



Government Engineering College, Kozhikode

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General Details

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Qualifications						
S.No	Degree	Discipline / Stream	University / Institution	Percentage / CGPA	Year of Passing	Special Remarks
1	BE/ B.Tech (Engineering)	Mechanical Engineering	GCE Kannur		1996	
2	ME/ M.Tech./ MS (Engg/ Sciences)	Mechanical Engineering	IIT Madras		2007	
3	Ph.D. (Pursuing)	Renewable energy	IIT Delhi			pursuing since July 2017

Experiences						
S.No	Description	Designation	From Date	To Date	Nature of Employment	Nature of Duty
1	Marico Industries Ltd, Kanjikode	Production Executive	2000-10-10	2001-12-20	Permanent	Production & Maintenance related functions
2	Accelerated Freeze Drying Company Ltd, Bangalore	Sr. Production Executive	1997-11-12	2000-10-09	Permanent	

Publications				
S.No	Description	Category	Academic Year	Period
1	Po-Chih Kuo, Biju Illathukandy, Chi-Hsiu Kung, Jo-Shu Chang, Wei Wu, Process simulation development of a clean waste-to-energy conversion power plant: Thermodynamic and environmental assessment, Journal of Cleaner Production, Volume 315, 2021, 128156, ISSN 0959-6526, https://doi.org/10.1016/j.jclepro.2021.128156 , (https://www.sciencedirect.com/science/article/pii/S095965262102374X) (Impact Factor: 9.297)	International Journal Papers with impact factor >2.5	2021-22	In this college
2	S. Ali Saadabadi, Biju Illathukandy, Purushothaman Vellayani Aravind Direct internal methane reforming in biogas fuelled solid oxide fuel cell; the influence of operating parameters. Energy Sci Eng. 2021;9:1232– 1248. https://doi.org/10.1002/ese3.887 (Impact Factor: 4.17)	International Journal Papers with impact factor >2.5	2020-2021	In this college
3	Po-Chih Kuo, Biju Illathukandy, Wei Wu, Jo-Shu Chang, Energy, exergy, and environmental analyses of renewable hydrogen production through plasma gasification of microalgal biomass, Energy, Volume 223, 2021, 120025, ISSN 0360-5442, https://doi.org/10.1016/j.energy.2021.120025 , (https://www.sciencedirect.com/science/article/pii/S0360544221002747) (Impact Factor: 7.147)	International Journal Papers with impact factor >2.5	2020-2021	In this college
4	Po-Chih Kuo, Biju Illathukandy, Wei Wu, Jo-Shu Chang, Plasma gasification performances of various raw and torrefied biomass materials using different gasifying agents, Bioresource Technology, Volume 314, 2020, 123740, ISSN 0960-8524, https://doi.org/10.1016/j.biortech.2020.123740 , (https://www.sciencedirect.com/science/article/pii/S0960852420310129) (Impact Factor: 9.642)	International Journal Papers with impact factor >2.5	2020-2021	Outside this college

Programs Coordinated			
S.No	Description	Category	Academic Year
1	International workshop on 'Energy & Environment: Sustainable systems for Waste to Energy'	Workshop	2016-17

Programs Attended				
S.No	Description	Category	Academic Year	Period
1	'Non-conventional Energy Sources: Technologies and Trends' organized by GECK	STTP	2021-22	In this college
2	'Fuel Cell Technology: Progress, Challenges and Future Prospects' organized by GECK	STTP	2020-21	In this college
3	'Energy Engineering: Electrochemical Energy Conversion and Storage' organized by IIT Roorke	4		Energy Engineering:

	Energy System Modelling' organized by IIT Roorke	FDP	2020-21	In this college
5	'Co2oling the Earth II Summer School: Focus on Bio-CCU' organized by National Technical University of Athens	FDP	2020-21	In this college
		Other Programs	2020-21	In this college

Research Activities

S.No	Description	Academic Year	Is Funded	Funded Agency	Fund Amount
1	Research partner of the Indo-Dutch project 'Local Treatment of Urban Sewage for healthy reuse' (LOTUShr) https://lotushr.org/partners/research-partners/	2019-2020	Yes	DBT, NWO	.

Interactions with Outside World		
S.No	Description	Academic Year
1	Training on Open Flanges setup for SOFC and short stack at M/s. Fiaxell SOFC Technologies, Lausanne, Switzerland	2019-2020
2	Research on Biogas-SOLID Oxide Fuel Cell systems at Delft University of Technology, the Netherlands.	2019-2020

Positions Held / Other Responsibilities			
S.No	Description	Academic Year	Period
1	TEQIP-II Procurement Nodal Officer	2016-17	In this college

Professional Body Membership					
S.No	Name of Profesional Body	Type of Membership	Member Since	Membership Id	Description
1	ISTE	Lifetime Membership	2002-03	LM34000	Indian Society for Technical Education