



**NATIONAL CONFERENCE ON
RECENT ADVANCES IN CHEMICAL ENGINEERING**

RIPPLES-2K20

21st-22nd, January 2020

**DEPARTMENT OF CHEMICAL ENGINEERING, AUCE (A)
ANDHRA UNIVERSITY, VISAKHAPATNAM – 530 003**

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INVITATION LETTER

Dear Sir/Madam,

It is with great pleasure and honor, we wish to inform you that the Department of Chemical Engineering, Andhra University, Visakhapatnam, is organizing a National Conference on "Recent Advances in Chemical Engineering-RIPPLES 2K20" from 21st to 22nd January 2020.

The primary motive is to invite the largest number of distinguished participants, eminent academicians, technologists, practitioners, researchers and industrialists from all across the Nation to discuss the current issues, challenges & opportunities and achievement in these very interesting fields.

The Conference includes various important issues pertaining to, advances challenges, opportunities and innovative approaches. The participants share ideas, perspectives, researches and experiences on the current issues and future prospects in the field of Chemical Engineering.

We will be thankful, if you could kindly encourage and circulate among other colleagues, students (UG & PG), and Research Scholars in large numbers to participate in the National Conference RIPPLES 2K20 and to share their thoughts for the benefit of participants. The accepted full papers will be published in Conference Proceedings.

Please find the enclosed conference brochure for necessary information. I would be happy if your research group plans to be with us on this occasion and present research finding.

The details are also available on our conference website
<https://www.ripples.co.in>

With personal regards

Thank you

Dr. Ch. A. I. Raju, Convener, Ripples 2K20
Assistant Professor, Department of Chemical Engineering, AUCE (A)
Andhra University, Visakhapatnam-530003, INDIA
Ph: 9347378825, ripples2k20@gmail.com, <https://www.ripples.co.in>.

NATIONAL CONFERENCE ON
RECENT ADVANCES IN CHEMICAL ENGINEERING
RIPPLES 2K20

(Together Towards Tomorrow)
21st - 22nd January, 2k20



In Association with

Indian Institute of Chemical Engineers, Waltair Regional Centre
Indian Institute of Mineral Engineers, Visakhapatnam Local Chapter

Organized by
Department of Chemical Engineering, AUCE (A)
Andhra University, Visakhapatnam - 530 003.

About Andhra University

Andhra University happens to be one of the earliest seats of learning on the east coast of India, established by the erstwhile British Raj in the year 1926. Dr. S. Radha Krishnan who later became president of India served here as Vice Chancellor, Sir CV Raman, Nobel Laureate, Sir CR Reddy, the founder Vice Chancellor had served the University, in its formative years with distinction. The University has been offering a wide range of graduate, post graduate and doctoral programs in various disciplines in Arts, Science, Law, Pharmacy and Engineering. Since the day of its inception, the University has indeed, been keeping up with its tradition of a National interface. Besides its routine contribution to cultivating, nurturing and grooming up of the top-notch class intellectuals for the nation, its unique presence is strongly felt even in the international scenario from its research and innovations in the fields of Arts, Science, Law, Pharmacy and Engineering.

About AU College of Engineering

Andhra University College of Engineering (Autonomous) is one of the constituent colleges with a separate campus and it is also the first autonomous college constituted in the University. It has a strength of 3000 students in 15 Departments studying in 17 under graduate-programs and 42 post-graduate programs. It is also accredited by the NAAC with an 'A' grade and its 16 Engineering post-graduate programs are approved by the AICTE and also accredited by the NBA; 7 Departments for 5 years and 2 Departments for 3 years. It is also selected as one of the lead institutes under TEQIP and has also been selected as one of the institutes considered for upgradation to IIT status out of the seven institutes selected from all over India. Andhra University College of Engineering (A) is also one of the most preferred colleges by NRI students.

About Department of Chemical Engineering

The Department of Chemical Engineering was started in 1933 and is one of pioneering Institutions in India to offer education in Chemical Engineering and Chemical Technology. Over the years, the Department has expanded its research activities and courses. The Department of Chemical Engineering has diversified its course offerings to areas like Petroleum Refinery Engineering, Energy Engineering, Electro Chemical and Corrosion Engineering, Reaction Engineering, Process Dynamics and Control, Mineral Process Engineering and Biotechnology besides core chemical Engineering. The Department currently offers 2 Under-graduate and 5 Post-Graduate programs in these areas. It also fosters Doctoral and Post-Doctoral Research. The research activities in the Department are funded by the DST, DBT, UGC, MHRD, AICTE, MNES, etc. The Department of Chemical Engineering is actively involved in consultancy services and caters to the local industries.

