

**Managing Editor Board**

- ❖ Dr. S.Prakash  
Sathyabama University, India
- ❖ Dr. Idris, Musibaudeen Olatunde  
The Federal Polytechnic Ede, Osun State, Nigeria
- ❖ Dr. Salah Hamed Ramadan Ali  
National Institute for Satandards (NIS), Egypt
- ❖ Dr. Mohammad Valipour  
University of Tehran, Iran
- ❖ Dr. Abdul Latif Qureshi  
Mehran Univ. of Engg. & Tech., Jamshoro, Pakistan
- ❖ Dr. Trouzine Habib  
LGCE, Sidi Bel Abbes University, Algeria

**International Editorial Board**

- ❖ Dr. Said Abdel-Aleem Farag Hawash  
National Water Research Center (NWRC), Egypt
- ❖ Dr. S. K. Mangal  
PEC Univerisity of Technology, India
- ❖ Dr. Rajeshkumar U. Sambhe  
Sant Gadge Baba Amravati University, Amravati, India
- ❖ Dr. Aginam, Chukwurah Henry  
Nnamdi Azikiwe University Awka, Anambra Nigeria
- ❖ Dr. Pramod Kumar Gupta  
IIT Roorkee, India
- ❖ Dr. P.Sivaprakash  
Karpagam Institute of Technology, India

**Contact Us**

Website URL : [www.iosrjournals.org](http://www.iosrjournals.org)  
Email : [iosrjournals@gmail.com](mailto:iosrjournals@gmail.com)  
[Support@iosrmail.org](mailto:Support@iosrmail.org)



**Qatar Office:**

IOSR Journals  
Salwa Road  
Near to KFC and Aziz  
Petrol Station,  
DOHA, Qatar

**India Office:**

IOSR Journals  
SC-89 A, Shastri Nagar,  
Ghaziabad, UP,  
India

**Australia Office:**

43, Ring Road,  
Richmond Vic 3121  
Australia

**New York Office:**

8th floor, Straight hub,  
NS Road, New York,  
NY 10003-9595



**IOSR Journals**

International Organization  
of Scientific Research

e-ISSN : 2278-1684

Volume : 15 Issue : 3 (Version - III)

p-ISSN : 2320-334X

**IOSR-JMCE**

**Contents :**

Design and Fabrication of A Single Acting Hydraulic Crane	01-09
Non-Conventional Machining Of Si-C	10-16
The Application Status of Unit Brakes on Metro Vehicles in China	17-23
Optimization of Box Girder Bridge Using Genetic Algorithm Method	24-29
Reduction in Scratches & Edge Wrinkles Defects in CRM	30-34
Research on the Status Quo of Steel Strip Rust Removal Technology	35-41
Performance of Electronically Controlled Automotive Engine Cooling System Using PID and LQR Control Techniques	42-51
Dispute Management Between Project Management Consultant And Civil Contractor	52-57
Earthquake Effects To Partially Dismantled Buildings	58-64
Numerical Simulation of Tube in Tube Heat Exchanger with Twisted Tape Insert	65-78
Characterization and Value Enhancement of Some Nigerian Refractory Materials for Thermal Insulation	79-86