

4th International Conference on

ENVIRONMENTAL, AGRICULTURAL, CHEMICAL AND BIOLOGICAL SCIENCES

#ICEACBS2023

IN SUPPORT OF

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MAY 13-14, 2023 (ONLINE-INPERSON)



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Certificate of Award

Sayanti Pal

Department of Bioinformatics, Maulana Abul Kalam Azad University of Technology, Nadia
741249, WB,

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Investigation of Conserved Water Molecules in Kinase Domain of human GRK Protein: A
Study by MD Simulation

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

Convener & Organizing Secretary ICEACBS2023
Founder- Voice Of Indian Concern for the Environment
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Tamilnadu State Coordinator- AIITE, New Delhi, India

Dr. B. Chitra

Co-convenor ICEACBS2023

HOD, Department of Biotechnology,
Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. T. Siva Vijayakumar

Co-organizing Secretary ICEACBS2023
Assistant Professor, Department of Biotechnology,
Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.

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Certificate of Award

Sweety Gupta

Department of Pharmaceutical Technology (Pharmacology), Maulana Abul Kalam Azad
University of Technology, West Bengal 741249.

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Conformational Transition from Native to Ligand Bound State of Mpro enzyme: A Study by
Computational Method

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



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Certificate of Award

Gouthami Patil.B

Department of Studies in Chemistry, Vijayanagara Sri Krishnadevaraya University, Cantonment,
Vinayakanagara, Ballari-583105, Karnataka, India.

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Bio-Inspired Oxy-Bridged Palladium Phthalocyanine as an Efficient Electrocatalyst for Oxygen
Reduction Reaction

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



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Certificate of Award

Ankita Bhatiya

Smt .L. P .Patel Institute of Medical Laboratory Technology, Bhaikaka University, Karamsad
388325, Gujarat, India

Young Scientist Best Oral Presentation (ppt/poster)

Title:

The prevalence of chromosomal abnormalities diagnosed Prenatally in Anand Population

Dr. M.Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



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Certificate of Award

Ayushi Singh

Amity Institute of Microbial Technology, Amity University, Noida 201313, Uttar Pradesh, India

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Exploration of structural and functional diversity of chromium-contaminated tannery soil using shotgun sequencing

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



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Certificate of Award

Chayanika Rabha

Department of Botany, Kamrup College, Chamata, Nalbari-781306, Assam, India.

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Value Addition to Stubbles in India: A Review

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



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Certificate of Award

Pooja Sharma

Department of Botany and Microbiology, Gurukula kangri Deemed to be University,
Haridwar, Uttarakhand (249404) - INDIA.

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Optical, structural and therapeutic analysis of zinc oxide nanomaterials using Helicteres
isora L. fruit ethanol extract

Dr. M. Pichaimani

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Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



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Certificate of Award

NEHA SHARMA

Amity Institute of Microbial Technology, Amity University, Uttar Pradesh, India, 201303

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Arsenic mitigation in rice by the microbial combination of *S. indica* and *Z. sp.* ISTPL4

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



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Certificate of Award

Dr. Raghunath Satpathy

School of Biotechnology, Gangadhar Meher University, Amruta Vihar, Sambalpur,
Odisha- 768004, India

Young Scientist Best Oral Presentation (ppt/poster)

Title:

In-silico based prediction of novel drug targets in Streptococcus pneumoniae

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



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Sougata Ghosh Chowdhury

Department of Life Science and Biotechnology, Jadavpur University, Kolkata, India

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Role of PTEN in inducing Heterochromatin by preventing the progression of replication fork during stress condition

Dr. M. Pichaimani

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Principal,

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MOHD ASHRAF DAR

Department of Environmental Science, School of Earth Sciences, Central University of Rajasthan, BandarSindri Ajmer, 305817, Rajasthan, India

Young Scientist Best Oral Presentation (ppt/poster)

Title:

A hybrid artificial intelligence approach for biodegradation of malathion by *Micrococcus aloverae*

Dr. M. Pichaimani

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Certificate of Award

Dr. Anurag Jyoti

Amity Institute of Biotechnology, Amity University Madhya Pradesh, Maharajpura Dang,
Gwalior, M.P., India

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Promises of Scenedesmus regularis green microalgae for enhanced biosorption of toxic nanoparticles

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

Convener & Organizing Secretary ICEACBS2023

Founder- Voice Of Indian Concern for the Environment

(VOICE) www.voiceindia.org.in

Tamilnadu State Coordinator- AIITE, New Delhi, India

Dr. B. Chitra

Co-convenor ICEACBS2023

HOD, Department of Biotechnology,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. T. Siva Vijayakumar

Co-organizing Secretary ICEACBS2023

Assistant Professor, Department of Biotechnology,

Srimad Andavan Arts and Science College,

Tiruchirappalli, Tamilnadu, India.

