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NARATRIPTAN: VOLTAMMETRIC BEHAVIOUR AND ANALYTICAL APPLICATIONS

C. Velasco-Aguirre, A. Álvarez-Lueje

PAT -16

Electrochemically determination and behavior investigation of Tryptophan (Trp) and 5-Hydroxytryptophan (5-HTP) at graphite electrode modified with nanodiamond/graphite

S. Shahrokhian , M. Bayat

PAT -17

TOWARDS THE DEVELOPMENT OF AN APTAMER-BASED BIOSENSOR FOR LABEL-FREE IMPEDANCE DETECTION OF OKADAIC ACID

B. Prieto-Simón, T. Kato, I. Karube, C. Sporer, J. Samitier

PAT -18

PROTEIN DETECTION USING GOLD NANOPARTICLES AS LABELS AND ELECTROCHEMICAL SENSING ROUTES

A. de la Escosura-Muñiz, M. Maltez-da Costa, C. Parolo, A. Merkoçi

PAT -19

SIMULTANEOUS VOLTAMMETRIC DETERMINATION OF TRAMADOL AND ACETAMINOPHEN USING CARBON NANOPARTICLES MODIFIED GLASSY CARBON ELECTRODE

F. Ghorbani-Bidkorbeh, S. Shahrokhian, A. Mohammadi, R. Dinarvand

PAT -20

AMPEROMETRIC GLUCOSE MICROSENSORS WITH POLYSILOXANE DIFFUSION MEMBRANE

I. Burdallo, M. Díaz-González, C. Jimenez-Jorquera, A. Baldi

PAT -21

AN ELECTROCHEMICAL ASSAY COUPLED TO MAGNETIC BEADS FOR THE DETECTION OF A TUMOR MARKER IN SERUM

Q.A.M. Al-Khafaji, S. Tombelli, S. Laschi, N.A.M. Mohammed, G. Marrazza, M. Mascini

PAT -22

NEW POSIBILITIES IN LABELLING OF DNA FOR ELECTROCHEMICAL ANALYSIS

L. Havran, P. Horáková, H. Pivoňková, M. Vrábel, H. Macíčková-Cahová, J. Riedl, M. Hocek, M. Fojta

PAT -23

CURRENT PROGRESS IN DNA AND PROTEIN OSMIUM LABELING

P. Kostečka, M. Bittová, I. Salajková, P. Horáková, L. Havran, M. Fojta

PAT -24

SIMULTANEOUS VOLTAMMETRIC DETERMINATION OF LEVODOPA, CARBIDOPA AND BENSERAZIDE IN PHARMACEUTICALS USING MULTIVARIATE CALIBRATION

C. Zapata-Urzúa, M. Pérez-Ortiz, M. Orellana, M. Bravo, A. Álvarez-Lueje

PAT -25

VOLTAMMETRIC STUDY OF ATOMOXETINE AND ITS DETERMINATION USING MULTI-WALLED CARBON NANOTUBES MODIFIED GLASSY CARBON ELECTRODES

M. Pérez-Ortiz, C. Zapata-Urzúa, S. Bollo-Dragnic, A. Álvarez-Lueje

Prof. Georges G. Guilbault Memorial Symposium

"Biological and biomimetic receptors for electrochemical devices"

PLENARY LECTURE:

PL-3

ELECTROANALYTICAL APPLICATIONS OF NANOSTRUCTURES

I. Willner

KEYNOTE LECTURES

KN5

ENZYME-AMPLIFIED BIOAFFINITY ELECTRODES: FROM FUNDAMENTAL STUDIES TO THE ELABORATION OF HIGHLY SENSITIVE ANALYTICAL DEVICES

Benoit Limoges

KN6

APTAMERS – MOLECULAR TOOLS WITH A SHINING FUTURE?

Ciara K. O' Sullivan

ORAL COMMUNICATIONS

WE1/1

INTEGRATION OF ENZYMES FOR BIOELCTROCATALYTIC DEVICES

U. Wollenberger, F. Scheller, R. Spricigo, S. Frasca, K. Lettau, A. Badalyan, L. Peng, S. Leimkühler

WE1/2

NON-TRADITIONAL IMMOBILIZATION PROTOCOL FOR ADVANCED BIOSENSORS

A. A. Karyakin, E. E. Karyakina

WE1/3

DIRECT VOLTAMMETRIC ANALYSIS OF DNA MODIFIED WITH 7-DEAZAPURINES

P. Horakova, H. Pivonkova, M. Fojtova, M. Fojta

WE1/4

ELECTROCHEMICAL NEPHROTOXIN IMMUNOSENSOR SYSTEMS

E. Iwuoha, P.G. L. Baker, M. Muchindo, J. Owino,

WE2/1

DNA ON GOLD -ELECTRODES FOR DETECTION OF DNA AND DNA BINDING MOLECULES

F. Lisdat, S. Bütow, Ch. Witte

WE2/2

REACTIVITY OF OSMIUM TETROXIDE LABELS IN ELECTROCHEMICAL DNA AND RNA DETECTION

G.-U. Flechsig, M. Mix, M. Jacobsen, H. Duwensee

WE2/3

Voltammetric and Impedimetric DNA base pairs quantification and endonuclease cleavage detection.

