRI SATHA JAYANTHI (CSTS)
GOVT. KALASALA**



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Jangareddigudem, EluruDist

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E-Mail : jangareddigudem.manatv@gmail.com



Departments of Zoology, Botany & Horticulture

One Day National Seminar on New Trends in Biological Sciences

Feed Back form

Full Name: *Dr. J. Ramudu*

Designation : *Lecturer in Botany*

College : *Dr LHR Govt. Degree College
Hyderabad*

1. Did the Seminar met your expectations?
 1.) Yes
 2.) No
2. Resource persons communicated properly
 1.) Yes
 2.) No
3. Program was well planned within the time slot
 1.) Yes
 2.) No
4. How would you rate the Seminar on 3 scale rating?
 1.) Good
 2.) Very Good
 3.) Excellent
5. How do you feel the Resource Persons Sessions?
 1.) Good
 2.) Very Good
 3.) Excellent

Any Suggestions: *Good programme, well planned*

JR
30/11/2013

**CHATRAPATHI SIVAJI TRI SATA JAYANTHI (CSTS)
GOVT. KALASALA**



Enter to Learn - Leave to Serve

Jangareddigudem, EluruDist

Phone : 08821-225310, Visit us at : www.cstsgk.ac.in

E-Mail : jangareddigudem.manatv@gmail.com



Departments of Zoology, Botany & Horticulture

One Day National Seminar on New Trends in Biological Sciences

Feed Back form

Full Name: Dr. T. Sujatha

Designation : Associate Professor

College : Government College (Autonomous)

1. Did the Seminar met your expectations?

1.) Yes

2.) No

2. Resource persons communicated properly

1.) Yes

2.) No

3. Program was well planned within the time slot

1.) Yes

2.) No

4. How would you rate the Seminar on 3 scale rating?

1.) Good

2.) Very Good

3.) Excellent

5. How do you feel the Resource Persons Sessions?

1.) Good

2.) Very Good

3.) Excellent

Any Suggestions:

coordination and conduction of the symposium
is very good

T. S. Sujatha
30/11/23.

Online feedback

Feedback form

Departments of Zoology, Botany & Horticulture of CSTS GOVERNMENT KALASALA, JANGAREDDIGUDEM, Eluru district is organizing a **One Day National Seminar on "NEW TRENDS IN BIOLOGICAL SCIENCES" On 30-11-2023.**

Email address *
Short answer text

Full Name *
Short answer text

Designation *
Short answer text

Feedback form

Trying to connect...

Program was well planned within the time slot *
 Yes
 No

How would you rate the Seminar on 5 scale rating? *
Good 1 2 3 4 5 Excellent

How do you feel the Resource Persons Sessions? *
Good 1 2 3 4 5 Excellent

Feedback form

College Name *
Short answer text

Did the Seminar met your expectations *
 Yes
 No

Resource persons communicated properly *
 Yes
 No

Program was well planned within the time slot *
 Yes
 No



**CSTS Govt. Kalasala
Jangareddigudem, Eluru District, AP.**

(Affiliated to Adikavi Nannaya University)



CERTIFICATE

This is to certify that Mr./Mrs./Ms./Dr. M.Venkateswara Rao, Assistant Professor in Zoology,

From SR& BGNR GOVT-ARTS AND SCIENCE COLLEGE (A) · Khammam · Telangana

has Presented a Paper titled PROTEIN PROFILE CHANGES IN GILL TISSUE OF TWO FRESH WATER FISHES CHANNA PUNCTATUS AND LABEO ROHITA EXPOSED TO MALATHION (ORGANOPHOSPHATE) IN SDS-PAGE A COMPARATIVE STUDY

One Day National Symposium on **"New Trends in Biological Sciences"**, organized

by the Departments of Zoology, Botany & Horticulture, CSTS Govt. Kalasala, Jangareddigudem

on 30th November, 2023.

