

## **Porphyrazine film for use in electrochemical sensor**

### **Abstract:**

A water soluble N,N',N'',N'''-tetramethyltetra-3,4-pyridinoporphyrazine complex containing cobalt cation (II) as a central atom was used like a mediator for preparation of electrochemical sensor. Such effects on a sensor function like an electrode carrier material, the manner of porphyrazine deposition, pH and thickness of the layer, were studied by cyclic voltammetry method. The sensor was tested for hydrogen detection in water buffer solution consequently.