

BIODATA



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Department of Chemical Engineering
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4. Institution address : Government Engineering College ,
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6. Academic qualification :

Degree	Specialization	University/Institution
Ph.D	Reaction Engineering	IIT Madras
M.Tech	Chemical Engineering (Process Control)	Government Engineering College, Thrissur
B.Tech	Chemical Engineering	T. K. M. College of Engineering, Kollam

Publications: Journal/conferences

- Beula C. and P.S.T. Sai. Kinetics of Esterification of Palmitic acid with Ethanol-Optimization Using Statistical Design of Experiments. *International Journal of Chemical Engineering and Applications*, Vol. 4, No. 6, December 2013.
- Beula C. and P.S.T. Sai. Kinetics of Esterification of Acetic acid and Ethanol with a Homogeneous acid catalyst. *Indian Chemical Engineer*. pp 1-20, 2014.
- Stephy Jose and Beula C. Isolation of Cassava Linamarin as a Minimal Immuno Suppressive Drug against Cancer. *IJARMET*, pp. 36-39, Vol.3, Issue 2, August 2019.
- Beula C. and P.S.T. Sai. Kinetics of Esterification of Acetic acid and Ethanol with a Homogeneous acid catalyst. International conference on Mathematics in Chemical Kinetics and Engineering, February 4-6, 2013, IIT Madras, Chennai.
- Beula C. and P.S.T. Sai. Kinetics of Esterification of Palmitic with Ethanol-optimization using Statistical Design of Experiments. International Conference on Chemical Engineering ,and Application, October 12-13, 2013, Paris, France.
- Beula C. and P.S.T. Sai. Enhancement Of Esterification Of Acetic Acid With Ethanol - Catalysed By Bronsted Acidic Ionic Liquids. *CHEMCON 2014*, December 27-30 2014, Punjab University, Chandigarh.
- Nithya Gopinath and Beula C. Enhancement Of Esterification Reaction using ionic liquid as catalyst with simultaneous removal of water. 22 nd international Conference on Biotechnology, Civil and Chemical Engineering (ICBCCE), 4/9/2016, Technical research Organisation, Pune.
- Nithya Gopinath and Beula C. Ionic liquids for Esterification. National conference on emerging trends in engineering (NET 16), 7-8/11/2016, Govt. Engg. College, Kozhikode
- Sreelekshmi M. and Beula C. A New Milestone in Pharmacology: Drugs Detection. International Conference on Emerging Trends in Engineering Science and Technology(ICETEST), 18-20th January 2018, Govt. Engg. College Thrissur.
- Sreelekshmi M. and Beula C. A review on ionic liquids-Synthesis, Properties and Application. First international Conference on Energy and environment (ICEE 2018), 9-10 March 2018, National Institute of National Technology Calicut.
- Sreelekshmi M. and Beula C. A Review on the use of carbon based material in proton exchange membrane fuel cell. International Conference on Waste, Energy and Environment, 5-7 September 2018, Sathyabama Institute of Science and Technology.
- Sreelekshmi M. and Beula C. Bio-Adsorbent for removal of toxic materials from water. National Conference on Energy Trends in Science, Technology and

Application of Elecrtion Microscopy, 19-21 December 2018, NIIST, Trivandrum. STAEM-2018.

- Sreelekshmi M. and Beula C. The Reign of Shape Memory Polymers: A review. National Conference on Energy Trends in Science, Technology and Application of Elecrtion Microscopy, 19-21 December 2018, NIIST, Trivandrum. STAEM-2018.
- Sreelekshmi M. and Beula C. Effective Separation of Ester -Alcohol Mixture using Ionic Liquid. KETCON, 15-17 th February 2019, Govt. Engg. College Thrissur.
- Sreelekshmi M. and Beula C., A Review on the Techniques used for Illicit Drug Detection. International virtual conference on Recent Trends and Innovations in Science Engineering and Social Sciences. 4-6 th September 2020, Virudhunagar Hindu Nadar's Senthikumara Nadar College, Virudhunagar, Tamil Nadu.
- Gokul Chandran and Beula C, Emerging trends in biomimetics: An Overview. Yukthi 202,. The International Conference on Emerging Trends in Engineering, Govt. Engineering College Kozhikode, 24-26th September 2021.
- Faiza E K and Beula C, Corrosion protection by conducting polymers: A review. Yukthi 2021,. The International Conference on Emerging Trends in Engineering , Govt. Engineering College Kozhikode, 24-26th September 2021.
- Lincy Sunny K and Beula C, Simulation of biomass gasification using Aspen Plus and UniSim Design: A review. Yukthi 2021,The International Conference on Emerging Trends in Engineering, Govt. Engineering College Kozhikode, 24-26th September 2021.
- Srilekshmi M and Beula C, Preparation and characterization of bio-adsorbent from Tamarindus Indica shell for the removal of toxic metals from water. Yukthi 2021,. The International Conference on Emerging Trends in Engineering, Govt. Engineering College Kozhikode, 24-26th September 2021.

Project Work

- TEQIP II Research seed money Project. Improvement in efficiency of esterification reaction systems using Bronsted acidic ionic liquids as catalyst along with simultaneous removal of water.

Programmes Organized

Sl No	Name of Progrmme/Title	Nature	Duration

	Waste To Energy	FDP	19 th to 25 th January 2022 (6 days)
	Opportunities and Challenges In Academic Research	FDP	15 th to 20 th March 2021.
	Advanced Personal & Professional Grooming	Student Training Program	21 th to 25 th January 2020
	Personal & Professional Grooming	Student Training Program	5 th to 9 th August 2019.
	Software Skill Development	Student Training Program	15 th to 19 th July 2019
	Mathematical Methods in Engineering	FDP	11 th to 16 th February 2019
	MATLAB and SIMULINK	STTP	13-15 February 2017
	Workshop on Computational Modelling of Flow processes	Workshop	25 to 28 November 2015
	NBA accreditation	Workshop	15- 18 July 2015

Membership of Professional Bodies

Sl No.	Name and Address of Organisation	Date and Year of Registration	Membership No.
1	Indian Society for Technical Education	2004	