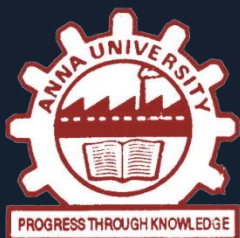


CATALYST

NEWSLETTER JUNE 2018 - MAY 2019



DEPARTMENT OF PETROCHEMICAL TECHNOLOGY
UNIVERSITY COLLEGE OF ENGINEERING
ANNA UNIVERSITY - BIT CAMPUS
TIRUCHIRAPPALLI - 24

"Remember, your work may be only to sweep a railway crossing, but it is your duty to keep it so clean that no other crossing in the world is as clean as yours."

Mokshagundam Visvesvarayya



SEPTEMBER-15

ENGINEER'S DAY

Dr. M. ARULMOZHI
Head of the Department



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EDITING DESK

STAFF INCHARGE

Dr. M. Rengasamy
Asst. Professor

STUDENTS

K. Chellammai
S. Md Shajathkhan

It is a matter of great pride and satisfaction to bring out the Newsletter for the period June 2018 to May 2019. This edition of the Newsletter reports the significant activities carried out by Student, Faculty and Alumni in the areas of Teaching and Learning, Research and Development. I appreciate the efforts put in by editorial board to bring out the Newsletter.

I appreciate the hard toil of all who have worked for getting NBA accreditation status for the Department. I congratulate the students who have won laurels in national level technical paper presentations, conferences and in interdepartmental sports meets. I also congratulate the students and staffs for their efforts putting in IICChE Students Chapter in our campus. National level conference(NETCPT) will be organized by the department every year.

Happy to announce that our department having the highest placement achievements in the academic year-2019-2020. I congratulate the students who have scored good marks in GATE and who are placed in core companies.

I wholeheartedly extend my support for the students in all their endeavors

INAUGURATION



PECONOVA 2K18 - SYMPOSIUM



MANAM CLUB



ROTARACT



NSS

INDEPENDENCE DAY



SPORTS (GIRLS TEAM)

PLACE

TABLE TENNIS

GOLD

BADMINTON

SILVER

FOOT BALL

BRONZE



GIRLS TEAM



MARCH PAST

NCC CADETS

The following cadets participated the “Combined Annual Training Camp” held at Edayaatti, Madurai , from 3rd – 12th January, 2019

- CQMS. K.Ranjith kumar
- LPCL. A.Thennarasi
- LPCL. R.Vishnu
- CDT. Subramaniyan
- CDT. V.Seenuvasan



LPCL. A.Thennarasi - won II PRIZE in “Firing Individual Competition” held at Edayapatti, Madurai

PROGRAM	PLACES	PRIZES
Heroes Day	BIT Campus, Trichy	Drill - WINNER
Champions Day	BIT Campus, Trichy	Drill – WINNER Overall - RUNNER
Champions Day	NIT Campus, Trichy	Drill - WINNER





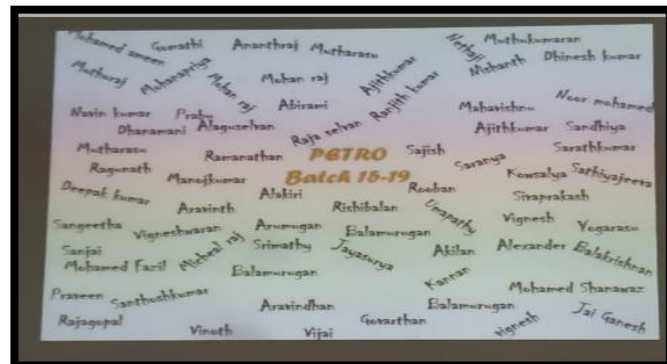
CONVOCATION

2012-2016

2013-2017



FAREWELL





Dr. M. ARULMOZHI
PROFESSOR

PROFESSIONAL RECOGNITION:

Anna University Nominee in the board of studies for Sethu Institute of Technology, 2018-2021

INTERNATIONAL PUBLICATIONS:

