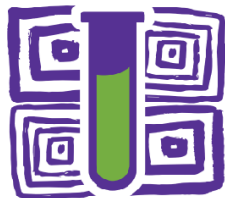
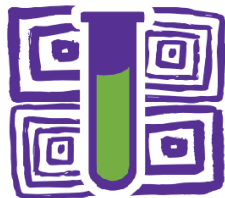


**21° ENQA**Encontro Nacional de Química Analítica
21st Brazilian Meeting on Analytical Chemistry**9° CIAQA**Congresso Ibero-Americano de Química Analítica
Ibero-American Congress of Analytical Chemistry**POSTER SESSION I****SEPTEMBER 16th (MONDAY): 09:55 – 11:10 h**

ELECTROANALYTICAL: ELE 01 - ELE 33	
ELE 01	INDIRECT ELECTROCHEMICAL DETERMINATION OF TOTAL PHENOL CONTENT IN WATER Eduardo Mathias Richter; Isabella Fernandes de Sousa; Anastácio Armando Boane; Rodrigo Alejandro Abarza Muñoz UFU; Safe University (Mozambique)
ELE 02	MID-INFRARED PORTABLE SENSOR FOR REAL-TIME MONITORING OF H₂S AND SO₂ LEVELS IN UNDERGROUND MINES Diandra Nunes Barreto; Lisa Sophie Walter; João Flávio da Silveira Petrucci; Boris Mizaikoff UFU; Ulm University (Germany); Hahn-Schickard (Germany) Alpes Lasers (Switzerland)
ELE 03	ELECTROANALYTICAL METHODOLOGY FOR THE DETERMINATION OF DIMETHOMORPH, A MORPHOLINE PESTICIDE, IN FOOD SAMPLES Djenaine de Souza; Raphael D. Pires UFU
ELE 04	ELECTROCHEMICAL DETECTION OF PARABENS SPECIES IN ENVIRONMENTAL SAMPLES Wendel Ferreira Santos UNICAMP
ELE 05	ELECTROCHEMICAL BEHAVIOR STUDY OF FURFURAL AND VOLTAMMETRIC DETECTION IN FOOD SAMPLES USING SOLID AMALGAM ELECTRODE USING SOLID ELECTRODE Lorraine Marins-Gonçalves; Djenaine De Souza UFU
ELE 06	ELECTROANALYTICAL METHODOLOGY FOR THE DETERMINATION OF DIMETHOMORPH, A MORPHOLINE PESTICIDE, IN FOOD SAMPLES Raphael Dannemann Pires; Djenaine de Souza UFU
ELE 07	LASER-INDUCED GRAPHENE SENSOR FOR THE AMPEROMETRIC DETECTION OF PARABENS USING BATCH INJECTION ANALYSIS Lucas Moreira Silva; Gilvana Pereira Siqueira; Ana Clara Maia Oliveira; Diele Aparecida Gouveia Araújo; Paulo Clairmont Feitosa de Lima Gomes; Rodrigo Alejandro Abarza Muñoz; Hideko Yamanaka USP; UFU
ELE 08	DEVELOPMENT A PENCIL GRAPHITE ELECTRODES-BASED ELECTROCHEMICAL IMMUNOSENSOR FOR CHAGAS DISEASE Andressa de Oliveira Almeida; Rafael Mendes Coelho; Helen Rodrigues Martins; Lucas Franco Ferreira UFVJM
ELE 09	SIMULTANEOUS ELECTROCHEMICAL DETERMINATION OF PARACETAMOL AND CAFFEINE USING COLD PLASMA-TREATED PYROLYTIC GRAPHITE SHEET ELECTRODE Isabella Cristina Otoni Ferreira Silva; Amanda Beatriz Nascimento; Jian Felipe da Silva Pereira; Rodrigo Abarza Muñoz; Eduardo Mathias Richter UFU; UFRGN
ELE 10	LASER-INDUCED NIFE₂O₄ EMBEDDED GRAPHENE AS A NEW PLATFORM FOR ELECTROCHEMICAL SENSING Amanda Beatriz Nascimento; Isabella Cristina Otoni Ferreira Silva; Eduardo Mathias Richter; Osmando Ferreira Lopes; Rodrigo Alejandro Abarza Muñoz UFU

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ELE 11	SELECTIVE DETECTION OF 4-METHYL-PENTEDRONE IN FORENSIC SAMPLES USING A LAB-MADE SCREEN-PRINTED SENSOR WITH CARBON NANOTUBES AND GLASS VARNISH Wallans Torres Pio dos Santos; Jefferson H.S. Carvalho; Anne Aalves Macedo; Dilton Martins Pimentel; Luciano Chaves Arantes; Bruno Campos Janegitz UFVJM; UFSCar/Araras; PC-DF
ELE 12	SELECTIVE DETECTION OF 2,4,6-TRINITROTOLUENE USING BATCH INJECTION ANALYSIS WITH MULTIPLE-PULSE AMPEROMETRIC DETECTION Maressa Fonseca Franco; Gilvana Pereira Siqueira; Rodrigo Alejandro Abarza Muñoz; Eduardo Mathias Richter UFU
ELE 13	ELECTROCHEMICAL DETECTION OF CLOBENZOREX IN HUMAN SALIVA AND SEIZED TABLETS USING SCREEN-PRINTED ELECTRODES: A FAST AND ON-SITE METHOD SCREENING FOR APPLICATION IN FORENSIC ANALYSIS Anne Alves Macedo; Karla Aparecida Oliveira Souza; José Luiz Costa; Luciano Arantes; Wallans Torres Pio dos Santos UFVJM; UNICAMP; PC-DF
ELE 14	ADDITIVELY MANUFACTURED COLLECTOR-DETECTOR DEVICE FOR EXPLOSIVE ANALYSIS USING RECYCLED PLA FILAMENT LOADED WITH CARBON BLACK AND GRAPHITE Rodrigo Alejandro Abarza Muñoz; Maria Moura Cruvinel Souza; Gilvana Pereira Siqueira; Raquel Gomes Rocha; Robert D. Crapnell; Mário Henrique P. Santana; Eduardo Mathias Richter; Craig. E. Banks UFU; Manchester Metropolitan University (United Kingdom); Federal Police/MG
ELE 15	PRODUCTION OF ADDITIVE MANUFACTURING CONDUCTIVE FILAMENT BASED ON POLYPROPYLENE AND CARBON BLACK FOR ELECTROCHEMICAL SENSING David Luiz Oliveira Ramos UFU
ELE 16	VOLTAMMETRIC DETERMINATION OF METALS USING LASER-INDUCED GRAPHENE ELECTRODES Maria Moura Cruvinel Souza; Isabella C. O. F. Silva; Eduardo M. Richter; Rodrigo A. A. Muñoz UFU
ELE 17	MANUFACTURING AND APPLICATION OF LASER-INDUCED GRAPHENE OXIDE ELECTRODES FOR ELECTROANALYTICAL ANALYSIS Ângelo Rafael Machado; Lucas Franco Ferreira UFVJM
ELE 18	OPTIMIZATION AND CONSTRUCTION OF AN ELECTROCHEMICAL IMMUNOSENSOR FOR DETECTION OF THE VACCINIA VIRUS IN BOVINE SERUM Rafael Mendes Coelho; Danilo Bretas de Oliveira; Lucas Franco Ferreira UFVJM
ELE 19	ELECTROCHEMICAL IMMUNOSENSOR FOR THE DETECTION OF VISCERAL LEISHMANIASIS USING LIGS MODIFIED WITH IRON NANOPARTICLES Geycson Figueiredo Dias; Ângelo Rafael Machado; Helen Rodrigues Martins; Lucas Franco Ferreira UFVJM
ELE 20	PENCIL GRAPHITE ELECTRODES APPLIED IN THE DEVELOPMENT OF AN Zirlane Coelho Ferreira; Lucas Franco Ferreir; Thaís Machado Lima UFVJM
ELE 21	FABRICATION OF PRINTED ELECTRODES FOR IMMUNOSENSORS WITH DUAL DETECTION FOR CHAGAS AND VISCERAL LEISHMANIASIS Thaís Machado Lima; Helen Rodrigues Martins; Lucas Franco Ferreira UFVJM
ELE 22	OPTIMIZATION OF THE CONSTRUCTION AND MODIFICATION OF SCREEN-PRINTED ELECTRODES FOR THE DEVELOPMENT OF IMMUNOSENSORS

