

# **International Journal of Chemical Engineering and Applications**

## **CONTENTS**

---

---

### **Volume 10, Number 2, April 2019**

Investigation of Some Physical Properties of Cobalt Doped MoO <sub>3</sub> Nanofilms and Their Effects on the Degradation of the Methylene Blue Solution under UV Illumination.....	33
<i>N. Benameur, A. Boukhachem, M. Ghamnia, M. A. Chakhoum, M. A. Dahamni, and C. Fauquet</i>	
Removal of Reactive Dye Using Solvent Impregnated Resin .....	40
<i>Anjali Awasthi, Sakshi Batra, and Dipaloy Datta</i>	
Preliminary Study of Anaerobic Digestion Improvement by Bacterial Immobilization Media from Activated Carbon and Natural Zeolite .....	46
<i>Chandra W. Purnomo, Dita P. Sari, Yanisa Laoong-u-thai, and Respati T. Swasono</i>	
Development of A Thermodynamically-Consistent Alpha Function for the Patel-Teja-Valderrama Equation of State .....	50
<i>Allan Paolo L. Almajose and Maria Lourdes P. Dalida</i>	
Enhanced Photocatalytic Activity of Carbon Dots Grafted TiO <sub>2</sub> Nanorods .....	56
<i>Shimin Cai</i>	
The Effects of Cationization on Dyeing Properties of Cotton Fabric Dyed with Marigold and Rose .....	60
<i>Matrikan Nutchawanit, Chutimon Satirapipathkul, and Rattanaphol Mongkholrattanasit</i>	

