



Management of Food Wastes in the Global Economy as Potential Biosorbents

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Abstract

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Keywords: food waste, biosorbents, global economy, management, potential

Introduction

The management of food waste is a significant challenge for the global economy. Food waste is a major source of organic carbon and energy, and its proper disposal is essential for environmental sustainability. In recent years, there has been a growing interest in the use of food waste as a source of biosorbents. Biosorbents are natural materials that have the ability to adsorb and remove pollutants from water and soil. They are often derived from agricultural and industrial waste products, and they offer a cost-effective and environmentally friendly alternative to traditional synthetic sorbents. The use of food waste as biosorbents can help reduce the environmental impact of food waste disposal and provide a sustainable source of sorbents for various applications. This review article discusses the potential of food waste as biosorbents and explores the various factors that influence their effectiveness. It also discusses the different methods used to extract and modify food waste biosorbents, and the various applications of these materials in water and soil remediation. The article concludes by highlighting the need for further research and development in this field to fully realize the potential of food waste as a sustainable source of biosorbents.

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