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	Priscila Izabela Soares; Helen Rodrigues Martins; Lucas Franco Ferreira UFVJM
ELE 23	DEVELOPMENT OF AN ELECTROANALYTICAL METHOD FOR THE QUANTIFICATION OF QUERCETIN DERIVATIVES IN DIZYGOSTEMON RIPARIUS EXTRACTS Gustavo Carvalho Diniz; Iranaldo Santos da Silva; Luiza Maria Ferreira Dantas; Kiany Sirley Cavalcante IFMA; UFMA
ELE 24	ELECTROLYTE-LESS: GREENING THE FLOW INJECTION ELECTROANALYSIS BY USING AIR AS CARRIER Tayná Silva Bernardino de Barros UFGD
ELE 25	VOLTAMETRIC DETERMINATION OF AMMONIA IN WATER SAMPLES USING AN UNMODIFIED Pt ELECTRODE IN ALKALINE MEDIA Vitoria Brambilla Messias; André Luiz dos Santos; Regina Massako Takeuchi UFU
ELE 26	MOLECULARLY IMPRINTED POLYMER (MIP)-BASED ELECTROCHEMICAL SENSOR FOR ANTHRACENE FOR OIL SPILL MONITORING Marcos Vinicius Foguel; Mariana de Mendonça Martelli; Vagner Bezerra dos Santos UFPE
ELE 27	IMPROVING THE EFFICIENCY OF PENCIL-DRAWN ELECTROCHEMICAL SENSORS WITH LOW TEMPERATURE THERMAL TREATMENT Lucas Costa Faustino; Bruna Mesquita Gomes; Gleidson Thiago de Sá Araújo; Everson Thiago Santos Gerônimo UFPI
ELE 28	LOW-COST CONDUCTIVE INK STENCIL-PRINTED ELECTRODES FOR ELECTROANALYSIS OF PARACETAMOL IN ENVIRONMENTAL SAMPLES Júlia Maria Freitas Melo; Gleidson Thiago de Sá Araújo; Dr. Everson Thiago Santos Gerônimo da Silva; Lucas C. Faustino UFPI
ELE 29	EVALUATION OF THE TOTAL ANTIOXIDANT CAPACITY IN TEA SAMPLES USING LASER-INDUCED GRAPHENE ELECTRODE Nélio Inácio Gravata Inoque; Diele Aparecida Gouveia Araújo; Débora Machado de Lima; Raquel Maria Ferreira de Sousa; Thiago Regis Longo Cesar da Paixão; Rodrigo Alejandro Abarza Munoz UFU; USP
ELE 30	DEVELOPMENT OF AN ELECTROANALYTICAL METHOD FOR DETERMINATION OF DIURETICS IN PHARMACEUTICAL FORMULATIONS Rebeca Bezerra Praseres; Domingos Rosa Dos Santos Neto; Dianderson Cristiano Monteiro Ferreira; Carlos Eduardo Costa Lopes; Gabrielly Pereira da Silva; Lizandra Nascimento Castr ; João Pedro Carvalho da Silva ; Luiz Ricardo Guterres e Silva; Luiza Maria Ferreira Dantas; Iranaldo Santos da Silva UFMA
ELE 31	TAXONOMIC IDENTIFICATION OF PATHOGENIC BACTERIA BY VOLTAMMETRY OF IMMOBILIZED MICROPARTICLES Ana Paula de Oliveira Lopes Inacio FURG
ELE 32	CHEMICALLY MODIFIED FILM ELECTRODE WITH SOY BIOCHAR APPLIED FOR VOLTAMMETRIC DETERMINATION OF CAFFEINE Caroline Athaídes Miler; Andressa Barroso dos Santos; Sara Alves da Cunha; Tito Roberto Sant\Anna Cadaval Júnior; Luiz Antonio de Almeida Pinto; Sergiane Caldas Barbosa; Ednei Gilberto Primel; Eliézer Quadro Oreste; Daiane Dias FURG
ELE 33	TECHNOLOGICAL INNOVATIONS IN NATURAL GAS PROSPECTING: APPLICATION OF VIMP IN MARINE SEDIMENT SAMPLES Lenon Medina Ferreira; Leandro Silva de Almeida; Luis Frederico Rodrigues; Daiane Dias