About Visakhapatnam (Smart City)

Archeological evidences suggest that the origin of Visakhapatnam lies in the Buddhist ruins of Thotlakonda that date back to 3rd century. Visakhapatnam also known as Vizag is a smart city and Port City surrounded by fascinating eastern ghats on the west and Bay of Bengal on the East vizag was a part of ancient kingdoms such as Kalinga, Chola, and Moghuls. Vizag today is a major industrial city, with power projects, steel mill, ship building facilities, oil refinery, fertilizer and cement plants and supporting infrastructure. The city has a strong naval base and is headquarter of Eastern Naval Command, Indian Navy. The city is a center for higher learning and a hub of Indian Culture. Vizag is connected through Road ways, Rail ways and through an International Airport.

Vizag is endowed with beautiful beaches and has many interesting places to offer to the venerable tourist. Places worth visiting include Hindu temple-Simhachalam, Buddhist ruins-Thotlakonda, Kailasagiri,- offering panoramic view of the long beaches, Rishikonda-offering water sports, Kambalakonda- a nature's trek and Kusura-a submarine converted to a museum by Indian Navy.

Vizag also boasts of many star hotels which ensure comfortable stay and excellent Indian/continental cuisine. The weather in Visakhapatnam during December is pleasant with day temperatures in the range of 20 to 25°C.

TOPICS

- Advanced Energy Efficiency Technologies and Energy Management
- Biochemical Engineering, Biomedical Engineering and Biotechnology
- Bioenergy, Fermentation, Biodiversity & Bioremediation
- Chemical Process Modelling, Optimization and Statistical Tools
- Chemical Reaction Engineering and Process Dynamics
- Computer Applications in Chemical Engineering
- Electrochemistry and Fluid Dynamics
- Environment aspects, assessments and Technology
- Fluid flow, Mechanics, Handling Technology and Mechanical Operations
- Heat Transfer and Mass Transfer
- Industrial Chemistry and Green Technology
- Industrial Pollution Control and Industrial Safety
- Marine Energy and Geothermal Energy
- Materials science, Membranes and Analytical Techniques
- Microfluidics, Nanoparticles and Nanotechnology
- Mineral Process Engineering
- Nuclear Power, Solar and Wind Energy, Ocean and Tidal Energy
- Petroleum Refinery Operations and Reservoir Engineering
- Plastics, Polymer, Pulp & Paper and Fertilizer Technology
- Food Processing & Nutrition Technology and Ceramic Technology
- Renewable Energy & Resources and Separation Processes
- The impact of climate change and Social Responsibility
- Waste-to-energy Technology & Waste Recycling (E-Waste)
- Exhibition and Technical Stalls

Important Dates

Last date for submission of Abstracts: 09-01-2020

Submission of full papers: 15-01-2020

Email: ripples2k20@gmail.com

Registration

UG/PG Students	: Rs. 500 / -
Research Scholars	: Rs. 800 / -
Faculty / Academicians	: Rs. 1200 / -
Industrial Participants	: Rs. 2500 / -

Bank Details

All the delegates are required to register by paying the registration fee through DD in favour of "RIPPLES", payable at Andhra Bank, AU Engineering college branch, Visakhapatnam or NEFT/RTGS [A/c Name: RIPPLES, A/c No. 133310100048210, IFSC Code: ANDB0001333, MICR Code: 30011027 and All the delegates are requested to arrange the cost of their participation from the respective institution on their own. No TA/ DA will be paid.

Sponsorships

Sponsorships are invited from different industries, equipment manufacturers, consultancy agencies, other institutions for this event. Main sponsor (Rs. 10,00,000), Platinum sponsor (Rs. 7,00,000), Diamond sponsor (Rs. 5,00,000), Gold sponsor (Rs. 3,00,000), Silver sponsor (Rs. 2,00,000), Bronze sponsor (Rs.1,00,000).

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Full colour page	: Rs. 20,000/-
Full black page	: Rs. 15,000/-
Half black page	: Rs. 10,000/-

ADDRESS FOR CORRESPONDENCE

Dr. CH. A. I. RAJU,

Convener, RIPPLES-2K20

Chemical Engineering, AUCE(A), Andhra University,
Visakhapatnam – 530 003, Andhra Pradesh, INDIA

+91-9347378825, ripples2k20@gmail.com, www.ripples.co.in

Full papers
will be
published
in proceedings

ORGANIZING COMMITTEE

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Jt-Convener	Dr. G. V. S. Sarma Associate Professor, Dept. of Chemical Engg., Visakhapatnam, AU
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Sri. P. Venkata Rao Assistant Professor, Dept. of Chemical Engg., Visakhapatnam, AU
Dr. D. Santosh Kumar UGC Asst. Professor, Dept. of Chemical Engg., Visakhapatnam, AU



Corporate Social Programs

- Skill Development Promotion
- Go Green Tree Plantations
- Distribution of Jute Bags
- Plastic Eradication
- Swachh Bharat



City of Destiny

Don't miss the chance to visit the city of destiny - Visakhapatnam Smart city.



