

**Dr. BEULA C.**  
**ASST. PROFESSOR**

**Contact Details**

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**Professional Qualifications**

B-Tech	Specialization	Chemical Engineering
	Institute/University	Kerala University
	Year	1999
M-Tech	Specialization	Chemical Engineering( Process Control)
	Institute/University	Calicut University
	Year	2003
PhD	Specialization	Reaction Engineering
	Institute/University	IIT Madras, Chennai.
	Year	2015

### Areas of Interest

**Reaction Engineering, Process Control, Catalysis**

### Professional Experience

- Teaching Experience-13 years

### Responsibilities/Position

- Accreditation Coordinator

### Training Details (2014-15 Onwards)

<b>Course Name</b>	<b>Conducted By</b>	<b>Sponsoring Agency</b>	<b>Period</b>	<b>No of days</b>
MATLAB and SIMULINK	GEC Kozhikode	TEQIP PHASE II	13-15 February 2017	3 days
Managerial Effectiveness	Management Development Institute, Gurgoan	TEQIP PHASE II	6-8 February 2017	3 days
Molecular characterisation Techniques	GEC Kozhikode	TEQIP PHASE II	3-6 August 2016	4 days
Design and Engineering	GEC Kozhikode	TEQIP PHASE II	3 – 5 February 2016	3 days
Computational modeling of flow processes	GEC Kozhikode	TEQIP PHASE II	25 – 28 Nov 2015	4 days

Thermal and structural analysis – A simulation approach	GEC Kozhikode	TEQIP PHASE II	4 -6 Nov 2015	3 days
NBA accreditation - by ESCI Hyderabad	GEC Kozhikode	TEQIP PHASE II	15- 18 July 2015	4 days
Pedagogical Training Programme	Teaching Learning Centre, IIT Madras	TEQIP PHASE II	22-24 June 2015	3 days
Concepts coaching – by ICT academy	GEC Kozhikode	TEQIP PHASE II	12 -14 Feb 2015	3 days
Statistics for Experimentalists	Indian Institute of Technology Madras, Centre of Continuing Education	AICTE	17-29, March 2014	13 days

## **Publications**

### **Refereed journal papers**

[1] Beula C., Sai P.S.T. Kinetics of esterification of palmitic acid with ethanol - optimisation using statistical design of experiments – *Int. J. Chem. Eng. and Appl.*, 2013, 6, 388-392.

[2] Beula C., Sai P.S.T. Kinetics of esterification of acetic acid and ethanol with a homogeneous acid catalyst. *Indian Chem. Eng.*, 2015 ,57, 2 177-196.

### **International conference papers**

- [1] Beula C., P.S.T. Sai. Kinetics of acetic acid and ethanol with a homogeneous acid catalyst. MaCKiE 2013, IIT Madras, India, on Feb. 4 – 6, 2013, Book of Abstracts, 63-64.
- [2] Beula C., P.S.T. Sai. Kinetics of esterification of palmitic acid with ethanol-optimization using statistical design of experiments - International Conference on Chemical Engineering and Application ( CCEA-2013), Paris, on 12-13 October 2013.
- [3] Beula C., P.S.T. Sai. Enhancement of esterification of acetic acid with ethanol - catalysed by Bronsted acidic ionic liquids. CHEMCON 2014, Chandigarh, India, Dec. 27 – 30, 2014.

### **National conference papers**

- [1] Nithya Gopinath, 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), Technical research Organisation, Pune, India.
- [2] Nithya Gopinath, Beula C. Ionic liquids for Esterification. National conference on emerging trends in engineering ( NET 16). Govt. Engg. College, Kozhikode.

### **Project/Consultancy**

Research project under TEQIP Titled “Improvement in efficiency of esterification reaction systems using Bronsted acidic ionic liquids as catalyst along with simultaneous removal of water”