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Tome 58, N^{os} 7-8

Juillet-Août 2013

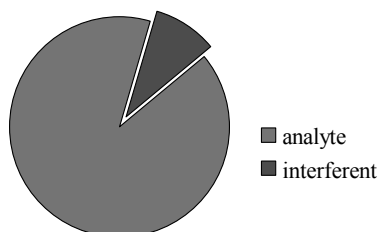
International conference on analytical chemistry (RO-ICAC 2012)

Rev. Roum. Chim., 2013, 58(7-8), 567-568

PAPERS

Tatjana VERBIĆ, Zsanett DORKÓ and
George HORVAI

Selectivity in analytical chemistry

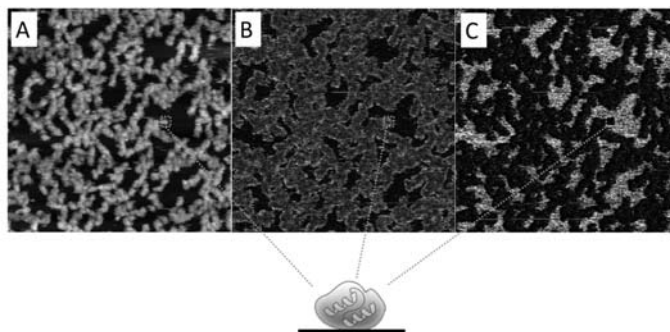


Rev. Roum. Chim., 2013, 58(7-8), 569-575

Key words: analytical chemistry, selectivity, specificity, interferences.

Peter SCHÖN, Maria GOSA and
G. Julius VANC SO

Nanoscale mechanical properties of single
biomolecules by AFM

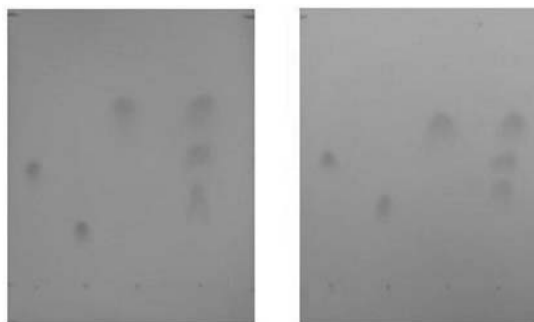


Rev. Roum. Chim., 2013, 58(7-8), 577-583

Key words: atomic force microscopy, nanoscale mechanical properties, multifrequency AFM, pulsed force, elastic modulus.

Imran ALI, Afzal HUSSAIN,
Kishwar SALEEM and
Hassan Y. ABOUL-ENEIN

Separation and identification of antidepressant
drugs in human plasma by SPE-TLC method



Rev. Roum. Chim., 2013, 58(7-8), 585-590

Key words: fluvoxamine maleate, paroxetine, sertraline, TLC, SPE, plasma, bioanalysis.

**Carmen Cristina ELEKES and
Gabriela BUSUIOC**

Influence of chemical composition of soil
on metal accumulation in edible mushroom
species of *Russula* genus

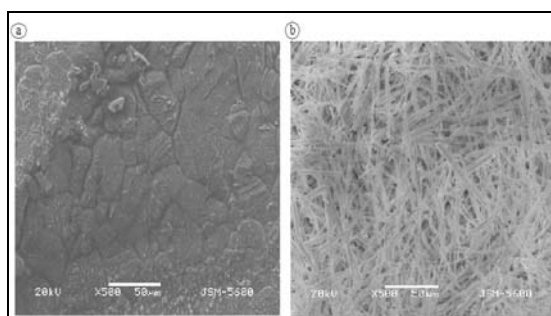


Key words: edible mushrooms, trace elements, bioaccumulation, chemical composition of soil.

