

## Contents

1. **The possibility of four compensation points in a mixed spin-2 and spin-7/2 Ising ferrimagnetic system using mean-field theory**  
Fathi. O. Abubrig
2. **Effect of Surface Roughness on the Corrosion Behavior of C45 Carbon Steel in Sea Water**  
A. M. Taher, K.A. Mazuz, K.M. Etmimi , and M. Deban
3. **Non- Newtonian Hydro-dynamic pressure distribution in a complex geometry coating unit (stepped & converging exponential part) Theoretical Predictions.**  
M. A. Nwir, Ahmed. L. Ali, and H. S. Elhaji
4. **Statistical Analysis of Highly Unsteady Phenomena in Transonic Flow (Part I: Analysis in The Frequency Domain)**  
A. Al Shabu
5. **Second generation current conveyors (CCII) Design and Characteristics**  
I.Eldbib, and A. Shaglouf
6. **Iron (III) TriFluoroAcetylAcetate; Polymerization Initiator**  
A. Alfakhry
7. **Elective Design of Shell & Tube Heat Exchanger**  
Ahmed L.Ali, A. M. Algalad and, Abdulmunam Shaban
8. **Influence of Surface Finishing Parameters on Wear Resistance of AISI D2 Tool Steel**  
M. A. Hamel, M. EM. Abid, and, M. M. Zabti
9. **Effective Parameters on Performance of Dual Pressure System Combined Cycle Power Plants**  
Hisham H. AlGraiw, Hussain A. Oheida, and Elhadi S. O. Nshid
10. **التحديات والمعوقات التي تواجه تطبيق الحكومة الالكترونية في الدول النامية**  
حنان صالح الحاجي ، عبدالحكيم مولود دنس