

FACULTY-PROFILE

Name : ANJANA R
Date of Birth : 24-12-1979
Highest Qualifications : Ph.D



Academic Performance:-

Sl. No.	High School to Highest Qualifications	School/Institute	Year of Passing	Class/Grade
1	S.S.L.C	Board Of Public Examinations, Kerala.	1995	First class with Distinction
2	Pre-Degree	Calicut University	1997	First class
3	B.Tech	Kerala University	2001	First class with Distinction
4	M. Tech	Calicut University	2003	First class with Distinction
5	Ph.D.	Cochin University of Science & Technology	2015	

Date of Joining : 07-06-2004
Status as on date of Joining : Lecturer in Chemical Engg.
Salary as on date of Joining (Basic) : Rs.8000

Present Status : Associate Professor in Chemical Engineering
Salary as on date (Basic) : Rs. 51660/-
Number of promotions since date of joining : One

Industrial Experience

: Industrial training in FACT, Ambalamugal
Division, One year Research Training at RRL,
Trivandrum

Achievements since date of joining:-**i) Faculty Development Programs: Courses Attended**

SI No	Course/Training Programme	Institution	Topic	Duration
1	DTE sponsored Short Term Training Programme	Department of Chemical Engineering, Govt. Engineering College, Thrissur	Entrepreneurship	07-03-2005-19-03-2005
2	QIP sponsored Short Term Training Programme	Department of Chemical Engineering, IIT Madras	Semiconductor Manufacturing Process	23-05-2005- 27-05-2005
3	TEQUIP sponsored Short Term Training Programme	TBIC, College of Engineering, Thiruvananthapuram	Technopreneurship Development Programme	30-01-2006-10-02-2006
4	ISTE sponsored Short Term Training Programme	Dept. of Electronics and Communication Enng. NSS College of Engg., Palakkad	Recent Trends In Engineering Practice	11-12-2006-10-12-2006
5	AICTE Staff Development Programme	Industry Institute Partnership cell and ISTE, NSS College of Engg., Palakkad	Effective Teaching learning Process	21/7/2008-3/8/2008
6	DTE sponsored Short Term Training Programme	Department of Chemical Engg. GEC, Thrissur	Nano Science and Nanotechnology	18/01/2010-23/01/2010
7	DTE sponsored workshop	Department of Chemical Engg., GEC, Thrissur	Application of Softwares for Process Simulation and Equipment Design	18/02/2010-20/02/2010
8	DTE sponsored Short Term Training Programme	Department of Civil Engg., GEC Thrissur	Green Environment	22/02/2010-27/02/2010
9	CERD sponsored two day workshop	Department of Electrical and	Awareness on Research	06/10/2010-07/10/2010

		Electronics Engg., GEC Thrissur	Strategies	
10	DTE sponsored National Seminar	Department of Chemical Engg., GEC, Thrissur	Health, Safety and Environment	09/03/2010- 11/03/2011
11	One day training programme	GEC, Thrissur	ISO 9001:2911 Awareness	11/01/2011
12	DTE sponsored Short Term Training Programme	Department of Civil Engg., GEC Thrissur	GIS Applications in Engineering	17/01/2011- 22/01/2011
13	ISTE Sponsored short term programme	ISTE GEC Chapter	Hands on training in Word and Excel	22-08- 2011- 24- 08-2011
14	STIC and Kerala IPR cell, Thiruvananthapuram	Department of Polymer Science and Rubber Technology, CUSAT	Intellectual Property Rights	12-10-2011
15	(sponsored by TEQIP.)	Dept of Chemical Engg.,Govt. Engg. College, Thrissur	STTP on <i>Matlab & Simulink and Latex for engineers</i>	15/04/2013 to 19/04/2013
16	(sponsored by TEQIP II)	Dept of Mechanical Engg.,Govt. Engg. College, Thrissur	STTP on <i>Essentials of Optimization Techniques in Engineering</i>	10/06/2013 to 14/06/2013
17	(sponsored by TEQIP II)	Dept of Civil Engg.,Govt. Engg. College, Thrissur	STTP on <i>Quantitative Analyses for Research</i>	23/10/2013 to 25/10/2013
18	CERD		Workshop on <i>Research methodology and Intellectual property Rights</i>	11/12/2013 to 13/12/2013
19	TEQIP sponsored	Engineering Staff College of India	Training Programme on <i>Preparing The Engineering Institutions for Academic Autonomy</i>	18/06/2014 to 20/06/2014
20	FSDTC	Dept of Mechanical Engineering	Green Energy Technology for Natural Resource	27/10/2014 to 31/10/2014

