

Enclosure-IV-a-Students participation

1. **“AC conductivity studies on ion conducting blended polymer electrolyte (PMMA)_x - (PVDF)_{1-x}”,**
submitted by **S.SUVETHA, II MSc Physics, April 2015**
2. **“structural analysis of blended polymer electrolyte (PMMA)_x-(PVDF)_{1-x}”**
submitted by **R.PRATHIBA ,II MSc Physics, April 2015**
3. **“Development of new solid polymer electrolyte system with Magnesium Triflate (Mg₂CFO₃) as host salt ,Ethylene carbonate (EC) as plasticizer and Al₂O₃ as as filler”**
submitted by **C. SUGUNA, MPhil dissertation , September 2015**
4. **“Structural and AC impedance analysis on Magnesium ion conducting solid polymer electrolyte system containing EC as plasticizer and MgO as filler ”**
submitted by **C. ANJALAI, MPhil dissertation , September 2015**
5. **“Transference number measurement, cyclic voltammetry analysis and fabrication of solid-state battery using magnesium ion conducting polymer electrolyte “**
submitted by **N. A. JOTHI , MSc dissertation , March 2016**
6. **“Synthesis ,Structural and Electrical characterization analysis on magnesium ion conducting polymer electrolyte system with silicon dioxide as nanofiller”**
will be submitted by **V. Sakuntala ,MPhil dissertation , September 2016**

Enclosure-IV-b-Publications

1. **“AC Impedance Studies on Magnesium Ion Conducting Polymer Electrolyte System with Ethylene Carbonate as Plasticizer and MgO as Nanofiller”**
S. SAROJINI and C. ANJALAI, Chemical Science Transactions, 2016, 5(1), 56-60,
DOI:10.7598/cst2016.1154 ISSN:2278-3458.
2. **“Synthesis and Structural Characterization Studies on Solid Polymer Electrolyte System with Magnesium Triflate as Host Salt, EC as Plasticizer and MgO as Nanofiller”**
S. SAROJINI and C. ANJALAI, Chemical Science Transactions, 2016, 5(3),
DOI:10.7598/cst2016.1158