Rev. Roum. Chim., 2013, 58(7-8), 629-637

Nurgul KARADAS and Ahmet AKBAŞ

Inhibition effect of berberine on the corrosion
of copper in acidic medium

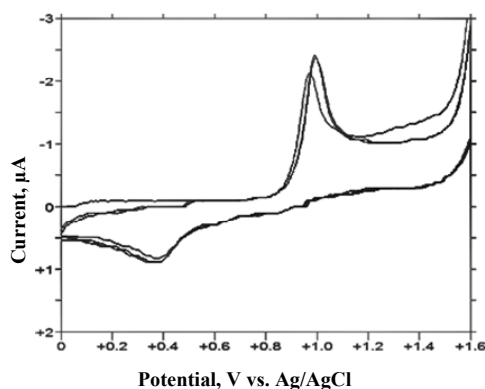


Key words: corrosion inhibitors, copper, potentiodynamic polarization, electrochemical impedance spectroscopy (EIS).

Rev. Roum. Chim., 2013, 58(7-8), 639-645

**Burcin BOZAL-PALABIYIK, Sevinc
KURBANOGLU, Mehmet GUMUSTAS,
Bengi USLU and Sibel A. OZKAN**

Electrochemical approach for the sensitive
determination of anticancer drug epirubicin
in pharmaceuticals in the presence of anionic
surfactant

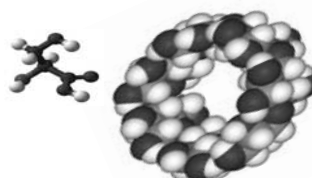


Key words: epirubicin, boron-doped diamond electrode, voltammetry, surfactant, oxidation mechanism.

Rev. Roum. Chim., 2013, 58(7-8), 647-658

**Raluca-Ioana STEFAN-VAN STADEN,
R'afat M. NEJEM and
Jacobus F. VAN STADEN**

Enantioselective, potentiometric membrane
electrodes based on cyclodextrins for the assay
of glyceric acid in urine and serum samples

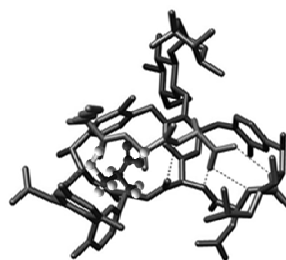


Key words: enantioselective, potentiometric membrane electrodes;
L(D)-glyceric acid; α -, β -, γ -cyclodextrins;
2-hydroxy-3-trimethylammonio-propyl- β -cyclodextrin.

Rev. Roum. Chim., 2013, 58(7-8), 659-665

Raluca-Ioana STEFAN-VAN STADEN and Luxolo HOLO

Vancomycin and teicoplanin based enantioselective, potentiometric membrane electrodes for the assay of L-cysteine

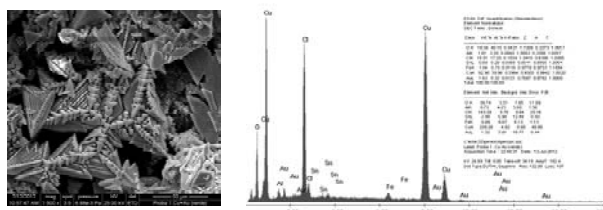


Rev. Roum. Chim., 2013, 58(7-8), 667-671

Key words: enantioanalysis, L-cysteine.

Mariana Nela ȘTEFĂNUȚ, Zoltan ŪRMŐSI, Adina CĂȚA, Paula ȘFÎRLOAGĂ and Cristian TĂNASIE

Studies for gold and silver recovery from waste electronic equipment

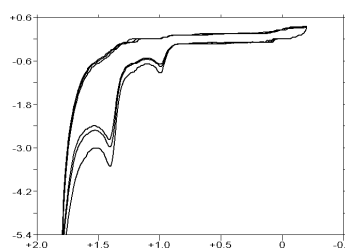


Rev. Roum. Chim., 2013, 58(7-8), 673-678

Key words: electronic wastes, precious metals, AAS, SEM, electrodeposition.