T. García, M. Revenga-Parra, E. Casero, C. Alonso, E. Lorenzo, F. Pariente

WE2/4

PREDISPOSITION ANALYSIS OF COELIAC DISEASE USING ELECTROCHEMICAL GENOSENSOR ARRAYS

V. Beni, H. Joda, D. Cournane, C. K. O´Sullivan, I. Katakis

POSTER PRESENTATIONS

GUI-1

AMPEROMETRIC BIOSENSORS BASED ON HYBRID LDH-ALGINATE NANOCOMPOSITE FOR AQUEOUS AND NON AQUEOUS PHENOLIC COMPOUNDS DETECTION

M. Sánchez-Paniagua Lopez, F. Leroux, C. Mousty

GUI -2

AMPEROMETRIC DETERMINATION OF PROTECTED TYROSINE AT A TYROSINASE BIOSENSOR: APPLICATION TO TK ACTIVITY DETECTION

M. Sánchez-Paniagua Lopez, F. Chamantray, V. Helaine, L. Hecquet, C. Mousty

GUI -3

IMMOBILIZATION OF FULLY ELECTROACTIVE CYT C IN MULTIPLE LAYERS ON GOLD ELECTRODES AS A PART OF A DNA/PROTEIN ARCHITECTURE

D. Sarauli, J. Tanne, D. Schäfer, I. W. Schubart, and F. Lisdat

GUI -4

Distinguishing uric acid and ascorbic acid voltammetric peaks using carbon paste electrode modified with Schiff base complex: Application to uric acid determination

M. Amiri, Z. Pakdel, A.Bezaatpour

GUI -5

BINDING OF MERCURY (II) WITH PHYTOCHELATINS: STUDY BY DIFFERENTIAL PULSE VOLTAMMETRY ON ROTATING GOLD DISK ELECTRODE, ESI-MS AND ITC

E. Chekmeneva, J. M. Díaz-Cruz, C. Ariño, M. Esteban

GUI -6

DISPOSABLE MAGNETIC DNA SENSORS FOR THE SPECIFIC DETECTION OF *STREPTOCOCCUS PNEUMONIAE*

S. Campuzano, B. Esteban-Fernández de Ávila, M. Pedrero, J. L. García, P. García, E. García, J. M. Pingarrón

GUI -7

BENZOIC ACID DETECTION IN AQUEOUS AND ORGANIC MEDIA USIGN A HIGLY SENSITIVE INHIBITOR BIOSENSOR BASED ON CALCIUM PHOSPHATE MATERIALS

M. Sánchez-Paniagua López / b. López-Ruiz

GUI-8

A HIGH SENSITIVE BIOSENSOR BASED ON A BIOCOMPATIBLE CEMENT

M. Sánchez-Paniagua López, A. Garcimartin Alvarez, B. López-Ruiz

GUI -9

BANANA TISSUE-NANOPARTICLE/NANOTUBE BASED GCPE BIOSENSORS FOR CATECHOL DETECTION

S. Cevik, U.Anik

GUI -10

ELECTROCHEMICAL IMMUNOASSAY FOR CORTISOL USING PROTEIN A- MAGNETIC PARTICLES AND nAu/OPPF$_6$/CNTs HYBRID COMPOSITE ELECTRODES

M. Moreno-Guzmán, A. González-Cortés, P. Yáñez-Sedeño, J.M. Pingarrón

GUI -11

ELECTROCHEMICAL IMMUNOSENSOR FOR TESTOSTERONE
USING GOLD NANOPARTICLES COMPOSITE ELECTRODES

V. Serafín, M. Eguílaz, L. Agüí, P. Yáñez-Sedeño, J.M. Pingarrón

GUI -12

ENZYMATIC SENSOR USING MEDIATOR-SCREEN PRINTED CARBON ELECTRODES

J. Biscay, E. Costa Rama, M. B. González García, J.M. Pingarrón Carrazón, A. Costa García

GUI -13

ELECTROCHEMICAL SENSOR FOR TRYPHTOPAN DETERMINATION WITH A CUCURBIT[8]URIL MODIFIED GLASSY CARBON ELECTRODE

M. del Pozo, L. Hernández, C. Quintana

GUI -14

ELECTROCHEMICAL CHARACTERIZATION AND DETERMINATION OF CARBENDAZIM IN APPLES THROUGH ITS COMPLEX WITH CUCURBIT[7]URIL.