Kailashgiri Hill



Rushikonda Beach



Vizag Beach Road



Araku



Aircraft & Submarine



ANDHRA UNIVERSITY

Accredited by NAAC with 'A' Grade

National Conference on

"RECENT ADVANCES IN CHEMICAL ENGINEERING"

RIPPLES - 2k20

(TOGETHER TOWARDS TOMMOROW)



Organized by : Department of Chemical Engineering, AUCE(A), Andhra University

In Association with Indian Institute of Chemical Engineers, Waltair Regional Center
& Indian Institute of Mineral Engineers, Visakhapatnam Local Chapter

Date: 21st-22nd January, 2020

Venue: Chemical Engineering, AUCE(A), Andhra University

About Conference

Chemical engineers design, create and optimise the systems and equipment used in chemical, industrial, biological and environmental processes. They produce a range of materials, from fuels and fertilizers to processed foods, polymers and pharmaceuticals. This Conference is designed to help you stay current on the latest advances in core areas of chemical engineering. Being the basis of modern science and technology. Chemical Engineering is at the heart of most technological developments. Widely acclaimed speakers, the latest methods, strategies, and the most up to date overhauls in Chemical Engineering are signs of this Conference.

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- Chemical Reaction Engineering and Process Dynamics
- Computer Applications in Chemical Engineering
- Electrochemistry and Fluid Dynamics
- Environment aspects, assessments and Technology
- Fluid flow, Mechanics, Handling Technology and Mechanical Operations
- Heat Transfer and Mass Transfer
- Industrial Chemistry and Green Technology
- Industrial Pollution Control and Industrial Safety
- Marine Energy and Geothermal Energy
- Materials science, Membranes and Analytical Techniques
- Microfluidics, Nanoparticles and Nanotechnology
- Mineral Process Engineering
- Nuclear Power, Solar and Wind Energy, Ocean and Tidal Energy
- Petroleum Refinery Operations and Reservoir Engineering
- Plastics, Polymer, Pulp & Paper and Fertilizer Technology
- Food Processing & Nutrition Technology and Ceramic Technology
- Renewable Energy & Resources and Separation Processes
- The impact of climate change and Social Responsibility
- Waste-to-energy Technology & Waste Recycling (E-Waste)
- Exhibition and Technical Stalls

SUBMISSION OF ABSTRACTS

Original works, critical reviews and case studies are invited for presentation. Authors are requested to submit abstracts not exceeding 500 words in windows MS word format to "Convener, RIPPLES 2k20", Department of Chemical Engineering, AUCE(A), Andhra University, Visakhapatnam 530 003, Andhra Pradesh, INDIA

Last date for submission of Abstracts: 09-01-2020

Submission of full papers: 15-01-2020

Email: ripples2k20@gmail.com

Registration

Participants are requested to register well in advance using the registration form:

Registration fee:

- UG/PG Students : Rs. 500 / -
- Research Scholars : Rs. 800 / -
- Faculty / Academicians : Rs. 1200 / -
- Industrial Participants : Rs. 2500 / -

Organized by
Department of Chemical Engineering, AUCE(A)
Andhra University, Visakhapatnam - 530 003
Andhra Pradesh, INDIA

For all Correspondence: Dr. CH. A. I. RAJU, Convener, RIPPLES-2k20
Chemical Engineering, AUCE(A), Andhra University, Visakhapatnam - 530 003
Andhra Pradesh, INDIA
+91-9030303636, ripples2k20@gmail.com, www.ripples.co.in

"Go green Keep this PLANET green"



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RIPPLES 2K20



(Together Towards Tomorrow)

21st - 22nd January, 2020

Department of Chemical Engineering
A.U. College of Engineering (A), Andhra University

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FOR ALL CORRESPONDENCE:

Dr. Ch. A. I. Raju

Convener, Ripples 2k20

Chemical Engineering, AUCE(A), Andhra University, Visakhapatnam - 530 003, Andhra Pradesh, India

Ph: 9347378825, ripples2k20@gmail.com, www.ripples.co.in