

Table of Contents

Volume 4 Number 3

August 2016

Design and Development of Innovative Highland Water Filtration System

M. H. Razali, S. Roslan, A. S. M. A. Halim, A. F. M. Shokeri, N. A. Husin.....383

Design and Optimization of the Geometric Properties of a Crane Hook

N. Desai, N. Zeytinoglu.....391

The Growth of Two Species of Subalpine Conifer Saplings in Response to Soil Warming and Inter-Competition in Mt. Gongga on the South-Eastern Fringe of the Qinghai-Tibetan Plateau, China

H. T. Song, S. Cheng, Y. S. Zhang.....398

Designing of Hot Strip Rolling Mill Control System

Y. J. Wu.....413

Research on Traditional Structural Aesthetics in Construction Realm in China

S. M. Yu.....418

Degradation of Aqueous 2,6-Dibromophenol Solution by In-Liquid Dielectric Barrier Microplasma

S.-I. Kojima, K. Katayama-Hirayama, T. Akitsu.....423

Analysis of Alkaline Foam to Water Temperature Model

Z. Xu, L. H. Zhao, K. Tan.....433

A Theoretical Analysis of Functionally Graded Beam under Thermal Loading

A. El-Megharbel.....437

Design and Development of Mechatronic Application in Agricultural Irrigation Device

M. H. Razali, S. Roslan, A. S. M. Abd Halim, H. Basit.....450

Research on the Mode of Efficaciously Solving “Agricultural Super-Docking”

Development Difficulties in China

G. S. Xu, H. F. Zhang, X. W. Zhang.....460

Design of a Fuzzy Logic Based Controller for Fluid Level Application

H. Shahid, S. Murawwat, I. Ahmed, S. Naseer, R. Fiaz, A. Afzaal, S. Rafiq.....469

Experimental Characterization of Rutting Performance of HMA Designed with Aggregate Gradations According to Superpave and Marshall Methods

B. H. Al-Humeidawi.....477

Calculations of Heat Transfer in Torch Furnaces by Gas Volume Radiation Laws

A. N. Makarov.....488