

AMAL JYOTHI COLLEGE OF ENGINEERING



(Affiliated to APJ Abdul Kalam Technological University Kerala, Approved By AICTE New Delhi)

DEPARTMENT OF CHEMICAL ENGINEERING



Bi-Yearly Newsletter JUNE 2020

Our Laboratory Has Granted Grade B

The Water and Waste Water testing laboratory of the Department has been granted Grade B, Commercial Category status for analysis of quality/pollution parameters for water and waste water samples for two years by the Kerala State Pollution Control Board. A total of 117 external samples have been analyzed, attracting an income of more than a lakh of Rupees.



Activities at Government Offices

Dr. David K Daniel, on invitation from the Block Panchayat Office, Uzhavoor conducted the technical evaluation of napkin vending machines and incinerators to be procured by the Block for installation in the government schools under the block

Dr. Abhinav K Nair has attended the DTE sponsored FDP on NanoTechnology to Nano Tribology conducted at Government Engineering College, Kozhikode during January 6-11, 2020.



UBA Activity

As part of UBA activity, a poster on safe disposal of masks was prepared and circulated to staff, students, village officers of Kanjirappally, Koovappally, Cheruvalley, Edakunnam, Chirakadavu and Block Development Officer, Kanjirappally

Research Paper Published

A research paper titled “Kinetic Evaluation of the Inhibition of Acetylcholinesterase for use as a Biosensor” by Prof. David K Daniel and co-workers is accepted for publication in the ASEAN Journal of Chemical Engineering.

New Book Published

A book chapter titled 'Polymer Nanocomposite Membranes for Pervaporation Desalination Process' authored by Deepak Roy George, Shalin Tyni, Asha Elizabeth and Abhinav K. Nair was published by Elsevier in the book on 'Polymer Nanocomposite Membranes for Pervaporation' whose editors are Prof. Sabu Thomas, Dr. Soney George and Dr. Thomasukutty Jose.

NITTTR-AICTE TRAINING

Seven faculty members have registered for the NITTTR-AICTE training and one has paid the registration fees on his own.



AJCE-UBA CELL ACTIVITY

As part of AJCE-UBA Cell activities, in order to reach out to school students during the lockdown, the broadcasting schedule of virtual classes and other educational content by Doordarshan and All India Radio through their regional channels on 11/05/2020 was circulated to BDO, Kanjirappally and AJCE-UBA Cell members to facilitate home education.



Covid-19 Article

A write up about the activities done during the crisis hour of COVID19 was sent to the IIT-Delhi, National Coordinating institute-UBA and IISER Trivandrum, Regional Coordinating institute-UBA for report compilation and submission to MHRD.

Webinar on Environmental Day

Student members of IICChE Student Chapter-AJCE and faculty members participated in the webinar conducted on World Environment Day 2020 on the topic “Biodiversity” hosted jointly by PESO, KOCHI & IICChE Kochi Regional Centre on 05-06-2020.



Covid-19 Prevention

As part of measures to prevent spread of COVID-19 pandemic, a Sanitizer formulation developed by the faculty members was provided to the needy staff of the college at nominal costs during the third week of March 2020.



New Publishments in International Journals

Reeja Elsa John, Sandra Sebastian, Sandhya K Nair, Nikhi Maria Raju and David K Daniel published a paper titled “ Heterogeneous Fenton Catalytic Reaction for Decolourization of Methyl Orange ” in the International Journal of Engineering Applied Sciences and Technology, 2020 Vol. 4, Issue 9

Post Graduation Works by Senior Faculty

Nikhi Maria Raju’s postgraduate project work carried out at CSIR-National Chemical Laboratory, Pune has resulted in a research paper titled “Screening of zero valent mono/bimetallic catalysts and recommendation of Raney Ni (without reducing agent) for dechlorination of 4-chlorophenol” which was accepted for publication in Chemosphere, Volume 250, July 2020.



VISION

Accomplish global recognition in the field of Chemical Engineering by generating highly efficient and committed engineers, entrepreneurs and researchers who would excel in conventional as well as emerging areas.

MISSION

- To provide high quality education and training in tune with the developments in Chemical Engineering.
 - To develop entrepreneurship skills for transforming knowledge into socially relevant quality products.
 - To encourage research and development activities and industry institute interactions for the technical advancement of students.
 - To impart awareness of professional ethics, social responsibilities and sustainable development for serving the society.
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PSOs

- Graduates of Chemical Engineering Program shall be able to:
- 1. Successfully apply the knowledge of principles of science and engineering to identify and solve the real-life problems in Chemical Engineering and allied areas.
- 2. Foster research skills to develop sustainable solutions for Chemical Engineering problems.
- 3. Acquire essential managerial skills and ethical values to develop oneself as a true leader and a team player.



PSEs

- Our graduates shall:
- 1. Excel as engineers or pursue higher studies in Chemical Engineering with a strong fundamental knowledge laid during undergraduate education.
- 2. Practice as entrepreneurs with ethical attitude and social responsibility.
- 3. Exhibit an innovative approach for facing the current technical and environmental challenges faced by the society.

EDITORIAL MEMBERS

- Ms. Aishwarya K N
- Ms. Reethu Susan Varghese
- Alen George
- Dijo Mathew