

Contents of Volume 64

Vol. 64 No. 1

Redox behaviour of cysteine in the presence of ammonium trioxovanadate(V) S. Çakır and E. Biçer	1
Imidazole facilitates electron transfer from organic reductants B.H. Kipp, C. Faraj, G. Li and D. Njus	7
The demonstration of an enhanced microelectrochemical transistor for measurements in neutral solution at low analyte concentration Y. Astier and P.N. Bartlett	15
Electrochemical investigation of the chloride effect on hemoglobin Y. Sun, X. Liu, C. Fan, W. Zhang and G. Li	23
Study of salt permeation process into <i>Vigna angularis</i> using Ag/AgCl electrodes (Short Communication) S. Sasaki, K. Yokota and N. Hanagata	29
A study on bovine erythrocyte superoxide dismutase by controlled potential electrolysis and Raman spectra Z.-L. Wang, Q.-H. Luo, W. Qian and M.-C. Shen	33
Modelling the internal field distribution in human erythrocytes exposed to MW radiation J.L. Sebastián, S. Muñoz San Martín, M. Sancho and J.M. Miranda	39
Phenols monitoring and Hill coefficient evaluation using tyrosinase-based amperometric biosensors S.E. Stanca and I.C. Popescu	47
The measurement of alkaline phosphatase at nanomolar concentration within 70 s using a disposable microelectrochemical transistor Y. Astier and P.N. Bartlett	53
An amperometric nitrate reductase–phenosafranin electrode: kinetic aspects and analytical applications N.F. Ferreyra and V.M. Solís	61
Electrocatalytic oxidation of ascorbate by heme-Fe ^{III} /heme-Fe ^{II} redox couple of the HRP and its effect on the electrochemical behaviour of an L-lactate biosensor S. Ledru and M. Boujtita	71
Oxidative dissolution of chalcopyrite by <i>Acidithiobacillus ferrooxidans</i> analyzed by electrochemical impedance spectroscopy and atomic force microscopy D. Bevilacqua, I. Diéz-Perez, C.S. Fugivara, F. Sanz, A.V. Benedetti and O. Garcia Jr.	79
DNA sensor for <i>o</i> -dianisidine J. Jasnowska, M. Ligaj, B. Stupnicka and M. Filipiak	85
Studies on electrochemical oxidation of azithromycin and its interaction with bovine serum albumin Y. Wu, X. Ji and S. Hu	91
Voltammetric analysis of drugs N. Abo El-Maali	99
Simultaneous determination of charge number and diffusion coefficient of 2-chloro-1,4-dimethoxybenzene in acetonitrile using potential-step chronoamperometry (Short Communication) S.-y. Kishioka and A. Yamada	109

Vol. 64 No. 2

Techniques of signal generation required for electroporabilization. Survey of electroporabilization devices M. Puc, S. Čorović, K. Flisar, M. Petkovšek, J. Nastran and D. Miklavčič	113
Electrochemical investigation of the dynamics of <i>Mycobacterium smegmatis</i> cells' transformation to dormant, nonculturable form B.A. Kuznetsov, M.E. Davydova, M.O. Shleeva, S.V. Shleev, A.S. Kaprelyants and A.I. Yaropolov	125
Electrochemical study of quercetin–DNA interactions: Part I. Analysis in incubated solutions A.M. Oliveira-Brett and V.C. Dicuilescu	133

Electrochemical study of quercetin–DNA interactions: Part II. In situ sensing with DNA biosensors A.M. Oliveira-Brett and V.C. Diculescu	143
Static and 50 Hz magnetic fields of 0.35 and 2.45 mT have no effect on the growth of <i>Saccharomyces cerevisiae</i> M.J. Ruiz-Gómez, M.I. Prieto-Barcia, E. Ristori-Bogajo and M. Martínez-Morillo	151
A comparison between the use of a redox mediator in solution and of surface modified electrodes in the electrocatalytic oxidation of nicotinamide adenine dinucleotide R. Antiochia, I. Lavagnini, P. Pastore and F. Magno	157
Author Index to Volume 64	I
Subject Index to Volume 64	II
Contents of Volume 64	V

The publisher encourages the submission of articles in electronic form thus saving time and avoiding rekeying errors. Please refer to the online version of the Guide for Authors at <http://www.elsevier.com/locate/bioelechem>