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	FURG; UNISINOS
ATOMIC SPECTROMETRY: EA 01 - EA 11	
EA 01	REVERSED-PHASE DISPERSIVE LIQUID-LIQUID MICROEXTRACTION FOR EXTRACTION AND PRE-CONCENTRATION OF LEAD IN LUBRICATING OILS FOR FURTHER DETERMINATION BY HR-CS GF AAS ANA LUISA QUEIROZ SILVA SANTOS; Ana Claudia Beduhn Luckow; Bruno Meira Soares; Lisliane Kickofel; Kaiane de Quevedo Ribeiro; Maiara Helena de Melo Malinowski; Paloma Konzgen Maciel FURG
EA 02	SEQUENTIAL AND SIMULTANEOUS DETERMINATION of Pb, Ni and Fe IN SNACKS FOR DOGS AND CATS USING HR-CS GF AAS RENNAN GEOVANNY OLIVEIRA ARAUJO; Nicole Evelyn de Jesus Santos; Rafael Ribeiro Francisco; Leandro Kolling; Morgana Bazzan Dessuy UFBA; UFRGS
EA 03	PRELIMINARY HOMOGENEITY TESTS FOR METALS IN RIVER SEDIMENT IN A CANDIDATE OF REFERENCE MATERIAL POLIANA BORGES DE OLIVEIRA; Luana Santos Moreira; Geisamanda Pedrini Brandão; Otávio Arruda Heringer; Jefferson Rodrigues de Souza; Maria Tereza Weitzel Dias Carneiro UFES; Tommasi Ambiental; UENF-Darcy Ribeiro
EA 04	EVALUATING MERCURY IN RIVER AND LAKE SEDIMENTS FROM URBAN REGION IN RORAIMA Larissa Gabrielly Rodrigues Mourão; Larissa Eduarda Silva; Márcia Andreia Mesquita Silva da Veiga FFCLRP-USP
EA 05	ELEMENTAL ANALYSIS OF HOPS SAMPLES SOLD IN BRAZIL USING X-RAY FLUORESCENCE José Augusto da Col; Pedro José de Souza Medeiros; Jéssica Hellen Chaves Viana; Duan Ceola UDESC; ESCM
EA 06	DIRECT SOLID ANALYSIS OF HIGH PURITY NIOBIUM CARBIDE FOR THE DETERMINATION OF LEAD BY HR-CS GF AAS Renata Nascimento Caetano; Guilherme Sousa Serafim; Daniel Lázaro Gallindo Borges UFSC
EA 07	EVALUATION OF OPERATING CONDITIONS FOR N₂-MIP USING EIEB AS A SAMPLE PREPARATION FOR USED LUBRICATING OIL Leonardo Brito Guimarães; Marcos Levi C. M. dos Reis; Sheylla Myrelle da S. Queiroz; Allison Gonçalves Silva; Guillermo Grindlay; Leonardo S. G. Teixeira; Fábio Alan Carqueija Amorim; Fábio de Souza Dias UFBA; UESC; IFBA; Universidad de Alicante (Spain)
EA 08	QUANTIFICATION OF INORGANIC CONSTITUENTS IN SLAUGHTER AND ORNAMENTAL FEED FISHES Amanda Silva de Jesus; Schneider Shayane Vieira Prescinca; Rennan Geovanny Oliveira Araujo; Sarah Adriana Rocha Soares UFBA
EA 09	DETERMINATION AND ASSESSMENT OF BIOACCESSIBILITY OF ESSENTIAL AND NON-ESSENTIAL ELEMENTS IN COMMERCIAL SEAFOOD BY ICP OES Maria das Graças Andrade Korn; Leilane Rodrigues Rantos; Rennan Reovanny Oliveira Araújo; Lais Araújo Souza; Daniele Cristina Muniz Batista dos Santos UFBA; UFPE
EA 10	BIOACCESSIBILITY AND BIOAVAILABILITY STUDIES OF ENTERAL/PARENTERAL FORMULAS ADMINISTERED FOR PATIENTS IN CRITICAL HEALTH CONDITIONS Andrea Pinto de Oliveira; Patrícia de Andrade Nascimento; Camila Confortin; Francisco Filipak Neto; Ciro Alberto de Oliveira Ribeiro; Rafaella Regina Alves Peixoto

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	UFPR; UFF
EA 11	DETERMINATION OF COPPER USING NANOPARTICLE ENHANCED LIBS WITH IN-SITU REDUCTION OF AgNPs ON PAPER SUBSTRATE Nilvan Alves da Silva; Ivo Milton Raimundo Junior UNICAMP
MASS SPECTROMETRY: EM 01 - EM 15	
EM 01	SINGLE-CELL ICP-MS/MS UNCOVERS CHANGES IN ZINC MASS DISTRIBUTION IN HUMAN ENDOTHELIAL CELLS EXPOSED TO ALBUMIN AND FATTY ACIDS Ketolly Natanne da Silva Leal; Ana Beatriz Santos da Silva; Remi Fritzen; Claudia A. Blindauer; Alan J. Stewart; Marco Aurélio Zezzi Arruda UNICAMP; University of St Andrews (United Kingdom); University of Warwick (United Kingdom)
EM 02	CHEMICAL CHARACTERIZATION BY PAPER SPRAY MASS SPECTROMETRY OF THE AQUEOUS EXTRACT OF UVAIA PULP João Vitor Paris; Laura Lidia de Moraes Blaskievicz; Julio Cesar Ridolfi Salvador; Douglas DE Araujo Teixeira; Rodinei Augusti; Júlio Onésio Ferreira Melo; Luisa del Carmen Barrett Reina UFMT; UFMG; UFSJ
EM 03	SIMULTANEOUS DETECTION OF COCAINE AND ITS METABOLITES IN URINE SAMPLES BY DIRECT ANALYSIS USING PAPER SPRAY IONIZATION MASS SPECTROMETRY Nathália dos Santos Conceição; Nayara Araujo Dos Santos; Emmily Travassos Alves; Sara Joaquina I. Dionisio; Wanderson Romão UFES
EM 04	STUDY OF CENTRIFUGATION TIME AND TEMPERATURE FOR THE ISOLATION OF INTERFACIAL MATERIAL FROM WATER/OIL EMULSIONS Luciara Costa de Souza; Lindamara Maria de Souza; Eliane Valéria de Barros; Cristina Maria dos Santos Sad; Valdemar Lacerda Júnior; Danielle Mitze Muller Franco; Gabriel Henry Moraes Dufraayer; Boniek Gontijo Vaz; Osvaldo Karnitz Junior; Luiz Silvino Chinelatto Júnior; Marcia Cristina Khalil de Oliveira; Wanderson Romão UFES; IFES- Vitoria; UFRJ; UFG; CENPES/PETROBRAS; IFES
EM 05	GC-MS AND PS-MS APPLIED ON LACTOSE ANALYSIS OF CLARIFIED BUTTER Túlio Miranda Sepulveda; Brenda Lee Simas Porto; Rodinei Augusti UFMG
EM 06	EVALUATION OF PLASTICIZER MIGRATION FROM CAPSULES INTO COFFEE USING HPLC-HRMS Júlia Célia Lima Gomes; Adriana Nori de Macedo; Brenda Lee Simas Porto UFMG
EM 07	ACCELERATED SYNTHESIS OF PHTHALIMIDE DERIVATIVES: INTRINSIC REACTIVITY EVALUATED BY PAPER SPRAY IONIZATION MASS SPECTROMETRY Camila Cristina Almeida de Paula; Ildefonso Binatti; João Victor Coelho Pimenta; Rodinei Augusti UFOP; CEFET-MG; UFMG
EM 08	EVALUATION OF IONIZATION CONDITIONS OF GENTAMYCIN IN ESI+ INTERFACE USING DIFFERENT MOBILE PHASE ADDITIVES Letícia Barros Leal; Amanda da Silva Rio; Maralene Ulberg Pereira; Rosana Gomes Ferreira; Bernardete Ferraz Spisso INCQS-Fiocruz
EM 09	A HIGH-THROUGHPUT METHODOLOGY FOR N-NITROSAMINES DETERMINATION IN MEDICINES USING DART-MS Almir Custodio Batista Junior; Ricardo Alves Bernardo; Yurl Arrates Rocha; Boniek Gontijo Vaz; Marc Yves Chalom; Antonio Celso Jardim; Andréa Rodrigues Chaves



