

JOURNAL OF
CHINESE SOIL AND WATER CONSERVATION

Vol. 46, No.4

December 2015

CONTENTS

Papers

1. The Maximum Impact Force from a Rock-fall for Rock-Shed Slab Design -----
----- *Chia-Ming Lo, Kai-Jie Chang* ----- 197
2. Three-Dimensional Numerical Analyses of the Mechanical Behaviors of Retaining
Shear Piles Stabilized Slope ----- *Der-Guey Lin, Wei-Hsiang Chen, Sheng-Hsien Wang* ----- 205
3. A GIS-based Comparative Study of the use of A Logistic Regression, the Instability
Index Method and A Support Vector Machine for Landslide Susceptibility Analysis --
----- *Hsun-Chuan Chan, Po-An Chen, Yu-Ting Wen* ----- 213
4. The Mechanism of Landslides Caused by Typhoon Soudelor in Northern Taiwan -----
----- *Lun-Wei Wei, Wei-Kai Huang, Chuen-Ming Huang,*
----- *Ching-Fang Lee, Sheng-Chi Lin, Chung-Chi Chi* ----- 223

Technical Notes

1. The Effect of Free Over-fall by Upstream and Downstream Channel Bed Slopes on
Impact Position----- *Jie-Hui Huang, Chun-Hsien Hsieh, Jen-Yan Chen* ----- 233
2. A 3-D Numerical Simulation of the Flow Field around a Porous Cylinder-----
----- *Shao-Hua Marko Hsu, Wei-Bang Hsin, Pi-Fang Hung* ----- 239

Index

1. Volume 46, Author Index ----- 252

Chinese Soil and Water Conservation Society
Taipei, Taiwan, Republic of China