Environmental Engineering Research in June 2011

In early 2011, Environmental Engineering Research (EER) was notified to be listed in SCOPUS by Elsevier. SCOPUS is the largest abstract and citation database of research literature and a quality web source covering nearly 18,000 titles from more than 5,000 publishers worldwide. While this was delightful news for the board members of EER, this was purely due to the great contributions of our members. Now, EER plans to submit papers and necessary materials to Thompson Reuters Inc. to be listed in the Scientific Citation Index (SCI) in September 2011. We are confident that EER will receive more great news from SCI by the summer of 2012. As the editor-in-chief of EER, I want to take this opportunity to thank everybody who has helped us come this far.

This edition of Environmental Engineering Research includes 2 wastewater treatment related papers, 2 water treatment related papers and 2 water quality management related papers. Park and Ahn (2011) showed that microwave pre-treatment was more effective than thermal pre-treatment for mesophilic anaerobic digestion on a mixture of municipal primary and secondary sludges using volatile solid reduction, noting the efficiency and the ratio between the soluble chemical oxygen demands and chemical oxygen demand. Kim at al. (2011) reported that the sequential batch reactor (SBR) followed by a dissolved ozone flotation-pressurized ozone oxidation (DOF-PO$_2$) system was very effective for the treatment of pigment wastewater. Siboni et al. (2011) showed that sawdust can be used as an effective adsorbent for the removal of hexavalent chromium from aqueous solutions through equilibrium and kinetic studies.

Loganathan et al. (2011) examined the crystallite phase, surface morphology combined with elemental composition and the light absorption properties of Ag, Au and Pt doped nano TiO$_2$. They reported that Au doped (0.5 wt %) nano TiO$_2$ was found to exhibit higher photocatalytic activity than other TiO$_2$s due to the cathodic influence of gold in suppressing the electron – hole recombination during the reaction. Jo et al. (2012) reported that the degradation of volatile hydrocarbons can be enhanced when plates are inserted to enlarge the catalytic surface area in continuous-flow photocatalytic systems. Ahn (2011) assessed the data for stream restoration projects in Fairfax County, Virginia, US finding that the methodologies currently applied to stream restoration are visual-based and do not include biological data collection and/or a method to incorporate watershed information. They suggested that a biological assessment and consideration of watershed conditions should be implemented for the improvement of the stream’s ecological integrity. Jeong et al. (2011) reported that a high removal efficiency can be achieved for SS, BOD, TN and TP when a buffer strip was used for nonpoint source control during a period of rain through SWAT modeling.

This EER issue is another stepping stone towards a better academic journal in the field of environmental engineering. We not only need to keep receiving good quality papers but also to publish the journal in an ordered and timely manner. Our next goal is to be listed in SCI. While EER try to meet the latter part as we have done, the achievement of the former part relies on the support of our members. We would also like to ask you cite EER manuscripts in your research papers as often as is possible. Readers are invited to enjoy online copies of EER, which are available from our website (eer.or.kr) for free, from 1996 onwards. We, the board members of EER are sure that EER will be helpful in your research and in your further academic achievement.

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