

Challenge Journal of

CONCRETE RESEARCH LETTERS

Vol.10 No.3 (2019)

CFRP acidic environment acoustic emission
compressive strength concrete
corrosion cracking curing ductility
durability energy absorption ferrocement
flaky aggregate fly ash fracture mortar
palm oil fuel ash reinforced concrete
self-compacting concrete silica fume steel
fibers strength superplasticizer water
absorption water-cement ratio workability



TULPAR
ACADEMIC PUBLISHING

ISSN 2548-0928



Challenge Journal

OF CONCRETE RESEARCH LETTERS

EDITOR IN CHIEF

Prof. Dr. Mohamed Abdelkader ISMAIL

Miami College of Henan University, China

EDITORIAL 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. Han Seung LEE	<i>Hanyang University, Republic of Korea</i>
Prof. Dr. Zubair AHMED	<i>Mehran University, Pakistan</i>
Prof. Dr. Jiwei CAI	<i>Henan University, China</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>
Dr. Jitendra Kumar SINGH	<i>Hanyang University, Republic of Korea</i>
Dr. Meral OLTULU	<i>Atatürk University, Turkey</i>
Dr. Saleh Omar BAMAGA	<i>University of Bisha, Saudi Arabia</i>

E-mail: cjcr@challengejournal.com

Web page: cjcr.challengejournal.com

TULPAR Academic Publishing
www.tulparpublishing.com





CONTENTS

Research Articles

Prediction of tensile strength of concrete produced by using pozzolanic materials and partly replacing natural sand by manufactured sand 50-55

Kiran M. Mane, Dilip K. Kulkarni, K.B. Prakash

Investigation of some engineering properties of waste polytetrafluoroethylene (PTFE) fiber reinforced concrete 56-62

Abdulkadir Kan

Reviews

Investigation of roller compacted concrete: Literature review 63-74

Gokhan Calis, Sadık Alper Yıldız