Convener

Principal



**CSTS Govt. Kalasala
Jangareddigudem, Eluru District, AP.**

(Affiliated to Adikavi Nannaya University)



CERTIFICATE

This is to certify that Mr./Mrs./Ms./Dr. U.Srineetha, Assistant professor in zoology

From GOVERNMENT DEGREE COLLEGE FOR WOMEN, PULIVENDULA

has Participated in the One Day National Symposium on **New Trends in Biological Sciences**

organized by the Departments of Zoology, Botany & Horticulture, CSTS Govt. Kalasala,

Jangareddigudem on 30th November, 2023.

Convener

Principal

Paper Clipping

Pelle Jyothi Paper

స్థానిక ప్రభుత్వ డిగ్రీ కళాశాల నందు జీవ శాస్త్రాలలో కొత్త పోకడలపై సదస్సు

జంగారెడ్డిగూడెం , నవంబర్ 30, పల్లెజ్యోతి ప్రతినది

స్థానిక చత్రపతి శివాజీ త్రి శతజయంతి ప్రభుత్వ డిగ్రీ నందు 30-11-23 న వృక్ష శాస్త్రము జంతుశాస్త్రము ఉద్యాన శాస్త్ర విభాగాలు కలిసి సదస్సు నిర్వహించడం జరిగింది. ఈ కార్యక్రమంలో కళాశాల ప్రిన్సిపల్ డా. ఎన్. ప్రసాద్ బాబు మాట్లాడుతూ బయోలాజికల్ సైన్స్ ప్రాముఖ్యతను గురించి వివరించారు. దీనితో పాటు 23 పేపర్లు ప్రచురితమైన జర్నల్ ని రిసోర్స్ పర్సన్ తో కలిసి ఆవిష్కరించడం జరిగింది. ఈ కార్యక్రమంలో రిసోర్స్ పర్సన్ డాక్టర్ డి. శ్రీధర్ ఆసిస్టెంట్ ప్రొఫెసర్, ఆదికవి నన్నయ్య యూనివర్సిటీ మాట్లాడుతూ బయో డైవర్సిటీ గురించి ఆక్సా కల్చర్ గురించి చేపల పెంపకంలో సుస్థిర అభివృద్ధి గురించి వివరించారు. డా. డి.సుజాత ఆర్ట్స్ కాలేజీ రాజమండ్రి ఆసోసియేట్ ప్రొఫెసర్, మైక్రో బయాలజీ విభాగం మాట్లాడుతూ మానవుని ఆరోగ్యంలో సూక్ష్మజీవుల పాత్ర ఏ విధంగా ఉంటుంది అనే అంశం గురించి వివరించారు. డా. జె.రాముడు లక్ష్మిరెడ్డి హనిమిరెడ్డి ప్రభుత్వ డిగ్రీ కళాశాల మైలవరం వృక్ష శాస్త్ర అధ్యాపకులు మాట్లాడుతూ వివత్తులో ఉన్న వృక్షజాతులు గురించి వాటిని రక్షించుకోవాలంటే మనం ఏ విధమైన చర్యలు తీసుకోవాలి అనే అంశం గురించి వివరించారు. డా. జి. సౌజన్య తిరువళ్లూరు యూనివర్సిటీ ఆసిస్టెంట్ ప్రొఫెసర్ జీవ సాంకేతిక శాస్త్ర విభాగం మాట్లాడుతూ అనువర్తిత జీవశాస్త్రంలో ప్రస్తుత పరిణామాలు గురించి వివరించారు. డా. యు. వి. ప్రసాద్ నేరశాస్త్ర విభాగంలో పిసిఆర్ మరియు



డిఎన్ఎ ఫింగర్ ప్రింటింగ్ గురించి వివరించడం జరిగింది.ఈ కార్యక్రమంలో వృక్ష శాస్త్ర విభాగం నుంచి శ్రీమతి డి. రూప్సీ రాణి, జంతు శాస్త్ర విభాగం నుంచి శ్రీమతి ఆర్. విజయ దీపిక, ఉద్యానవన శాస్త్ర విభాగం నుంచి సిహెచ్. వెంకటలక్ష్మి, కళాశాల వైస్ చైర్మన్ డి. శ్రీనివాసరావు, కళాశాల ఐ క్యూ ఏ సి కోఆర్డినేటర్ డా. ఎమ్.మధు, కార్యక్రమ నిర్వహణ కమిటీ పి.ఎస్. రావు, యు. వెంకటాచార్యులు, డా. సిహెచ్.బదరీ నారాయణ, ఇతర అధ్యాపక అధ్యాపకేతర సిబ్బంది కళాశాల సైన్స్ విభాగ విద్యార్థులు పాల్గొన్నారు.

