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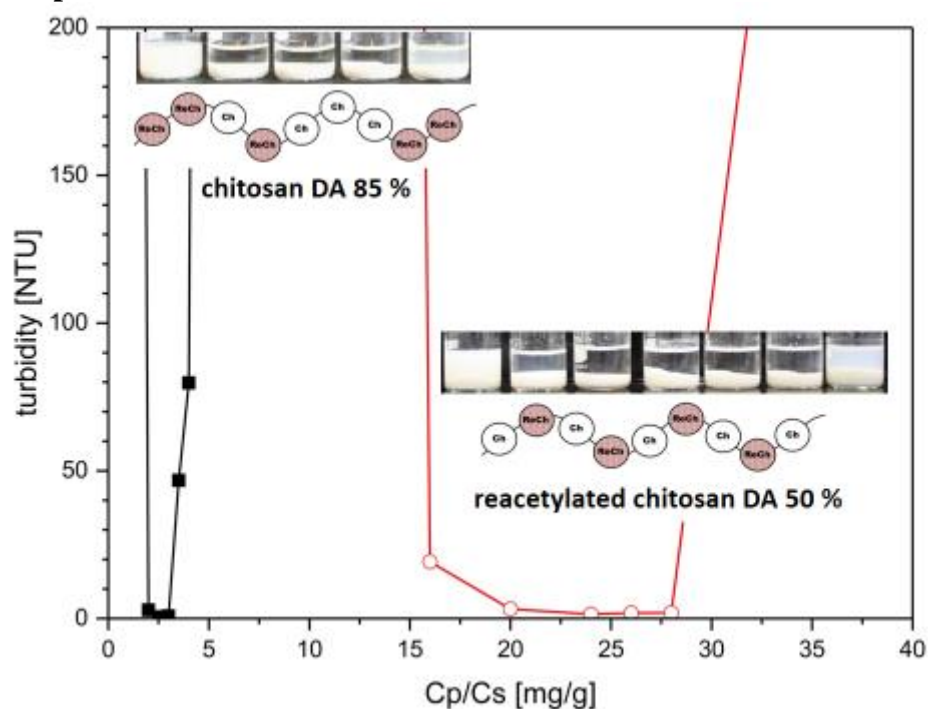
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Graphical abstract**Highlights**

Chitosan reacylated is water soluble,
the flocculation results show big floc sizes and a broad flocculation range
chitosan is soluble until pH 6,7 but it is a flocculant even in basic pH ranges until pH 10

Abstract

In this work, the flocculation efficiency of reacylated chitosan were compared with those of commercially available chitosan. The flocculation properties were investigated in dispersion of clay by means of turbidity measurements, colloid titration and measurements of the floc size. Reacylated chitosan dissolves in deionized water without any additives and exhibits good flocculation properties like a wider flocculation window but a higher amount of

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