

Dr Navin Gopinathan

ASSISTANT PROFESSOR



Contact Details

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Professional Qualifications

B. Tech.	Specialization	Chemical Engineering
	Institute/ University	University of Calicut
	Year	2005
M. Sc.	Specialization	Chemical Engineering with Design
	Institute/ University	University of Bath
	Year	2007
Ph. D.	Specialization	Development of Catalyst Characterisation techniques
	Institute/ University	University of Bath
	Year	2013

Areas of Interest

Porous materials, Drug delivery, Oil recovery, Process Equipment Design

Responsibilities/Position

- Aug 2016 - May 2018 - Adhoc Faculty at Department of Chemical Engineering, NIT Calicut
- Nov 2014 - July 2016 - Fixed Term Research Associate at HP Green R&D Centre, Bengaluru
- Aug 2012 - Oct 2013 - Research Fellow at Division of Process and Environmental Engineering, University of Nottingham

Publications

- Pavlovskaya, G., Six, J., Meersman, T., Gopinathan, N. & Rigby, S. P. 2015. NMR imaging of low pressure gas phase transport in packed beds using hyperpolarised xenon-129. *AIChE Journal*, 61, 4013-4019.
- Gopinathan, N., Yang, B., Lowe, J. P., Edler, K. J. & Rigby, S. P. 2014. NMR cryoporometry studies of the relation between drug release profile and pore structural evolution of polymeric nanoparticles. *International Journal of Pharmaceutics*, 469, 146-158.
- Gopinathan, N., Greaves, M., Wood, J. & Rigby, S. P. 2013. Investigation of the problems with using gas adsorption to probe catalyst pore structure during coking. *Journal of Colloid and Interface Science*, 393, 234-240.
- Gopinathan, N., Greaves, M., Lowe, J. P., Wood, J. & Rigby, S. P. 2012. Determination of the location of coke in catalysts by a novel NMR based liquid - porosimetry approach. *Journal of Colloid and Interface Science*, 381, 164-170.
- Gopinathan, N., Rigby, S., Greaves, M., Lowe, J., Wood, J. & Dong, L. L. 2011. Determination of the spatial location of coke in catalysts by a novel NMR approach. In: Fantazzini, P., Bortolotti, V., Karger, J. & Galvosas, P. eds. 10th International Bologna Conference on Magnetic Resonance in Porous Media, Leipzig, Germany. American Institute of Physics, 1330, 89-92.