

Wastewater Treatment Using Natural Coagulant

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Abstract: *Waste water treatment is essential for environmental sustainability and public health. Traditional chemicals coagulants like alum and ferric chloride are effective but can be costly and May have adverse environmental impacts. This study explores The Natural use of coagulants such as moringa oleifera, cactus, mucilage, chitosan and tannin - based extracta as Eco-friendly Alternatives for wastewater treatment, these natural coagulant help in turbidity removal. Sedimentation and pollutants reduction while begin biodegradable and non -toxic the results indicate that natural coagulant can effectively improve water Quality, reduce slduge production, and minimize chemical dependency. This approach promotes sustainable. Cost effective And green wastewater treatment solutions. Making it ideal for rural and Urban water purification systems.*

Keywords: Water purification, Moringa seeds, Antimicrobial activity, Eco-friendly treatment, River water

