

Contents

	page
<i>K. Vytřas and I. Švancara</i> Carbon paste-based ion-selective electrodes	7
<i>A. Bobrowski</i> Review of electrochemical studies of copper complexes with dioximes and their analytical application	23
<i>I. Švancara, L. Baldrianová, E. Tesařová, M. Vlček, K. Vytřas and S. Sotiropoulos</i> Microscopic studies with bismuth-modified carbon paste electrodes: Morphological transformations of bismuth microstructures and related observations	35
<i>L. Baldrianová, I. Švancara, K. Vytřas and S. Sotiropoulos</i> Variation of the metal analyte-to-bismuth peak ratio with deposition time in anodic stripping voltammetry at <i>in-situ</i> bismuth-coated carbon paste electrodes	59
<i>V. Guzsvány, M. Kádár, F. Gáál, L. Bjelica and K. Tóth</i> Cathodic electrochemical application of bismuth film electrode: Determination of Thiamethoxam insecticide	75
<i>J. Vacek, L. Havran and M. Fojta</i> An electrochemical study of cysteine-cadmium interaction. Application of cysteine-modified carbon paste electrode	85
<i>M. Galík, A. Banica, K. Vytřas, I. Švancara and F. G. Banica</i> Homocysteine electrochemistry at a mercury electrode in the presence of nickel ions	95
<i>V. Vyskočil, I. Jiránek, J. Barek, K. Pecková and J. Zima</i> Are mercury electrodes still useful sensors? Polarographic and voltammetric determination of polarographically reducible environmental carcinogens	105
<i>J. Barek, A. Daňhel, J. Fischer, I. Jiránek, J. Musilová, K. Pecková and J. Zima</i> Voltammetric determination of ecotoxic compounds using non-traditional electrode materials	121
<i>P. Kapturski and A. Bobrowski</i> Constant-current anodic stripping potentiometry at silver amalgam film electrode of prolonged application	131
<i>J. Zima, Z. Pekařová, J. Barek and I. Švancara</i> Possibilities and limitations of carbon paste electrodes in electroanalysis of pharmaceuticals. Voltammetric determination of Methotrexate	141

A. T. Babec, M. Kádár, K. Tóth and I. Bitter

Nafion-calixarene composite film-modified glassy carbon electrode for adsorptive stripping voltammetry

159

R. Metelka, M. Stočes, J. Krejčí, M. Bartoš, I. Švancara, P. Kotzian and K. Vytřas

Development and characterization of new types of screen-printed bismuth-based sensors

169

P. Kotzian, P. Brázdilová, K. Kalcher and K. Vytřas

Mediators of electron transfer in amperometric enzyme biosensors

181

I. Pešková, M. Hrubeš, L. Červenka, J. Vytřasová and K. Vytřas

A study of the amperometric method for *Salmonella Enteritidis* detection using carbon paste electrode

201

K. Pecková, J. Barek, K. Čížek, I. Jiránek and J. Zima

Amperometric determination of genotoxic substances in flowing systems using novel electrode materials

209

Á. Colina, V. Ruiz, A. Heras and J. López-Palacios

A spectroelectrochemical approach to resolve and characterise individual components in conducting polymer blends generated during potentiodynamic oxidation

217

M. Galík, K. Vytřas, I. Švancara and F. G. Banica

Electrochemical generation and investigation of metal sulfides using thiourea as starting material

233