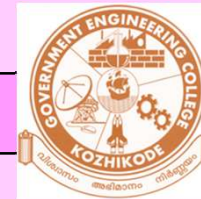




Emerging Trends in Engineering, YUKTHI 2023 (10-12 April 2023)



Department of Chemical Engineering, Government Engineering College, Kozhikode

International Conference on Process Engineering and Sustainable Technology (STEP 2023)

Day 1	10-04-2023	Venue: Placement Hall	Time: 02.30 PM - 04.30	
Sl. No.	Paper ID	Paper Title	Author	
		Paper Presentation		
1	32	Comparison of electrospun polyurethane membrane and dip coated electrospun polyurethane membrane in chromium removal.	Parvathy Pavithran	Chair: Dr. Manilal A M Co-chair: Dr. Binu T V
2	77	Waste to value added : keratin nanoparticle synthesis and application- a review	NIKHILA MUKUNDHAN	
3	75	TiO ₂ as a photocatalyst for wastewater treatment - a review	Nanditha P P	
4	116	A review of unsaturated polyester resin-based adhesives	Anagha P S	
5	107	Preparation and Characterization of Biochar from Banana Stem for the Treatment of Textile Dye	Fahmidha Sherin P	
6	118	A Comprehensive Review Of Experimental Investigations On Potential Antimicrobial Agents For Biofilm Reduction	Parvathy V R	



Emerging Trends in Engineering, YUKTHI 2023 (10-12 April 2023)



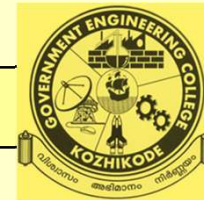
Department of Chemical Engineering, Government Engineering College, Kozhikode

International Conference on Process Engineering and Sustainable Technology (STEP 2023)

Day 2	11-04-2023	Venue: Placement Hall	Time: 11.15 to 12.45	
Keynote:	A small step towards developing edible and sustainable fat substitutes			
Topic	Speaker: Dr. Alan Ranjit Jacob (Assistant Professor, IIT Hyderabad)			
		Paper Presentation	Time: 10.00 AM-11.00 AM	
Sl. No.	Paper ID	Paper Title	Author	
1	65	A critical overview of use of biodiesel as an alternative fuel: Techno - economic perspective	Pooja Pandurang Sanap	Chair: Dr. Ranjith P M Co-chair: Dr. Ushakumary E R
2	86	Recovery of protein from waste dairy milk; A Review	Alisha babu	
3	157	Optimization and production of biodiesel using microbial oil from chlorella vulgaris	Jisa Jose	
4	92	Biochar and their application as transesterification catalyst: A review	Pooja P	
5	120	Synthesis and characterization of micro-encapsulated phase change material for thermal energy storage applications.	Aishwarya B Salve	
6	115	Zeolite synthesis from waste materials and its recent applications: - a review	Deepika D	



Emerging Trends in Engineering, YUKTHI 2023 (10-12 April 2023)



Department of Chemical Engineering, Government Engineering College, Kozhikode

International Conference on Process Engineering and Sustainable Technology (STEP 2023)

Day 2	11-04-2023	Venue: Placement Hall	Time: 01.30-3.00	
Sl. No.	Paper ID	Paper Title	Author	
		Paper Presentation		
1	112	Comparative study of corrosion inhibitors from natural and chemical means	Sana Musthafa B	Chair: Dr. Haseena P V Co-chair: Dr. Anjana R
2	121	Oil Separation using Modified Kapok fiber from different sources of Waste water- A Review paper	Abhirami C B	
3	113	MFC production & rain fastness analysis in pesticides	Eldho Kuriakose	
4	119	Lignin based adsorbent for removal of pollutants: a review	Aparna C Kishor	
5	110	Extraction of Keratin from Different Sources: A Comparative Study	Anzeem Nisar Abdulla	
6	7	Purification and Characterization of Fullerene Molecules	Gokul Chandran	



Emerging Trends in Engineering, YUKTHI 2023 (10-12 April 2023)



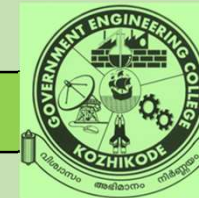
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International Conference on Process Engineering and Sustainable Technology (STEP 2023)

Day 2	11-04-2023	Venue: Placement Hall	Time: 03.00-4.30	
		Paper Presentation		
Sl. No.	Paper ID	Paper Title	Author	
1	67	Steam gasification of municipal solid waste for hydrogen production	Tija C Jaison	Chair: Dr. Ahammed Sherief K Y Co-chair: Dr. Manju M S
2	49	Mitigation of accidental chlorine release from storage pressure vessels	Ejjas Ahammed	
3	69	Carbon dioxide capture using ionic liquid: a simulation study	Amrutha K	
4	101	Simulation of Titanium Dioxide Production Using UniSim Design R480	Hafna P	
5	105	Experimental and Modeling studies of Carbon dioxide Adsorption on Silica Aerogel Packed Bed System	Dr. Minju N	
6	93	Simulation model for hydrogen production via reforming of biomass gasification tar	Nanditha P P	



Emerging Trends in Engineering, YUKTHI 2023 (10-12 April 2023)



Department of Chemical Engineering, Government Engineering College, Kozhikode

International Conference on Process Engineering and Sustainable Technology (STEP 2023)

Day 3	12-04-2023	Venue: Placement Hall (Main Block, Ground Floor)		
Keynote:		Computer-Aided Methods for Sustainable Chemical Product Design	Time: 10.00 AM-11.00 AM	
Topic		Speaker: Dr. Nishanth Chemmangattuvalappil (Professor, University of Nottingham)		
		Paper Presentation	Time: 11.00 AM-01.00 PM	
Sl. No.	Paper ID	Paper Title	Author	Chair: Dr. Mercy Anna Philip Co-chair: Dr. Gigi Sebastian
1	156	Comparison of electrospun polyurethane membrane using GO and Silane modified GO for oil-water sorption	Riya Mariyam John	
2	106	Oil palm biomass as a potential heavy metal adsorbent:- a review	Febin Mathew	
3	158	Photocatalytic Degradation of Reactive Red and Toluidine Blue Dyes Using Zinc Ferrite Perovskite Nanoparticles	Libin George	
4	103	Study And Development Of Modified Wheat Bran For Dye Removal From Wastewater	Sana Hameed T	
5	117	Extraction and Characterization of natural pigment curcumin; A review	Uthara K U	
6	122	Preparation and characterization of bioadsorbent from saw dust for the removal of Cd ²⁺ ions from water	Srilekshmi M	
7	108	Characterization of pineapple leaf fibers and their suitability for biocomposite preparation	Sabitha Sathyan	