# IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)

### **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 University 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 Email: iosrjournals@gmail.com 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 Journal of Mechanical and Civil Engineering

International Organization of Scientific Research

**IOSR** Journals

# Contents .

Contents:	
Behavior of MSE Wall with Strips and Georgics Reinforcement Subjected To Compaction Loadings	01-09
Effect of Part Selection Decision on the Performance of Additive Manufacturing	10-14
Carbon Abatement in Wastewater Stabilization Ponds Case Study of Dandora Waste Water Stabilization Ponds in Kenya	15-18
Improvement on Mechanical Power Transmitter to Meet the API 610 and API 671 Standards in the Petrol Industry	19-22
Elastoplastic Behavior analysis of Clamped Circular Perforated Thin Plates	23-37
Seismic Analysis of RCC and Steel Frame Structure By Using ETABS	38-42
Road Defects and Highway Maintenance	43-47
A Review of Marine Engine Vibration Performance Analysis and Counteract Measures	48-53
Critical Analysis of Air Pollution over Chennai in India	54-62
Development of Maintenance Decision Guidelines from Used Oil Data of a Thermal Powerplant.	63-71
Marketing Strategy Model of the Construction Consulting Service in South Kalimantan	72-78