Mehmet GUMUSTAS, Nurgul KARADAS and Sibel A. OZKAN

Validated electroanalytical and RP-LC assay of ertapenem in its pharmaceutical dosage form

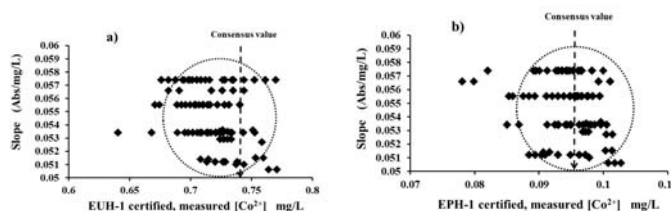


Rev. Roum. Chim., 2013, 58(7-8), 679-690

Key words: ertapenem, boron doped diamond, voltammetry, chromatography, pharmaceutical dosage form.

Jens E.T. ANDERSEN and Haedar S.H. ALFALOJE

Pooled calibrations and retainment of outliers improved chemical analysis

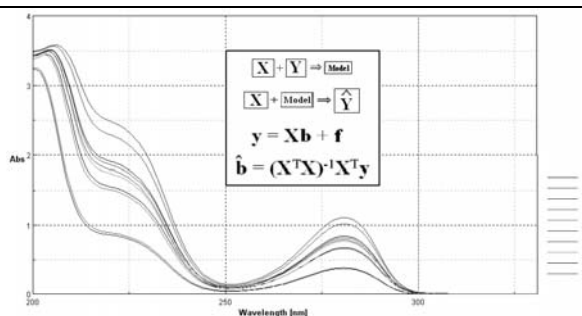


Rev. Roum. Chim., 2013, 58(7-8), 691-703

Key words: quality assurance, ICP-MS, validation, uncertainty, metrology.

Ioana Anamaria SIMA, Rodica Domnica NAȘCU-BRICIU and Costel SĂRBU

Simultaneous determination of levodopa and carbidopa in pharmaceuticals by principal component regression

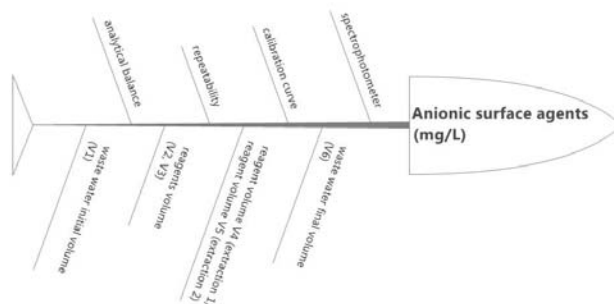


Rev. Roum. Chim., 2013, 58(7-8), 705-710

Key words: levodopa, carbidopa, experimental design, multivariate analysis, PCR, UV spectroscopy.

**Camelia DRAGHICI, Domnica COMAN,
Mihaela SICA and Carmen DIMA**

Method validation and uncertainty estimation for anionic surfactants determination from municipal wastewaters

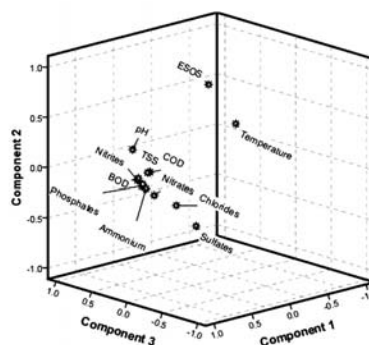


Key words: method validation, uncertainty estimation, anionic surfactants, municipal wastewaters.

Rev. Roum. Chim., 2013, 58(7-8), 711-716

Ştefania IORDACHE and Daniel DUNEA

Multivariate analysis applied to physicochemical parameters of treated wastewater effluents discharged in Teleajen River



Key words: wastewater effluent, physicochemical parameters, multivariate analysis.

Rev. Roum. Chim., 2013, 58(7-8), 717-723

