

**Dr. RENJANADEVI B.**  
**PROFESSOR**



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### **Professional Qualifications**

B-Tech	Specialization	Chemical Engg
	Institute/University	University of Calicut
	Year	1988
M-Tech	Specialization	Chemical Engg.
	Institute/University	Bharathiar University
	Year	1990
PhD	Specialization	Polymer Technology
	Institute/University	Cochin University of Science and Technology
	Year	2009

### **Areas of Interest**

Polymer Technology, Materials development, Chemical Reaction Engg., Mass Transfer

### **Professional Experience**

- Teaching-17 Years

### **Responsibilities/Position**

- Head of the Department
- Convener-Anti ragging Committee
- Member of Disciplinary Action Committee
- Member of Faculty of Engg., University of Calicut
- Chairman, B.Tech examinations in Biotechnology Engg.

### **Training Details (2014-15 Onwards)**

Course Name	Conducted By	Sponsoring Agency	Period	No of days
1.Molecular Characterisation Techniques	Department of Chemical Engg Govt.Engg.College, Kozhikode	TEQIP-II	3-5 August 2016	3
2. MATLAB and SIMULINK	Department of Chemical Engg Govt.Engg.College, Kozhikode	TEQIP-II	13 <sup>th</sup> - 18 <sup>th</sup> February 2017	3

## List of Publications

### Number of Publications : 2

1. Renjanadevi. B and K.E. George; Modification of polystyrene, using nanosilica for improvement in mechanical properties. Progress in Rubber, Plastic & Recycling technology, Vol.25, No.2, 2009, 103-113.
2. Ananthu C Mohan and Renjanadevi B, "Effect of Zinc Oxide Nanoparticles on Mechanical Properties of Diglycidyl Ether of Bisphenol-A" Journal of material sciences and engineering, November 08, 2016 Volume 5 , Issue 6 ,1-5.

### International Conference : 9

1. Renjanadevi. B and K.E. George; 'Kinetic studies on synthesis of nanosilica using PVA as surfactant', International Conference on Advances in Polymer Technology, Kochi, Kerala, September 25-27, 2008.
2. Renjanadevi.B and K.E. George; " Modification of polymers using nanosilica.", International Conference – Asia Rub Tech. Expo 06, Nov. 23 – 25, 2006, Cochin, Kerala.
3. Renjanadevi.B & K. E. George; 'Coupling agent for improving the mechanical properties of nanosilica modified polypropylene and polystyrene', International Conference on Materials for Future ICMF – 2008,Jan. 17 – 19, Govt. Engg. College, Thrissur, India.
4. Tinu Valsa Paul and Renjanadevi B Boilers Automation and Control In CPP To Enable Dual Fuel Firing (Either R-LNG Or Furnace Oil) International Conference on Materials for Future ICMF – 2013,Nov. 6 – 8, Govt. Engg. College, Thrissur, India.
5. Najuma Abdul Razack and Renjanadevi.B " Modification Of PS/PBR blends using Nanosilica" International Conference on Materials for Future ICMF – 2013,Nov. 6 – 8,Govt. Engg.College, Thrissur, India.
6. Renjanadevi.B & K. E. George and Neethu N., " Performance Enhancement and Reuse of Polyvinyl chloride using Polyaniline and conducting fillers" International Conference on Recycling and Reuse of Plastic Materials." ICRM 2014, Centre for Nanoscience and Nanotechnology,Mahatma Gandhi University,Kottayam.
7. Vishnu R.Nair and Renjanadevi B., "Adaptive Neural Fuzzy Interface System Based Boiler Drum Level Control" International Conference on Advances in Chemical Engineering and Technology, ICACE TKMCE-2014.
8. Remya K, and Renjanadevi B, Thermo-physical property analysis of TiO<sub>2</sub>-PVA nanofluid, International Conference on Energy, Environment, Materials, and Safety from December 10 to 12, 2014.
9. Ananthu C Mohan and Renjanadevi B, Preparation of Zinc Oxide nanoparticles and its characterization using Scanning Electron Microscopy (SEM) and X-Ray Diffraction(XRD) International Conference on Advances in Chemical Engineering (ICChE) 2015.

## **National Conferences**

**: 6**

1. Tinu Valsa Paul and Renjanadevi B “Revamp of Boilers In CPP To Enable Dual Fuel Firing (Either R-LNG Or Furnace Oil)” , National Conference on “Advanced Trends in Chemical Engineering” 26-28, September 2013, Govt. Engg. College, Thrissur.
2. Najuma AbdulRazack and. Renjanadevi B “Enhancement in mechanical and thermal properties of PS/PBR blends using nanosilica”. , National Conference on “Advanced Trends in Chemical Engineering” 26-28, September 2013, Govt. Engg. College, Thrissur.
3. Geetha Manikkoth and Renjanadevi B. Simulation Of Sour Water Stripper Using ASPEN PLUS, National Conference on “Advanced Trends in Chemical Engineering” 26-28, September 2013, Govt. Engg. College, Thrissur,
4. Remya K, Renjanadevi B, and Debasis Maharana “Yeild optimisation of Titanium dioxide nanoparticle synthesis” International Conference on Emerging Trends in Engineering-NET 2014, 29-30, August 2014, Govt. Engg. College, Kozhikode.
5. Rinu Jose, Renjanadevi B, “Preparation and Characterisation of PVA-Chitosan Nanocomposite”, International Conference on Emerging Trends in Engineering-NET 2015, 30-31, October 2015, Govt. Engg. College, Kozhikode.
6. Rejeesh T M and Renjanadevi B, “Sliding mode control for coupled Tank system” International Conference on Emerging Trends in Engineering-NET 2016. October 7-8, 2016. Government Engineering College, Kozhikode.

## **BOOK CHAPTER:**

### **Modification and Reuse of Polyvinyl chloride using Polyaniline and conducting fillers**

BOOK TITLE: **Engineering Technologies for Renewable and Recyclable Materials- Physical-Chemical Properties and Functional Aspects** , (Accepted.) To be published by Apple Academic Press in Feb, 2018.