C. Quintana, *M. del Pozo, M. Alonso,* L. Hernández

GUI -15

ESTABLISHMENT OF PQQ-GDH-ELECTRODE-CONTACTS BY MEANS OF MULTI-WALLED CARBON NANOTUBES

C.Tanne, F.Lisdat

GUI-16

FLOW INJECTION ELECTROCHEMICAL DETECTION OF GLIADIN IN FOOD SAMPLES USING A COMPETITIVE ELISA IMMUNOASSAY

S. Amaya-González, N. de-los-Santos-Álvarez, M. J. Lobo-Castañón, A. J. Miranda-Ordieres, P. Tuñón-Blanco

GUI-17

ENCAPSULATION OF GLUCOSE OXIDASE WITHIN BIOCOMPATIBLE P-MAA MICROGELS FOR DEVELOPING AN AMPEROMETRIC GLUCOSE BIOSENSOR

J.P. Hervás Pérez, E. López-Cabarcos, B. López-Ruiz

GUI-18

AN IMPEDANCE BIOSENSOR USING GOLD NANOPARTICLES MODIFIED GLASSY CARBON ELECTRODE.

L. Mora, L. Hernández, P. Hernández, J. Vicente.

GUI-19

HAIRPIN-DNA PROBE BASED ELECTROCHEMICAL GENOSENSORS COUPLED TO MAGNETIC BEADS FOR THE DETECTION OF *Mycobacterium tuberculosis*

E. Pérez-Ruiz, R. Miranda-Castro, M.J. Lobo-Castañón, A.J. Miranda-Ordieres, P. Tuñón-Blanco

GUI-20

COMPARATIVE DETECTION OF *Legionella pneumophila* BY VOLTAMMETRIC AND SPR GENOSENSORS

R. Miranda-Castro, M.J. Lobo-Castañón, A.J. Miranda-Ordieres, P. Tuñón-Blanco

GUI-21

BIOMIMETICALLY SYNTHETHISED SILICA NANOPARTICLES FOR THE CONSTRUCTION OF ENZYME-BASED BIOSENSORS

P. Zamora, A, Narváez, E. Domínguez

GUI-22

DISPOSABLE BIOSENSORS FOR THE ANALYSIS OF TYRAMINE

D. Mota, O. Dominguez-Renedo, M.A. Alonso-Lomillo, M.J. Arcos-Martínez

GUI-23

ENZYMATIC BIOSENSORS FOR SPERMINE AND SPERMIDINE AMPEROMETRIC DETERMINATION

F. Marques, S.Baptiste, M.A. Alonso-Lomillo, O. Domínguez-Renedo, C. Cabral and M.J. Arcos-Martínez

GUI-24

A NEW VOLTAMMETRIC TOOL FOR PROPOLIS ORIGIN DISCRIMINATION

S. I. Falcão, C. Freire, M. Vilas-Boas

GUI-25

ELECTROCHEMICAL DETECTION OF COELIAC DISEASE RELATED AUTOANTIBODIES

P. Lozano-Sánchez, L.C. Rosales-Rivera, S. Dulay, E. Page, I. Katakis, C.K. O'Sullivan

GUI-26

DEVELOPMENT OF ELECTROCHEMICAL BIOSENSORS FOR THE MULTIPLEXED DETECTION OF HUMAN PAPILLOMAVIRUS GENES IN REAL SAMPLES

L. Civit, A. Fragoso, C. K. O' Sullivan

GUI-27

HYDROGEN BIOSENSOR BASED ON HYDROGENASE ELECTRODE

E.E. Karyakina, F.A. Fedotenkov, D.V. Vokhmyanina, A.A. Karyakin

GUI-28

DNA-BRANCHED POLYACRYLAMIDE BRUSHES GROWN BY SI-ATRP ONTO GOLD SURFACES FOR ELECTROCHEMICAL DNA SENSING

O.Y.F. Henry, S. Kirwan, A. Debela Medi, C.K. O'Sullivan

GUI-29

ELECTROCHEMILUMINESCENT DETECTION PLATFORM FOR DNA BIOSENSORS INCORPORATING QUENCHING OF ECL SIGNAL

D. Bejarano, M. Ortiz, P. Lozano, A. Fragoso, I. Katakis, J. Höth, D. Latta, I. Frese, M. Ritzi, K. Drese' C..K. O'Sullivan

