

International Conference on Advances in Design and Construction of Structures

(ADCS 2012)

**Bangalore, India
19 - 20 October 2012**

Editors:

Vinu V. Das

D. K. Ramesha

ISBN: 978-1-62993-419-8

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2012) by The Institute of Doctors Engineers and Scientists (IDES)
All rights reserved.

Printed by Curran Associates, Inc. (2014)

For permission requests, please contact IDES-CPS
at the address below.

IDES-CPS
Prins Hendriklaan 19
1075 AZ Amsterdam, Netherlands

Phone: +31-6855 84465

cps.info@theides.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

Table of Contents

1. Using Steel Bars in Optimum Design of Reinforced Earth Walls by Genetic Algorithm <i>Eshtehardian E, Taheriattar R, Mohammadi S and Farzanehrafat M</i>	12 - 17
2. Predicting 28 Days Compressive Strength of Concrete from 7 Days Test Result <i>AhsanulKabir, MonjurulHasan and Md. KhasroMiah</i>	18 - 22
3. Effect of Use of Recycled Concrete Aggregates in Bituminous Concrete Surface Course <i>Gurukanth S, Donal Nixon D'souza, AvinashBabu S, Vivek A K and Srikanth M Naik</i>	23 - 29
4. Capacity Spectrum Analysis For Prestressed Concrete Bridges <i>SreerajaSreevilasan K and Chakrabarti M A</i>	30 - 35
5. Sustainable Stormwater Management in Developing and Developed Countries: A Review <i>Nivedita G Gogate and Pratap M Rawal</i>	36 - 41
6. Experimental Study On The Influence Of Nanosilica In the Strength and Durability Of Concrete <i>YuvarajShanmugasundaram, Dinesh Nagarajan, KarthicRamachandran and SujiMohankumar</i>	42 - 46
7. Application of Neural Networks for Piezoelectric Sensor based Strength Monitoring of Concrete Cube <i>GauravDuggal, VenuGopalAnnamdas and SaurabVerma</i>	47 - 50
8. An In – Built Trial Mechanism of Providing Permanent ‘Sound Proofing and Thermal Insulation’ In Buildings Using Steel Shear Bolsters In Sandwiched Reinforced Cement Concrete Slabs and Beams <i>Akshay V</i>	51 - 57