

# 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 2021

## Patent granted to Dr Vishnu M

Dr. Vishnu M assistant professor of chemical department of Amal Jyothi College of Engineering has granted a patent for the technology titled "Method, System and Apparatus for Arsenic Removal from Water using Functionalized Melanin"(Patent No. 368465) on 3rd June 2021 from patent office Chennai.



## Webinar conducted in connection with Environment Day

Dr. Dhanya George organized a Webinar in connection with World Environment Day celebration on the topic "Emerging Clean Energy Technologies" by Mr. Santhosh Raaj, Deputy Manager, BHEL-Trichy on 05-06-2021 for the M.Tech Environmental Engineering and B. Tech. S8 (Honour's) students.

Dr. Abhinav K Nair attended as an external Member in the Doctoral Committee meeting for Ph D research Proposal at Sree Buddha College of Engineering on 30th December 2020.

## Dr. Divya P Soman nominated as eSaksham faculty

Dr.Divya P Soman who just joined as the assistant professor in Chemical Engineering Department has been nominated as the eSaksham faculty. eSaksham program is a program to make student aware of the dangers and measures that should be taken in online platform.



## Best Paper award

**Dr. Vishnu M assistant professor at Amal Jyothi part of the winning team**

The best paper award has been granted to the team consisting of Dr. Vishnu M. Dr Vishnu M is currently working as the assistant professor in chemical engineering department at Amal Jyothi. The best paper award was received for the research paper titled 'Domestic waste water treatment using enzyme'.

The research paper was presented at the 4th International Conference on System, Energy and Environment held at Government College Of Engineering Kannur. Other members who contributed to the research papers are Joan Grace joji, Ashish Joseph, Niksy Maria, Renisha Rajendran, Dr. N Moharaj.



**Chemical Department at Amal Jyothi College of Engineering.**

## Three faculties participated in TEQIP-II

Dr. Vishnu M, Dr. Dhanya George and Reethu Susuan Varghese participated in TEQIP-II Sponsored Faculty development program on "Advances in Biochemical, Bioenergy and Biomedical Sectors" organized by department of chemical engineering, TKM College of Engineering, Kollam from 19th to 24th April 2021.

### Research paper published

Ms Jayasree PK and Dr. D K Daniel published a research paper titled "Predictability by Box-Behnken model for removal of Chromium (VI) using Eclipta prostrata (Bhringaraj) plant powder as an adsorbent in the scopus indexed Songklanakarin Journal of Science and Technology.

Dr. D K Daniel is the HOD of the chemical department and Ms Jayasree PK is Associate Professor of the chemical department.

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Libin George of S4 CHE received the record title from INDIA BOOK OF RECORDS-2022 titled "Maximum Miniature of Vice -Presidents Drawn on One Sheet".



### 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.

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### MISSION

- To provide high quality education and training in tune with the developments in Chemical Engineering.
  - To develop entrepreneurship skills for transforming knowledge in to 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.
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### PROGRAM EDUCATIONAL OBJECTIVES

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

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.
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### Editorial Board

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