

DST-UGC-APSCHE Sponsored
Two day National Seminar on
Plant- Microbe Interaction, Environmental Conservation-Challenges and Strategies
(PMECS- 2017) - 17th & 18th March, 2017.

Organized by

Department of Botany and Microbiology
Acharya Nagarjuna University
Nagarjuna Nagar 522510, Guntur, Andhra Pradesh.

Venue

Dr H.H Deichmannans & Dr S. John David Auditorium
Acharya Nagarjuna University Campus
Nagarjuna Nagar 522510, Guntur, Andhra Pradesh.

Main Theme

Plant- Microbe Interaction, Environmental Conservation-Challenges and Strategies.

Sub Themes

1. **Advances in plant sciences and Microbiology.**
2. **Biodiversity conservation.**
3. **Food and agriculture.**
4. **Challenges in aquaculture.**
5. **Biomaterials and bioactive compounds.**
6. **Nanotechnology for environment health.**
7. **Disease management in plants, animals and human.**
8. **Challenges in health management of environment.**

Submission of Abstracts / papers

Participants are requested to send the Abstracts (within the limit of 250-300words) on or before 25th February 2017 and full paper 28th February, 2017 to E.mail: pmeecs2017@gmail.com

Young scientist Award: Three young scientist awards (25 - 35 yrs) to best research papers scrutinized by experts.

Full length Paper with DOB Certificate is Necessary.

Review Process: Limited Full Length empirical research papers free from plagiarism will be published in ISSN Journal.

Any Query related to the Seminar may communicate to Email : pmeecs2017@gmail.com

Registration Fee : Faculty and Professionals - Rs 1000/- ; Research Scholar - Rs. 800/- ; Student - Rs. 500/-.

Only Participation () Presentation - Oral () Poster ()

Title of my Paper/Poster

Accommodation Required () Not Required ()

Registration fee details: Payment may be made through D.D drawn in favour of - Director, PMECS 2017, Payable at Andhra Bank, Acharya Nagarjuna University Branch, Guntur, Andhra Pradesh. (IFSC: ANDB0001508). Send the details of the DD along with the Abstract mentioning D.D.No Drawn OnAmount Rs.and send the Hard copy with duly filled signature and communication address on the backside of the DD to the below given address.

For further details contact

Dr. A. Amrutha Valli, Ph.D., Seminar Director & Organizing Secretary, PMECS2017.

Department of Botany and Microbiology, Acharya Nagarjuna University, Guntur - 522510, Andhra Pradesh.

Mobile : +91- 9440995842 ; Email: audipudi_amrita@yahoo.com

Organizing Committee:

Chief Patron

Prof. A. Rajendra Prasad, Vice-Chancellor,
Acharya Nagarjuna University.

Patrons

Prof. K.R.S. Sambasiva Rao - Rector, ANU.

Prof. K. John Paul - Registrar, ANU.

Prof .B. Rev Victor Babu - Principal,
University College of Sciences, ANU.

Convener - **Prof. M. Vijaya Lakshmi**

Co-Convener - **Dr. K. Armani**

Treasurer - **Dr. V. Uma Maheswara Rao**

Organizing Secretary - **Dr. A. Amrutha Valli**

Organizing Members

Dr. G. Rosaiah

Dr .M.RaghuRam

Dr Y. R.K.R. Thirupathi Rao

Dr .K. Mallikarjuna

Dr .Sk.Khasim

Dr. P .S. Raju

National Advisory committee

Prof .Podile Appa Rao, School of Plant Sciences, Vice -Chancellor, UOH.

Prof. Athipalli. R.Reddy, Vice -Chancellor, Yogi Vemana University

Prof.A.S. Raghavendra, School of plant sciences, UOH

Dr .P.Chowdappa, Director CPCRI, Kaserghad

Dr .G.Sivaprasad, Director, Silk Board, Karnataka

Dr. Prakasam, ICT -Hyderabad.

