

FACULTY-PROFILE



Name : **Dr. MANJU M.S**

Designation : Professor

Date of Joining : 03 March 2001

Additional Responsibilities : Head of the Department

Member Board of Studies –CUSAT

Chairman –B.Tech Chemical Engineering, University of Calicut

Member Board of Studies -University of Calicut

Convener Institute Research Advisory Council

Professor in charge – CERD satellite Centre

Educational Qualifications : PhD in Chemical Engineering (CSIR-NIIST)

M.Tech in Polymer Technology (CUSAT)

PG Diploma in Higher Education (IGNOU)

B.Tech in Chemical Engineering (TKM College of Engineering)

Industrial Experience : 3.5 years (IBS Software Services (P) Ltd)

Teaching Experience : 19 years in Government Engineering College

Research & Development : Research Supervisor APJAKTU

Publications:

International Journals

1. J. D. Sudha, Subrata Pradhan, Heera Viswanath, Jisha Unnikrishnan, Priyanka Brahmbhatt, **M. S. Manju**, “Studies on the cure parameters of cyanate ester–epoxy blend system through rheological property measurements”, Journal of Thermal Analysis and Calorimetry, 115(1) (2014) 743-750
2. **M.S. Manju**, S. Savithri, “Three dimensional CFD simulation of pneumatic coal injection in a direct reduction rotary kiln”, Fuel 102 (2012) 54–64

International Conferences

1. **Manju M.S**, Sreeja P and Krishnendu M.U, 'Synthesis Of Biopolymer Using Pseudomonas Aeruginosa', communicated to ICSEE2019, to be held in Government College of Engineering Kannur from 12th to 13th July 2019
2. **M.S. Manju**, V. Nishan Ahammed & K.P. Prasanth Kumar, 'Degradation of diphenamid by UV/hydrogen peroxide advanced oxidation process', Emerging Trends in Engineering, Science and Technology for Society, Energy and Environment – Vanchipura & Jiji (Eds), Taylor & Francis Group, London, ISBN 978-0-8153-5760-5, pp 537- 542 (2018).
3. Titus Joy David, **Manju M S**, "Fuzzy Based PID Control for Temperature Control of Anolyte Solution for Electrolysis", International Conference on Advances in Chemical Engineering & Technology -ICACE 2014, 16-18 October **2014** T.K.M. College of Engineering, Kollam
4. **Manju M.S.**, Savithri S., "Steady State Simulation of carbothermal reduction process of Ilmenite in a rotary kiln reactor", Proceedings of the XII International Conference on Mineral Processing Technology 2011, 20-21 October **2011**, Udaipur
5. **Manju M.S.**, Savithri S., "Computer Simulation of Ilmenite Metallisation Process in a Rotary Kiln Using a One Dimensional Steady State Model", Proceedings of the 2nd International Conference on Materials for the Future **2011**, 25-26 February 2011, GEC Thrissur
6. **Manju M.S.**, Savithri S., "Three Dimensional CFD Simulation of Pneumatic Coal Injection in a Direct Reduction Rotary Kiln", Proceedings of the XI International Seminar on Mineral Processing Technology 2010, 15–17 December, **2010**, Jamshedpur

National Conference

1. Snehapriya A.V., **Manju M S**, 'Removal of Methylene Blue from Aqueous Solutions by Adsorption- A Review', KETCON 2019, 15-17 February 2019, GEC Thrissur
2. Sreeja P., **Manju M S**, 'A Review on Polyhydroxyalkanoate (PHA) Production Using Microorganisms', KETCON 2019, 15-17 February 2019, Thrissur
3. C. Archana, M. S. Manju, 'Detection of Bisphenol A(BPA) in Thermal Papers using GCMS', National Conference on Emerging Frontiers in Chemical Sciences EFCS-2018, 23-24 November 2018, Farook College, Kozhikode, Kerala
4. Saranya Unni C., **Manju M.S.**, "Preparation and Characterisation of PVA Bentonite Nanocomposite", NET 2015, Government Engineering College Kozhikode, 30-31 October 2015
5. Githin Sajeev George, **Manju M.S.**, "Modelling, Simulation and Control of Combustion Process in a Furnace-Boiler System", 2nd National Conference on Emerging Trends in Engineering - NET **2014**, 29-30 August 2014, GEC Kozhikode
6. K.P. Dhaneesh, S. Savithri, **M.S. Manju**, "Effect of secondary air distribution in a direct reduction rotary kiln", 1st National Conference on Advanced Trends in Chemical Engineering - ATCE 2013, 26-28 September **2013**, GEC Thrissur
7. **Manju M.S.**, Savithri S., "Modeling of Pneumatic Coal Injection in a Rotary Kiln Reactor", Kerala Science Congress 2010, 28-31 January **2010**, KFRI Peechi
8. **Manju M.S.**, Savithri S., "Kinetics of the Carbothermal Reduction of Ilmenite: Grain Pellet Model", COMSOL Conference 2009, 13-14 November **2009**, Bangalore.