Godavari Paper

ప్రభుత్వ డిగ్రీ కళాశాల నందు జీవ శాస్త్రాలలో కొత్త పోకడలపై సదస్సు

జంగారెడ్డిగూడెం నవంబర్ 30 (గోదావరి విలేఖరి) : ఏలూరు జిల్లా జంగారెడ్డిగూడెం చత్రపతి శివాజీ త్రి శతజయంతి ప్రభుత్వ డిగ్రీ కళాశాల నందు గురువారం నాడు వృక్ష శాస్త్రము జంతు శాస్త్రము ఉద్యాన శాస్త్ర విభాగాలు కలిసి సదస్సు నిర్వహించడం జరిగింది. ఈ కార్యక్రమంలో కళాశాల ప్రిన్సిపల్ డా. ఎన్. ప్రసాద్ బాబు మాట్లాడుతూ బయోలాజికల్ సైన్స్ ప్రాముఖ్యతను గురించి వివరించారు. దీనితో పాటు 23 పేపర్లు ప్రచురితమైన జర్నల్ ని రిసోర్స్ పర్సన్ తో కలిసి ఆవిష్కరించడం జరిగింది. ఈ కార్యక్రమంలో రిసోర్స్ పర్సన్ డాక్టర్ డి. శ్రీధర్ ఆసిస్టెంట్ ప్రొఫెసర్, ఆదికవి నన్నయ్య యూనివర్సిటీ మాట్లాడుతూ బయో డైవర్సిటీ గురించి ఆక్సా కల్చర్ గురించి చేపల పెంపకంలో సుస్థిర అభివృద్ధి గురించి వివరించారు. డా. డి.సుజాత ఆర్ట్స్ కాలేజీ రాజమండ్రి ఆసోసియేట్ ప్రొఫెసర్, మైక్రో బయాలజీ విభాగం మాట్లాడుతూ మానవుని ఆరోగ్యంలో సూక్ష్మజీవుల పాత్ర ఏ విధంగా ఉంటుంది అనే అంశం గురించి వివరించారు. డా. జె.రాముడు లక్ష్మిరెడ్డి హనిమిరెడ్డి ప్రభుత్వ డిగ్రీ కళాశాల మైలవరం వృక్ష శాస్త్ర అధ్యాపకులు మాట్లాడుతూ వివత్తులో ఉన్న వృక్షజాతులు గురించి వాటిని రక్షించుకోవాలంటే మనం ఏ విధమైన చర్యలు తీసుకోవాలి అనే అంశం గురించి వివరించారు. డా. జి. సౌజన్య తిరువళ్లూరు యూనివర్సిటీ ఆసిస్టెంట్ ప్రొఫెసర్ జీవ సాంకేతిక శాస్త్ర విభాగం మాట్లాడుతూ



అనువర్తిత జీవశాస్త్రంలో ప్రస్తుత పరిణామాలు గురించి వివరించారు. డా. యు. వి. ప్రసాద్ నేరశాస్త్ర విభాగంలో పిసిఆర్ మరియు డిఎన్ఎ ఫింగర్ ప్రింటింగ్ గురించి వివరించడం జరిగింది.ఈ కార్యక్రమంలో వృక్ష శాస్త్ర విభాగం నుంచి డి. రూప్సీ రాణి, జంతు శాస్త్ర విభాగం నుంచి ఆర్. విజయ దీపిక, ఉద్యానవన శాస్త్ర విభాగం నుంచి సిహెచ్.వెంకటలక్ష్మి, కళాశాల వైస్ చైర్మన్ డి. శ్రీనివాసరావు, కళాశాల ఐ క్యూ ఏ సి కోఆర్డినేటర్ డా. ఎమ్.మధు, కార్యక్రమ నిర్వహణ కమిటీ పి.ఎస్. రావు, యు. వెంకటాచార్యులు, డా. సిహెచ్. బదరీ నారాయణ, ఇతర అధ్యాపక అధ్యాపకేతర సిబ్బంది కళాశాల సైన్స్ విభాగ విద్యార్థులు పాల్గొన్నారు.