GUI-30

CARBON NANOTUBES AT THE DESIGN AND APPLICATION OF DNA BASED ELECTROCHEMICAL BIOSENSORS

A.Ciucu, I. David, V. David, I. Stamatin, L. Savu

GUI-31

INFLUENCE OF ANCHORING OF Au-NANOPARTICLE MONOLAYER TO SOLID GOLD SURFACE ON PERFORMANCE OF DNA BIOSENSORS

A.M. Nowicka, A. Kowalczyk, M. Donten, D. Leech, M. Hepel, Z. Stojek

GUI-32

STUDY OF THE IONIC STRENGTH EFFECT AND THE DIFFERENT SIZE DNA PROBES ON THE ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY BIOSENSOR RESPONSE

M. Revenga-Parra, T. García, E. Lorenzo, F. Pariente and C. Alonso

GUI-33

TRYPTOPHAN REPRESSOR-BINDING PROTEINS FROM ESCHERICHIA COLI AND ARCHAEOGLOBUS FULGIDUS AS NEW CATALYSTS FOR 1,4-DIHYDRONICOTINAMIDE ADENINE DINUCLEOTIDE-DEPENDENT AMPEROMETRIC BIOSENSORS AND BIOFUEL CELLS

F. Tasca, M. N. Zafar, G. Nöll, E. V. Patridge, J. G. Ferry, L. Gorton

GUI-34

A VERSATILE MATRIX FOR THE CONSTRUCTION OF SENSORS

G. A. González , M. L.Cortez, F. Battaglini

GUI-35

INTERFACIAL SELF-ASSEMBLY OF ADAMANTANE-APPENDED ANTIGEN CARRIERS ON CYCLODEXTRIN SURFACE FOR DETECTION OF CELIAC DISEASE RELATED AUTO-ANTIBODIES

M. Ortiz, A. Fragoso, C. K. O´Sullivan

GUI-36

TOWARDS MEDIATORLESS AND REAGENTLESS SUPRAMOLECULAR BIOSENSORS

M. Ortiz, E. Wajs, A. Fragoso, C. K. O´Sullivan

GUI-37

MODIFICATION OF SURFACE ELECTRODES FOR NADH OXIDATION. APLICATION IN DEHYDROGENASES BASED BIOSENSORS

C. Pena-Farfal, M. Muñoz, L. Basáez, R. Mundaca, D. Sáez, V. Stuardo, J. Neira

GUI-38

IMMOBILISATION OF PROTEIN PHOSPHATASES WITH LAYERED DOUBLE HYDROXYDES FOR THE DEVELOPMENT OF BIOSENSORS FOR MICROCYSTINS AND OKADAIC ACID

S. Hidouri, Z.M. Baccar, H. Abdelmalek, J.-L. Marty, J. Diogène, M. Campàs

GUI-39

ENZYME-LABELED DNA AT ELECTRICALLY HEATABLE ELECTRODES

A. Walter, A.-E Surkus, G.-U. Flechsig

GUI-40

DETERMINATION OF NATIVE, DENATURED AND REDUCED INSULIN STUDIED AT MERCURY AND CARBON ELECTRODES

K. Kurzatkowska, V. Ostatna, E. Palecek

GUI-41

LIQUID-CRYSTALLINE CUBIC PHASES AS VITAMINS K DELIVERY SYSTEMS

E. Nazaruk, K. Pruszyńska, R. Bilewicz

GUI-42

Biomimetic voltametric sensor for 2,4,6-trichlorophenol based on a catalytic molecularly imprinted microgel

G. Díaz-Díaz, M. C. Blanco-López, M. J. Lobo-Castañón, A. J. Miranda-Ordieres, P. Tuñón-Blanco

GUI-43

METAL MACROCYCLIC COMPLEXES ASSEMBLED AT SURFACES.

L. C.Fernandez, J. Eriksson, J. M.Abad, S. J.Higgins, E. Ahlber D. J. Schiffrin

GUI-44

UTITLIZATION OF CATALYTIC HYDROGEN EVOLUTION AT MERCURY-BASED ELECTRODES IN ELECTROCHEMICAL ANALYSIS OF CHEMICALLY MODIFIED BIOPOLYMERS

M. Fojta, P. Horakova, H. Pivonkova, L. Havran, L. Tesnohlidkova, P. Kostecka, K. Nemcova, M. Trefulka, E. Palecek

GUI-45

HIGH SENSITIVITY ELECTRICAL READOUT FOR PROTEIN MICROARRAYS

D. Bonilla, M. Mallén, R. de la Rica, A. Baldi, C. Fernández-Sánchez

GUI-46

ELECTROCHEMICAL AND CATALYTIC OXIDATION OF 5-HYDROXYINDOLEACETIC ACID

D. Antuña-Jiménez, C. Blanco-López, M.J. Lobo-Castañón, A.J. Miranda-Ordieres, P. Tuñón-Blanco

GUI-47

ELECTRON TRANSFER OF COORDINATIVELY WIRED METALLOENZYME-GOLD CLUSTER HYBRIDS.

*J. M. Abad, E. Lorenzo, F. Pariente, D. J. Schiffrin**

GUI-48

APPLY HIGHLY SENSITIVE Pt/CNTS IMMUNOSENSOR AMPLIFIED BY MUITIENZYME-CNTS FOR EARLY OSTEOARTHRITIS DIAGNOSIS

S.-H. Wang, C.-Y. Chen, S.-D. Yang, L. Tsai

GUI-49

USING IRIDIUM QUANTUM DOTS DECORATED CARBON NANOTUBES FOR NADH SENSING

S.-H. Wang[*]*, N. Lin, J.-Y. Wu, I-H. Wang, M.-Y. Huang*

GUI-50

CYP450 BASED AMPEROMETRIC BIOSENSOR FOR THE DETERMINATION OF VERAPAMIL

C. Yardimci, I. Suslu, N. Ozaltin

Prof. . M. Pinilla Macías Memorial Symposium

“Environmental and food science electroanalysis”

PLENARY LECTURE

PL-4

BIO-ELECTROCHEMICAL STRATEGIES FOR DETECTION AND QUANTIFICATION OF BACTERIA

José M. Pingarrón

KEYNOTE LECTURES

KN7

FAST DIRECT ELECTRON TRANSFER FOR ENZYME & SYNZYME BIOSENSORS

E A H Hall, J. Paraha, S Demin, C Loechel

KN8

REDOX-MEDIATED SENSORS AND BIOSENSORS AND APPLICATION IN ENVIRONMENTAL AND FOOD ANALYSIS

C.M.A. Brett

ORAL COMMUNICATIONS

TH1/1

VOLTAMMETRIC AND AMPEROMETRIC MONITORING OF ECOTOXIC ORGANIC COMPOUNDS

J. Barek, A. Daňhel, J. Fischer, V. Vyskočil

TH1/2

ANALYTICAL PERFORMANCE OF ELECTROCHEMICAL DETECTORS BASED ON NICKEL AND COPPER NANOWIRES

M. García and A. Escarpa

TH1/3

VERSATILE BIO-MIMETIC SYSTEMS APPLIED IN EVALUATION OF THE REACTIVE OXYGEN SPECIES TOXICITY AND THE ANTIOXIDANT PREVENTION

S. C. Litescu, A. Tache, S. AMV. Eremia. G. L. Radu

TH1/4

SIMULTANEOUS MONITORING OF THE TRANSPORT OF ANIONS AND CATIONS ACROSS POLYPYRROLE BASED COMPOSITE MEMBRANBES

A. Ivaska, M.N. Akieh, R-M.Latonen, J.Bobacka,

TH2/1

ELECTROCHEMICAL SURVEY OF THE COMPETITIVE BINDING OF CADMIUM BY PHYTOCHELATINS AND FRAGMENTS

R. Gusmão, J.M. Díaz-Cruz, C. Ariño, M. Esteban

TH2/2

NANOSTRUCTURED ELECTROCHEMICAL APTASENSORS FOR OCHRATOXIN A (OTA) DETERMINATION

L. Bonel, P. Duato, J.C. Vidal, J.R. Castillo

TH2/3

MICROELECTROCHEMICAL SYSTEMS ON SILICON CHIPS FOR THE REMOTE DETECTION OF POLLUTANTS IN SEAWATER

G. Herzog, W. Moujahid, P. Eichelmann-Daly, K. Twomey, V. I. Ogurtsov, D.W.M. Arrigan

TH2/4

SQUARE-WAVE ANODIC STRIPPING VOLTAMMETRY OF CADMIUM AND LEAD IN WATERS USING A GLASSY CARBON ELECTRODE MODIFIED WITH MULTI-WALLED CARBON NANOTUBES AND BISMUTH

V. Vicente-Beckett, J. Petrass

POSTER PRESENTATIONS

PIN-1

DETERMINATION OF LACTOSE IN MILK AND OTHER FOODSTUFFS WITH AN INTEGRATED LACTOSE BIOSENSOR USING SELF-ASSEMBLED MONOLAYER MODIFIED GOLD ELECTRODES

