

**Dr. Mary Lubi C.**  
Professor



**Contact Details**

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**Professional Qualifications**

B-Tech	Specialization	Chemical Engineering
	Institute/University	Kerala University
	Year	1988
M-Tech	Specialization	Polymer Technology
	Institute/University	Cochin University of Science and Technology, Kochi
	Year	1995
PhD	Specialization	Polymer Technology
	Institute/University	Cochin University of Science and Technology, Kochi
	Year	2008

## Areas of Interest

- **Polymer Technology**

## Training Details

Course Name	Conducted By	Sponsoring Agency	Period	No of days
Academic leadership programme	IIM, Kozhikode	TEQIP	02/02/2015 to 07/02/2015	5
Thermal and Structural Analysis –A simulation Approach	GEC, Kozhikode	TEQIP	04/11/2015 to 06/11/2015	3
Computational Modelling of flow Processes	GEC, Kozhikode	TEQIP	25/11/2015 to 28/11/2015	4
Leadership Empowerment-Power to transform	College of engineering, Thiruvananthapuram	TEQIP	29/02/2016 to 04/03/2016	5

## Publications

1. “Cashew Nut Shell Liquid- a versatile monomer for polymer synthesis” *Designed Monomers and Polymers*, Vol 3, No 2, 123-153 (2000)
2. Modification of Unsaturated Polyester Resin Using Elastomers, *Journal of Elastomers and Plastics* Vol 32, 60- 72 (2000)
3. Synthesis of Unsaturated Polyester Resin- effect of anhydride ratio, *Designed Monomers and Polymers*, Vol 4, No 3, 260-267 (2001)
4. “Modification of NBR by addition of Phenol- CNSL- Formaldehyde copolymer” *Journal of Elastomers and Plastics*, Vol 33, No 2, 121-136 (2001)
5. “Copolymerization of CNSL and phenol by condensation with hexamine “ *International Journal of Polymeric Materials*, Vol 52, No 9, 793-807 (2003)
6. “Effect of Phenol- CNSL- Formaldehyde on Thermal Ageing of NBR” *Progress in Rubber, Plastics and Recycling Technology*, Vol 21, No 3, 201-218 (2005).
7. “Studies on metal-to-metal adhesives based on CNSL resin” *Polymer Plastic Technology and Engineering* Vol 45, 43-48(2006).
8. “Effect of Phenol- CNSL- Formaldehyde on Thermal Ageing of SBR” *International Journal of Polymeric Materials* Vol 56, 147-166 (2007)
9. “Particleboard from Cashew Nut Shell Liquid (CNSL)-I” *Polymer Plastic Technology and Engineering* Vol 15, No 1, 75-82 (2007)
10. Effect of Phenol- CNSL Formaldehyde on Thermal Ageing of Elastomers-I,  
*International Journal of Polymeric Materials* Vol 56, No 7, 697-713 (2007)
11. Effect of Phenol- CNSL Formaldehyde on Thermal Ageing of Elastomers-II,  
*International Journal of Polymeric Materials* Vol 56, 1-16 (2007)

12. "Particleboard from Cashew Nut Shell Liquid (CNSL)-II" *Polymer Plastic Technology and Engineering* Vol 46, No 4, 393-400 (2007)

#### **Details of conference papers**

1. Sorption of Hazardous dyes Using Magnetic Biocomposite presented on the *2nd National Conference on Emerging Trends in Engineering -NET 2014*
2. Development of chitosan/Polyvinyl alcohol blend beads for removal of methylene blue presented on the *National Conference on Emerging Trends in Engineering -NET 2016*
3. Biocomposites based on Jute and Acrylonitrile Butadiene Styrene (ABS) for Sound Absorption Applications presented on the *National Conference on Emerging Trends in Engineering -NET 2016*