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	UFG; UFPR; SENS Advanced Mass Spectrometry, SP
EM 10	DIET AND EXERCISE-ASSOCIATED LIPID ALTERATIONS IN ZEBRAFISH MODEL VIA LC-MS AND CHEMOMETRICS Almir Custodio Batista Junior; Jussara Valente Roque; Lanaia Itala Louzeiro Maciel; Moises Silvestre de Azevedo Martins; William Franco Carneiro; André Rodrigues da Cunha Barreto Vianna; Andréa Rodrigues Chaves; Ricardo Alves Bernardo UFG; UFLA; UFPR
EM 11	A MINATURIZED SAMPLE PREPARATION METHODOLOGY FOR PESTICIDES DETERMINATION IN SOYBEANS VIA LC-MS Tiago Moreira de Lacerda; Almir Custodio Batista Junior; Andréa Rodrigues Chaves UFG
EM 12	BEAN SOAKING METHODS: WHICH ONE PERFORMS BETTER IN ANTINUTRIENTS REMOVAL? Brícia Marques Parreiras; Adriana Nori de Macedo; Brenda Lee Simas Porto UFMG
EM 13	SELENIUM-ENRICHED FLAXSEED: COMPARATIVE EFFECTS OF Se⁴⁺, Se⁶⁺ AND NANO-SEO ON PLANT DEVELOPMENT Gregorio Morais Saravia; Thales Vinícius de Oliveira Martins; Fernanda Costa Pinheiro; Daniela Santos Anunciação; Adriana Nori de Macedo; Letícia Malta Costa UFMG; UFAL
EM 14	DETERMINATION OF TREATMENT DOSAGE FOR METABOLOMICS ANALYSIS OF CANNABINOID EFFECTS IN AN ALZHEIMER'S DISEASE CELL MODEL Thales Fernando Dias Pereira; Alessandra Sussulini UNICAMP
EM 15	HIGH RESOLUTION LC-MS/MS METHOD DEVELOPMENT FOR N-NITROSAMINE DETERMINATION IN A WATER TREATMENT PLANT Gabriel Matias da Silva; Lelouda-Athanasia Koronaiou; Gustavo Guerreiro Candido Soares; Luiz Alberto Beraldo Moraes; José Mauricio Rosolen; Dimitra A. Lambropoulou FFCLRP-USP; Aristotle University of Thessaloniki (Greece); Center for Interdisciplinary Research and Innovation (Greece); USP/ CNAI
ANALYTICAL INSTRUMENTATION: IA 01 - IA 13	
IA 01	DEVELOPMENT OF LOW-COST IOT ANALYTICAL PLATFORM FOR MONITORING ATMOSPHERIC HYDROGEN SULFIDE USING UNMANNED AERIAL VEHICLE Vanderli Garcia Leal; Habledias A. Silva-Neto; Sidnei G. da Silva; Wendell K. T. Coltro; João Flávio S. Petrucci UFU;UFG
IA 02	BATCH INJECTION ANALYSIS FOR COLORIMETRIC MEASUREMENTS USING THE AS7341 MULTICHANNEL COLOR SENSOR Arthur Lins de Omena; Diogo Morais de Jesus; Caio Cesar Souza Machado; João Marcos de Castro Xavier; Márcio Peres de Souza; Sidnei Gonçalves da Silva; Eduardo Mathias Richter UFU
IA 03	DEVELOPMENT OF AN AUTOMATED IOT SYSTEM FOR DETECTING ADULTERANTS IN COCAINE SAMPLES Cecília Muquiuti Falaguasta; Caio Cesar Souza Machado; Diogo Morais de Jesus; Yugo Satoshi Nagao da Mota; Sidnei Gonçalves da Silva UFU
IA 04	DEVELOPMENT OF AN IOT MEASUREMENT CELL FOR THE DETERMINATION OF TOTAL PHENOL IN WATER Beatriz Matias Privato; Caio Cesar Souza Machado; Diogo Morais de Jesus; Yugo Satoshi Nagao da Mota; Sidnei Gonçalves da Silva UFU