F. Conzuelo, M. Gamella, S. Campuzano, A.J. Reviejo, J.M. Pingarrón

PIN-2

VOLTAMMETRIC ELECTRONIC TONGUE IN THE ANALYSIS OF CAVA WINES

X.Cetó, J.M. Gutiérrez, L. Moreno-Barón, S. Alegret, M. del Valle

PIN-3

POLYPHENOL OXIDASE – NAFION BASED BIOSENSOR FOR THE DETERMINATION OF PLANT SECONDARY METABOLITES CONTENT

S. A. V. Eremia, G. L. Radu, S. C. Litescu

PIN-4

COMBINATION OF VOLTAMMETRY WITH CIRCULAR DICRHOISM ASSISTED BY CHEMOMETRICS AND ESI-MS. COMPETITIVE BINDING OF HEAVY METALS BY PHYTOCHELATIN PC_5

S. Cavanillas, R. Gusmão, C. Ariño, J. M. Díaz-Cruz, M. Esteban

PIN-5

APPLICATION OF A HYBRID E-TONGUE TO THE ANALYSIS OF WHITE WINES

M. Gutiérrez, A. Llobera, A. Ipatov, F. Capdevila, C. Domingo, S. Demming, S. Büttgenbach, C. Jiménez-Jorquera

PIN-6

COBALT PHTHALOCYANINE DERIVATIZED SWCNT AS NEW TOOLS FOR ELECTROCHEMICAL DETECTION OF THIOCHOLINE

E. Jubete, O. A. Loaiza, E. Ochoteco, K. Sadowska, J. F. Biernat

PIN-7

DETERMINATION OF LEAD IN AMBIENT AEROSOL SAMPLES BY ANODIC STRIPPING VOLTAMMETRY ON A BISMUTH FILM ELECTRODE

E. Pinilla-Gil, M.R. Palomo-Marín, L. Calvo-Blázquez

PIN-8

LIQUID CHROMATOGRAPHIC ANALYSIS OF Hg(II) BINDING TO THIOL-RICH PEPTIDES USING ELECTROCHEMICAL DETECTION

A. Dago, O. González-García, C. Ariño, J. M. Díaz-Cruz, M. Esteban

PIN-9

NANOSTRUCTURED VOLTAMMETRIC IMMUNOSENSORS FOR OCHRATOXIN A BASED ON PARAMAGNETIC BEADS AND SCREEN PRINTED CARBON ELECTRODES

JC. Vidal , L. Bonel , A. Ezquerra, P. Duato, and JR. Castillo

PIN-10

DETERMINATION OF MERCURY IN WATER SAMPLES BY ANODIC STRIPPING VOLTAMMETRY ON SCREEN PRINTED GOLD ELECTRODES

E. Bernalte-Morgado, E. Pinilla-Gil, C. Marín-Sánchez

PIN-11

VOLTAMMETRIC DETERMINATION OF PESTICIDE DICHLORAN USING BORON DOPED DIAMOND FILM ELECTRODE

J. Fischer, L. Jílková, J. Barek

PIN-12

EVALUATION OF POTENTIOMETRIC SENSORS WITH SOLID INNER CONTATC FOR MERCURY ANALYSIS IN FLOW SYSTEMS

N. Timón, M.J. Gismera, J.R. Procopio, M.T. Sevilla

PIN-13

POTENTIOMETRIC SCREEN-PRINTED BISENSOR FOR SIMULTANEOUS ANALYSIS OF CHROMIUM (III) AND CRHOMIUM (VI)

R.A. Sánchez-Moreno, M.J. Gismera, M.T. Sevilla, J.R. Procopio

PIN-14

VOLTAMMETRIC ANALYSIS OF NICKEL ON CARBON SCREEN-PRINTED ELECTRODES

L. González-Macías, M.J. Gismera, J. R. Procopio, M. T. Sevilla

PIN-15

VOLTAMMETRIC BEHAVIOR OF METHOTREXATE USING SILVER SOLID AMALGAM ELECTRODE

R. Šelešovská, L. Bandžuchová

PIN-16

NEW TYPE OF MODIFIED GC ELECTRODES FOR POTENTIOMETRIC DETERMINATION OF COPPER

D. Stanković, D. Manojlović, G. Roglić, N. Sojic

PIN-17

COPPER CHEMISTRY IN NATURAL WATERS AT NANOMOLAR CONCENTRATION

M. González-Dávila, J.M. Santana-Casiano, A.G. González, N. Pérez

PIN-18

ELECTROCHEMICAL SURFACE MODIFICATION OF SCREEN PRINTED CARBON ELECTRODES FOR THE ENANTIOSELECTIVE DETECTION OF PESTICIDES