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Certificate of Award

Rizwan Ahmed

School of Social Sciences, College of Post Graduate Studies in Agricultural Sciences
(CAU-Imphal), Umiam, Meghalaya, India.

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Household food security through wetland resources with adaptation to climate change: An empirical analysis of Ranikor, Meghalaya

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

Convener & Organizing Secretary ICEACBS2023
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Tamilnadu State Coordinator- AIITE, New Delhi, India

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Co-organizing Secretary ICEACBS2023
Assistant Professor, Department of Biotechnology,
Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.

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Certificate of Award

Satheeswaran B

Molecular Toxicology Laboratory, Department of Biotechnology, Bharathiar

University, Coimbatore - 641 046, India

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Toxicogenomic analysis of physiologically important metals

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,

Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

Convener & Organizing Secretary ICEACBS2023

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Tamilnadu State Coordinator- AIITE, New Delhi, India

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Tiruchirappalli, Tamilnadu, India.



Dr. T. Siva Vijayakumar

Co-organizing Secretary ICEACBS2023

Assistant Professor, Department of Biotechnology,

Srimad Andavan Arts and Science College,

Tiruchirappalli, Tamilnadu, India.

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Certificate of Award

Mahima

Department of Pharmacognosy, SD College of Pharmacy & Vocational Studies,
Muzaffarnagar, 251001, U.P. India

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Neurological Activity of Inclusion Complex of Hydroxy Propyl β -cyclodextrin with Acorus
calamus Oil

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

Convener & Organizing Secretary ICEACBS2023

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Tamilnadu State Coordinator- AIITE, New Delhi, India

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HOD, Department of Biotechnology,

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Tiruchirappalli, Tamilnadu, India.



Dr. T. Siva Vijayakumar

Co-organizing Secretary ICEACBS2023

Assistant Professor, Department of Biotechnology,

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Tiruchirappalli, Tamilnadu, India.

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Certificate of Award

Dr Neha Sharma

Amity Institute of Biotechnology, Amity University Madhya Pradesh, Maharajpura Dang,
Gwalior (MP)-474005

Young Scientist Best Oral Presentation (ppt/poster)

Title:

In- silico screening of phytochemicals as an alternative approach for the treatment of breast cancer

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

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Tamilnadu State Coordinator- AIITE, New Delhi, India

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Tiruchirappalli, Tamilnadu, India.



Dr. T. Siva Vijayakumar

Co-organizing Secretary ICEACBS2023

Assistant Professor, Department of Biotechnology,

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Tiruchirappalli, Tamilnadu, India.

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Certificate of Award

Subhasree Swagatika Mohanty

Department of Marine Sciences, Berhampur University, Berhampur, Odisha 760007, India

Young Scientist Best Oral Presentation (ppt/poster)

Title:

RELATIONS OF SALTMARSH CARBON STOCK WITH VEGETATION COMMUNITIES OF
UNITED KINGDOM

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

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Tamilnadu State Coordinator- AIITE, New Delhi, India

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Tiruchirappalli, Tamilnadu, India.



Dr. T. Siva Vijayakumar

Co-organizing Secretary ICEACBS2023
Assistant Professor, Department of Biotechnology,
Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.

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Certificate of Award

Dr. Meenakshi Sharma

Department of Botany, Daulat Ram College, University of Delhi-Delhi-110007; India.

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Microbial Factories for Sustainable Biofuel Production and Climate Change

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

Convener & Organizing Secretary ICEACBS2023

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Tamilnadu State Coordinator- AIITE, New Delhi, India

Dr. B. Chitra

Co-convenor ICEACBS2023

HOD, Department of Biotechnology,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. T. Siva Vijayakumar

Co-organizing Secretary ICEACBS2023

Assistant Professor, Department of Biotechnology,

Srimad Andavan Arts and Science College,

Tiruchirappalli, Tamilnadu, India.

