

# MANILAL. A. M

ASSISTANT PROFESSOR



## Contact Details

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## Professional Qualifications

B-Tech	Specialization	Chemical Engineering
	Institute/University	University of Calicut
	Year	2001
M-Tech	Specialization	Chemical Engineering
	Institute/University	IIT Bombay
	Year	2009

### Areas of Interest

- **Chemical Process Simulation, Environmental Engineering**

### Professional Experience

- Worked as Engineer in Travancore Cochin Chemicals Ltd, Kochi for 1.5 years

### Training Details (2014-15 Onwards)

Course Name	Conducted By	Sponsoring Agency	Period	No of days
Computational Methods in Fluid Flow and Heat Transfer	Department of Mechanical Engineering, Govt. Engg. College, Thrissur	QIP, AICTE	17 <sup>th</sup> to 21 <sup>st</sup> February, 2014	5
Advanced Effluent Treatment Technologies	Department of Chemical Engineering	TEQIP sponsored	12/11/2014 to 14/11/2014	3
Energy Audit and Management	Department of Chemical Engineering, Govt. Engg. College, Thrissur	TEQIP Phase-II sponsored STTP	10 <sup>th</sup> to 12 <sup>th</sup> Dec 2014	3
Data Analysis in Research Using Statistical Software	Department of Economics , Govt. Engg. College, Thrissur	TEQIP Phase-II sponsored STTP	15 <sup>th</sup> to 19 <sup>th</sup> Dec 2014	5
Computational Methods in Fluid Dynamics	Department of Mechanical Engineering, Govt. Engg. College, Thrissur	TEQIP Phase-II sponsored STTP	04 <sup>th</sup> - 06 <sup>th</sup> March, 2015	3
Statistical Techniques and its Application in Engineering Research	Department of Economics, Govt. Engg. College, Thrissur	TEQIP Phase-II sponsored STTP	16 <sup>th</sup> - 20 <sup>th</sup> March, 2015	5
STTP on Couple tank System and Simtronics Dynamic Simulation software	Department of Chemical Engineering, Govt. Engg. College, Thrissur	TEQIP Phase-II	06 <sup>th</sup> to 08 <sup>th</sup> April 2015	3
FDP on Research methodology	Govt. Engineering College, Thrissur	Training Programme	29-31 July 2015	3
Landscape Design and Management	School of Architecture, Govt. Engg. College, Thrissur	FSDTC	22 <sup>nd</sup> - 26 <sup>th</sup> February, 2016	5

## Publications

- 0 **Harinarayanan Nampoothiri M.G, Manilal A.M, Dr. P. A. Soloman,** Control of Electro-coagulation Batch Reactor for Oil removal from Automobile Garage Wastewater, International Conference on Emerging Trends in Engineering, Science and Technology (ICETEST - 2015), Procedia Technology 24 ( 2016 ) 603 - 610.
  - 1 **Narasimhan V, Samuel Mani, Jomy Varghese, Manilal A.M,** Fasnabi P.A, Process incentives by the intensification of a conventional biodiesel plant, International Conference on Emerging Trends in Engineering, Science and Technology (ICETEST - 2015), Procedia Technology 24 ( 2016 ) 661 - 668.
  - 2 **Jinish K, Manilal A M, Dr. P. A. Soloman,** Optimisation of the Working Condition for Maximizing the Oil Separation in a CFU, Int. Conf. on Advances in Chemical Engineering and Technology, ICACE TKMCE '14 (115-118), Elsevier Publications 2014.
  - 3 **Nirmal C A, Manilal A M,** Application of Non Linear Actuation in Control Valves to Improve Rangeability., Int. Conf. on Advances in Chemical Engineering and Technology, ICACE TKMCE '14 (182-185), Elsevier Publications 2014.
  - 4 **Jinish K., Manilal A.M. & Dr. P.A.Soloman,** CFD Modeling and Simulation of Oil/Water Separation in A Novel Hydro Cyclone Using Fluent Software, INSTRUMENTANIA 2014 First National Conference on Instrumentation and Control Engineering, pp- 362-371, 27th - 28th June 2014.
  - 5 **Jinish K, Manilal A M, Dr. P. A. Soloman,** CFD modeling and simulation of oil/ water separation in a novel Compact Floatation Unit (CFU) using fluent software., International Conference on Waste Management for Sustainable Development, 21-23 March 2014.
  - 6 **Nirmal C A, Manilal A M,** Non-linear actuation to improve control valve rangeability., 2nd National Conference on Emerging Trends in Engineering - NET 2014, pp 256-260, 29-30 August 2014.
  - 7 **Sarath A S, Manilal A M,** Impact Assessment & Consequence Reduction Model In Chlorine Handling Facility, NAIMSAP, 5<sup>th</sup> September 2013.
  - 8 **Sarath A S, Manilal A M,** Risk Analysis and Consequence Reduction in a Chlorine Handling Facility, pp 63-66, First National Conference in Advanced Trends in Chemical Engineering, ATCE2013. 26-28 September 2013
  - 9 **Sumayya V M, Soloman P A, Manilal A M,** Removal of oil from produced water using electro-coagulation method, Vol-II, pp 665-670, 3<sup>rd</sup> International Conference on Materials for the Future, ICMF2013, 6-8 November 2013.
  - 10 **N. Sarath and A.M. Manilal,** Risk Assessment of Chlorine Handling Facility, Vol -II, pp 637-640, 3<sup>rd</sup> International Conference on Materials for the Future, ICMF2013, 6-8 November 2013.
- Manilal A M, Kirandas M.D,** Bagasse Supported Layered Double Hydroxides (LDH) for the Adsorption of Fluoride from Aqueous Solution, Second National Technological Congress, Kerala, NATCON 2012, pp-139-146, 9-10 February 2012.
- 11 **Manilal A. M. and Fasnabi P. A.** "Treatment of effluent using nanomaterials" *National Seminar on Health, Safety and Environment, 9-11 March 2010, Government Engineering College, Thrissur.*

- 12      **Manilal A M and Ajeesh K N.**, “Heat transfer Enhancement with Nanofluids- A comparison and review” *International Conference on Materials for Future*, 23-25 February 2011, Government Engineering College, Thrissur.

### **Project/Consultancy**

- Currently doing PhD under University of Calicut.
  - Research area: Oil removal from produced water/ oily wastewater using electrocoagulation.
- Received an amount Rs. 2 Lakh under Research Seed Money Scheme from CERD.
- Guided seven M.Tech projects