

KESHAV (K.C) DAS

Associate Professor

Department of Biological and Agricultural Engineering

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Education

Ph.D, Biol. Agric. Engineering	The Ohio State University, Columbus, Ohio.	Sept, 1995
M.S, Agricultural Engineering	University of Georgia. Athens, Georgia.	July, 1991
B.S, Mechanical Engineering	Anna University, Madras, India	Feb, 1989

Appointments

Associate Professor	Dept of Biological & Agricultural Engr., University of Georgia, Athens GA 30602	2005 – Present
Assistant Professor	“”	9/98 – 6/05
Post Doctoral Associate and Assistant Research Scientist	“”	10/95 – 9/98

Selected journal articles

1. Garcia-Perez, M., T.T. Adams, J.W. Goodrum, D.P. Geller, and K.C. Das. 2007. Production and fuel properties of pine chip biooil/biodiesel blends. Energy and Fuels [In Press]
2. Das, K.C., M.Garcia-Perez, B. Bibens, and N.D. Melear. 2007. Slow pyrolysis of poultry litter and pine woody biomass – impact of chars and BioOils on microbial grown. Journal of Environmental Science and Health – Part B [In Press].
3. Steiner, C. K.C. Das, M. Garica, B. Forster, W. Zech. 2007. Charcoal and smoke extract stimulate the soil microbial community in a highly weathered xanthic ferralsol. Pedobiologia [In Press].

Selected conference proceedings/talks in thermochemical conversion

1. Gaskin, J, K.C. Das, A. Tasistro, L. Sonon, K. Harris, and B. Hawkins. 2007. Characterization of biochar for agricultural use in the soils of the southeastern United States. In: William Woods, Wenceslau Texeira, Johannes Lehman, Christoph Steiner, and Antoinette WinklePrins (eds). Terra Preta Nova: A Tribute to Wim Sombroek. Springer-Verlaug.
2. Das, K.C. 2007. Thermochemical biorefineries and the use of products. INTERNATIONAL INVITED PRESENTATION at the Shanghai Academy of Environmental Sciences, Shanghai, China, July 11, 2007.
3. Greene, W.D. and K.C. Das. 2006. Forest biomass potential for pyrolysis – Raw material issues and potential products. Paper presented at the 60th International Convention of the Forest Products Society of America. Newport Beach CA June 25-29, 2006.
4. Das, K.C., J.A. Garcia-Nunez and M. Garcia-Perez. 2006. Overview of a Biorefinery and Opportunities in the Palm Oil Sector. Plenary address at the 15th International Palm Oil Conference, Cartagena, Colombia, Sept 19-25 [Memorias: XV Conferencia Internacional sobre Palma de Aceite, Cartagena Colombia, Sept 19-22]

5. Hunt, R., S. Chinnasamy and K.C. Das. 2007. Microalgae based biodiesel production using poultry litter. Presented at the “Incredible anaerobes – from physiology to genomics to fuels”. The Georgia Center, University of Georgia, March 2-3, 2007.
6. Gaskin, J.W., A. Speir, L.M. Morris, L. Ogden, K. Harris, and K.C. Das. 2007. Potential for Pyrolysis char to affect soil moisture and nutrient status of a loamy sand soil. Proceedings of the 2007 Georgia Water Resources Conference, March 27-29, The University of Georgia, Athens GA.
7. Das, K. 2006. Biorefining principles and opportunities. INVITED PRESENTATION at the University of Georgia Academy of the Environment Symposium, October 24, 2006, Georgia Center UGA.

Paragraph Biographical Sketch

Since 1992, Dr. Das has authored or coauthored 46 peer reviewed journal articles and over 100 conference papers. Dr. Das has participated as Principal Investigator (PI) or Co-PI in the development of over 100 grant proposals. Presently, Dr. Das serves as Coordinator within UGA’s interdisciplinary Biorefining and Carbon Cycling Program. His primary areas of research include:

- Bioconversion and thermochemical conversion of biomass to energy and chemicals.
- Pyrolysis process engineering and product refinement.
- Anaerobic digestion for methane and hydrogen production.
- Composting - Municipal/Industrial solid waste and wastewater treatment
- Biofilters - Odor control and management – Design and applications.