

NEW METHOD FOR PRODUCING HIGHLY SELECTIVE SENSORS OF SUBSTANCES OF BIOCHEMICAL, FOOD AND ENVIRONMENTAL INTEREST

 TECNOLOGIA PATENTADA

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RESUM

The research group 'Electrocatalysis and Polymer Electrochemistry' of the Department of Physical Chemistry at the University of Alicante has developed a new procedure that allows to make highly selective biomimetic electrodes to detect any substance with biochemical, food or environmental interest.

The method is based on electro-assisted deposit of layers of molecularly imprinted silica on various electrodes. This allows quick and efficient detection of the molecule of interest, independently of the other interferences. It also allows the regeneration of the electrode in a very simple way, which could be used almost unlimited. The research group looks for companies interested in acquiring this technology for commercial exploitation.