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Certificate of Award

Arfat Nazir

Department of Geology, University of Madras, Guindy Campus Chennai 600025

Young Scientist Best Oral Presentation (ppt/poster)

Title:

A preliminary analysis of Microplastic contamination in a remote high- altitude Nundkol lake of North-western Himalayas-Kashmir, India

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

Convener & Organizing Secretary ICEACBS2023

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Tamilnadu State Coordinator- AIITE, New Delhi, India

Dr. B. Chitra

Co-convenor ICEACBS2023

HOD, Department of Biotechnology,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. T. Siva Vijayakumar

Co-organizing Secretary ICEACBS2023

Assistant Professor, Department of Biotechnology,

Srimad Andavan Arts and Science College,

Tiruchirappalli, Tamilnadu, India.

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Certificate of Award

Mr. Eswara Rao Tatta

Department of Genomic Science, School of Biological Sciences, Central University of Kerala, Tejaswini Hills, Periya (PO.) Kasaragod, Kerala 671320, India.

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Computational Framework: Identification Resistance, Biofilm and Quorum Sensing
Associated Proteins in *Enterococcus faecalis*

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

Convener & Organizing Secretary ICEACBS2023
Founder- Voice Of Indian Concern for the Environment
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Tamilnadu State Coordinator- AIITE, New Delhi, India

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HOD, Department of Biotechnology,
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Dr. T. Siva Vijayakumar

Co-organizing Secretary ICEACBS2023
Assistant Professor, Department of Biotechnology,
Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.

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Certificate of Award

P. Sudharsan

Natural products and tribal health research, Department of Forestry, School of sciences,
Nagaland university (A central University), lumami, Nagaland - 798627, India.

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Bioprospecting of *Agaricus bisporus* methanolic extracts for Antioxidant and Nutritional
Property

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

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Tamilnadu State Coordinator- AIITE, New Delhi, India

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HOD, Department of Biotechnology,
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Dr. T. Siva Vijayakumar

Co-organizing Secretary ICEACBS2023
Assistant Professor, Department of Biotechnology,
Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.

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Certificate of Award

JELINE RANI J

Department of Botany, Bishop Heber College, Tiruchirappalli -620 017, Tamil Nadu, India.

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Efficacy of aqueous bark extract of *Pterocarpus indicus* (Willd.) on Struvite crystal

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

Convener & Organizing Secretary ICEACBS2023

Founder- Voice Of Indian Concern for the Environment

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Tamilnadu State Coordinator- AIITE, New Delhi, India

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Tiruchirappalli, Tamilnadu, India.



Dr. T. Siva Vijayakumar

Co-organizing Secretary ICEACBS2023

Assistant Professor, Department of Biotechnology,

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Tiruchirappalli, Tamilnadu, India.

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Certificate of Award

Nandini Rai

Department of Zoology, School of Biological and Environmental Sciences, Shoolini University
of Biotechnology and Management Sciences, Solan 173229, India

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Using heterotrophic bacteria and various combinations of carbon sources to improve Biofloc
trait: - A Review

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

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Dr. T. Siva Vijayakumar

Co-organizing Secretary ICEACBS2023

Assistant Professor, Department of Biotechnology,

Srimad Andavan Arts and Science College,

Tiruchirappalli, Tamilnadu, India.

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Certificate of Award

Shama Tyagi

Department of Biochemistry, Kurukshetra University, Kurukshetra

Young Scientist Best Oral Presentation (ppt/poster)

Title:

A study on the level of T3, T4, TSH and the Association of C/G polymorphism with TSHR D727E gene in hyperthyroidism among Indian population

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

Convener & Organizing Secretary ICEACBS2023
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Tamilnadu State Coordinator- AIITE, New Delhi, India

Dr. B. Chitra

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Dr. T. Siva Vijayakumar

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Certificate of Award

Jyotilipsa Mohanty

Department of Bioinformatics, Pondicherry University, Pondicherry – 605014, India.

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Understanding the virus replication mechanism in plants – an insilico approach with SeMV as model system.

