

Contents

- 1 **Correlations between on-site screening methods and laboratory analyses of oil-contaminated fuelling station sites**
Tsung-Nan Weng, Chen-Wuing Liu and Wen-Yao Liu
- 20 **Sustainable development of bio-diesel production for cleaner environment**
Rajeshwari Chatterjee and Sanat Kumar Mukherjee
- 40 **Modelling and simulation of batch adsorption of malachite green using groundnut shell waste-based activated carbon**
Irvan Dahlan and Kan Chee Kit
- 56 **Removal of Cr(VI) and Cu(II) from wastewater by an *Argopecten irradians* shell powder adsorbent**
Yanhong Xu and Guangrong Huang
- 68 **Wind-assist marine demonstration for ferries: prospects for saving diesel fuel with wind power**
Timothy E. Lipman and Jeffrey Lidicker