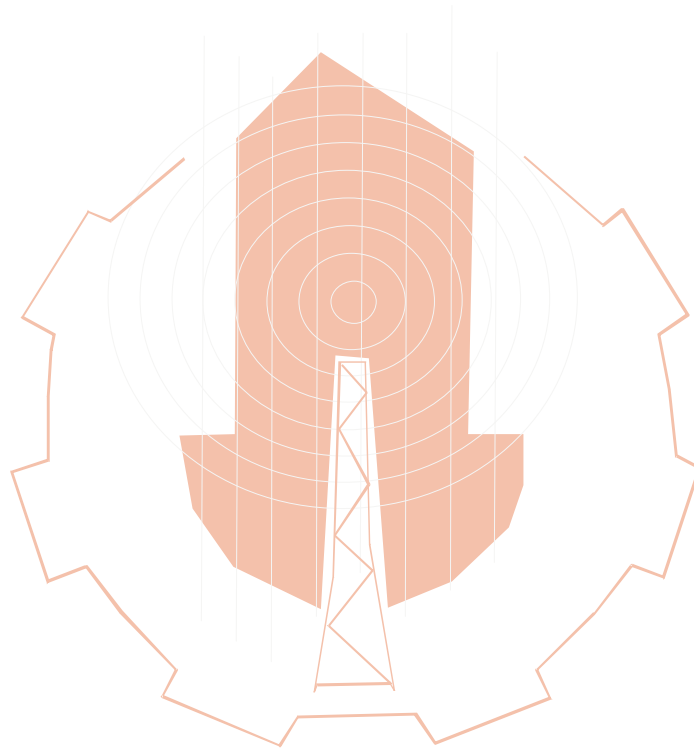




JOURNAL OF ENGINEERING RESEARCH

Refereed and issued twice annually by the
Faculty of Engineering - University of Tripoli



Issue 31 March 2021



Contents

المحتويات

Research Papers in English

- 1- Influence of Fine Aggregate Type and Content on the Properties of Grout For Two-Stage Concrete
Manal F. Najjar, Enas A. Elmusrati, Amal M. El-khoja, and Abdurrahman A. Elgalhud 1
- 2- Influence of Polypropylene Fiber on Plastic Shrinkage Cracks of Concrete
Ashraf Abdalkader and Omer Elzaroug 13
- 3- Production of Siloxane Oils from Octamethylcyclo-Tetrasiloxane Using Equilibrium Ring Opining Reaction
Abduelmaged Abduallah, Omar Algeidi, Omar Sultan, Mohamed A. Ibrahim 25
- 4- The Effect of the Submerged Arc Welding Variables on Bead Geometry of Mild Steel Using Regression Analysis Technique
Abdulbaset A. Frefer and Al-Sonosi M. Abohusina 35
- 5- Simulation of Si Engine Performance and NO_x Emissions
Abdorouf M. Naas, Fatima M. Ellafi, and Salem A. Farhat 51
- 6- Thermoeconomic Analysis of Alkhoms Steam Power Plant at Different Operating Loads
Haitham M. Elhejaji and Giuma M. Fellah 71

الأوراق البحثية باللغة العربية

- 1- دراسة عامة حول استخدام القوالب النسيجية في صب الخرسانة
حكيم عبد القادر السموعي وعلي سعيد البادن وهاجر محمد أبوصلاح 1
- 2- الاحمال المحورية وضغط الاطار لمركبات النقل بالطريق الساحلي قطاع (طرابلس - مصراته)
محمد الشتيوي بن عمر وعبد الحكيم علي الشماح 16