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Publications and Presentations (2008-2017)

BOOK CHAPTER:

1. Cellulose and Cellulose Derivatives: Synthesis, Modification, Nanostructure and Applications: Mohammad K. Hossain, Shamim A. Begum. Nanophased Cellulose Based Structural Composite. Nova Publishers, 2015, In Press.

REFEREED JOURNALS PUBLICATIONS :

PAPERS PUBLISHED/IN PRINT

1. Shamim A. Begum, A.H.M. Golam Hyder, Nader Vahdat. Adsorption Isotherm and Kinetic Studies of As(V) Removal from Aqueous Solution Using Cattle Bone Char. Journal of Water Supply: Research and Technology AQUA. Available online on January 7, 2016.
DOI: 10.2166/aqua.2016.089
2. Renaldo Walters, Shamim A. Begum, Elham H. Fini, Taher M. Abu Lebdeh. Investigating Bio-Char as Flow Modifier and Water Treatment Agent for Sustainable Pavement Design. American Journal of Engineering and Applied Sciences (6): 138146, 2015
3. Tamara Floyd Smith, Shamim A. Begum, Nader Vahdat, Qinghua Peter He, Kyung Kwon, Jonathan Mbah, Allen Smith. Chemical Engineering at Tuskegee University. Chemical Engineering Education 49(1): 28, Winter 2015
4. A.H.M. Golam Hyder, Shamim A. Begum, Nosa O. Egiebor. Adsorption Isotherm and Kinetics Studies of Hexavalent Chromium Removal from Aqueous Solution onto Bone Char. Journal of Environmental Chemical Engineering 3(2):13291336, 2015.

8. Abdou Raimi Bouari, Shamim A. Begum, Nosa O. Egiebor. Bioremediation of Complex Cyanide Contaminated Wastewater using *Pseudomonas Fluorescens*. International Journal of Engineering Research and Technology, 2(9):1485-1493, 2013 ISSN: 2278-0181.
9. Shamim A. Begum, Jacimaria R. Batista. Impacts of Carbon Source Addition on Denitrification and Phosphorus Uptake in Enhanced Biological Phosphorus Removal Systems. Journal of Environmental Science and Health: Part A, 48(4): 464-473, 2013
10. Shamim A. Begum, Jacimaria R. Batista. Microbial Selection on Enhanced Biological Phosphorus Removal Systems Fed Exclusively with Glucose. World Journal of Microbiology and Biotechnology, 28(5): 2184-2193, 2012

PAPERS UNDER REVIEW/IN PREPARATION :

1. Shamim A. Begum, Nosa O. Egiebor. Kinetics of Ferrous Iron Oxidation by *Acidithiobacillus* (Thiobacillus) Ferrooxidans. International Journal of Mineral Processing Manuscript no. # MP 15-236 (Under review)
2. Vanisree Mulabagal, David A. Baah, Andrew Knight, Kayla Rhynes, Joshua Keith, Shamim A. Begum, Jonathan C. Mbah, Nosa Egiebor. Comparison of Hopane Biomarker Characteristics and Total Organic Carbon (TOC) Content in Crude Oils of Various Origin. (In preparation)
3. Karyn Moses, Vanisree Mulabagal, Shamim A. Begum, Nader Vahdat. Oxidation Conditions for Removal of Chrysene in Aqueous Solution. (In preparation)

PUBLICATIONS IN CONFERENCE PROCEEDINGS :

1. A.H.M.G. Hyder, Shamim A. Begum, N.O. Egiebor. Removal of Cr(VI) from Aqueous

annual Water Environment Federation Technical Exhibition and Conference (WEFTEC)
Orlando, Florida, October 10-14, 2009.

4. Branislav Petrushevski, Saroj Sharma, Ekramul Hossain, Shamim A. Begum, Jan C. Schippers

