

Recent Presentations

- Reddy, K.J. 2014. Intrinsic properties of cupric oxide nanoparticles in filtration of arsenic species from water. Environmental Engineering Lab, Harvard School of Engineering and Applied Sciences, Harvard University, Cambridge, MA.
- Reddy, K.J. 2013. (*Invited*) Chief guest for the 66th India Independence Day: Motivational speech to encourage students for higher education. College of Horticulture, Agriculture University, Hyderabad, India.
- Reddy, K.J. 2013. (*Invited*) Silent Killer: Misery of Arsenicosis: Problems and proposed mitigation technologies. Central University of Hyderabad, Hyderabad, India.
- Reddy, K.J. 2013. (*Invited*) Geochemistry of coalbed methane natural gas produced water. Symposium on Fuels, Chemicals, Materials, and Energy from Coal, Natural Gas, Oil Shale, and other Natural Resources. 246th American Chemical Society National Meetings and Exposition. Indianapolis, IN.
- Schilz, J.R., K.J. Reddy, S. Nair, T.E. Johnson, R.B. Tjalkens, K.P. Krueger, and S. Clark. 2013. Adsorption of arsenic by cupric oxide nanoparticles from uranium *in situ* recovery bleed water and effects on cell viability. 12th International Conference on the Biogeochemistry of Trace Elements, Athens, GA.
- McDonald, K.J., and K.J. Reddy. 2013. Arsenic removal process for water using cupric oxide nanoparticles: Kinetics and flow-through column studies. 12th International Conference on the Biogeochemistry of Trace Elements, Athens, GA.
- Reddy, K.J. 2013. (*Invited*) A novel flue gas carbon dioxide mineralization process for coal burning power plants. Cheyenne Engineers Club, Cheyenne, WY.
- Reddy, K.J. 2013. (*Invited*) A novel process to filter arsenic from Avago Technologies wastewater, Fort Collins, CO.
- McDonald, K.J., B. Reynolds, and K.J. Reddy. 2013. (*Invited*) Removing arsenic from water using CuO nanoparticles. Society for Mining, Metallurgy, and Exploration, Casper Chapter, Casper, WY.
- Reddy, K.J., and K.J. McDonald. 2013. A simple method to filter arsenic from water using CuO nanoparticles. Goldschmidt 2013, Florence, Italy.
- Reddy, K.J., B. Reynolds,* (presenter), and M.D. Argyle. 2013. (*Invited*) Simultaneous capture and mineralization of coal combustion flue gas CO₂, SO₂, and Hg with coal fly ash particles. 4th international conference on Accelerated Carbonation for Environmental and Materials Engineering, Leuven, Belgium.
- Reynolds, B., and K.J. Reddy. 2012. Simultaneous mineralization of flue gas CO₂, SO₂, and Hg with fly ash particles. 6th International Conference on Environmental Science and technology, American Academy of Sciences, Houston, TX.
- Sankara Warrier, A.K., and K.J. Reddy. 2012. Application of copper oxide nanoparticles to remove arsenic from natural groundwater. 6th International Conference on Environmental Science and technology, American Academy of Sciences, Houston, TX.
- Reddy, K.J. 2012. (*Keynote Speaker*) A novel arsenic filter for drinking water. Biofest-2012 Environmental Science Conference, Hyderabad, India.
- Reddy, K.J., and T.R. Roth. 2012. Arsenic removal from natural groundwater using cupric oxide. 4th International Conference on Arsenic in the Environment:

- Understanding the Geological-medical Interface of Arsenic, Cairns, Australia.
- Reddy, K.J. 2012. (*Symposium Keynote Speaker*) Instantaneous capture and mineralization of flue gas carbon dioxide (CO₂). Carbon Capture and Storage Technologies, 1ST Annual International Symposium on Clean Coal Technologies, Taiyuan, China.
 - Reddy, K.J. 2012. (*Invited*) Anthropogenic carbon dioxide (CO₂) effects on terrestrial ecosystem processes. International Conference of Global Meet of Biologists. Indian Institute of Chemical Technology, Hyderabad, India.
 - Reddy, K.J. 2011. (*Invited*) Instantaneous mineralization of point source flue gas carbon dioxide (CO₂). Oxford Round Table Conference “Climate Change”, Harris Manchester College, Oxford University, Oxford, England.