			Management	
21	TEQIP sponsored	Department of Chemical Engineering	Advanced Effluent Treatment Technologies	12/11/2014 to 14/11/2014
22	TEQIP sponsored	Department of Chemical Engineering	Energy Audit & Management	10/12/2014 to 12/12/2014
23	TEQIP sponsored	ICT Academy of Kerala	Empower Programme	12/12/2014 to 17/12/2014
24	TEQIP-II	Dept. of Chemical Engg., Govt. Engg. College, Thrissur	Coupled Tank System and Simtronics Dynamic Simulation Software (Coordinator)	06-04-2015 to 08-04-2015
25	TEQIP-II	Dept. of Computer Science & Engg., Govt. Engg. College, Thrissur	Advanced Algorithm Analysis and Design	21-04-2015 to 25-04-2015
26	TEQIP-II	Engineering Staff College of India	Preparation of Research Proposal to Funding Agencies	10-07-2015 to 13-07-2015
27	TEQIP-II	Dept. of Chemical Engg., Govt. Engg. College, Thrissur	International Conference on Advances in Chemical Engineering (ICACHE 2015)	09-12-2015 to 11-12-2015
28	DTE	Federal Institute of Science and Technology, Hormis Nagar, Angamaly, Kerala	IC-AMMN-2k16, International Conference on Advances in applied mathematics, materials science and nanotechnology engineering and industrial applications	07-01-2016 to 09-01-2016

29	TEQIP phase 11 sponsored Training Programme	Govt. Engg. College, Thrissur	Application and Uses of Gas Chromatograph	22-09-2016 to 24-09-2016
30	TEQIP phase 11 sponsored Training Programme	Govt. Engg. College, Thrissur	MATLAB for Engineers and Researchers	28-09-2016 to 30-09-2016
31	DTE sponsored	Govt. Engg. College, Thrissur	Nanomaterials in Science, Technology and Medicine-A Practical Approach	24-07-2017 to 28-07-2017
32	DTE sponsored	Govt. Engg. College, Thrissur	Research Proposals & Patents	27-11-2017 to 1-12-2017
33	Excel Club	Govt. Engg. College, Thrissur	MS Excel for Professional Development	4-12-2017 to 8-12-2017

Courses Coordinated

Name of the course	Conducted by	From	To	Eligibility Yes/No (Minimum 3 days)
STTP on <i>Hazard Analysis in Process Industries with Application of PHAST Software</i>	Dept. of Chemical Engg., Govt. Engineering College Thrissur (sponsored by DTE)	09/01/2012	14/01/2012	6 days
FSDTP on soft skill development for Professional Excellence	Department of Chemical Engineering, sponsored by DTE under the head FSDTC	18/08/2014	22/08/2014	5 days
STTP Coupled Tank System and Simtronics Dynamic Simulation Software	Dept. of Chemical Engg., Govt. Engg. College, Thrissur sponsored by TEQIP-II	06-04-015	08-04-2015	3 days
FSDTP on E-governance	Department of Chemical Engineering, sponsored by DTE under the head FSDTC	08-02-2016	12-02-2016	5 days
STTP on Academic Research: Opportunities,	Dept. of Chemical Engg., Govt. Engg. College, Thrissur	06-10-2016	08-10-2016	3 days

Challenges and Present Day Scenario	sponsored by TEQIP-II			
FSDTP on E-governance	Department of Chemical Engineering, sponsored by DTE under the head FSDTC	16-01-2017	20-01-2017	5 days

ii) Research & Development

- : 1.Guided several M Tech Thesis
2. Acquired PhD in Polymer Nanocomposites
3. Principal Investigator of Research project funded by CERD, Govt. of Kerala
4. Principal Investigator of Research Project funded by DRDO, Govt. of India

iii) Number of Publications

- : Conferences : 15
Journals : 10

iv) Teaching Awards

- : Nil

v) Books/ Monographs

- : Lab Manuel for Mass Transfer lab, Advance Process Control Lab Manuel for M Tech (Process Control)

vi) Conference/Seminars

- :15

1.Anjana R. Sajeena Beevi B and Ajith Haridas. “Anaerobic treatment of prawn waste for the extraction of chitin” *National Seminar on Health, Safety and Environment, 9-11 March 2010, Government Engineering College Thrissur.*

