

CURRICULUM VITAE OF

Name : C N Pratheeba
Position : Assistant Professor
Education :
M.Tech (Chem. Engg), IIT Kanpur
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Employment Record:

Period	Designation and Address	Nature of Job
2002-2005	Lecturer Mohamed Sathak Engineering College, Kilakarai, Tamil Nadu	Teaching
2005-2010	Assistant Professor Kalasalingam University, Krishnan koil, Virudhunagar District	Teaching
2014- Present	Assistant Professor, Department of Chemical Engineering, Alagappa College of Technology, Anna University	Teaching

Area of Expertise:

- ✚ Combustion Modeling and Emissions Control In IC Engines
- ✚ Chemical Kinetics and Catalytic Engineering
- ✚ CFD, Modeling and Simulation

List of papers published :

1. C N Pratheeba and Preeti Aghalayam (2014). Effect of Exhaust Gas Recirculation in NO_x Control for Compression Ignition and Homogeneous Charge Compression Ignition Engines, *Energy Procedia*
2. Niveda Lakshmanan, C N Pratheeba and Preeti Aghalayam (2014). Modeling of Automotive Exhausts, *Energy Procedia*
3. Pratheeba, C. N., Aghalayam, P., Boppana, S. K., & Moudgalya, K. (2013). *Low Dimensional Modeling of Combustion in Spark Ignition Engines* (No. 2013-26-0045). SAE Technical Paper.
4. Vimalarasan, A., Pratheeba, N., Ashokkumar, B., Sivakumar, N., & Varalakshmi, P. (2011). Production of biodiesel from cyanobacteria (*Oscillatoria annae*) by alkali and enzyme mediated transesterification. *J Sci Ind Res*, 70, 959-967.

International Conferences (2013 Onwards)

1. C. N. Pratheeba, Preeti Aghalayam, Sudheer Kumar Boppana, Kannan Moudgalya, "Low Dimensional Modeling of Combustion in Spark Ignition Engines" Symposium on International Automotive Technology (SIAT 2013), ARAI, Pune, Jan 3-9 (2013).
2. C. N. Pratheeba, N. S. Kaisare, and Preeti Aghalayam, "Modeling of reactions in three way catalytic converters using reduced order models," *Math. Modeling & Chem. Kin.Engg. (MACKIE)*, IIT Madras, Feb 4-6 (2013).
3. Ravikiran M., C N Pratheeba, A. Santosham, P. Aghalayam, N. S. Kaisare, "Reaction Mechanism Reduction and Monolith Reactor Modeling of Automotive Exhaust", *Int. Conf. Chem. Kin. (ICCK - 2013)*, Seville, Spain, July 8 - 12, 2013.
4. C. N, Pratheeba and P. Aghalayam, "System-wide modeling of HCCI engine with aftertreatment," AICHE Annual Conference, San Francisco, USA, Nov 2-8, 2013.
5. C. N, Pratheeba and P. Aghalayam, "Effect of Exhaust Gas Recirculation in NO_x Control for Compression Ignition and Homogeneous Charge Compression Ignition Engines", 12th International Conference on Combustion and Energy Utilization (ICCEU), Lancaster University, Lancaster, UK, Sep 29 - Oct 3, 2014.
6. Niveda Lakshman, C. N, Pratheeba and P. Aghalayam, "Transient Modeling of NO_x Reduction in Automobile Exhaust", 12th International Conference on Combustion and Energy Utilization (ICCEU), Lancaster University, Lancaster, UK, Sep 29 - Oct 3, 2014.

