LIST OF PUBLICATIONS

1. “Ionic interactions and dielectric relaxation of PEO/PVdF-Mg [(CF$_3$SO$_2$)$_2$N$_2$)] blend electrolytes for magnesium ion rechargeable batteries”
   **R. Rathika** and S. Austin Suthanthiraraj
   *Macromolecular Research* 24 (2016) 422 - 428 [*Impact factor: 1.76*]

2. “Electrical conductivity and dielectric relaxation behaviour of PEO/PVdF - based solid polymer blend electrolytes for zinc battery applications”
   **R. Rathika**, O. Padmaraj and S. Austin Suthanthiraraj

3. “Low-cost tetra ethylene glycol derivatives in polymer blend electrolytes for dye-sensitized solar cells with high photovoltaic conversion efficiencies”
   S. Ganesan, Vinod Mathew, **R. Rathika**, B. Muthuraaman, P. Maruthamuthu, S. Austin Suthanthiraraj and Jaekook Kim

4. “Effect of ionic liquid 1-ethyl-3-methylimidazolium hydrogen sulfate on zinc-ion dynamics in PEO/PVdF blend gel polymer electrolytes”
   **R. Rathika** and S. Austin Suthanthiraraj

5. “Influence of 1-ethyl -3- methylimidazolium bis (trifluoromethyl sulfonyl) imide plasticization on zinc-ion conducting PEO/PVdF blend gel polymer electrolyte”
   **R. Rathika** and S. Austin Suthanthiraraj
6. “Influence of Fe$_2$O$_3$ nanofiller on the structural, thermal and electrical properties of PEO/PVdF blend based nanocomposite polymer electrolyte”

**R. Rathika** and **S. Austin Suthanthiraraj**

**Ionics (Under Review)**