

Challenge Journal of **CONCRETE RESEARCH LETTERS**

Vol.8 No.2 (2017)

CFRP acidic environment acoustic
emission compressive strength
concrete corrosion cracking
ductility durability ferrocement
fly ash mechanical properties palm oil
fuel ash reinforced concrete self-
compacting concrete silica fume steel
mesh strength strengthening
superplasticizer water absorption



TULPAR
ACADEMIC PUBLISHING

ISSN 2548-0928



Challenge Journal

OF CONCRETE RESEARCH LETTERS

EDITOR IN CHIEF

Prof. Dr. Mohamed Abdelkader ISMAIL

Curtin University Sarawak, Malaysia

EDITORIAL ADVISORY BOARD

Prof. Dr. Abdullah SAAND	<i>Quaid-e-Awam University of Engineering, Pakistan</i>
Prof. Dr. Alexander-Dimitrios George TSONOS	<i>Aristotle University of Thessaloniki, Greece</i>
Prof. Dr. Ashraf Ragab MOHAMED	<i>Alexandria University, Egypt</i>
Prof. Dr. Ayman NASSIF	<i>University of Portsmouth, United Kingdom</i>
Prof. Dr. Gamal Elsayed ABDELAZIZ	<i>Benha University, Egypt</i>
Prof. Dr. Hamidah Mohd SAMAN	<i>Universiti Teknologi Mara, Malaysia</i>
Prof. Dr. Han Seung LEE	<i>Hanyang University, Republic of Korea</i>
Prof. Dr. Zubair AHMED	<i>Mehran University, Pakistan</i>
Dr. Aamer Rafique BHUTTA	<i>Universiti Teknologi Malaysia, Malaysia</i>
Dr. Khairunisa MUTHUSAMY	<i>Universiti Malaysia Pahang, Malaysia</i>
Dr. Mahmoud SAYED AHMED	<i>Ryerson University, Canada</i>

E-mail: cjcrl@challengejournal.com

Web page: cjcrl.challengejournal.com

TULPAR Academic Publishing
www.tulparpublishing.com





CONTENTS

Effectiveness of high performance mortar reinforced with fibers as a repair material	
<i>Eethar Thanon Dawood, Tamara Waleed Ganim</i>	29
Structural behaviour of ferrocement channels slabs for low cost housing	
<i>Yousry B. I. Shaheen, Essam A. Eltehawy</i>	48
Evaluation of initial setting time due to superplasticizers	
<i>Abhishek Singh, Shobha Ram, Alok Verma</i>	65

