

TABLE OF CONTENTS

Volume 4 Number 1

January 2012

Computational Analysis of Flow Field on the Propulsion Nozzle of a Micro-Turbojet Engine

J. L. Garrido-Télez, M. Toledo-Velázquez, S. Alcántara-Montes, J. Á. L. Ortega-Herrera, A. Reyes-León.....1

Carbonic Gas Randomness Effect on Reinforced Concrete Carbonation

A. Badaoui, M. Badaoui, F. Kharchi.....6

The Empirical Prediction of Gas Dispersion Parameters on Mechanical Flotation Cells

B. Shahbazi, B. Rezai, S. M. J. Koleini, M. Noaparast.....11

Effect of Pressure on the Fracture of Compacted Argillaceous Particles

M. Bouaziz, S. Abid, H. Ksibi.....18

On the Dynamic Behavior of Town Gas Pipelines

A. El-Kafrawy.....24

Maintenance Capacity Planning: Determination of Maintenance Workforce

A. M. Al-Shayea.....37

Applying Geographic Information System (GIS) for Maintenance Strategy Selection

A. T. Ibraheem, D. Abd Al-R. Falih.....44

Performance Analysis of Automated Control System for Condenser Water Treatment Unit

A. S. Al-Ghamdi.....55

The figure on the front cover is from the article published in Engineering, 2012, Vol. 4, No. 1, pp. 11-17 by Behzad Shahbazi, Bahram Rezai, Seyed Mohammad Javad Koleini and Mohammad Noaparast.