

Padmavathy K S

Assistant Professor



Contact Details

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Professional Qualifications

B-Tech	Specialization	Chemical Engineering
	Institute/University	Calicut University, Govt. Engg. College, Thrissur
	Year	2002
M-Tech	Specialization	Process Control
	Institute/University	Calicut University, Govt. Engg. College, Thrissur
	Year	2006
PhD	Specialization	Environmental Engg.
	Institute/University	CUSAT
	Year	Pursuing

Areas of Interest

- Environmental Engg. (Waste water treatment)
- Process Heat Transfer
- Reaction Engineering

Professional Experience

- One year industrial training at FACT, Udyogamandal, Training at Travancore Cochin Chemicals, Udyogamandal
- 13 Years as Assistant Professor in Chemical Engg. at Govt. Engg. College, Thrissur
- At present working as Assistant Professor in Chemical Engg, Govt. Engg. College, Kozhikode.

Responsibilities/Position

- ISO Coordinator
- KTU/Calicut University exam coordinator of Dept.
- Group tutor of 2014-18 batch
- Lab in charge of Heat Transfer Laboratory

Training Details (2014-15 Onwards)

Course Name	Conducted by	Sponsoring Agency	Period		No. of days
			From	To	
Advanced MS Excel for Engineers	Govt. Engg. College, Thrissur	ISTE	24/06/2014	27/06/2014	4 days
Advanced effluent treatment	Govt. Engg. College, Thrissur	TEQIP-II	12/11/2014	14/12/2014	3 days
Concepts of Coaching	Govt. Engg. College, Thrissur	ICT Academy of Kerala	3-12-2014	5-12-2014	3 days
Cost effectiveness in building construction	Govt. Engg. College, Thrissur	FSDTP	16-02-2015	20-02-2015	5 days

Coupled tank system and symtronic dynamic simulation software	Govt. Engg. College, Thrissur	TEQIP II	06-04-2014	08-04-2014	3 days
Advanced algorithm algorithm analysis and design	Govt. Engg. College, Thrissur	TEQIP-II	21-04-2015	25-02-2015	5 days
Statistical Data Analysis with IBM SPSS Statistics and MS Excel	Govt. Engg. College, Thrissur	FSDTP	14-12-2015	18-12-2015	5 Days
Application and Uses of Gas Chromatograph	Govt. Engg. College, Thrissur	TEQIP-II	22-09-2016	24-09-2016	3 Days
MATLAB for Engineers and Researchers	Govt. Engg. College, Thrissur	TEQIP-II	28-09-2016	30-09-2016	3 days

Details of courses coordinated

Sl No	Course Title	Duration
1	TEQIP Sponsored training programme on Energy Audit and Management	10/12/2014 to 12/12/2014
2	TEQIP Sponsored training programme on Academic Research: Opportunities, Challenges and Present Day Scenario	06/10/2016 to 08/10/2016

Publications

Journals

- Kavya V R, Shaneeth, Padmavathy K S, Steady state analysis and control of PEM fuel cell power plant , IEEE explore, DOI 10.1109/ICCC.2013.6731656
- Padmavathy K.S, Haseena P.V, Dr.G. Madhu, A study on effects of pH, adsorbent dosage, Time, initial concentration and adsorbent concentration for the removal of hexavalent chromium from wastewater by magnetite nanoparticles, Elsevier Procedia, 24(2016) 585-594
- Haseena P V, Padmavathy K S, Rohit Krishnan P, Madhu G, Adsorption of ammonium nitrogen from aqueous systems using Chitosan- Bentonite film composite, Elsevier procedia, 24(2016),733-740
- Padmavathy K S, Dr G Madhu, Dr Dipak Kumar Sahoo, Use of response surface methodology for optimization of performance of magnetite nanoadsorbents for hexavalent chromium removal from wastewater, International Journal of Environment and Waste Management, Accepted.
- Padmavathy KS, Amith Murali, Dr G Madhu, Dr Dipakkumar Sahoo, Adsorption of hexavalent chromium (Cr(VI) from wastewater using novel chitosan halloysite clay nanocomposite films, Indian Journal of Chemical Technology, Accepted

Conferences

- Haseena P. V., Padmavathy K. S., R. Jayachandran, “Advanced adsorption method for color removal of effluent from pulp and paper industries” National Seminar on Health, Safety and Environment, 9-11 March 2010, Govt. Engg. College, Thrissur. Thrissur.
- Padmavathy K. S. and Haseena P. V., “Studies on the rheological behaviour of particulate filled systems “Second international conference on 'Materials for the Future' 23rd- 25th February 2015, Govt. Engg. College, Thrissur.
- Padmavathy K S., “Studies On Nano Adsorbents for the Selective Removal of Heavy Metal from Waste Water- A Review”, NATCON, 09-10 February 2012, Govt. Engg. College, Thrissur
- Padmavathy K S & Anu Vincent, “Performance of Aerobic Sequential Batch Reactor on Dairy Waste Water Treatment”, NATCON, 09-10 February 2012, Govt. Engg. College, Thrissur

- Padmavathy K S, “review on applicability of magnetic nanoadsorbents, polymeric nanoadsorbents and carbon nano particles for the removal of heavy metals from waste water”, NAMESAP 2012, 5.9.2012 to 7.9.2012, Govt. Engg. College, Thrissur.
- Padmavathy K S, Vishnu R, Optimized control of temperature in diesel hydrotreater process, MECHNOESIS 14, Intercollegiate paper/poster presentation competition, Universal Engineering College, 22/08/2014.
- Padmavathy K.S., Haseena P V, Dr. G. Madhu, Studies on pH, initial concentration, adsorbent dosage and time for the removal of hexavalent chromium from wastewater using nanokaolinite clay and optimization using Response Surface Methodology, IC-AMMN-2k16, International Conference on “ Advances in applied mathematics, materials science and nanotechnology for engineering and industrial applications”, January 7-9, Organized by Federal Institute of Science and Technology, Hormis Nagar, Angamaly, Kerala, India.
- Haseena P V, Padmavathy K S, Dr.G. Madhu, A review on emerging adsorbents for removal of ammonia nitrogen from aqueous solutions, IC-AMMN-2k16, international Conference on “Advances in applied mathematics, materials science and nanotechnology for engineering and industrial applications”, January 7-9, Organized by Federal Institute of Science and Technology, Hormis Nagar, Angamaly, Kerala, India.

Achievements/Awards

- Prepared laboratory manual for Heat Transfer Lab,
- Prepared laboratory manual for Environmental Engineering Lab

Project/Consultancy

- Principal investigator of CERD seed money of Rs. 2, 000, 00 (2013-17)