LIST OF PUBLICATIONS

1. **S. Muthu Prabhu** and S. Meenakshi
   A dendrimer like hyper branched polyamidoamine functionalized chitosan beads toward fluoride adsorption from water

2. **S. Muthu Prabhu** and S. Meenakshi
   Novel one-pot synthesis of dicarboxylic acids mediated alginate-zirconium biopolymeric complex for defluoridation of water

3. **S. Muthu Prabhu** and S. Meenakshi
   Chemistry of defluoridation by one-pot synthesized dicarboxylic acids mediated polyacrylamide - zirconium complex

4. **S. Muthu Prabhu** and S. Meenakshi
   Defluoridation of water using synthesized Zr(IV) encapsulated silica gel/chitosan biocomposite: Adsorption isotherms and kinetic studies

5. **S. Muthu Prabhu** and S. Meenakshi
   Synthesis of surface coated hydroxyapatite powders for fluoride removal from aqueous solution

   Defluoridation of water using chitosan assisted ethylenediamine functionalized polymeric blends

7. **S. Muthu Prabhu** and S. Meenakshi
   Preparation and characterization of metal ion loaded silica gel/chitosan biocomposite and its application towards defluoridation of water

8. **S. Muthu Prabhu** and S. Meenakshi
   Enriched fluoride sorption using chitosan supported mixed metal oxides beads: Synthesis, characterization and mechanism
9. **S. Muthu Prabhu** and S. Meenakshi
Effect of metal ions loaded onto iminodiacetic acid functionalized cation exchange resin for selective fluoride removal
Desalination and Water Treatment, 52 (2014) 2527-2536. (Impact Factor: 1.173)

10. **N. Viswanathan, S. Muthu Prabhu** and S. Meenakshi
Development of amine functionalized co-polymeric resins for selective fluoride sorption

**Research Publications Communicated**

11. **S. Muthu Prabhu** and S. Meenakshi
A superficial one-pot *in-situ* greener method for the synthesis of aluminum and lanthanum mixed oxyhydroxides in chitosan template for defluoridation of water
Chemical Engineering Journal – Revision Submitted

12. **S. Muthu Prabhu** and S. Meenakshi
*In-situ* interaction of graphene oxide-zirconium complex under dicarboxylic acid medium for fluoride adsorption from aqueous solution

13. **S. Muthu Prabhu** and S. Meenakshi
Chitosan supported lanthanum modified iminodiacetic acid functionalized macroporous polystyrene resin blends for fluoride adsorption studies
Journal of Colloid and Interface Science – Under Review

14. **S. Muthu Prabhu** and S. Meenakshi
Synthesis of millimeter sized chitosan-polyaniline/zirconium biopolymeric complex under oxalic acid medium for defluoridation studies
Carbohydrate Polymers – Under Review

15. **S. Muthu Prabhu** and S. Meenakshi
Simultaneously adsorption of fluoride and chromium onto one-pot synthesized mixed metal oxyhydroxides in chitosan template for defluoridation of water
International Journal of Biological Macromolecules – Under Review

16. **S. Muthu Prabhu** and S. Meenakshi
Cationic surfactants modified one-pot synthesized polyacrylamide zirconium phosphate-hydroxyapatite hybrid composite for adsorption of fluoride
Chemical Engineering Journal – Under Review