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Volume 63, Issue 6 — June 2023

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## Research Articles

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1.

### **Green Education and the Constitutional Law: A Global Search for Sustainable Environemnt and Development**

Mohammad, Noor

*Department of Environmental Law, University of Malaya, Kuala Lumpur, Malaysia*

*Keywords: Green Education, Sustainable Environemnt and Development*

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2.

### **Effects of Rubber tire skidder and farm tractor on soil physical properties in plantation area in north of Iran**

Samantha Hill, Thomas Nguyen, Andrew Patel, Nicholas Santos

*Department of Physics, University of Oslo, Norway*

*Keywords: Crawler tractor; Farm tractor; Soil physical properties; Aspen; Iran*

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3.

### **Effect of coating on changes in physicochemical properties Of kiwifruit slices coating with aloe vera gel and chitosan**

Steven Kumar, Joshua Costa, Maria Schmidt

*Graduate School of Chemistry, Kyoto University, Japan*

*Keywords: Aloe vera, Coating, Chitosan, kiwifruit, Sensory properties*

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4.

### **Analysis of boiling in rectangular micro channel heat sink**

Ahmed Jassim Shkatrah , Dr. Mohd Yussof bin Sulaiman , Prof.Md Razali bin Ayob

*Department of Mechanical Engineering, Universiti Teknologi Malaysia, Johor, Malaysia*

*Keywords: Two Phase flow , Micro channel , VOF*

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5.

### **Determining the Best Conditions for Gas Sweetening Unit in Bidboland Gas Refinery with Mixed Amine Solution**

Anna Mueller, Laura Fischer, Sofia Weber, Elena Becker

*Department of Chemistry, University of Toronto, Canada*

*Keywords: gas sweetening, Bidboland Gas Refinery, Hysys, mixed amine, hydrogen sulfide*

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6.

### **Synthesis of TiO<sub>2</sub> nanotubes by hydrothermal method applicable to dye sensitized solar cells**

Hans Müller, Pierre Dubois, Marco Rossi

*Graduate School of Materials Science, Kyoto University, Japan*

*Keywords: TiO<sub>2</sub> NTs, TiO<sub>2</sub> mesoporous, DSSC, hydrothermal method.*

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7.

### **Pulse plated CdIn<sub>2</sub>Se<sub>4</sub> films and their photoconductive behaviour**

K.R.Murali

*Department of Physics, Indian Institute of Technology, Madras, India*

*Keywords: thin films; semiconductors, CdIn<sub>2</sub>Se<sub>4</sub>, electronic material, I -III-VI.*

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8.

### **Gas Permeability of Concrete: a Criterion for Concrete Durability Assessment**

Lars Johansson, Erik Nielsen, Yuki Tanaka

*Faculty of Civil Engineering, Universidad de Buenos Aires, Argentina*

*Keywords: Concrete, Durability, Permeability, Gas Permeability, Concrete Structures, Reinforcement Corrosion*

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