

TABLE OF CONTENTS

Volume 3 Number 8

August 2012

Analytical Expressions for Steady-State Concentrations of Substrate and Product in an Amperometric Biosensor with the Substrate Inhibition—The Adomian Decomposition Method

A. Anitha, S. Loghambal, L. Rajendran.....495

Simultaneous Quantification of Ibuprofen and Paracetamol in Tablet Formulations Using Transmission Fourier Transform Infrared Spectroscopy

M. A. Mallah, S. T. H. Sherazi, S. A. Mahesar, A. R. Khaskheli.....503

Synthesis and Characterization of KFeP₂O₇ Nanoparticles Implanted in Silica

E. O. Regil, E. O. Regil, N. G. González, S. R. Barocio.....512

Interaction of N-(2-Methyl Thiophenyl)-2-Hydroxy-1-Naphthalimine with Tin Dioxide Nanoparticles: A Spectroscopic Approach

S. R. Jayaprakash, R. Veerabahu.....518

Evaluation of a Dry Extract System Involving NIR Spectroscopy (DESIR) for Rapid Assessment of Pesticide Contamination of Fruit Surfaces

U. K. Acharya, P. P. Subedi, K. B. Walsh.....524

PMMA Polymer Membrane-Based Single Cylindrical Submicron Pores: Electrical Characterization and Investigation of Their Applicability in Resistive-Pulse Biomolecule Detection

S. Achenbach, M. Hashemi, B. Moazed, D. Klymyshyn.....534

A Stability Indicating HPLC Method for Dronedarone in Bulk Drugs and Pharmaceutical Dosage Forms

N. Tondepu, S. S. Sait, K. V. Surendranath, R. K. Kaja, S. Kumar.....544

Development and Validation of a Method to Quantify Midazolam in a New Oral Formulation for Pediatric Use

C. F. Pérez, J. L. C. Pacheco, J. F. Pérez, H. J. Olguín, B. R. Mendiola, R. G. Álvarez, J. F. G. Zamora, Á. C. Guerra.....552

Simultaneous Determination of Atorvastatin and Glimepiride by LC-MS/MS in Human Plasma and Its Application to a Pharmacokinetic Study

K. K. Hotha, N. R. Yarramu, T. Kandibedala, V. B. Dasari, V. Vobalaboina.....559

Extraction Method and Determination of Sudan I Present in Sunset Yellow FCF by Isocratic High-Performance Liquid Chromatography

C. Tatebe, T. Ohtsuki, N. Otsuki, H. Kubota, K. Sato, H. Akiyama, Y. Kawamura.....570

Chemically Modified Carbon Paste Electrode for Determination of Cesium Ion by Potentiometric Method

R. F. Aglan, G. G. Mohamed, H. A. Mohamed.....576

Evaluation of Pesticide Residues in Human Blood Samples of Agro Professionals and Non-Agro Professionals

Y. Latif, S. T. H. Sherazi, M. I. Bhanger, S. Nizamani.....587

A Sensitive HPLC-MS/MS Analysis of Dencichine in Rat Plasma and Its Application to Pharmacokinetics

C. Qian, Y. J. Yuan, X. J. He, J. Liu, Q. Shao, H. Wu, H. Q. Qiao.....596

Adsorption and Leaching Potential of Imidacloprid Pesticide through Alluvial Soil

M. A. Bajeer, S. M. Nizamani, S. T. H. Sherazi, M. I. Bhanger.....604

The figure on the front cover is from the article published in American Journal of Analytical Chemistry, 2012, Vol. 3, No. 8, pp. 534-543 by Sven Achenbach, *et al.*