స్థానిక ప్రభుత్వ డిగ్రీ కళాశాల నందు జీవ శాస్త్రాలలో కార్యక్రమం ప్రారంభం

(తెలుగు వార్త న్యూస్), జంగారెడ్డిగూడెం : స్థానిక చత్రపతి శివాజీ త్రి శతజయంతి ప్రభుత్వ డిగ్రీ నందు 30-11-23 న వృక్ష శాస్త్రము జంతుశాస్త్రము ఉద్యాన శాస్త్ర విభాగాలు కలిసి సదస్సు నిర్వహించడం జరిగింది. ఈ కార్యక్రమంలో కళాశాల ప్రిన్సిపల్ డా. ఎన్. ప్రసాద్ బాబు మాట్లాడుతూ బయోలాజికల్ సైన్స్ ప్రాముఖ్యతను గురించి వివరించారు. దీనితో పాటు 23 పేపర్లు ప్రచురితమైన జర్నల్ ని రిసోర్స్ పర్సన్స్ తో కలిసి ఆవిష్కరించడం జరిగింది. ఈ కార్యక్రమంలో రిసోర్స్ పర్సన్ డాక్టర్ డి. శ్రీధర్ అసిస్టెంట్ ప్రొఫెసర్, ఆదికవి నన్నయ్య యూనివర్సిటీ మాట్లాడుతూ బయో డైవర్సిటీ గురించి ఆక్వా కల్చర్ గురించి చేపల పెంపకంలో సుస్థిర అభివృద్ధి గురించి వివరించారు. డా. టి.సుజాత ఆర్ట్స్ కాలేజ్ రాజమండ్రి అసోసియేట్ ప్రొఫెసర్, మైక్రో బయాలజీ విభాగం మాట్లాడుతూ మానవుని ఆరోగ్యంలో సూక్ష్మజీవుల పాత్ర ఏ విధంగా ఉంటుంది అనే అంశం గురించి వివరించారు. డా. జె.రాముడు లక్ష్మిరెడ్డి హనిమిరెడ్డి ప్రభుత్వ డిగ్రీ కళాశాల మైలవరం వృక్ష శాస్త్ర అధ్యాపకులు మాట్లాడుతూ వివర్తనలో ఉన్న వృక్షజాతులు గురించి వాటిని రక్షించుకోవాలంటే మనం ఏ విధమైన చర్యలు తీసుకోవాలి అనే అంశం గురించి వివరించారు. డా. జి. సౌజన్య తిరువళ్లూరు యూనివర్సిటీ అసిస్టెంట్ ప్రొఫెసర్ జీవ సాంకేతిక శాస్త్ర విభాగం మాట్లాడుతూ అనువర్తిత జీవశాస్త్రంలో ప్రస్తుత పరిణామాలు గురించి వివరించారు. డా. యు. వి. ప్రసాద్ నేరశాస్త్ర విభాగంలో పిసిఆర్



మరియు డిఎన్ఏ ఫింగర్ ప్రింటింగ్ గురించి వివరించడం జరిగింది. ఈ కార్యక్రమంలో వృక్ష శాస్త్ర విభాగం నుంచి శ్రీమతి టి. రుషాన్ రాణి, జంతు శాస్త్ర విభాగం నుంచి శ్రీమతి ఆర్. విజయ దీపిక, ఉద్యానవన శాస్త్ర విభాగం నుంచి సిహెచ్. వెంకటలక్ష్మి, కళాశాల వైస్ ప్రిన్సిపల్ బి. శ్రీనివాసరావు, కళాశాల ఐ క్యూ ఏ సి కోఆర్డినేటర్ డా. ఎమ్.మధు, కార్యక్రమ నిర్వహణ కమిటీ పి.ఎస్. రావు, యు. వెంకటాచార్యులు, డా. సిహెచ్.బదరీ నారాయణ, ఇతర అధ్యాపక అధ్యాపకేతర సిబ్బంది కళాశాల సైన్స్ విభాగ విద్యార్థులు పాల్గొన్నారు.