1. Vinothini G., Latha S., **Arulmozhi M.**, Dhanasekaran D. 2019. Statistical optimization, physio-chemical and bio-functional attributes of a novel exopolysaccharide from probiotic *Streptomyces griseorubens* GD5. International Journal of Biological Macromolecules, 134, 575–587. **[IF: 3.909]**
2. Vinothini G., Kavitha R., Latha S., **Arulmozhi M.**, Dhanasekaran D. 2018. Cell aggregating temperament and biopotency of cultivable indigenous actinobacterial community profile in chicken (*Gallus gallus domesticus*) gut system. Arabian Journal for Science and Engineering, 43, 3429–3442. **[IF: 1.092]**
3. B. Vijaya Kumar , **M. Arulmozhi** , B.G. Prakash Kumar and G. Ashwin, 2019. Production of activated carbon from mango seed coat using chemical activation. Journal of Environmental Biology, 40(3):283-290. **[IF: 0.727]**
4. Jayapriya Maruthai, **Arulmozhi Muthukumarasamy** "Fabrication and characterisation of silver nanoparticles using bract extract of *Musa paradisiaca* for its synergistic combating effect on phytopathogens, free radical scavenging activity, and catalytic efficiency", **IET Nanobiotechnology**, The Institution of Engineering and Technology, Sep.2018 (**Impact Factor :1.98**)
5. Jayapriya Maruthai, **Arulmozhi Muthukumarasamy**, D. Dhanasekaran, "Green Synthesis of Silver Nanoparticles Using Piper Longum Catkin Extract Irradiated By Sunlight: Antibacterial And Catalytic Activity, **Research on Chemical Intermediates**, Springer Verlag, 2019 (**Impact Factor :1.674**) Article DOI: 10.1007/s11164-019-03812-

BOOK CHAPTER:

Book Chapter titled "Ethnic probiotic foods of South India and their health benefits S. Latha, A. Hemamalini, S. Dinesh Kumar, **M. Arulmozhi** and Dharumadurai Dhanasekaran , Fermented Food Products, 1st Edition, A. Sankaranarayanan, N. Amaesan, D. Dhanasekaran, CRC Press, Taylor & Francis Group, 2019

PROGRAMMES ATTENDED:

AICTE -UKIERI Technical Leadership Development Programme for the AY 2019-2020 at AICTE Head quarters, New Delhi during 30 July - 2nd August 2019.



Dr. S.VENKATESAN
PROFESSOR

1. TNSCST PROJECT:

Sanction of grants- a sum of Rs 10,000/- funded by Tamil Nadu State Council for Science and Technology- TNSCST - 2018, to the student R.Abirami, under the mentorship of Dr. S.Venkatesan.

2. CTD T PROJECT:

Sanction of grants – a sum of Rs. 25,000/- for the Students Innovative Project (July-December,2019) funded by Centre for Technology Development and Transfer – CTD T, Anna University, Chennai , to the students R.Ramya and M.Amarnath, under the mentorship of Dr. S.Venkatesan



Dr. K. KUMARAGURU
Assistant Professor

INTERNATIONAL CONFERENCES:

- Presented a paper titled “ Kinetic modelling and equilibrium studies on CO₂ capture by microporous activated carbon biomass “ in the international conference held during 22nd & 23rd March 2019 at Karpaga Vinayaga College of Engineering and Technology
- Presented a paper titled “ Synthesis AG- ZNO Nanoparticles and its photocatalytic degradation of anthropogenic pollution “ in the international conference held during 22nd & 23rd March 2019 at Karpaga Vinayaga College of Engineering and Technology



Co Coordinator

EDII HUB

GOVERNMENT OF TAMILNADU

Chennai



Dr. N. JEYA
Associate Professor

Publication:

M. Rengasamy, V. Pugalenth, V. Sivasubramanian, **N. Jaya**, Synthesis of Biodiesel from Palm Oil & Rice Bran Oil using Na_2SiO_3 as Heterogeneous Base Catalyst, Engineering reports, 1 (2018) 11-21.

Book Chapter:

N. Jaya (2018), Necessity for Biodiesel Production in India, In: M. Arulmozhi & K. Kumaraguru. Introduction to Energy Engineering. Chennai: ASSVET International Publishers Co., pp. 3.1-3.40.

AICTE approved online courses Completed:

- NPTEL-AICTE one week FDP on Technical English for Engineers, August-September 2018.
- NPTEL-AICTE one week FDP on Natural Gas Engineering, August-October 2018.
- NPTEL one and half week Course on Chemical Reaction Engineering II, January-April 2019
- NPTEL-AICTE one week FDP on Waste to Energy Conversion, January-April 2019.

International Conference:

K. Indirajith & **N. Jaya**, Preparation of Super Hydrophobic Coating for Electrical Insulator to Protect Against Icing Flash Over, “International Conference on Sustainable Technologies for Industrial Hazardous Waste Management and Bioenergy (STIWMB-2019)” held on August 7-9, 2019, SRM Institute of Science and Technology, Kattangulathur, Tamil Nadu, India.