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

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Certificate of Award

Dr. HRIDOY RANJAN BAIRAGYA

Computational Drug Design and Biomolecular Simulation Lab, Department of Bioinformatics, Maulana Abul Kalam Azad University of Technology, Nadia, West Bengal- 741249, India.

Young Scientist Best Oral Presentation (ppt/poster)

Title:

New Biochemical Insights of Conserved Water Molecules in SARS-CoV-2 Main Protease: A Future Hope for Discover of anti-Covid Molecule

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

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Tiruchirappalli, Tamilnadu, India.

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Certificate of Award

RAMYA SHREE N

Department of Zoology, Queen Mary's College, Chennai, Tamilnadu, India

Young Scientist Best Oral Presentation (ppt/poster)

Title:

A Checklist of avifauna from different microhabitats in Muttukadu Backwaters, Tamil Nadu, India

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



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Dr. T. Siva Vijayakumar

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Certificate of Award

Prinshila Gandhi

Department of Environmental Science and Engineering, J.C Bose University of Science and Technology, YMCA, Faridabad, Haryana

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Study On Indoor Air Quality Enrichment Using Plant Based Natural Fibers

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



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Tiruchirappalli, Tamilnadu, India.

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Certificate of Award

Dr. Ruchika Sharma

Department of Biotechnology, Govt. College for Women, Parade Ground, Jammu Tawi (J&K),
India

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Assessment of bioactive compounds as potential inhibitors of structural and non-structural proteins of COVID-19 using computational approach.

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

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Tiruchirappalli, Tamilnadu, India.



Dr. T. Siva Vijayakumar

Co-organizing Secretary ICEACBS2023
Assistant Professor, Department of Biotechnology,
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Tiruchirappalli, Tamilnadu, India.

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Certificate of Award

Aruna Siripurapu

Department of Microbiology and FST (Food Science & Technology), GITAM (Deemed to be University), Visakhapatnam, Andhra Pradesh 530045, India

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Production and characterization of biodegradable polymer-polyhydroxybutyrate from agricultural waste-sugarcane bagasse by the novel marine bacterium *Klebsiella pneumoniae* G1

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

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Dr. B. Chitra

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HOD, Department of Biotechnology,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. T. Siva Vijayakumar

Co-organizing Secretary ICEACBS2023

Assistant Professor, Department of Biotechnology,

Srimad Andavan Arts and Science College,

Tiruchirappalli, Tamilnadu, India.

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Certificate of Award

RITAM DUTTA

University of Madras, Chennai, Tamil Nadu 600005

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Integrating LISS – IV and Sentinel -2 satellite imagery for fine scale habitat characterization for Himalayan Ibex (*Capra sibirica*)

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



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Dr. B. Chitra

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Tiruchirappalli, Tamilnadu, India.



Dr. T. Siva Vijayakumar

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Assistant Professor, Department of Biotechnology,
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Certificate of Award

Dr. SARANYA DEVI K

Department of Microbiology, Government Arts and Science College Kozhinjampara,

Palakkad - 678554, Kerala, India

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Topic: Isolation and screening of plant growth promoting exopolysaccharide (EPS) producing bacteria from Eucalyptus rhizosphere soil

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



Dr. Ramasamy Rajesh Kumar

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Tiruchirappalli, Tamilnadu, India.



Dr. T. Siva Vijayakumar

Co-organizing Secretary ICEACBS2023

Assistant Professor, Department of Biotechnology,

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Certificate of Award

Pritam Kumar Dikshit

Department of Biotechnology, K. L. Deemed to be University, Vaddeswaram, 522302, Guntur, Andhra Pradesh, India

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Production of low-cost bacterial cellulose and its functionalization for lipase immobilization

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



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Certificate of Award

Ritika Chauhan

Amity Institute of Microbial Technology, Sector-125, Noida-201301, UP, India

Young Scientist Best Oral Presentation (ppt/poster)

Title:

Expliciting the production and characterization of Selenium Nanoparticles Induced Exopolysaccharide in Regulating Desertification

Dr. M. Pichaimani

Patron ICEACBS2023

Principal,

Srimad Andavan Arts and Science College,
Tiruchirappalli, Tamilnadu, India.



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Co-organizing Secretary ICEACBS2023

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