

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 2019

WORKSHOP ON SEWAGE TREATMENT FUNDAMENTALS AND PRACTICES

On 16th February 2019, one day workshop on "Sewage Treatment Fundamentals and Practices" jointly organized by Unnat Bharat Abhiyan(UBA) Cell, Amal Jyothi College of Engineering & Department of Chemical Engineering. The workshop aimed at providing a basic understanding of the operation and monitoring of domestic sewage wastewater treatment systems. The classes were handled by Dr. Jacob Philip, Rev. Fr. Benny Kodimarathumoottil, Dr. David K Daniel and Assistant Professors, Dept of CH.



WORKSHOP ON SEWAGE TREATMENT FUNDAMENTALS AND PRACTICES



To celebrate "World Water Day" on 22nd March, the IChE Students Chapter organized technical events for the students of all branches of our college. To promote the spirit of water conservation and to encourage research in waste water remediation, water filter design and online poster competitions were held.



STUDENT ACHIEVEMENTS

- Shibin Shaji and Sibil Rajan Babu (S8 CH) under the guidance of Prof. Deepak Roy George and Dr. Abinav K Nair presented the paper "Conversion of domestic Waste to Bioethanol" and secured second prize in the paper presentation competition of SYLLOGIC '19 organised by Department of Chemical Engineering, Kongu Engineering College, Erode on 12 Feb 2019.
- Yanuna M and Sidharth S (S8CH) secured third position in IDEASIS '19 (paper presentation) held as a part of DRAV '19, conducted at NIT Calicut from Feb 15-16, 2019.
- Dithin Mathew, Silpa T Pradeep and Nayana Jose (S8 CH) under the guidance of Dr. Hariharan T presented a paper titled "Competitive adsorption of binary dye mixture (Methylene Blue and Safranin-O) onto activated carbon derived from cashew nut shell" and was adjudged as the best paper in the National Conference held in Hindustan Institute of Technology and Science titled "Water, Energy and Environment Conference" (WEECON'19).
- Asha Elizabeth, Ashly James, Abhiramy KS and Dilish Joseph (S6 CH) under the guidance of Dr. Abhinav K Nair secured first prize under poster category for their poster titled "Synthesis of Hydroxyapatite Nanorods from Eggshell and Fruit Waste" during the National Symposium 'Bio-Chess' organized by Dept of CH, Siddaganga Institute of Technology, Tumkur.
- Aravind Wilson, Edwin Paul and Sreejith Rajeev (S8) under the guidance of Prof. (Dr.) David K Daniel secured second prize in paper presentation at ChemPlus organized by Department of Chemical Engineering, IIT Madras on 17/03/2019.



FACULTY ACHIEVEMENTS

- Ms.Aishwarya KN presented a paper in the 4th International Conference on Bioenergy ,Environment and Sustainable Technologies conducted on 28-30 January at Arunai Engineering College, Thiruvannamalai,Tamil Nadu.
- Dr Abhinav K Nair submitted a proposal titled "Development of effective manufacturing methods for nano-photocatalyst embedded polymeric membranes" to the Science and Engineering Research Board for Rs.25 lakhs under the Start-up Research Grant Scheme.
- Prof.David K Daniel published a paper titled "Enhancement of flow properties of crude oil using Microbial Treatment " in the Advanced Bioengineering and BIotechnology Theme of Annual Technical Volume of Interdisciplinary Coordination Committee (Volume 3,2019 of Institution of Engineers (India)).

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 advancements of students.
- To impart awareness of professional ethics,social responsibilities and sustainable development for serving the society.



PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

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.

PROGRAM SPECIFIC OUTCOMES (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.

EDITORIAL MEMBERS

- Dr. Abhinav K Nair
- Mr.A D Rana Prathap
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