Reviewer recognition:

- Served as Recognised reviewer for the following list of journals during the mentioned period.
- Fuel
- Journal of Molecular Liquids
- Journal of Research in Environmental Science and Toxicology
- Journal of applied polymer science

ACHIEVEMENTS:

- The Topper – “Golden Elite” in NPTEL Online Course – “Chemical Reaction Engineering II”
- Silver medal in NPTEL Online Course - “Natural Gas Engineering”



Dr. M.RENGASAMY
Assistant Professor

JOURNAL PUBLICATIONS:

- M. Rengasamy, V. Pugalenth, V. Sivasubramaniyan, N. Jaya, Synthesis of biodiesel from palm oil & rice brane oil using Na_2SiO_3 as heterogeneous base catalyst, Engineering reports, 1(2018) 11-21
- Shanmugam Kodhaiyolli, Rengasamy, Mookan, Pugalenth, Velan, Phytofabrication of bimetallic Co-Ni using *Boerhavia diffusa* leaf extract: analysis of phyto compounds and application for simultaneous production of biohydrogen and bioethanol, Materials Research Express, Volume 6, Issue 9, (2019)

INVITED LECTURES:

- Lecture given in the topic of “Alkylation and Reforming” in SSN College of Engineering, Nammakal on 04-09-2019
- Presented a lecture on “Development & Scope of Chemical Engineering in Future” in Nandha College of Engineering, Erode

INTERNATIONAL CONFERENCE:

Presented research work on “One pot phyto fabrication of bimetallic Fe-Ni Nanoparticles using *BOLRHAUIA DIFFUSA* leaf extract: Spectroscopic and Microscopic Analysis” in BIOFLAIR- 2019 conducted by Pavendhar Bharathidasan College of Engineering and Technology, on 6th -8th March, 2019

ACHIEVEMENTS:

- Top 5% Rank in “Waste to Energy Conversion”- NPTEL Online Course
- Silver medal in NPTEL Online Course - “Plastic Waste Management”

AICTE approved online courses Completed:

Faculty Development Programmes:

- Waste to Energy - February- April, 2019
- Plastic Waste Management - February- April, 2019
- Fluid Mechanics - June, 2019

Presented a public speech about “The Effects of Plastic on Environment” in Tamil conference named “Negiliyum Gnyalamum”



Attending workshop on “Advancement in Compounding and Testing of Rubber Products” conducted by IRMRA- Indian Rubber Manufacturers Research Association – 6th August 2018



Offered “Research Internship” for M.Tech students of Pavendhar Bharathidasan College of Engineering, Tiruchirapalli



Presented a Special lecture on “ Scope of Chemical Engineering in Future” organised by Manam Club on 18th July,2018



Experts opinion about “impacts of plastic wastes” given in “Puthiya Thalaimurai” Tamil Weekly Newspaper” dated on 28th March,2019





Dr. E. GOMATHI
Assistant Professor

International Conferences

- E. Gomathi**, & K. Kumaraguru, “Synthesis of Ag- ZnO nanoparticles and its photocatalytic degradation of anthropogenic pollution”, International Conference on recent trends in science, engineering and management 22 & 23 March 2019, Karpaga Vinayaga College of Engineering and Technology, Chennai.
- K. Kumaraguru & **E. Gomathi**, “Optimization of biosorption process for removal of Cr (VI) by brown seaweed and applicability in isotherms and thermodynamics modeling”, International Conference on recent trends in science, engineering and management 22 & 23 March 2019, Karpaga Vinayaga College of Engineering and Technology, Chennai.

National Conferences:

1. **E. Gomathi** & K. Kumaraguru (2019), “Electrochemical Decolourisation and Degradation Of Methylene Blue Dye Using an Electro Fenton (EF) Process” National Conference on Industrial Pollution and Control Technology, **IPACT – 2019**, Organized by Department of Chemical Engineering, Faculty of Engineering and Technology, Annamalai University, Annamalai Nagar, India, during on 14 to 15 March 2019. Proceedings Industrial Effluent Treatment - (IPACT-2019 – IET – 013; ISBN – 978–93–5351–024-4).
- 2.**E. Gomathi**, G. Bagavananth, R. Gautham (2019), “Biosynthesis of SnO₂ Nanoparticles by aqueous leaf extract of Ficus Carica for Anti Reflective Coating on a Solar Panels”, National Conference on “Environmental Pollution and Control Technologies” (EPACT - 2019) on 30th & 31st August 2019, organized by the Department of Chemical Engineering, Annamalai University. Proceedings Environmental Pollution and Control Technologies - 2019, Funded by TANSCH, Government of Tamil Nadu: ISBN: 978-93-5361-615-1.
3. **E. Gomathi** , S. Swane, P.Dinesh (2019), " Bio-Synthesis of SnO₂ Nanoparticles by Aqueous Leaf Extract of Calotropis-Gigantea for Photocatalytic Application", ", National Conference on “Environmental Pollution and Control Technologies” (EPACT - 2019) on 30th & 31st August 2019, organized by the Department of Chemical Engineering, Annamalai University. Proceedings Environmental Pollution and Control Technologies - 2019, Funded by TANSCH, Government of Tamil Nadu: ISBN: 978-93-5361-615-1.

Book Chapter:

E. GOMATHI (2018), "Advanced Oxidation Process for Waste Water Treatment " In: K.Kumaraguru & M. Arulmozhi, INTRODUCTION TO ENERGY ENGINEERING, ASSVET International Publishers Co., No. 30, TVK Second Link Road, Thiruvalluvar Nagar, Chennai – 600118. pp. 4.1- 4.12 (ISBN :978-81 - 932456-8 -2).

AICTE Approved Online Courses Completed:

NPTEL - AICTE one week Faculty Development Programme on “Waste to Energy Conversion“- January-April,2019



Dr. N. STALIN
Assistant Professor

INTERNATIONAL JOURNAL PUBLICATIONS

- R.Murali, **N.Stalin**, P.Ravikumar 2019 “Performance Studies and Emission Analysis of Azolla and Corn Husk Biogas powered dual fuel mode Compression Ignition Engine,” Energy Sources, Part A: Recovery, Utilization, and Environmental Effects ,SCI, Scopus Indexed, IF = 0.55 (Accepted for publication).
- N. Lakshmi prabha **N. Stalin** a single-phase t-type transformer less npc- mli for grid-connected pv power system, International Journal of of Electrical Engineering Volume 18 / 2018 - Edition : 3 Page 331- 342
- G.Chitrakala, **N.Stalin**, V.Mohan [A Segmented Ladder-Structured Multilevel Inverter for Switch Count Remission and Dual-Mode Savvy Journal of Circuits, Systems and Computers](#) 23 Aug 2018 SCIE, Scopus Indexed, IF = 0.595.
- P.Sudharson, **N.Stalin** 2018 “Design And Performance Evaluation Of Shell And Tube Heat Exchanger In Automotive Engine Using O₃ Filter, Journal of Web Engineering, Vol. 17, No.6 (2018) 2568-2578 July 2018 **SCIE, Scopus Indexed, IF = 0.59**
- S. Jayanthi, **N. Stalin**, and S. Sutha 2018, "Internet Of Things (IoT) Based Generous Transformational Optimization Algorithm (GTOA) For Hybrid Renewable Energy System Synchronization And Status Monitoring", International Journal of Wireless Personal Communications, <https://doi.org/10.1007/s11277-018-5279-3>, 13 Feb 2018 **SCIE, Scopus Indexed, IF = 0.951**

AWARDS AND HONOURS:

Received **FIRST PRIZE IN BEST PRESENTATION AND PARTICIPATION** in Two weeks FDP on Application of Nano technology in solar system conducted by Department of Mechanical Engineering,NIT-Trichy





INTERNATIONAL CONFERENCE

N. Stalin 2019, "Performance Evaluation of Automotive Engine Attached with CHP System and O₃ Filter in Engine Exhaust " NUS and AMITY GLOBAL INSTITUTE-DSU-ARC 13th International Conference on Applied Research in Engineering and Management Sciences (ICAREMS-2019) Singapore.

PROGRAMMES ATTENDED:

- Two weeks FDP on "Application of Nano technology in Solar system", MHRD Sponsored – November-December, 2018
- Faculty Development Programme for students induction training, AICTE Sponsored - August, 2018
- One week FDP on "Heat and Mass Transfer", CFR Chennai sponsored – June, 2018
- One week FDP on "Control Systems", CFR Chennai sponsored – May, 2018

INTERACTION WITH OUTSIDE WORLD TRAINING PROGRAMME:

- Acted as a Chair person and presented a paper on Energy Efficient Bioreactor in the Department of Biotechnology, St. Joseph's College of Engineering, Chennai **DBT-GOI Sponsored 5th National Workshop on Biofuels and Bioenergy** in 07.09.2018 and 08.09.2018.
- Chief Guest Addressed and presented a topic on 'RENEWAL ENERGY SOURCES' in Two days National conference conducted by PITS, Thanjavur on 30/08/2018.
- Guest speaker and delivered a lecture on Energy Conservation opportunities in industries and household application in Institution of Engineers India IEI, Thanjavur on 25/07/2019.