2.Anjana R. and Sajeena Beevi. “Zero discharge systems for treatment of textile waste” *National Seminar on Health, Safety and Environment, 9-11 March 2010, Government Engineering College, Thrissur.*

3.Anjana R and K. E. George, “Preparation And Characterization of High Density Polyethylene-Polypropylene/ nanoclay composites” *International Conference on Materials for Future, 23-25 February 2011, Government Engineering College ,Thrissur.*

- 4. Anjana R., Asha A. B. and K. E. George,** “Morphological Studies on PP /HDPE blends and nanoclay” *International Conference on Materials for Future, 23-25 February 2011, Government Engineering College, Thrissur.*
- 5. Anjana R, Indira V M and K E George,** “ Modification of PP/PE blends using glass fiber and nanoclay” *International Conference on Materials for Future, 23-25 February 2011, Government Engineering College, Thrissur.*
- 6. Anjana R , K E George** “Effect of blend composition and mixing shear on nanoclay modified PP/HDPE blends by Response Surface Methodology” National Conference ‘Chemference’ organized by Department of Chemical Engineering, 23-24 September, IISC, Bangalore
- 7. Anjana R, Indira V M, K E George.** “Effect of surface modification of nanoclay in PP/HDPE/glass fiber/nanoclay hybrid composites” – presented in Natcon 2012, organized by CERD and GEC, Thrissur, 9-10th February 2012.
- 8. Anjana R, Ranjusha J P and K E George.** “Review on Polymer short fiber hybrid nanocomposites: Preparation, characterization, application and environmental impact— presented in Natcon 2012, organized by CERD and GEC, Thrissur, 9-10th February 2012
- 9. Anjana R, Lovey Jacob and K E George.** Review paper on preparation, characterization and application of polymer nanocomposites— presented in Natcon 2012, organized by CERD and GEC, Thrissur, 9-10th February 2012
- 10. Anjana R and K E George.** “Synergistic effect of nanoclay in the physical properties of PP/HDPE blends “—presented in NAIMSAP, organized by DTE and Production Engg Dept of GEC, 5-7 Sep 2012
- 11. Anjana R and K E George.** “Effect of Compatibilisers on PP/PE/Nanokaolinite clay Composites – presented in *Proceedings of First National Conference on Advanced Trends In Chemical Engineering (ISBN 978-93-82338-75, 2013 Bonfring), organized by Dept of Chemical Engg., GEC, Thrissur and funded by TEQIP-II in 2013*
- 12. Anjana R and K E George.** “Polypropylene/High Density Polyethylene/Glass Fibre/Nanokaolinite Clay Composites-a Novel Material For light Weight Manufacturing Systems” –presented in *4 th International Conference – ICMST 2013 at Dubai, UAE, during 3-4 August 2013*
- 13. Anjana R and K E George,** Viscoelastic properties of PP/HDPE/nano kaolinite clay /E-glass fibre hybrid composites, IC-AMMN-2k16, DTE sponsored International Conference on Advances in applied mathematics, materials science and nanotechnology engineering and industrial applications organized by Federal Institute of Science and Technology, Hormis Nagar, Angamaly, Kerala during 07-01-2016 to 09-01-2016
- 14. Jyothir rose and Anjana R,** Automation of IGCC Power Plant using Yokogawa DCS , ICAChe 2018, *organized by GEC, Thrissur during 18-20 January 2018.*
- 15. Krishnapriya and Anjana R,** Controller Tuning Method For Non-Linear Conical Tank System Using Matlab/Simulink, , ICAChe 2018, *organized by GEC, Thrissur during 18-20 January 2018.*

