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Evaluation of the Presence of Emerging Pollutants "Ibuprofen" from Water Resources, as a Strategy Oriented to Sustainable Development

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Abstract : Population growth, agribusiness development and daily activities that we develop as a society, involves generating alterations to our environment and surroundings. Currently, there is a growing interest in the emerging contaminants (EC), as they are composed of different origin and chemical nature, whose presence in the environment, or the possible consequences thereof, have not been studied, causing environmental problems, health and ecosystems risks. Some reviews give a strategy to solve the problem of dumping of these pollutants specifically "Ibuprofen" having a high rate of consumption worldwide because it has no restrictions on the sale.

Today, there is no policy to control these pollutants, and implementations of monitoring technologies are expensive because the concentration levels are very low and are difficult to stop. Its adverse effects on aquatic life, animals and humans are a growing concern. This article reviews recent studies on the properties, sources, fate and effects of these pollutants. Finally, it gives the suggestion and the risk management to control in a sustainably way these products from a clean development mechanism in relation to the creation and enforcement of environmental regulations.

Keywords: Emerging Pollutants, Sustainable Development, Ibuprofen, Environmental Impact, Treatment.