



Photocatalytic Waste Water Treatment by Using Biocl Nanoparticles as a Photocatalyst

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Abstract:

Electrolytic technology is an essential and significant discipline in many sectors of wastewater treatment. It may include clean synthesis, monitoring of removal efficiency of contaminants, water sterilization, and clean energy conversion. Electrolysis has significant advantages because of its simple equipment. It is a convenient operation and there is no requirement of chemical substances for the sedimentation and floc generation. By using this technique Organic contaminants are reduced to non-hazardous inorganic substances. Among various electrolytic processes, the electrolysis using catalyst BiOCl seems to be the best because it is a technically simple, with no use of chemicals, which are of high cost in comparison to the electrodes. The technology has potential for wastewater management where surface water or groundwater is normally polluted. The research work should be focused on quantifying the interactions between electrolytic processes and their feasibility in terms of the development of advanced electrode materials, developing the more refined and optimal design for electrolytic reactors, energy consumption and the economy so that the technology can be an operative, low cost and environmentally friendly alternate process for the removal of various unmanageable contaminants from wastewater. Such technology can be helpful in reusing /treatment of the wastewater for producing



high quality water at a reasonable price.

Biography:

Muhammad Sagir is an Assistant Professor in University of Gujarat he is dealing with the Chemical Engineering Subjects.

References:

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