Prof .P.Sreenivasulu Reddy, Biotechnology, SVU

Dr P.Sanjeeva Rao, DST SERB, Delhi

Dr .G. Parthasarathy, Pondicherry University

Prof .D.V.R Saigopal, Dept. of Virology, S.V.U

Prof .P. Haribabu, Fishery College, A.P

Dr .Vijaya Krishna, ICRISAT- Hyderabad

Prof .P. Naresh, M.S.University, Vadodara.

Dr Harikishan Sudini, ICRISAT -Hyderabad.

Prof .R.R.V.Raju, S.K.U, Ananthapuram.

Communication Address :

Dr. A. Amrutha Valli, Ph.D.,

Seminar Director & Organizing Secretary - PMECS2017.

Department of Botany and Microbiology,

Acharya Nagarjuna University

Nagarjuna Nagar 522510, Guntur, Andhra Pradesh.

Mobile : +91- 9440995842 ; Email: pmecs2017@gmail.com .

DST-UGC-APSCHE Sponsored
Two day National Seminar
on

**Plant- Microbe Interaction, Environmental Conservation-Challenges and
Strategies (PMECS2017)
17th&18th March, 2017**



**Seminar Director
Dr. A. Amrutha Valli**

Organized by

**Department of Botany and Microbiology
Acharya Nagarjuna University
Nagarjuna nagar – 522 510
Guntur, A.P.**

Venue

**Prof L.Venugopal Reddy Seminar Hall
Dr.H.H.Deichmanns and Dr S.John David Auditorium
Acharya Nagarjuna University Campus**

Main Theme

Advancement in Microbial research in biological science and technology has contributed to remarkable increase in food production, health management and environment conservation since the mid-twentieth century. The aim of this conference is to call for measures that can reduce or eliminate hazardous factors associated with environment including air, water and soil. Scientific discoveries, new tools and improved technologies have rapidly expanded in the field of environmental health. At the same time more food is desperately needed from less and often low productivity environments, as arable land and important resources like fertilizer and water are shrinking constantly. Anthropological and climate change related factors further limit the suitability of agricultural, horticulture, aquaculture and other resources of environment. One of the ways of ensuring high production is by reducing the losses due to diseases at pre and post-harvest stages of the production system. Sound knowledge on the pathogenic as well as beneficial microbes and their interaction with plants and animals as well with the environment is key to understand and combat plant, animal and human diseases. The potential applications of biomaterial and biomolecules derived from microbes and plants in agriculture, aquaculture and medicine seem boundless. But progress will require advances in basic understanding of plant-microbe interactions with environment coupled to practical attention to the process of translating the discoveries from the lab to land and hand. By considering this objective, the Department of Botany and Microbiology is organizing a seminar to introduce the Molecular modular technology in the fields of Plant sciences, Microbiology, Animal sciences, Nanotechnology, Biomaterials, Biocontrol agents Biochemistry and Biotechnology for environment conservation. The conference theme is aptly titled as "Plant- microbe interaction, Environmental conservation –challenges and strategies" in order to emphasize the need for protecting the plants, animals and human from

pathogens to achieve global food and livelihood security. The conference will be focused to introduce students the field of research and researchers to develop futuristic research trends in relevance to India.

Sub themes:

Advances in Plant Sciences
Advances in Microbiology
Biodiversity conservation
Food and Agriculture
Challenges in Aquaculture
Biomaterials and Bioactive compounds
Nanotechnology for environment health
Disease management in plants ,animals and Human
Challenges in health management of environment

Date of the Event: 17th &18th March 2017

Venue:

Prof. L. Venugopal Reddy Seminar Hall at H. Deichmann Auditorium in Acharya Nagarjuna University campus.

Submission of Abstracts/papers

Participants are requested to send the abstracts (within the limit of 250-300words) on or before **14th February 2017** and full paper **25th February, 2017** to the following

Email: pmecs2017@gmail.com

Young scientist Award: Three young scientist awards (25-35yrs) to best research papers scrutinized by experts

Review Process: Limited empirical research papers free from plagiarism will be published in ISSN journal

Registration Fee

Faculty and Professionals	Rs 1000/-
Research Scholar	Rs. 800/-
Student	Rs. 500/-

(DD from any nationalized bank drawn in favor of Director, PMECS2017 payable at ANDHRA BANK ,NAGARJUNA UNIVERSITY BRANCH, NAGARJUNA NAGAR -522510,Guntur(IFSC:ANDB0001508).

