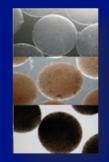
TECHNOLOGY OFFER



REMOVAL OF HEAVY METALS FROM WASTEWATER BY USING BIOSORBENTS

The removal of heavy metals present in wastewater from certain industrial processes, such as the treatment of skin or surfaces, is a costly process for companies. Those companies have been forced to use non-biodegradable materials and reagents. This technology consists in the removal of metals from wastewater using wastes from agro-industries. These wastes are low cost materials that can be used as sorbents. The removal of heavy metals can be cheaper and sustainable.



TECHNOLOGY DESCRIPTION

The technology involves a method for removing heavy metals from wastewater such as chromium (VI), cadmium, nickel or lead. The removal of metals is achieved by adsorption of metal ions on the surface of the sorbent materials. Sorbent materials are wastes from food processing industries, such as coffee grounds, cork or stone oil, and that this new use can value them.

APPLICATION AND TARGET MARKET

This technology is aiming to the main industrial sectors, such as textile, metallic surface recovering, chemical industry, etc., which need a water treatment in order to reduce heavy metals such as chromium VI, cadmium, or lead.

COMPETITIVE ADVANTAGES

- Low cost technology.
- Abundance of raw materials.
- Sustainable method.

TIME-TO-MARKET

The Technology is ready to be tested in a real scale proof.

DEAL SOUGHT

License agreement

Development Agreement

RESEARCH GROUP

Metals and Environment (MIMA)

http://www.udg.edu/tabid/ 10847/language/ca-ES/Default.aspx

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