2016 | Volume Volume - 1 - Issue Issue - 1

In this issue

Research Article

Open Access Research Article PTZAID:JCEES-1-106

Study on Innovative Scenario for Transportation and Lowering of 18000 Ton Caisson for Persian Gulf Bridge

Published On: November 06, 2015 | Pages: 028 - 031

Author(s): AB Toroodi, MM Abaiee* and A Ahmadi

This paper aims to provide an innovative scenario for transportation and lowering installation of heavy caissons of 18000 tons for Persian Gulf Bridge. The project is supposed to be carried on in Bohal port from Hormozgan to Qeshm Island in Iran. There is a heated controversy over the suitable scenario to do the operation safely and lower the caissons correctly under ...

Abstract View Full Article View DOI: 10.17352/2455-488X.000006

Open Access Research Article PTZAID:JCEES-1-105

Chemistry in Civil Engineering-New Products and Applications

Published On: October 29, 2015 | Pages: 021 - 027

Author(s): Utpal Kumar Nandy, Shravani Nandy and Antara Nandy*

The field of civil engineering is ever expanding where technology grows and advances at a very fast pace. Newer constructional materials are introduced every year to cater to these needs. There are certain naturally occurring cement types that have been found to bear many useful properties such as increased strength and workability and/or reduction in bleeding, segreg ...

Abstract View Full Article View DOI: 10.17352/2455-488X.000005

Open Access Research Article PTZAID:JCEES-1-104

Six Sigma DMAIC for Shaking Stagnant Construction Cultures – A Conceptual Perspective

Published On: September 10, 2015 | Pages: 013 - 020

Author(s): Ahmad A Mousa*

Cultural barrier is always perceived as the prime challenge for modernizing idle construction markets. Unsurprisingly, most changes in construction hinge on understanding the benefits of sustainable transformation. Persistent attempts in stagnant construction cultures have materialized in some noted changes. Successful sustainable transformation in such economies appe ...

Abstract View Full Article View DOI: 10.17352/2455-488X.000004

Open Access Research Article PTZAID:JCEES-1-103

Effect of Different Regional Climates on Persimmon Quality

Published On: September 02, 2015 | Pages: 008 - 012

Author(s): Saeid Shiukhy Soqanloo*

Persimmon (Diospyros kaki) is grown in wide climate conditions, which may affect fruit biochemical characteristics such as vitamins, soluble solids and antioxidants. Therefore, the aim of this research is to evaluate the biochemical responses of fruit to these climate variables. For this purpose 5 districts of Kashan, Shahrud, Yazd, Kiasar and Sari were chosen to coll ...

Abstract View Full Article View DOI: 10.17352/2455-488X.000003

Open Access Research Article PTZAID:JCEES-1-102

Kinetics of Ethylene Glycol Biodegradation in a Sequencing Moving Bed Biofilm Reactor

Published On: July 31, 2015 | Pages: 002 - 007

Author(s): Nasim Esmaeilirad*, S Mehdi Borghei and Manouchehr Vosoughi

Treatment of waste water containing ethylene glycol (EG) by implementing a sequence of two Moving Bed Biofilm Reactors (MBBR) were studied. Reactors were operated at different hydraulic retention times (HRT) of 48, 24, 18, and10 hours while EG concentration was in the range of 10 mg/l to 1,150 mg/l. Throughout the experiments the ratio of EG Chemical Oxygen Demand (CO ...

Abstract View Full Article View DOI: 10.17352/2455-488X.000002

Open Access Editorial PTZAID:JCEES-1-101

Disseminate Research in Science, Technology, Engineering and Mathematics (STEM) that Help in Creating Constructive Solutions in a Context of National and International Regulations

Published On: April 14, 2015 | Pages: 001 - 001

Author(s): Samera Hussein Hamad*

Welcome to the open access, multi disciplines Journal of Civil Engineering and Environmental Sciences (JCEES). We are delighted to announce that all the original work in the engineering, sciences and environment can be covered under the scope of JCEES. In the Civil Engineering and Environmental Science, we are bringing together the new ideas of different research a ...

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