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IA 05	DEVELOPMENT OF A PORTABLE SMART-PHOTOMETER FOR ON-SITE PHOTOMETRIC ANALYSIS Diogo Morais de Jesus; Felipe Delaqua; Sidnei Gonçalves UFU
IA 06	USE OF PORTABLE RAMAN SPECTROSCOPY COMBINED WITH CHEMOMETRICS FOR ANALYSIS OF AUTHENTICITY OF SEIZED GEMS Alan Reinke Pereira; Thaynara Vivaldi Natividade; Márcia Helena Cassago Nascimento; Jandira Maria de Oliveira Bone Brandão; Nayara Araujo dos Santos; Bruno Magela de Melo Siqueira; Paulo Roberto Filgueiras; Wanderson Romão INCT-Forense; IFES; UFES; PC-ES
IA 07	COMBATING 'DATE RAPE' DRUGS: RAPID COLORIMETRIC DETECTION OF MIDAZOLAM IN ALCOHOLIC BEVERAGES Nathália Vilas Boas Mestanza; Guida Hellen Mota do Nascimento; William Reis de Araujo UNICAMP
IA 08	COLORIMETRIC DETECTION OF ACIDITY USING COBALT COMPLEX AND SMARTPHONE-ASSISTED PAPER-BASED ANALYTICAL DEVICES Larissa Garcia Velasco; Nikaele Sousa Moreira; Wendell Karlos Tomazelli Coltro UFG
IA 09	SELECTIVE LITHIUM LEACHING USING LACTIC ACID Gabriel Oliveira uebe; Kaíque A. M. L. Cruz; Maria do Carmo Espanhol UFV
IA 10	DEVELOPMENT OF A LOW-COST METHOD USING DIGITAL IMAGES FOR DETERMINING PHOSPHORUS IN SOFT DRINK Marcelo Eça Rocha; Douglas G. da Silva; Leane S. Nunes; Queila O. dos Santos; Marcos Vinícius S. Soares; Eliandra N. Santos; Thiago dos Santos Bomfim; Daniel de M. Silva; Ariskleber M. Santos UESB; IFBA; PROFQUI
IA 11	INTEGRATING A 10-CHANNEL COLOR SENSOR IN DIY MULTICOMMUTED FLOW INJECTION ANALYSIS WITH MINI PERISTALTIC PUMP Sidnei Goncalves da Silva; Diogo Morais de Jesus; Caio Cesar Souza Machado; Yugo Satoshi nagao da Mota UFU
IA 12	MONITORING LACTOSE HYDROLYSIS USING CAPILLARY ELECTROPHORESIS COUPLED WITH A DIODE ARRAY DETECTOR (CE-DAD) Mauricio Matheus Lucio Pereira; Hellen Inácia dos Santos; Gerson Francisco Duarte Junior; Wendell Karlos Tomazelli Coltro UFG
IA 13	DETECTION OF SURFACTANTS USING A HYDROPHOBIC NATURAL DEEP EUTECTIC SOLVENT AND A DIGITAL IMAGE-BASED METHOD Vagner Bezerra dos Santos; Thomas Tributino dos Santos; Lucas Ayres; Helayne Santos; Carlos Garcia; Willian Toito Suarez UFPE; Clemson University; UFV
SEPARATION METHODS: MS 01 - MS 13	
MS 01	EFFECT OF MOBILE PHASE COMPOSITION ON RETENTION TIME OF DITHIOCARBAMATE COMPLEXES IN LIQUID CHROMATOGRAPHY-MASS SPECTROMETRY Vanessa Farelo dos Santos; Gabriel Reis Alves Carneiro; Sérgio de Paula Machado; Henrique Marcelo Gualberto Pereira UFRJ
MS 02	COBALT RECOVERY FROM SPENT LI-ION BATTERIES USING EXTRACTION WITH DEEP EUTECTIC SOLVENT AND SEQUENTIAL ELECTRODEPOSITION Ueslei Giori Favero; Renê Chagas da Silva; Tiago Almeida Silva; Maria do Carmo Hespanhol UFV

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MS 03	DISPOSABLE PIPETTE FLOW EXTRACTION OF NITROSAMINES IN MEDICAMENTS USING MOLECULARLY IMPRINTED MONOLITHIC SORBENT Anizio Marcio de Faria; Allyson Leandro Rodrigues dos Santos UFU
MS 04	DEVELOPMENT AND VALIDATION OF METHOD FOR DETERMINATION OF SIX AUXINIC HERBICIDES IN MULTIPLE FORMULATIONS BY HPLC-UV Alan Victor Lucas; Tamires Mangetti e Silva; Isabelle Geovana de Farias Barros Cardarelo Corteva Agriscience
MS 05	OPTIMIZING OF DERIVATIZATION FOR AMPHETAMINES-TYPE SUBSTANCES IN BLOOD ANALYSIS BY GAS CHROMATOGRAPHY COUPLED TO MASS SPECTROMETRY Ludmila Duarte Boaventura; Sandro Cruz Chaves; Ricardo Mathias Orlando; Clésia Cristina Nascentes UFMG; Instituto Médico Legal
MS 06	USE OF GREEN BIO-BASED SOLVENTS IN THE ANALYSIS OF PHENOLIC COMPOUNDS AND COUMARINS IN AGED SUGARCANE SPIRITS Daniel Andrade Rabelo Lima; Eliete Costa Alves; Jeancarlo Pereira dos Anjos Centro Universitário SENAI CIMATEC; UFABC
MS 07	APPLICATION OF FAST-TWO DIMENSIONAL GAS CHROMATOGRAPHY IN ORGANIC GEOCHEMISTRY: A NEW METHOD EVALUATION Vinicius Barreto Pereira; Vitor Hugo dos Santos Góes; Raquel Vieira Santana da Silva; Helio J. P. Severiano Ribeiro; Georgiana Feitosa da Cruz; Débora de Almeida Azevedo UFRJ; UENF-Darcy Ribeiro
MS 08	GREEN SEPARATION OF RARE-EARTH ELEMENTS FROM DISCARDED NDFEB MAGNETS Thaís Silva Soares; Maria do Carmo Hespanhol UFV
MS 09	FAST AND HIGH-RESOLUTION METHOD FOR DETERMINING CATIONS IN ENVIRONMENTAL SAMPLES USING ION CHROMATOGRAPHY Ryan Guilherme Maurício França da Silva; Micherlane Maria da Silva; Krissia Vitória do Nascimento Moraes; Iago José Santos da Silva; Elvis Joacir de França; Mario Takayuki Kato; Maria José de Filgueiras Gomes UFRPE; UFPE; CRCN/NE
MS 10	A PROPOSAL ON THE QUALITY CONTROL STRATEGIES FOR GC×GC-TOFMS STUDIES OF CRUDE OIL SAMPLES Clarisse Lacerda Torres; Dayane Magalhães Coutinho; Raquel Vieira Santana da Silva; Mônica Cardoso Santos; Daniel Silva Dubois; Joelma Pimentel Lopes; Gabriela Vanini; Francisco Radler de Aquino Neto; Débora de Almeida Azevedo UFRJ; CENPES/Petrobras
MS 11	METHYLXANTHINES AND FLAVONOIDS IN GUARANA SEEDS: EFFECTS OF DIFFERENT DRYING TECHNIQUES AND UV RADIATION Priscilla Mello de Freitas Machado; Raildo Mota de Jesus; Ivon Pinheiro Lobo; Herick Macedo Santos; Madson Moreira Nascimento; Breno Santos Souza; Rosilene Aparecida de Oliveira; Andre Luiz Sampaio da Silva Junior UESC; CENTRO UNIVERSITÁRIO SENAI CIMATEC
MS 12	DEVELOPMENT, OPTIMIZATION AND VALIDATION OF A GREENER ACETONITRILE-FREE HPLC METHOD FOR RADIOPHARMACEUTICAL CHARACTERIZATION Gabriela Lemos Ribeiro de Souza; Amanda de Paulo Oliveira; Jhonatan Bispo de Oliveira; Cassiano Lino dos Santos Costa; Patterson Patricio de Souza; Marina Bicalho Silveira; Ildefonso Binatti CEFET-MG; UFMG; CDTN
MS 13	SIMPLE ANALYTICAL METHOD FOR DETERMINATION OF ETHYLENE GLYCOL AND PROPYLENE GLYCOL USING CAPILLARY ELECTROPHORESIS Layra Mandatto de Faria; Dosil Pereira de Jesus UNICAMP



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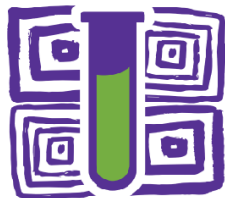
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SAMPLE PREPARATION: PREP 01 - PREP 29

PREP 01	DEVELOPMENT OF NEW ANALYTICAL TOOLS FOR COMPARISON AND PROCEDURE ASSURANCE OF CIGARETTE BRANDS SOLD IN BRAZIL Lucas Soares Rodrigues; Carlos Gérman Massone; José Marcus de Oliveira Godoy PUC-RIO
PREP 02	HYDROGEL-COATED MAGNETIC NANOPARTICLES FOR EXTRACTING EMERGING CONTAMINANTS IN AQUEOUS SAMPLES ANA PAULA DA ROCHA PREIDUM; Mateus Oliveira Müller; Bruno J. G Silva UFPR; UFPR; UFPR
PREP 03	UA-STDLLME FOR DETERMINATION OF ATRAZINE AND SIMAZINE IN COW MILK BY GAS CHROMATOGRAPHY COUPLED TO MASS SPECTROMETER Renata Gregorio Fucci; Thais Cuartes da Silvaa; Letícia Polli Glugoski Felipe; Beatriz Isabella Cestaro; Bruno José Gonçalves da Silva UFPR; UFPR; UFPR; UFPR; UFPR
PREP 04	EVALUATION OF THE NEW SIMPLIFY DIGESTOR AND DILUTED NITRIC ACID FOR ANALYSIS OF ANIMAL FOOD SAMPLES BY ICP-MS Rayane Cristina Viera Costa; José Anchieta Gomes Neto; Edilene Cristina Ferreira; Alex Virgílio; Elisabete Aparecida De Nadai Fernandes; Gabriele Rossini Moreira Unesp; CENA/USP
PREP 05	FEASIBILITY OF MATRIX SOLID-PHASE DISPERSION COMBINED WITH HRCS FAAS FOR DETERMINATION OF COPPER IN MILK-BASED INFANT FOODS Lisliane Kickofel; Ana Claudia Beduhn Luckow; Maiara Helena Mello Malinowski; Kaiane de Quevedo Ribeiro; Carlos Francisco Ferreira de Andrade; Ednei Gilberto Primela ; Bruno Meira Soares FURG
PREP 06	NATURAL DEEP EUTECTIC SOLVENTS: ENHANCING ELEMENTAL DETERMINATION EFFICIENCY IN ORA-PRO-NOBIS SAMPLES Helena Bezerra Ferrari; Luana Santos Moreira; Zanata Brandão Amorim; Geisamanda Pedrini Brandão; Maria Tereza Weitzel Dias Carneiro; UFES
PREP 07	DETERMINATION OF POLYCYCLIC AROMATIC HYDROCARBONS IN SOILS BY HYDROPHILIC MICROPOROUS CARTRIDGE BY DISPME AND GCXGC Jhonatan Bispo de Oliveira; Nathan de Souza Coelho; Patterson Patrício de Souza; Zenilda de Lourdes Cardeal UFMG
PREP 08	DETERMINATION OF TOBACCO SMOKE EXPOSURE BIOMARKERS IN URINE BY MMSPE, MICROWAVE-ASSISTED DERIVATIZATION AND GC-MS/MS Beatriz I. Cestaro; Noemi Nagata; Bruno José Gonçalves da Silva UFPR
PREP 09	MULTI-RESIDUE AND MULTI-MATRIX ANALYTICAL METHOD FOR QUANTIFYING N-NITROSAMINE IMPURITIES IN PHARMACEUTICAL PRODUCTS Marisa de Jesus Silva Chaves; Milena Finazzi Moraes; Vanderson da Silva Bispo; Carla Beatriz Grespan Bottoli UNICAMP
PREP 10	ENVIRONMENTALLY FRIENDLY SOLID-LIQUID PHASE MICROEXTRACTION OF PROPINEB AND MANCOZEB COUPLED WITH FIA-FAAS IN RICE AND TOMATO Fernanda Cristina de Oliveira Lopes Martins; Wanessa Melchert Mattos CENA/USP; ESALQ/USP
PREP 11	HYDROGEL DISKS AS A SORPTIVE PHASE FOR DETERMINATION OF PARABENS IN HUMAN URINE BY LC-DAD Andressa Marinho; Bruno José Gonçalves da Silva UFPR
PREP 12	CARBOXY-THC AS BIOMARKER FOR CANNABIS USE IN WASTEWATER ANALYSIS: EXPLORING STABILITY DURING SAMPLE PREPARATION

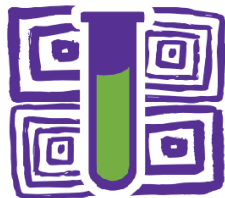


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	Antonio Pedro Nogueira Guimarães; Luiz E. T. Gomes; Hadassa S. R. P. Moura; Nickolas V. da Silva; Fábio M. S. Nascimento; Fernando Fabríz Sodré UnB
PREP 13	CADMIUM DETERMINATION IN CONDENSATES OF VAPING DEVICES (ELECTRONIC CIGARETTES): A LAB-MADE SYSTEM Leticia Miranda Rodrigues; Rafael Soares Stenico; Jesus Antonio Velho; Marcia Andreia Mesquita Silva da Veiga USP
PREP 14	SEPARATION OF HEMATITE (α-Fe₂O₃) NANOPARTICLES BY CLOUD POINT EXTRACTION Rafael Soares Stenico; Maycon Lucas de Oliveira; Márcia Andreia Mesquita Silva da Veiga; USP
PREP 15	PIGEON PEA FOR FOOD APPLICATION: EVALUATION OF BROMATOLOGICAL, TOTAL CONCENTRATION AND BIOACCESSIBLE FRACTION Marcelo Larsen de Lima Tozo; Ana Rita de Araujo Nogueira UFSCar
PREP 16	A MINIATURIZED APPROACH FOR N-NITROSAMINES QUANTIFICATION IN MEDICINES BY DISPOSABLE PIPETTE EXTRACTION AND LC-MS ANALYSIS Yuri Arrates Rocha; Almir Custodio Batista Junior; Gabriela Guimarães Rosa; Andréa Rodrigues Chaves UFG
PREP 17	NUTRIENTS AND CONTAMINANTS CHARACTERIZATION IN FISH SAMPLES COLLECTED FROM THE LOWER SÃO FRANCISCO RIVER Lorena Lima da Silva; Jeyssse Fátima Duarte; Carlos Alberto da Silva; Ana Rita de Araújo Nogueira UFSCar/ Embrapa Pecuária Sudeste; Embrapa Tabuleiros Costeiros
PREP 18	DETERMINATION OF PAHS IN SHRIMP SAMPLES FROM RIO GRANDE DO SUL STATE EMPLOYING VA-MSPD AND GC-MS/MS Anna Carolina Nickel Meireles; Jean Lucas de Oliveira Arias; Sergiane Caldas Barbosa; Verônica Simões de Borba; Sthefanie Lopes do Valle; Jônatas Kulzer; Luciana Tavares de Oliveira; Ednei Gilberto Primel FURG
PREP 19	CENTRAL COMPOSITE DESIGN FOR EVALUATING THE USE OF DEEP EUTECTIC SOLVENT IN THE EXTRACTION OF METALLIC ELEMENTS FROM PANCS Emanueli do Nascimento da Silva; Isabel Bastida Medeiros; Louise Aparecida Mendes UFOP
PREP 20	A GREEN ALTERNATIVE FOR BEE POLLEN SAMPLES PREPARATION FOR MULTI-ELEMENT DETERMINATION BY EDXRF Marcos Levi Cazaes Machado dos Reis; Luciano A. de Albuquerque; Leonardo S. G. Teixeira; Fabio de S. Dias UFBA
PREP 21	ULTRASOUND-ASSISTED EXTRACTION USING NADES AS A GREEN APPROACH FOR ELEMENTAL ANALYSIS IN COFFEE SAMPLES BY FAAS Giovanna Carneiro Costa; Luana Mothé Soares; João Batista Pereira Junior; Sérgio Luis Costa Ferreira; Francisco Antonio da Silva Cunha UFBA
PREP 22	A FAST ULTRASOUND-ASSISTED PRETREATMENT OF ALMOND FLOUR SAMPLES FOR POSTERIOR DETERMINATION OF Fe, Mn, Cu, K, AND Zn BY INDUCTIVELY COUPLED PLASMA OPTICAL EMISSION SPECTROMETRY Eduarda de Lima Guimarães; Caio Silva Assis Felix; Leonardo Sena Gomes Teixeira; Maria das Graças Andrade Korn UFBA
PREP 23	EVALUATION OF SAMPLE PREPARATION PROCEDURES FOR ALUM SLUDGE ANALYSIS AND ELEMENTAL DETERMINATION BY ICP OES