About the Department

The strong foundation for the department in terms of its strength in teaching and research were laid down by former professors Viz., Prof. A.S. Rao, Prof. P.N. Rao, Prof. P.R. Mohan Rao, Prof. N. Lakshmi, Prof. D. Santha Kumari, Prof. T.N. Mary, Prof. K.V. Mallaiah & Prof. Z. Vishnuvardhan. The legacy of the Department has been kept up through recruitment of highly qualified staff, succession of successful Heads of the department with efficient administrative activities and research scholars and students of outstanding quality. Botany as well as Microbiology being the essential branches of life sciences, offers bright opportunities for the students of M. Sc. Botany and M. Sc. Microbiology as well as the Research Scholars perusing M. Phil. and Ph.D. Degrees. Several research projects funded by CSIR, UGC, DNES, APSEB, ICAR, DAE, BSI, DBT and DST have been successfully completed by the faculty and several projects are ongoing in the department. Our department was strengthened with UGC NON-SAP, SAP & DST -FIST. Majority of the Scholars were fellowship holders, carried out active research and received awards in scientific forums. Students of Botany and Microbiology were well settled in academic, scientific and Industrial sectors, in India and Abroad. Nearly hundred microbial culture collections of actinomycetes bacteria and fungi of agriculture importance and biomedical importance have been maintained in the department. Herbal Garden with nearly 300 varieties of medicinal plants is maintained in our Botanical Garden, serving the needs of researchers.

Advisory committee:

Prof.A.S. Raghavendra, School of plant sciences, UOH
Prof. Athipalli. R.Reddy, Vice-Chancellor, YVU
Prof. P.Appa Rao, Vice- Chancellor, UOH
Dr .P.Chowdappa, Director CPCRI, Kaserghad
Dr .G.Sivaprasad, Director, Silk Board, Karnataka
Dr. R.S. Prakasam, IICT, Hyderabad.
Prof .P.Sreenivasulu Reddy, Dept. of Zoology, SVU
Dr P.Sanjeeva Rao, DST SERB, New Delhi
Dr .G. Partha Sarathy Pondicherry University

Prof .D.V.R Saigopal, Dept. of Virology, S.V.U
Prof .P. Haribabu, Fishery College, A.P
Dr .Vijaya Krishna, ANGRU,A.P
Prof. G. Naresh, M.S. University, Vadodara.
Dr Harikishan Sudini, ICRISAT, Hyderabad.
Prof .R.R.V.Raju, S. K. U, Ananthapuram.

Organizing Committee:

Chief patron

Prof. A. Rajendra Prasad,
Vice-Chancellor

Patrons

Prof. K.R.S. Sambasiva Rao
Rector

Prof. K. John Paul
Registrar

Prof .B. Rev Victor Babu,
Principal, University college of Sciences

Convener

Prof. M. Vijaya Lakshmi
Co-Convener

Dr. K. Ammani

Organizing Secretary

Dr. A. Amrutha Valli
Treasurer

Dr. V. Uma Maheswara Rao

Organizing Members

Dr. G. Rosaiah

Dr .K. Mallikarjuna

Dr. S. M. Khasim

Dr. M. Raghu Ram

Dr Y. R. K. V. Tirupathi Rao

Dr. P .S. Raju

For further details contact

Dr. A. Amrutha Valli, Ph.D.,

Seminar Director

Department of Botany and Microbiology

Ph: +91 9440995842

**Email: audipudi_amrita@yahoo.com
pmecs2017@gmail.com**

*EARTH PROVIDES ENOUGH TO SATISFY EVERY MAN'S NEEDS
BUT NOT EVERY MAN'S GREED
- MAHATHMA GANDHI*



STOP TALKING START PLANTING

PMECS 2017