Dr. J. VELMURUGAN
Assistant Professor

PUBLICATIONS:

- J. Velmurugan Biological treatment of polluted air containing MEK using corn starch and pressmud as packing material in the 2nd National conference on INDUSTRIAL POLLUTION AND CONTROL TECHNOLOGY 2019 held on the Department of chemical engineering and technology, Annamalai University during 13th and 14th March 2019



Mrs. K. ANBARASI
Assistant Professor

INTERNATIONAL JOURNALS:

- **Anbarasi Karunanithi** & Sivakumar Venkatachalam 2019, ‘Ultrasonic-assisted solvent extraction of phenolic compounds from *Opuntia ficus-indica* peel: Phytochemical identification and comparison with soxhlet extraction’, Journal of Food Process Engineering, vol. 42, no. 5, pp. e13126. (Annexure I, Impact Factor: 1.955).
- **Anbarasi Karunanithi** and Sivakumar Venkatachalam (2019), Optimization of Ultrasound – assisted extraction of phenolic compounds from wood apple pulp: Identification of phytochemicals using GC – MS. Chemical Industry & Chemical Engineering Quarterly, <https://doi.org/10.2298/CICEQ180828014K> (Annexure I, Impact Factor: 0.806).
- R. Srimathy¹ and **K. Anbarasi**^{1*} (2019), Devulcanisation of Tyre: Separation of Butadiene by Thermal Depolymerisation. American International Journal of Research in Science, Technology, Engineering & Mathematics., CONCEPT 19-PRP0101., ISSN (Print): 2328-3491

LIST OF SEMINAR / SHORT TERM COURSE /FDP/ WORKSHOP ATTENDED:

- Presented a paper titled “Studies on physio – chemical extraction techniques in sustainable biofuel production” in two days international conference “Biomass, Fuels and Chemicals,” on 12.09.2019 and 13.09.2019 Organized by Department of chemical engineering, Annamalai University, Chidambaram.
- Participated in AICTE Sponsored one week FDTP Training program on “Chemical reaction Engineering - II ” held on May 2019 Organized by Department of chemical Engineering, Anna University, Chennai.
- Completed a 12 week online certification course and received an ELITE member on “ Better spoken English” jointly conducted by NPTEL and SWAYAM on Jan/Apr 2019
- Participated in One day national seminar on “Nutraceuticals, Functional foods and Designer foods for human health and prevention of modern day diseases” on 08.03.2019 Organized by Department of food Technology, Kongu Engineering College, Erode.



Dr. P. SARAVANAN
Assistant Professor

Journals:

- **P.Saravanan**, K.Ganesan , V.Saravanan , S.Rajamohan , and M.Rajasimman Performance Studies on Biofilter for VOC Removal Under Various Organic Loading Rates and Gas Empty Bed Residence Times American International Journal of Research in Science, Technology, Engineering & Mathematics,25(1), December 2018- February 2019, pp. 55-62
- **P.Saravanan**, T. senthilkumar , V.Saravanan, and M.Rajasimman Simulation Studies in an Anaerobic Sequential Batch Reactor for the Treatment of Textile Dyeing Industry Effluent American International Journal of Research in Science, Technology, Engineering & Mathematics National Conference on Innovations in Bio, Chemical and Food Technology (IBCFT -2019), February 02, 2019
- **P.Saravanan**, V.Saravanan, and M.Rajasimman Biofiltration of benzene vapour using agro waste packing material in a biofilter American International Journal of Research in Science, Technology, Engineering & Mathematics National Conference on Innovations in Bio, Chemical and Food Technology (IBCFT -2019), March – May 2019, pp.33-43

International conference:

- International conference on recent biotechnological advancement and utilization of natural resources for betterment of mankind "**Optimization of cellulase production using aspergillus nidulan by RSM and comparison with genetic algorithm**" is selected for presentation on **22.03.19** karpaga vinayag engineering college and technology, Chennai

National Conference :

