

# Turkish Journal of Chemistry

Turkish Journal

Electrocatalytic Properties of Platinum Doped Polyaniline and Polypyrrole Electrodes

of

Chemistry

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**Abstract:** This review paper aims to show how the electrochemical behaviour of polyaniline (PANI) and polypyrrole (PPy) electrodes modified by platinum help to improve the oxidation of organic molecules such as methanol, ethylene glycol and glucose. Although the amount of platinum deposited was very small, i.e.,  $0.1 \text{ mg.cm}^{-2}$ , the catalytic activity obtained was comparable to bulk platinum. Another notable point is the reduction of the poisoning effect, which is the main problem faced in the electrooxidation of organic molecules for fuel cell applications.

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Turk. J. Chem., **22**, (1998), 91-96.

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