A. Gomez-Caballero, I. Basozabal, N. Unceta, M. A. Goicolea, R.J. Barrio

PIN-19

AN INSECTICIDE FENITROTHION SENSOR BASED ON A MOLECULARLY IMPRINTED POLYMER COATING OF SCREEN-PRINTED CARBON ELECTRODES

C. Pellicer, A. Gomez-Caballero, M. A. Goicolea, R.J. Barrio

PIN-20

QUASI-REAGENTLESS ELECTROCHEMICAL INMUNOSENSORS FOR THE DETECTION OF QUINOLONES IN MILK

J. Jiménez, A. Narváez and E. Domínguez

PIN-21

SCREEN-PRINTED BIOSENSORS FOR DETERMINATION OF OCHRATOXIN-A

L. del Torno-de Román, M.A. Alonso-Lomillo, O. Domínguez-Renedo, M.J. Arcos-Martínez

PIN-22

SELF-ASSEMBLED MONOLAYERS OF L-CYSTEINE ON GOLD AND DGT DEVICES FOR THE DETERMINATION OF POTENTIALLY BIOAVAILABLE-COPPER AND TOTAL COPPER IN NATURAL WATERS BY SQUARE-WAVE VOLTAMMETRY

V. Vicente-Beckett, T. Pohlmann

PIN-23

Thallium in fractions of sediments formed during the 2004 tsunami as determined by flow-injection DP-ASV

Z. Lukaszewski, B.Karbowska, W.Zembrzuski, M.Siepak

PIN-24

Tensammetry vs. chromatography in the monitoring of non-ionic surfactants in the aquatic environment

Z.Lukaszewski

PIN-25

SCREENING OF LOW COST SORBENT BIOMATERIALS FOR PRECONCENTRATION OF PARACETAMOL IN AQUEOUS MEDIA.

C. Suárez, P. Lodeiro, J.L. Barriada, T. Vilariño, R. Herrero, P. Barro, J.M.L. Vilariño, G. Fernández-Martínez , M.E. Sastre de Vicente

PIN-26

SPOILAGE DETECTION WITH BIOGENIC AMINE BIOSENSORS, COMPARISON OF DIFFERENT ENZYME ELECTRODES

B. Bóka, N. Adányi, D. Virág, A. Kiss

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B. Bóka, N. Adányi, D. Virág, M. Sebela, A. Kiss

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DEVELOPMENT OF AN ENZYME BASED AMPEROMETRIC BIOSENSOR FOR ADENINE DETERMINATION

B. Bóka, N. Adányi, D. Virág, P. Galuszka, I. Frébort, A. Kiss

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DETERMINATION OF As(III) BY SQUARE WAVE CATHODIC STRIPPING VOLTAMMETRY (SWCSV) AT A HANGING MERCURY DROP ELECTRODE (HMDE) IN THE PRESENCE OF SURFACTANTS

V. Arancibia, M. Gómez

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SENSITIZATION OF Co(II) VOLTAMMETRIC RESPONSE BY MEANS OF VOLUMETRIC CATALYTIC SYSTEM Co(II)-TRIS(HYDROXYMETHYL)-AMINOMETHANE - SODIUM PERBORATE

A. Bobrowski, J. Zarębski, A. Królicka, M. Putek

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VOLTAMMETRIC DETERMINATION OF 1-NITROPYRENE USING SILVER SOLID AMALGAM ELECTRODE IN MINIATURIZED DETECTION CELL

J. Karásek, J. Barek, K. Pecková

PIN-32

APPLICATION OF CARBON NANOTUBE-MODIFIED ELECTRODES AS ELECTROCHEMICAL SENSORS FOR CONTINUOUS MONITORING OF 2,4-DICHLOROPHENOL

M. Chicharro, A. Sánchez Arribas, M. Moreno, E. Bermejo, J. A. Pérez, V. Román, A. Zapardiel.

PIN-33

AN ULTRASENSITIVE NONENZYMATIC ELECTROCHEMICAL SENSOR FOR GLUCOSE BASED ON SUPERPARAMAGNETIC IRON OXIDE CORE – SHELL Fe_3O_4@ Ag NANOCOMPOSITE

S. Sadeghi, S. Vafaei

PIN-34

ANODIC STRIPPING VOLTAMMETRIC DETERMINATION OF CADMIUM AT METHYLTHIO-BENZIMIDAZOLE IMMOBILIZED ON THE PHOSPHATED ZIRCONIA- SILICA COMPOSITE ELECTRODE