- Paper titled Bio – Catalysis of mango industrial waste by Trichoderma reesei for cellulase production On **Industrial Pollution and Control Technology [IPACT-2019]** 13th – 14th of March 2019
- Presented a paper titled “Challenges in Chemical Engineering and Biosciences for Sustainable Environment (CBSE)” on 15th and 16th of February, 2019, we are organising 4th national conference at Annamalai University, Chidambaram, Tamil Nadu, India

Programme attended:

- NPTEL 8weeks online course on “ waste to energy conversion” april 2019 one week
- FDP on chemical reaction engineering-i anna university chennai may 27-31 2019
- NPTEL 8weeks online course on “technologies for clean and renewable energy production:” september 2019

COMPANY NAME	STUDENTS NAME	DURATION
OMPL (ONGC Mangalore petrochemicals)	M. Amarnath, V.Vishal	6 th sem (1- month)
ONGC, Karaikal	V. Krishna Theja V. Vijayakumar R. Gautham N. Viswanath	6 th sem (15 days)
	A. Abdul Rahman S Avinash P.Dinesh B.Maheswaran	6 th sem (7days)
	N.Sethuraman, N.Sriraman, S.Hariprasath, V.Manju,	4 th sem (7 days)
FACT, Kochin	M.Amarnath, R. Vishal, V.Vijayakumar, G.Tamil selvan,S,Naveen Prasanth,P. Varunn,R.Rahul,M.G ohul raj, R.Gautham,V.Krishna Theja, N.Viswanath	5 th sem (7 days)
	A.Sajish K. Sathyajeeva T. Sanjai J. Alexander S.Balamurugan R. Vigneshwaran	8 th sem (30 days)
SPIC, Tuticorin	K. Chellammai, R.Varsha	6 th sem (7 days)
	R.Rahul, P.Subramanian	3 rd sem (5 days)
	R. Abirami R. Srimathi	8 th Sem (30 days)
EVERGREEN FABRICS PVT LTD, Tiruppur	V.Vijayakumar	5 th sem (5 days)
CETEX, Chennai	V. Rajaselvan S.Jayaganesh N. Mohanraj	8 th sem (30days)

COMPANY NAME	STUDENT NAME	DURATION
CETEX, Manali	K.Agilan, S.Mohana Narashimhan P.Manigandan S.M.Luqman V.Chennakesavan P.Nagoor mydeen S.Maheshwaran S.Lavanya A.Archana A.Abinaya	4 th sem (7 days)
DCW, Tuticorin	K. Chellammai	6 th sem (7 days)
CPCL, Nagapattinam	T.Navin kumar S.Ragunath N. Sivaprakash V.Gomathi R.Mohan raj J.Vignesh	8 th sem (30 days)
MFL, Chennai	V.Manoj kumar B. Vijai R.Kowsalya M.Ananthraj	8 th sem (30 days)
Ultramarine Pigments	C.Ranjith kumar S. Prabhu N.Muthuraj K.Muthukumaran	8 th sem (30days)
CPCL, Chennai	R. Saranya P.Santhya S.Sangeetha V.Rishibalan S.Yogarasu	8 th sem (30days)

UNIVERSITY RANK HOLDERS

2013 – 2017

D. Vinoth - I
M.Jeevitha Meega Selvi - II
Jamal Mohamed Ali - III

2014 – 2018

R. Pavithra - I
P.S. Kaaviya - IV

1. NBA STATUS:

Department making its continued effort to meet and improve the academic standards. In order to establish the same, the department applied for NBA accreditation during the year 2017. Successfully, accreditation status granted for the period of academic years 2018-2021.



2. GATE QUALIFIED:

N. Sivaprakash – qualified in the academic year of 2019 with good marks

3. TNSCST PROJECT:

Sanction of grants- a sum of Rs 10,000/- funded by Tamil Nadu State Council for Science and Technology- TNSCST - 2018, to the student R.Abirami, under the mentorship of Dr. S.Venkatesan.

4. CTDT PROJECT:

Sanction of grants – a sum of Rs. 25,000/- for the Students Innovative Project (July- December, 2019) funded by Centre for Technology Development and Transfer – CTDT, Anna University, Chennai, to the following Team.

