

## عنوان مقاله:

Quality Assessment of Wastewater of Poddar Rubber Industries in Guwahati District, Assam, India

## محل انتشار:

نخستین کنفرانس بین المللی استراتژی های شهر هوشمند و محیط زیست هوشمند (سال: 1396)

تعداد صفحات اصل مقاله: 13

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## خلاصه مقاله:

The appropriate situations and growing status are converting the Assam state into one of the biggest plastic and rubber makers in the country of India. The quick progress in making of rubber and plastic materials production based ventures has come about because of the fast economical development of the State. In spite of the economic advantages, the rubber industry creates vast amounts of wastewater amid the different phases of preparing. The creation processes and construction of rubber items engender genuine water contamination issues tangibly. Sheer volume transfers of wastewater into surface and ground water frequently make the water valuable assets harm. Surface resources of water assets are the best casualties because of the profluent effluent of rubber material processing businesses. The available review is expected to measure the weakening of surface water quality and its subsequent effects because of the existence of Poddar rubber industries inside the study area. The main reasons of the weakening of the surface water quality are because of the high concentration of BOD (Biological Oxygen Demand), SS (Suspended Solid) and N (Nitrogen). The diverse degrees use of corrosive acid in different segments of rubber factory are likewise in charge of pH changes and creating acidic wastewater. This research is an endeavor to compensate the water contamination issues in the modern production line of Poddar industrial factory.

## کلمات کلیدی:

surface water, qualitative characteristics, industrial wastewater contamination, rubber making processes, Poddar factory

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