
► M. KARTHIK

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Qualification	Specialization/ Subject(s)	Year	University/ Institute	Additional Information
Ph. D	Environmental Engineering	-	ACSIR	In progress.
M.E. (Highest Qualification)	Environmental Engineering	1999	Anna University	College of Engineering, Guindy, Chennai.
B.E.	Civil Engineering	1996	Barkatullah Vishwavidyalaya, Bhopal	Maulana Azad College of Technology, Bhopal.

Main Area of Specialization Wastewater Management

Associations

- Indian Association for Environmental Management, 2005.
 - Bureau of Indian Standards (Alternate Member).
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Scientific Publication(s)

M. Karthik and R. Nagendran, Nutrient reduction and productivity studies in low strength freshwater aquaculture wastewater using Lemna Gibba (Duckweed system), Asian Journal of Conservation and Environmental Protection, 2003.

Nawaghare, P and Srivasatava, A and Karthik, M and Kaul, S. N., Sequencing Batch Reactor - An Emerging Technology for Wastewater Treatment, Indian Association for Environmental Management, 2004, 31. pp. 13-33.

M. Karthik, N.Dafale, P. Pathe and T. Nandy, Journal of Hazardous Materials, Biodegradability enhancement of purified terephthalic acid wastewater bycoagulation–flocculation process as pretreatment, 2008, 4.144.

M. Karthik, P. Manekar, T. Nandy, Desalination and Water Treatment, Adaptability of membrane filtration systems under different treatment options for textile wastewater management in an industrial cluster, 2010.

P. Manekar,T. Nandy, A. Sargaonkar, B.Rathi, M. Karthik, Bioresource Technology, FAHP ranking and selection of pretreatment module for membrane separation processes in textile cluster, 2010.

P. Aswale, M. Karthik and T. Nandy , TERI Information Digest on Energy and Environment Status of methane emissions from wastewater and role of clean development mechanisms in India, 2010.

S.K. Sharma, A. Choudhury, P.Sarkar, S. Biswas,A. Singh, P.K.Dadhich, A.K. Singh, S. Majumdar, A.Bhatia, M.Mohini, R.Kumar, C.S. Jha, M.S.R. Murthy, N.H. Ravindranath, J.K. Bhattacharya, M.Karthik, S. Bhattacharya and R. Chauhan, Greenhouse gas inventory estimates for India, CURRENT SCIENCE, VOL. 101, NO. 3, 10, .2011.

M. Karthik & Tapas Nandy, Ultrafiltration aids closing water loop in paper mill, Indian Pulp & Paper Technical Association Journal, Vol.23(4), pages 135-139, 2011.

P. Manekar, R. Biswas, M. Karthik and T. Nandy, Journal of Hazardous Materials, Novel two stage bio-oxidation and chlorination process for high strength hazardous coal carbonization effluent, 2011.

P. Aswale, N. N. Rao, M. Karthik, R. Dhodapkar, G. Patkar & T. Nandy , Assessment of Pollutants and Gaseous Emissions in Sewer Network in NCT of Delhi, Journal of Environmental Science & Engineering, Vol.54(2), 206-2012.

Other Publication(s)

T. Nandy, M. Karthik and P. Manekar, Environmental Security: Human and Animal Health, ISBN is 978-81-8189-171-6, Chapter 11, Advanced Technologies for Wastewater Treatment, 2011, IBDC Publishers, Lucknow.

M. Karthik, Pawan Aswale, Tapas Nandy, National Greenhouse Gas Inventory Information, India Second National Communication to the United Nations Framework Convention on Climate Change, 2012, Chapter 2, National Greenhouse Gas Inventory Information, Page no.73-83.

M. Karthik, S. N. Kaul, S. Devotta, Initial National Communication to the United Nations Framework Convention on Climate Change, National Greenhouse Gas Inventory Information, 2004, Chapter 2, Greenhouse Gas Inventory Information, Page no.35, 53.

Teaching Interest & Experience

No. of Ph.D/M.Tech/M.Sc Students Guided, if any	5
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Teaching Interest Details	Invited lectures on Wastewater Management and Environmental Engineering at 1. ACSIR, NEERI, Nagpur. 2. Academic Staff College of Nagpur University. 3. Ordnance Factory, Nagpur. 4. National Power Training Institute, Nagpur.
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Job Experience Before Joining CSIR

Loss of Ecology Authority (Prevention & Payments of Compensation), Chennai, Tamilnadu, 1999-2000.

Bhoruka Gases Limited, Chennai, Sales Executive. Chennai, 1996-97.

Travels Abroad

Egypt (Arab Republic of), 29-Oct-2013, 05-Nov-2013, Alexandria Fibre Company, Alexandria, Egypt, Wastewater management in AFCO, Egypt.

Thailand, 11-Jan-2014, 18-Jan-2014, Thai Acrylic Fibre Company, Saraburi, Thailand, Wastewater management in TAF, Thailand.

(M. Karthik)