

Study of Natural Bio-Coagulants Moringa Oleifera and Cicer Arietinum for the Purification of Waste Water

P. D. Joshi¹ and V.R Jadhavar²

Department of Chemistry

K.E.S A.P. Science College Nagothane, Maharashtra^{1,2}

poonammuddebihalkar@gmail.com and vilasjadhavar1974@gmail.com

Abstract: *Water is the most vital parameter among natural resources. Turbidity impart enormous problem in waste water treatment. In this present study, an attempt has made to evaluate the comparative effectiveness of chemical coagulant alum with natural coagulant such as Moringa Oleifera & Cicer Arietinum seed powder & oil extract. The pH, COD, BOD & turbidity was determined in treated sample of coagulant & maximum reduction efficiency was found in combined use of Moringa Oleifera & Cicer Arietinum seeds. As a result, it shows that the seed extracted powder of Moringa Oleifera and Cicer Arietinum removes the turbidity of water by nearly 96.5 to 98.3%. Moringa Oleifera and Cicer Arietinum seeds are very common & can easily available in nature and having low cost. Hence it was very cheap & every person can prepare it in their own at home in any village and can be used for the purification of water.*

Keywords: Moringa Oleifera & Cicer Arietinum seeds, Waste water, Turbidity, Natural bio coagulants, etc.

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