ప్రభుత్వ డిగ్రీ కళాశాల నందు జీవ శాస్త్రాలలో కొత్త పోకడలపై సదస్సు.

జంగారెడ్డిగూడెం నవంబర్ 30 (ఆశాజ్యోతి విలేఖరి) ఏలూరు జిల్లా జంగారెడ్డిగూడెం చత్రపతి శివాజీ త్రి శతజయంతి ప్రభుత్వ డిగ్రీ కళాశాల నందు గురువారం నాడు వృక్ష శాస్త్రము జంతుశాస్త్రము ఉద్యాన శాస్త్ర విభాగాలు కలిసి సదస్సు నిర్వహించడం జరిగింది. ఈ కార్యక్రమంలో కళాశాల ప్రిన్సిపల్ డా. ఎన్. ప్రసాద్ బాబు మాట్లాడుతూ బయోలాజికల్ సైన్స్ ప్రాముఖ్యతను గురించి వివరించారు. దీనితో పాటు 23 పేపర్లు ప్రచురితమైన జర్నల్ ని రిసోర్స్ పర్సన్స్ తో కలిసి



ఆవిష్కరించడం జరిగింది. ఈ కార్యక్రమంలో రిసోర్స్ పర్సన్ డాక్టర్ డి. శ్రీధర్ అసిస్టెంట్ ప్రొఫెసర్, ఆదికవి నన్నయ్య యూనివర్సిటీ మాట్లాడుతూ బయో డైవర్సిటీ గురించి ఆక్వా కల్చర్ గురించి చేపల పెంపకంలో సుస్థిర అభివృద్ధి గురించి వివరించారు. డా. టి.సుజాత ఆర్ట్స్ కాలేజ్ రాజమండ్రి అసోసియేట్ ప్రొఫెసర్, మైక్రో బయాలజీ విభాగం మాట్లాడుతూ మానవుని ఆరోగ్యంలో సూక్ష్మజీవుల పాత్ర ఏ విధంగా ఉంటుంది అనే అంశం గురించి వివరించారు. డా. జె.రాముడు లక్ష్మిరెడ్డి హనిమిరెడ్డి ప్రభుత్వ డిగ్రీ కళాశాల మైలవరం వృక్ష శాస్త్ర అధ్యాపకులు మాట్లాడుతూ విపత్తులో ఉన్న వృక్షజాతులు గురించి వాటిని రక్షించుకోవాలంటే మనం ఏ విధమైన చర్యలు తీసుకోవాలి అనే అంశం గురించి వివరించారు. డా. జి. సౌజన్య తిరువళ్లూరు యూనివర్సిటీ అసిస్టెంట్ ప్రొఫెసర్ జీవ సాంకేతిక శాస్త్ర విభాగం మాట్లాడుతూ అనువర్తిత జీవశాస్త్రంలో ప్రస్తుత పరిణామాలు గురించి వివరించారు. డా. యు. వి. ప్రసాద్ నేరశాస్త్ర విభాగంలో పిసిఆర్ మరియు డిఎన్ఎ ఫింగర్ ప్రింటింగ్ గురించి వివరించడం జరిగింది. ఈ కార్యక్రమంలో వృక్ష శాస్త్ర విభాగం నుంచి డి. రూస్సీ రాణి, జంతు శాస్త్ర విభాగం నుంచి ఆర్. విజయ దీపిక, ఉద్యానవన శాస్త్ర విభాగం నుంచి సిహెచ్. వెంకటలక్ష్మి, కళాశాల వైస్ ప్రిన్సిపల్ బి. శ్రీనివాసరావు, కళాశాల ఐ క్యూ ఏ సి కోఆర్డినేటర్ డా. ఎమ్.మధు, కార్యక్రమ నిర్వహణ కమిటీ పి.ఎస్. రావు, యు. వెంకటాచార్యులు, డా. సిహెచ్.బదరీ నారాయణ, ఇతర అధ్యాపక అధ్యాపకేతర సిబ్బంది కళాశాల సైన్స్ విభాగ విద్యార్థులు పాల్గొన్నారు.