Mentors	Students	Title of project
Dr. M.Arulmozhi	M. Abinaya R. Bharath	Design and fabrication of biocompatible core shell nanocomposites for the enhanced antioxidant and antimicrobial activities
	M. Thamizhazhagan P. Varunn V. Seenuvasan	Bio-degradation of oil spills by indigenous actinobacteria originated from hydrocarbon contaminated soils
	M. Veeramani W. Ambrose Thiyagaraja	Development & demonstration of the ultra efficient nanofilter system for recycling of textile effluence
Dr. S.Venkatesan	R. Ramya M. Amarnath	Deep desulfurisation of liquid (Diesel) fuels using an Ionic liquid
Dr. M.Rengasamy	V. Krishna Theja V. Vijayakumar S. Manoj kumar	Design and fabrication of one step oil removal from crude oil spills using Novel adsorbent

Dr. S.Venkatesan & Dr. M.Rengasamy visited DCW- Dharangathara Chemicals Works, Tuticorin on 6th February 2019, and invited them for the On-Campus Recruitment Drive



Dr. S.Venkatesan & Dr. M.Rengasamy visited SPIC- Southern Petrochemical Industries Corporation, Tuticorin on 6th February 2019, and invited them for the On-Campus Recruitment Drive

Welcoming TCL- Thirumalai Chemicals Limited, for the Campus Recruitment



Welcoming Arvy International, Bangalore, for the Campus Recruitment



ARVY



SPIC



INDIGO



TCL

COMPANY	STUDENTS
SPIC, Tuticorin	V. Manoj kumar
Sanmar Limited, Chennai	V. Rishi balan N. Siva prakash
INDIGO Paints, Chennai	M. Ramanathan K. Mohamed Ammeen G. Arumugan R. Rooban
SICGIL Industrial gases ltd, Chennai	K. Ajith kumar C. Ranjith kumar B.Sarath kumar
Arvy Internationals, Bangalore	R. Kowsalya V.Gomathi P. Deepak kumar R. Abirami S.Ragunath
ICON ,Chennai	R. Srimathy
Anthem Bioscience, Bangalore	S. Mahavishnu J.Vignesh B.Vijai K.Muthukumaran
United Cooling Systems, coimbatore	T. Naveen Kumar
TAGROS, Cuddalore	P. Umapathy S. Kannan V. Govarthan

PLACEMENT ACHIEVEMENT:

38% of placement is achieved in core companies in the academic year of 2018 - 2019

CLASS COMMITTEE MEETING:

A class committee is formed for every semester in which the teaching staffs and the students are participated to enhance the class performance and to solve the students issues regarding the classes



GOVINDHA RAJAN- M.Tech, Energy Management, discussed the topic of “Conservation of Energy in Future”

JOHN ENOCK – Assistant Driller, Deep offshore drilling, Transocean- presented a lecture on “ Role of Petrochemical Engineers in Offshore and Onshore Petroleum Exploration”



THIRUPATHI – Assistant Driller, Cairn India Limited, Gujarat – explained his working experience and discussed the role of drillers in modern petroleum exploration

MANI SANTHAVEL- Marketing Manager, Asian paints , presented a lecture on “Advanced Technology in Paint Manufacturing”



As a Petrochemical engineer, I find myself equipped with the basics of chemical engineering as well as on the processes in a petrochemical industry. I consider this to be the uniqueness of our course structure. As a student at Anna University, I was provided with every opportunity to prepare for competitive exams and develop my personality skills to enhance my academic career. The diverse curriculum at Anna University had widened my horizons in the engineering domain and I was able to pursue my masters at National Institute of Technology Karnataka (NITK) in the interdisciplinary course of industrial pollution control. A major difference I could spot between my bachelors and masters is the level of exposure and involvement towards research. Getting to know about research and learning about scientific publications (that place our work on a global platform) is a new skill that I tried to pick up during my masters. Now I am certain that my juniors would have better exposure than me and would be guided by our faculty to think beyond the conventional course structure. On line with that, when applying for a Ph.D., the foremost topic of discussion in the interviews was my planning and interest towards research and how I was prepared to explore on the unprecedented path. A strong fundamental knowledge on science and acuity towards adopting new tools is the way I believe and want to practice to excel in academics. Thank you for the endless support and motivation given by our faculty that makes me better in every aspect.



