

IC EST2018

The Ninth International Conference on Environmental Science and Technology

June 25 -29, 2018
Houston, Texas, USA

Paper and Poster Awards

Student Paper Awards

1st Prize

#814 Xiao Zha

Nitrogen Removal by New-Type Rotating Biological Contactors with Anoxic Filter for Domestic Sewage Treatment in Rural Area. **Xiao Zha**, Jun Ma and Xiwu Lu (Southeast University, Nanjing, China)

2nd Prize

#828 Boya Zhang

Characteristics of Peroxyacyl Nitrate Pollution during A 2015 Winter Haze Episode in Beijing. **Boya Zhang** and Jianbo Zhang (Peking University, Beijing, China)

3rd Prize (3 Awardees)

#664 Gayana Anjali Dissanayake Herath

Removal of glyphosate using Commercial Grade Biochar and Activated Carbon: Statistical Optimization of Adsorption PARAMETER Using Response Surface Methodology. **Gayana Anjali Dissanayake Herath**, Richard D. Webster and Wun Jern Ng (Nanyang Technological University, Singapore)

#707 Xiaohu Lin

Experimental Study on Treating and Recycling of Steel Rolling Wastewater by Constructed Wetland Enhanced with Sulfur Autotrophic Denitrification. **Xiaohu Lin**, Jingcheng Xu, and Jie Ren (Tongji University, Shanghai, China)

#829 Jinyan Li

Analysis of Municipal Solid Waste Producing Law and Internet Technology-based Enterprises in China. **Jinyan Li**, Haizhen Yang (Tongji University, Shanghai, China)

Young Scientist Paper Awards

1st Prize

#585 Fateme Rezaei

Adsorptive Removal of Formaldehyde from Indoor Air Using Mixed-Metal Oxides. **Fateme Rezaei**, Anirudh Krishnamurthy (Missouri University of Science and Technology, Rolla, Missouri, USA)

2nd Prize

#825 Shakhawat Chowdhury

Formation of Disinfection Byproducts in Desalinated Drinking Water: An Assessment and Control Strategy. **Shakhawat Chowdhury** (King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia)

3rd Prize

#688 Asanga Wijesinghe

Effects of Nanoparticle Based Fuel Additives on Diesel Engine Performance and Emissions. **Asanga Wijesinghe**, Fanxu Meng, Carolyn LaFleur and Richard Haut (Houston Advanced Research Center, The Woodlands, Texas, USA)

Outstanding Paper Awards

1st Prize (2 Awardees)

#586 Hafiz Ahmad

A Comparative Study of Cod Removal from Wastewater Using Biochar and Activated Carbon from Hardwood and Pine Tree. **Hafiz Ahmad**, Korhan Adalier, Brandon Madden, Douglas Brown and Andres Rodrigues (Florida State University, Panama City, Florida, USA)

#885 Barry J. Hibbs

Modeling and Assessing Uncertainty Factors in Salt Balances in Groundwater Basins. **Barry Hibbs** and Godina Ying (California State University, Los Angeles, California, USA)

3rd Prize

#582 Shengyan PU and Shengyang XUE

In situ Co-Precipitation Preparation of a Superparamagnetic Graphene Oxide/Fe₃O₄ Nanocomposite as an Adsorbent for Wastewater Purification: Synthesis, Characterization, Kinetics and Isotherm Studies. **Shengyan PU**, Shengyang XUE, Yaqi HOU, Zeng YANG and Rongxin ZHU (Chengdu University of Technology, Chengdu, China)

Poster Awards

1st Place

Presenters: Steven Wu and Richard H. Zhang

Paper #: 642

Poster Title: *Phosphorous Removal in Eutrophic Surface Water to Control Algae Bloom Using Sorption-Precipitation Based Natural Materials.*

Authors: Chunlong Zhang, Rio Carlo Lirag, Steven Wu, Richard H. Zhang (University of Houston-Clear Lake / Clear Lake High School, Houston, USA)

2nd Place

Presenter: Minjin Kim

Paper #: 692

Poster Title: *The Effect of Sodium Hypochlorite on RO Membrane Surface during Backwashing in Seawater Desalination Process*

Authors: Minjin Kim, Jayeong Seong, Nayoung Park, and Hyungsoo Kim (Sungkyunkwan University, Suwon, Korea)

3rd Place

Presenter: Natalie Ownby

Paper #: 832

Poster Title: *Smart Sensing and Control of Thermoelectric Coolers for Atmospheric Water Generation*

Authors: Natalie Ownby, Melina Mijares, Mark Summers, and Bahram Asiabanpour. (Texas State University, San Marcos, Texas, USA)