

{(PEI/PSS)₇, 0.02 M, 0.5 M NaCl, pH 5.9} was studied by salt etching using NaCl (0-5 M). The multilayers were quite resistant to higher salt concentrations. Desorption of phosphate from the membranes were successfully carried out using CaCl₂ (76%) and CaNO₃ (89%). A comparison of simple adsorption and ultrafiltration techniques for selective recovery of phosphate were carried out.

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2. Disha V.J., Akhil G., Aravindakumar C. T., and Aravind U. K. pH switchable driving forces on polyelectrolyte multilayer buildup. (under revision in *Langmuir*)
3. Disha V.J., Aravindakumar C. T., and Aravind U. K. Surface coated microfiltration membrane in phosphate removal. (under preparation)

In Conference Proceedings

1. Disha V.J., Aravindakumar C. T., and Aravind U. K. Recovery of phosphate from laundry wastewater using polyelectrolyte multilayer membrane: Proceedings of 23rd Swadeshi Science congress (Nov. 6-8, 2013), Kottayam, p 436.
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