SINDHU VIJAYAN
2010-2014

NOTABLE ALUMNI:

1. **J. KOUSHIK** (2001 – 2005)
Sr MANAGER
ESSAR OIL, Jamnagar
2. **R. SEKAR** (2001 – 2004)
Chief Engineer,
TOPSOE Refinery, Denmark
3. **MANI SANTHAVEL** (2002 -2006)
South zone Marketing Head
ASIAN PAINTS, Chennai
4. **P. MANIKANDAN** (2005 – 2009)
Deputy Manager,
ANTHEM Bio Science, Bangalore
5. **A. KATHIRAVAN** (2005 – 2008)
IOCL, Hosur
6. **JOHN ENOCK** (2004 – 2008)
Chief Driller,
TRANSOCEAN, Mumbai



- 1 - This jain temples justifies the beauty of Mount Abu(7 letters)
- 2 – This is the world’s tallest statue depicts “The Iron man of India”
- 3- This atomic power station was the first commercial nuclear power station
- 4 – He was the first “Tamil Nobel Laureat” in the field of Physics
- 5 – He is the Minister of Petroleum and Natural Gas in the year of 2017
- 6 – Etymology of this state defines
- 7 – This state is extremely rich in this resources
- 8 – This coalfield produces the best quality of non-coking coal
- 9 – This village receives the highest rainfall in india
- 10 – This town is known as “the oil city of assam”

CROSS WORD

ACROSS:

5).....(7 letters) This range is the oldest mountain range in India

7).....(9 letters) This country has the largest oil reserves in the World

9).....(6 letters) Obsidian rock is rich in this minerals

10).....(4 letters) This animal is chosen as 2018 FIFA World Cup official mascot

DOWN:

1).....(6 letters) This revolution in India, is a practise of raising poultry farming

2)This is the unit(plural) of volume for crude oil and petroleum products.....(7 letters)

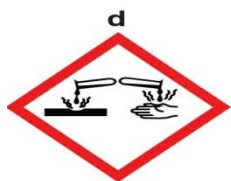
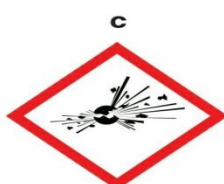
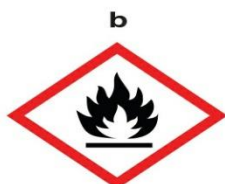
3).....(7 letters) commonly known as "Tar"

4)The largest dry rock in India is situated at(8 letters)

6)A crystalline rock formed when magma or larva cools down and solidifies is called..... (7 letters)

8).....a town where the First oil well in Asia was drilled

Match the pictograms with their descriptions!



1- carcinogenic hazard

2- highly flammable

3- an immediate skin, eye, respiratory tract irritant

4- highly explosive

5-highly poisonous

6- gases stored under high pressure

7-highly corrosive

8-oxidizers

9- highly toxic to aquatic wildlife

MANAGING WORKSITE RISKS WITH PERSONAL PROTECTIVE EQUIPMENT

HEAD



5 out of every 6

workers who sustain a head injury aren't wearing a hard hat at the time



Always confirm where the designated hard hat areas are within your worksite.

HANDS



Considering construction workers make a living with their hands, it's no surprise that **injuries to this area are the 2nd-leading cause of days-away-from-work.**



Gloves provide the first line of defense against cuts and abrasions, but don't forget about chemical and heat protection as well when making your selection.

EYES & EARS



The average construction worker spends 1/3 of each shift exposed to noises that are

85+ decibels



of workers suffering an eye injury actually are wearing some sort of protection at the time, but full-cup and side shield features are often absent.



Chronic risks such as noise exposure must be addressed with the same diligence as traumatic injuries caused by flying objects.

CLOTHING



of all street and highway construction injuries are visibility-related



High-visibility clothing ensures that you'll be seen by everyone in the construction zone and safe to do your job.

GUESS IT - ANSWERS:

- 1-Dilwara temples, Rajasthan
- 2- Sardar Vallabhbhai Patel, Statue of Unity, Gujarat
- 3 – Tarapur , Maharastra
- 4 – Sir.C.V.Raman, Raman Effect
- 5 – Dharmendra Pradhan
- 6 – The Land of Bush or Forest (Jhar- Land & khand- Bush)
- 7 – Hydro electricity, Himachal pradesh
- 8 – Raniganj coalfield, West bengal
- 9 – Mawsynram, Meghalaya
- 10- Digboi, Assam

CROSS WORDS – ANSWERS:

ACROSS

- 5 – Aravali
- 7- Venezuela
- 9- Silica
- 10- Wolf

DOWN

- 1- Silver
- 2- Barrels
- 3- Bitumen
- 4- Marmugao
- 6- Igneous
- 8- Digboi

ANSWERS:

Symbols – descriptions

- a – (8)
- b – (2)
- c – (4)
- d – (7)
- e – (6)
- f – (9)
- g – (3)
- h – (1)
- i – (5)

