

Valorization of Argan Residuals for the Treatment of Industrial Effluents

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Abstract : The aim of this study was to recover a natural residue in the form of activated carbon prepared from Moroccan "argan pits and date pits" plant waste. After preparing the raw material for manufacture, the carbon was carbonised at 300°C and chemically activated with phosphoric acid of purity 85. The various characterisation results (moisture and ash content, specific surface area, pore volume, etc.) showed that the carbons obtained are comparable to those manufactured industrially and could therefore be tested, for example, in water treatment processes and especially for the depollution of effluents used in the agri-food and textile industries.

Keywords : activated carbon, water treatment, adsorption, argan

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