vii) Journals

1. **Anjana R**, Asha Krishnan, Tresa Sunitha George and K E George. “Design of experiments for thermomechanical behaviour of PP/HDPE/nanokaolin clay composites”. Polymer Bulletin, 2014, 71, 315-335
2. **Anjana Ramachandran**, K. E. George, Tresa Sunitha George, Asha rishnan. “Optimisation of processing conditions of PP/HDPE/nanokaolinite clay composites by response surface methodology”. Int. J Plast. Technol, 2012 16(2):136–149
3. **Anjana R**, Asha Krishnan, Tresa Sunitha George and K E George. Polypropylene/High Density Polyethylene/Glass Fibre/Nanokaolinite Clay Composites-a Novel Material For light Weight Manufacturing Systems. Advanced Materials research, 2013, Vols. 816-817 pp 96-100
4. K. Asha Krishnan, **R. Anjana**, K.E. George.”Effect of Alkali-Resistant Glass Fiber on Polypropylene/ Polystyrene Blends: Modeling and Characterization”. Polym. Composites, 2014, DOI 10.1002/pc.23193
5. Asha K Krishnan, Tresa Sunitha George, **Anjana R**, Newly Joseph and K E George. “Effect of modified kaolin clays on the mechanical properties of polypropylene/ polystyrene blends”. J Appl. Polym Sci. 2013, 127:2, 1409-1415.
6. Tresa Sunitha George, Asha Krishnan. **Anjana R**, K E George. “Effect of maleic anhydride grafting on nanokaolinclay reinforced polystyrene/high density polyethylene blends”. Polym. Composites; 2012, 33:9, 1465-1472.
7. **Anjana R** and K E George.”Reinforcing effect of nanokaolin clay on PP/HDPE blends”. IJERA, 2012, Vol2, Issue4, pp-868-872
8. Ranjusha J P, **Anjana R**, K E George. “Effect of moulding temperature on the properties of PP/HDPE/clay/glass fibre composites”. IJERA, 2012, Vol2, Issue5, pp-1922-1926
9. Tresa Sunitha George, Asha Krishnan K, **Anjana R**, K E George. Studies on Nano kaolin Reinforced PS-HDPE Nanocomposites. IJAC, 2013, 1(4) 201-206
10. Indira V, **Anjana R** and K E George. “Preparation and characterization of pp/hdpe/ nanoclay/short fiber hybrid Composites using response surface methodology”. Global Journal, 2010

vii) Extra Curricular Activities

1. Placement cell Executive member for 2 years
2. Life member of Professional bodies like IIChe, ISTE, IACSIT
3. Ladies club executive member for one year
4. Resident Tutor of College Ladies Hostel for one and half years

5. Executive member of ISTE, Kerala Chapter for one year
6. Member, Central Procurement Committee, Teqip for 2 years
7. Member, Central Training Committee, Teqip
8. Member –Alumni Executive Committee, GEC TCR.

viii) Administration

1. Department Teqip coordinator for 2 years
2. Department Purchase coordinator for 5 years
3. Department Placement coordinator for 2 years
4. Department Time Table coordinator for 3 years
5. Lab In Charge of Mass Transfer Lab for 2 years
6. Lab In Charge of Process Control and Reaction Engg. Lab for 8years
7. Lab in charge of Chemical Reaction Engineering Lab for 4 year
8. Group tutor of 2006 pass out batch
9. Group Tutor of 2010-2014 batch
10. Group Tutor of 2015-19 batch(KTU)
11. Group Tutor of 2020-2022 Batch M Tech Process Control
12. In charge of Department Activity report for 1 year
13. Department accreditation coordinator of PG Accreditation
14. Convener –ICETEST 2018
15. PG Board of Studies Member
16. Alumni Association Executive Committee Member for 1 year
17. Alumni Association Joint Secretary 2018- January 2022
18. Asst Dean Research from October 2018 – March 2021
19. HOD, Department of Chemical Engg. From June 1 to 20, 2022

ix) Performance Appraisal during past 3 Years : Average teaching effectiveness index based on student evaluation over past three years : 90

x) Self Appraisal: Guided about 18 M Tech Theses. Actively participated in the setting up of Advanced Process Control Lab, Process Simulation Lab ,Chemical Reaction

Engineering Lab Advanced PG Lab for research purposes. As Purchase coordinator of the Department, raised department purchase to untouched heights and set up the all time record of 55 lakhs in 2010-11. Acquired a research funding of Rs. 2 lakhs from Govt. of Kerala. Acquired PhD from CUSAT. Actively participated in preparation of ICMF proceedings, Teqip proposal, budget proposals, vision statement for the Department, placement activities, ISO auditing, up gradation of Laboratories and Research facilities etc. Group tutor of 2010-2014 batch and Lab In Charge of Process Control and Reaction Engg. Lab. PG Board of Studies member and actively participated in syllabus and curriculum revision of UG and PG.

3 Major Strengths

1. Sincere, hard working and pleasant nature
2. Posses good technical knowledge
3. Expertise in preparing proposals and time management

3 Major Weaknesses

1. Low voice
2. Comparatively slow in writing



Signature: