

# *Journal of Engineering Geology*

## **Contents**

**S. Afshar, M. Ghafari, G.R. Lashkaripur:**

Investigation of optimum depth for tunnel of Mashhad metro line 2

**A. Cheshomi, E. Ahmadi Sheshde:**

Determination of Uniaxial Compressive Strength of Microcrystalline Limestone Using Single Particle Test

**N. Hafezi Moghadas, M.d R. Nikoudel, A. Ghazi:**

Evaluation of Man-made Soil Ground Subsidence in West of Mashad City

**M. Fatemi Aghda, A. Noorzad, A. Hodaiei:**

The Evaluation of the Quality of the Grout Curtain of Salman Farsi Dam through the Secondary Permeability Index (SPI)

**M. H. Ghobadi, A. R. Taleb Beydokhti, A. Asiabanha:**

The Effect of pH of Water and Mineralogical Properties on the Slake Durability of Tuff in North Qazvin

**M. Gerami, A. Sivandi Pour, H. Taghdisi:**

Statistical Prediction of Probabilistic Earthquake Hazard Zonation whit Artificial Neural Networks

**M. Vaghefi, M. Movahhedzadeh:**

A Comparative Study of Three Infiltration Models by Using Double Ring Tests (Study Tow Riversides in Bushehr State)

# *Journal of Engineering Geology*

Vol. 6 No.1  
Spring & Summer 2012

# Journal of Engineering Geology

**Chief Editor:** Fatemi Aghda, S.M., Ph. D.

**Executive Editor:** Ghanbari A., Ph. D.

**Executive Manager:** Noorzad, A., Ph. D.

**Director:** Torabi, F.

**Editorial Board:**

Fahimifar A., Ph. D.

Fatemi Aghda S.M., Ph. D.

Ghafoori M., Ph. D.

Ghanbari A., Ph. D.

Ghobadi M.H., Ph. D.

Khamechian M., Ph. D.

Lashkaripur Gh., Ph. D.

Mehrabi B., Ph. D.

Nakhaei M., Ph. D.

Uromeihy A., Ph. D.

Pourkermani M., Ph. D.

**Co-Editors:**

Shadrouimanesh M., Ph. D. and Ataei, M. R., Ph. D.

**Address:**

**Kharazmi University**

**No. 43, Mofateh Ave. - Postal Code: 15719-14911**

**P.B.: 15815-3587, Tehran, Iran**

**Tel: +98-21-88329212**

**Fax: +98-21-88825580**

**E-mail: eng.geology@khu.ac.ir, jegeo1382@gmail.com**

**Web page: jeg.ir**

Vol. 6, No.1  
Spring & Summer 2012

## Contents

**S. Afshar, M. Ghafari, G.R. Lashkaripur:**

Investigation of optimum depth for tunnel of Mashhad metro line 2

**A. Cheshomi, E. Ahmadi Sheshde:**

Determination of Uniaxial Compressive Strength of Microcrystalline Limestone Using Single Particle Test

**N. Hafezi Moghadas, M.d R. Nikoudel, A. Ghazi:**

Evaluation of Man-made Soil Ground Subsidence in West of Mashad City

**M. Fatemi Aghda, A. Noorzad, A. Hodaei:**

The Evaluation of the Quality of the Grout Curtain of Salman Farsi Dam through the Secondary Permeability Index (SPI)

**M. H. Ghobadi, A. R. Taleb Beydokhti, A. Asiabanha:**

The Effect of pH of Water and Mineralogical Properties on the Slake Durability of Tuff in North Qazvin

**M. Gerami, A. Sivandi Pour, H. Taghdisi:**

Statistical Prediction of Probabilistic Earthquake Hazard Zonation whit Artificial Neural Networks

**M. Vaghefi, M. Movahhedzadeh:**

A Comparative Study of Three Infiltration Models by Using Double Ring Tests (Study Tow Riversides in Bushehr State)