

Table of Contents

Impacts of Climate Change on Water resources in India and Responsive Adaptations for Future <i>Rajat Jain, Shubham Gupta</i>	1
PH-Dependent Interactions between Copper (II) and Biomass in the Biosorption Process for Removal of Copper (II) from Water <i>Amarpreet Kour Bhatia, Fahmida Khan</i>	6
The Integration of Quality Management and Environmental Management - A Review <i>Rishabh Agrawal, Jeetendra Tiwari</i>	9
Exploration of Distribution Network for Indian Automobile Industries: AHP Approach <i>Rajat Gupta, Bharat Jain, T. Sethu Madhav, A. R. Singh</i>	14
Systematic Review on Quality Assessment of Test Case Prioritization Techniques in Software Testing <i>Akash Goyal, Aakanksha Sharaff, Dr. N. K. Nagwani</i>	19
Testing and Evaluation : A case study Approach <i>Hema Gaikwad, Samaya Pillai</i>	24
Importance of Quality of Waste: A Case of Fly Ash <i>M. I. M. Loya, A. M. Rawani</i>	29
An Empirical Study on Influence of Quality on Adoption of Fly Ash Bricks <i>A. Agrawal, M. I. M. Loya, A. M. Rawani</i>	33
Quality of ERP Implementation: Case Study of Select Indian Organizations <i>Firdous Bano</i>	36
Analytical Phase wise Analysis of Defect Removal Effectiveness to Enhancing the Software Quality <i>Arun Kumar Marandi, Danish Ali Khan</i>	40
Artificial Neural Network Based Fault Locator for Single Line to Ground Fault in Double Circuit Transmission Line <i>Aravinda Surya. V, Ebha Koley, AnamikaYadav, A.S.Thoke</i>	47
Single Phase Multi- Level Inverter using Single DC Source and Reduced Switches <i>Varsha Singh, Santosh Kumar Sappati</i>	52
Estimation of Blockage in Thermo siphon Flat Plate Solar Water Heater: Feasibility in Chhattisgarh <i>Prafull Hishikar, Lakhvindar Singh Aji, Anil Kr Tiwari</i>	57
Analysis of Evaporative Cooling System and Recovery of Potable Water as by Product <i>Amit Dubey, Anil Kr Tiwari</i>	62
Evaluation of Passive Solar Strategies by finding Solar Zones: For Quality Life in Rural Areas <i>Somesh Murarka, Anil Kr Tiwari</i>	68
Statistical Analysis of TIG Arc Weldment Characteristics	73

<i>H. K. Narang, M. M. Mahapatra</i>	
A Review on Heavy Metals Uptake by Plants through Biosorption <i>Kajal Sao, F. Khan, Piyush Kant Pandey, Madhurima Pandey</i>	78
Better Quality Gas Exhaust Generation from Biodiesel Fuel and its Performance on Diesel Engine <i>M. Sharma, P.K. Maloo, J.K. Tiwari</i>	84
Electromagnetic Interference Shielding Structures Design: A Reliability-Based Design Optimization Scheme <i>Heeralal Gargama, Sanjay Kumar Chaturvedi, Awalendra Kumar Thakur</i>	91
Improving the Quality of Technical Education System using TEM <i>Dushyant Sahu, Vivek Kumar Gaba, Shubhankar Bhowmick</i>	96
Factors Facilitating the Quality of Fly-Ash Bricks <i>J. Sharma, M.I.M. Loya, A.M. Rawani</i>	101
AHP And QFD Methodology For Supplier Selection <i>Naveen.Jain, A.R.Singh</i>	106
Product Design through QFD Approach with Hybrid of AHP and Fuzzy Logics <i>Gaganpreet Singh Hundal, Dr.Suman kant</i>	112
Identification of Factors and Indicators for Success Measurement of ERP System <i>Suraj Kumar Mukti, Dr. Priyanka Tripathi, Dr. A.M. Rawani</i>	117
Determinants of Fly Ash Bricks Quality: A Perspective of Consumer <i>A. P. Dixit, M. I. M. Loya, A.M. Rawani</i>	124
Implementing 5S Methodology <i>Sweta</i>	127
Impact of Quality on User Satisfaction and Efficiency in High Value Public Procurement <i>Vikas Rohella</i>	131
Quality in Supply Chain: Case Study of Indian Cement Industry <i>Deepesh Giri Sharma, G K Sahu</i>	138
Estimation the System Reliability using Weibull Distribution <i>D. R. Dolas, M.D. Jaybhaye, S. D. Deshmukh</i>	144
Effectiveness of the Competence Development Programmes in Enhancing the Competence Level in Steel Industry <i>Jai Prakash Pandey, Sanjay Guha</i>	149
Effect of Weathering on Coal Quality <i>P K Jha, Dr.T.K.Das, Dr.Mrs.A.B.Soni</i>	155
Entice Sponsors and Foster Change to Empower Quality and Innovation <i>Mithun Kumar Mridha, Paul Florea</i>	160
444 Mathematical Models on Cities Waste Material Management System <i>R.P. Pathak, Shiv Kumar Sahoo</i>	167
<i>Formulation of Approximate Generalized Class Room Data Based Model for the Prediction of Student's Marks</i>	172

*Girish. D. Mehta, V. N. Mujbaile, M. P. Singh, H. K. Dubey, , Shraban Chowdhary,
Abhishek Das, Amit Kumar*

A Heuristic for Cost Oriented Assembly Line Balancing Problems <i>Shwetank Avikal, Ferhaz Ahmed, P. K. Mishra, A. R. Singh, Sanjay Sharma</i>	180
A Fault Classification Algorithm for Double Circuit Line with Thyristor Controlled Series Capacitor <i>Monalisa Biswal, Dolly Jain</i>	184
Systems Engineering for Effective Supply Chain Coordination for Knowledge Process Outsourcing <i>Sunand Kumar, Rajiv Kumar Sharma1, Prashant Chauhan</i>	189
Author Index	197