S. Sadeghi, M. Ghofoori

PIN-35

FAST ELECTROANALYTICAL SCREENING OF NATURAL ANTIOXIDANTS ON SCREEN PRINTED ELECTRODES IN WINE SAMPLES

A. M. Bueno, M. Zougagh, A. Escarpa, A. Ríos

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DISPOSABLE ELECTROCHEMICAL MAGNETIC BEADS-BASED IMMUNOSENSOR WITH SIMPLIFIED CALIBRATION FOR FAST DETECTION OF ZEARALENONE IN INFANT FOOD SAMPLES

M. Hervás, M.A. López and A. Escarpa

PIN-37

COMBINATION OF CHIP ELECTROPHORESIS, CONTACTLESS CONDUCTIVITY DETECTION AND SINGLE DROP MICROEXTRACTION FOR THE DETERMINATION OF ALIPHATIC AMINES IN FOOD SAMPLES

J. Bloedt, A. Kumar, A. Malik, F.M. Matysik

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DETERMINATION OF AZO DYE-BASED METAL COMPLEXES BY ADSORPTIVE STRIPPING CHRONOPOTENTIOMETRY USING A BISMUTH BULK ELECTRODE

W. Pimrote, L. Renma

PIN-39

TRACE DETERMINATION OF NI (II) BY ADSORPTIVE STRIPPING VOLTAMMETRY USING 1 - NITROSO-2-NAPHTHOL WITH BISMUTH FILM ELECTRODE

R. Segura, M. Pradenas, D. Pinto

PIN-40

ANTIOXIDANT CAPACITY OF FLAVOURED WATERS BY ELECTROCHEMICAL DNA-BIOSENSOR

M. F. Barroso. M. G. F. Sales, C. Delerue-Matos, M. B. P.P. Oliveira

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DNA DAMAGE GENERATED BY A SULPHATE RADICAL AND THE PROTECTIVE EFFECT OF DIETARY ANTIOXIDANTS USING AN ELECTROCHEMICAL DNA BIOSENSORS

M. F. Barroso. M. G. F. Sales, C. Delerue-Matos, M. B. P.P. Oliveira

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ENZIMATIC BIOSENSOR FOR THE QUANTIFICATION OF MOLINATE IN WATER

M.J.C. Oliveira, A. Garcia', S. Viswanathan, M. Fátima Barroso, J. A. Rodrigues, C. Delerue-Matos[1]

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POLYANILINE MICROARRAY SCREEN PRINTED ELECTRODES FOR TRACE DETERMINATION OF CADMIUM

M. Oliveira, S. Viswanathan, S. Morais, C. Delerue-Matos

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DETERMINATION OF THE TOXICIY OF SURFACTANTS WITH AN ELECTROCHEMICAL DNA BIOSENSOR

F. Cugia, A. Salis, A. Barse, M. Monduzzi, M. Mascini

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H. Pivoňková, P. Horáková, L. Těsnohlídková, L. Havran, P. Vidláková, Miroslav Fojta

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HYBRID ELECTRONIC TONGUE FOR THE DETECTION OF BITTERNESS IN BEVERAGES

A. Bulbarello, M. Scampicchio, L. Schweikert, M. Cuenca, S. Mannino

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VOLTAMMETRIC CHARACTERIZATION OF BODA ALBITIC CLAYSTONE: COMPARISON WITH MÖSSBAUER SPECTROSCOPY DATA

M. Perdicakis, Y. Xu, K. Lázár, Z. Máthé, M. Etienne

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COMPACT AMPEROMETRIC FLOW SYSTEM FOR ON-SITE ENVIRONMENTAL APPLICATIONS

A. Ipatov, C. Jiménez-Jorquera, C. Fernández-Sánchez

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AN ETHERIFIED DERIVATIVE OF CHITOSAN AS AN IMPROVED COMPLEXING AGENT FOR SOLIDIFICATION/STABILISATION OF HEAVY METALS INTO CEMENTITIOUS MATRICES

J.M. Fernández, E. Lasheras-Zubiate, B. Bessard, I. Navarro-Blasco, J.I. Álvarez

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ASSESSMENT OF THE EFFECT OF pH VALUES ON THE COMPLEXING ABILITY OF TWO ETHERIFIED DERIVATIVES OF CHITOSAN WITH A VIEW TO IMPROVING RETENTION OF HEAVY METALS INTO CEMENT MORTARS

J.M. Fernández, E. Lasheras-Zubiate, B. Bessard, I. Navarro-Blasco, J.I. Álvarez