

## Table of Contents

|   |    |
|---|----|
| <b>A Review of Concrete Performance Employing a Starch as Addition Using Several Regression Techniques</b><br>J.A. Guzmán-Torres, F.J. Domínguez-Mota, E.M. Alonso-Guzmán, W. Martínez-Molina and G.T. Ruiz           | 1  |
| <b>The Effect of Si Content on Microstructures and Mechanical Properties of Normalized Pressure Vessel Steel A517 Grade Q</b><br>Y. Amalia, A.A. Maulana and E. Pujiyulianto  | 15 |
| <b>Influence of Nano Particles in the Flexural Behavior of High-Strength Reinforced Concrete Beams</b><br>N.G. Fahmy, R. El-Mashery, R.A. Sadeek and L.M. Abd el-Hafez  | 25 |
| <b>Spinel Structured Iron Gallium Oxynitride - <math>\text{Fe}_2\text{GaO}_2\text{N}_2</math></b><br>S.K. Unnikrishnan  | 45 |
| <b>Hafnium Oxide and Hydrogen Co-Doped Indium Oxide Films Deposited by Magnetron Sputtering Technology</b><br>C.Y. Shi and G.H. Wang  | 51 |
| <b>Energy and Communication Efficient FSS for Equivalent Model of Hard-Coated Energy Saving Glass</b><br>G.I. Kiani and J. Khan   | 57 |
| <b>Electrocatalytic Activity of Lanthanum Chromite-Based Composite Cathode for Ammonia Synthesis from Water and Nitrogen</b><br>I.A. Amar and M.M. Ahwidi   | 65 |
| <b>Oil Palm Deseeded Fruit Head Ash: Fractionation and Characterization</b><br>I.J. Udeinya, N.I. Nubila, U.A. Okoli, T.M. Okafor, F. Udeinya, S. Mgbede, E.N. Aniagor and N.E. Shu                                   | 75 |
| <b>Predicting Flow Curves of Q&amp;P Steel Using Sharp Pyramidal Nanoindentation on Constituent Phases: Isostrain Method</b><br>M. Karam-Abian, A. Zarei-Hanzaki, A.H. Shafieizad, A. Zinsaz-Borujerdi and S. Ghodrat | 83 |
| <b>Assessment of Mechanical and Metallurgical Properties of Thermally Aged Electron Beam Welded AISI 321 Stainless Steel</b><br>A. Sharma, S.S. Sandhu and V. Kumar   | 93 |