Editorial Board for

Evergreen - Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy

Editor-in-Chief

Bidyut Baran Saha

Editors

Hideo Nagashima, Seigi Mizuno, Kazuhide Ito and Naoko Okibe

Evergreen – Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy Volume 1 Issue 2 (September 2014)

Published by

Green Asia Education Center, Kyushu University,

Research and Education Center of Carbon Resources, Kyushu University, and Research and Education Center for Advanced Energy Materials, Devices, and Systems, Kyushu University

6-1 Kasuga-koen, Kasuga, Fukuoka 816-8580 Japan

Tel: +81-92-583-7934 Fax: +81-92-583-8909

Journal Website: http://www.tj.kyushu-u.ac.jp/leading/en/c_publication/evergreen.php

E-mail: evergreen@ga.kyushu-u.ac.jp

Copyright: 2014 by

Green Asia Education Center, Kyushu University,

Research and Education Center of Carbon Resources, Kyushu University, and

Research and Education Center for Advanced Energy Materials, Devices, and Systems, Kyushu University

All rights reserved.

ISSN: 1884-6300

Printed by

Midori Printing Co., Ltd.

6-17-12 Hakataeki-Minami, Hakata-ku, Fukuoka 812-0016 Japan

http://www.midori-p.com/

Evergreen

Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy

Volume 01, Issue 02, September 2014

CONTENTS

Novel Carbon Resource Sciences

Yos Phanny, Mitsugu Todo Effect of Sintering Time on Microstructure and Mechanical Properties of Hydroxyapatite Porous Materials for Bone Tissue Engineering Application		1
Muhammad Sultan, Ibrahim I. El-Sharkawy, Takahiko Miyazaki, Bidyut Baran Saha, Shigeru Koyama Experimental Study on Carbon Based Adsorbents for Greenhouse Dehumidification		5
Cong Li, Kazuhide Ito Performance Evaluation of Wind Decontamination System by Computational Fluid Dynamics		12
Green Asia Strategy	***************************************	~~~
Masato Ezaki, Katsuki Kusakabe Highly Crystallized Tungsten Trioxide Loaded Titania Composites prepared by Using Ionic Liquids		18
and their Photocatalytic Behaviors Md. Sazzadur Rahman, Takeshi Nakagawa, Seigi Mizuno		
Germanene: Experimental Study for Graphene Like Two Dimensional Germanium		25
Muhammad Wakil Shahzad, Kyaw Thu, Bidyut Baran Saha, Kim Choon Ng An Emerging Hybrid Multi-Effect Adsorption Desalination System		30
Ang Li, Azhar Bin Ismail, Kyaw Thu, Muhammad Wakil Shahzad, Kim Choon Ng, Bidyut Baran Saha Formulation of Water Equilibrium Uptakes on Silica Gel and Ferroaluminophosphate Zeolite for Adsorption Cooling and Desalination Applications		37