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	Thais Beatriz Miqueleti de Sena; Raquel Cardoso Machado; Ana Rita de Araujo Nogueira; Cauê Ribeiro de Oliveira USP / Embrapa Instrumentação/ Embrapa Pecuária Sudeste
PREP 24	AN ENHANCED APPROACH FOR SCREENING CHOCOLATE SAMPLES BY LIBS USING L-MENTHOL AS SUPPORT Luís Claudio Martins; Samara Soares; Maria do Carmo Hespanhol; Celio Pasquini; Fábio Rodrigo Piovezani Rocha CENA-USP; UFV; UNICAMP
PREP 25	ECO-FRIENDLY ULTRASOUND-ASSISTED EXTRACTION FOR THE ASSESSMENT OF As, Cd, Pb, AND Se CONCENTRATION IN OIL SLUDGES BY ICP-MS Fabiana Luvizon Germer; Marcos A. R. Tenorio; Guilherme Serafim; Michele S. P. Enders; Daniel L. G. Borges; Eduardo S. Chaves UFSC
PREP 26	ASSESSMENT OF TOTAL AND SOLUBLE CHLORINE AND FLUORINE CONCENTRATIONS IN BRAZILIAN TEAS BY ION CHROMATOGRAPHY Eduardo da Silva Macedo; Renan Guilherme Marim; Eduardo Sidinei Chaves UFSC
PREP 27	AN ACIDLESS MICROWAVE-ASSISTED WET DIGESTION OF BIOLOGICAL SAMPLES AS A GREENER ALTERNATIVE: APPLICATIONS FROM COVID MONITORING TO PLANT NANOBIO TECHNOLOGY Ana Beatriz Santos da Silva; Ketolly Natanne da Silva Leal; Marco Aurélio Zezzi Arruda Unicamp
PREP 28	NATURAL DEEP EUTECTIC SOLVENT AS EXTRACTOR AND SUPPORT FOR DETERMINATION OF METALS BY LASER INDUCED BREAKDOWN SPECTROSCOPY (LIBS) Samara Soares; Maria C. Hespanhol; Celio Pasquini ; Fábio R. P. Rocha CENA/USP; UFV
PREP 29	FEASIBILITY OF SOLID-LIQUID EXTRACTION FOR THE DETERMINATION OF Cl, F, AND S IN DRILL CUTTINGS BY ION CHROMATOGRAPHY Caroline Gonçalves; Ester Pavan Botelho; Renan Guilherme Marim; Eduardo Sidinei Chaves UFSC
ENVIRONMENTAL CHEMISTRY: QA 01 - QA 28	
QA 01	ORGANIC, INORGANIC AND PHYSICO-CHEMICAL PARAMETERS IN THE RAINWATER OF JOINVILLE, SANTA CATARINA Edmar Martendal Dias de Souza; Jéssica Halter; Pedro Schulz; William Henrique Slominski; Tatiane de Andrade Maranhão; Rafaely Ximenes Furtado; Catarina Diniz Pereira UESC; UFSC
QA 02	DETERMINATION OF TOTAL SELENIUM IN REGIONAL FOODS AND SOILS IN WESTERN AMAZON BY HG-ICP-OES Thiago Aluisio Maciel Pereira; Cássio da Silva Cabral; Iuri Aparecida da Silva Oliveira; Lucas Cabrera Monteiro; Walkimar Aleixo da Costa-Júnior; Wanderley Rodrigues Bastos; Jurandir Rodrigues de Souza UNB; UNIR
QA 03	QUANTIFICATION OF ESSENTIAL AND TOXIC ELEMENTS IN BLOOD PLASMA OF OBESE ADOLESCENTS FROM MUNICIPALITY SCHOOLS FROM FORTALEZA-CE Francisco Luan Fonsêca da Silva; Matheus Aragão Dias Firmino; Thaynan dos Santos Dias; Luis Felipe Nunes de Oliveira; Carla Soraya Costa Maia UECE
QA 04	TOWARDS THE MICROCONTAMINANTS REMOVAL IN WASTEWATER TREATMENTS PLANTS IN BRAZIL Jany Hellen Ferreira de Jesus; Karla Virginia Leite Lima; Agustín M. París-Reche; Ana Aguera; Raquel Fernandes Pupo Nogueira IQ-USP; IQ-UNESP; UAL-CIESOL

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QA 05	MULTIVARIATE ASSESSMENT OF SURFACE WATER QUALITY AND FINAL PUBLIC WATER SUPPLY IN BELÉM, PARÁ, BRAZIL Heronides Adonias Dantas Filho; Josélia Alves de Almeida Silva; Michelle de Souza Lemos; Neirivaldo Cavalcante da Silva UFPA
QA 06	ANALYSIS OF ENVIRONMENTAL POLLUTION IN THE FRASCO IGARAPÉ IN AN URBANIZED AREA Mirla Janaina Augusta Cidade; Francisco Rony Barreto Alves; Francisco dos Santos Panero; Wilson Botelhos do Nascimento Filho; Rosana Ferreira de Sousa UFRR; EAGRO
QA 07	MOLECULAR ORGANIC GEOCHEMISTRY IN MARINE SEDIMENTS AT THE CABO FRIO UPWELLING SYSTEM - RJ Rafael Silva Santana; Vinicius Barreto Pereira; Ana Luíza Spadano Albuquerque; Debora de Almeida Azevedo UFRJ; UFF
QA 08	EFFECT OF THE ADDITION OF POLYMERS TO GREEN COCONUT FIBER BIOMASS FOR THE PRODUCTION OF BIO-OIL WITH A HIGH CONTENT OF HYDROCARBONS Jaderson Kleveston Schneider; Dayane Melo Santos; Yasmine Braga Andrade; Paulo Natan Alves dos Santos; Elina Bastos Caramão UNIPAMPA; UNIT; INCT E&A
QA 09	UNVEILING THE PRESENCE OF POTENTIALLY TOXIC ELEMENTS IN COMMERCIAL BEAN SAMPLES FROM MEXICAN SUPERMARKETS Gustavo Flores; Matheus Silva Gigante; Morgana Bazzan Dessuy; Leandro Kolling; Laura Hinojosa Reyes; Márcia Messias da Silva; Maria Goreti Rodrigues Vale; Jorge Luis Guzman Mar UFRGS; UANL
QA 10	WASTEWATER BASED EPIDEMIOLOGY TO ESTIMATE ANTIBIOTICS CONSUMPTION IN FEDERAL DISTRICT Pedro Judah de Moura Messias; Antonio Pedro Nogueira Guimaraes; Fábio Marley de Sousa Nascimento; Hadassa de Sousa Pontes Ramos Moura; Luiz Eduardo Thans Gomes; Fernando Fabriz Sodré UNB
QA 11	DEVELOPMENT OF NEW ION IMPRINTED POLYMERS (IIPS) USING DITHIZONE AS A BINDING AGENT FOR THE SELECTIVE REMOVAL OF Pb²⁺ IONS IN REAL WATER SAMPLES COLLECTED FROM MINING AND AGRICULTURAL AREAS Pieer Martin Rodriguez Gomez; Flor de Liss Meza Lopez; Jaime Ricardo Vega Chacon; Gino Ítalo Picasso Escobar Universidad Nacional de Ingeniería (Peru)
QA 12	DETERMINATION OF ALIPHATIC AND AROMATIC HYDROCARBONS IN THE SEDIMENTARY ORGANIC MATTER OF THE AMAZON RIVER AND STREAMS INTERSECTING PARINTINS (AM) Andreza Pinheiro Nunes; Otorvan Conrado dos Anjos; Moacir Guimarães de Melo; Giovana Anceski Bataglioni UFAM
QA 13	DUAL AND COMBINED EFFECTS OF DIMETHYL AND DIETHYL PHTHALATES ON THE VIABILITY OF HUMAN SKIN FIBROBLASTS HUMAN Nayara Silva Fraga; Josimar Marques Batista; Thais Fernandes Bassani; María José González Armijos; Michele Angela Rodrigues; Dawidson Assis Gomes; Zenilda de Lourdes Cardeal; Helvécio Costa Menezes UFMG
QA 14	RECYCLING OF TOBACCO WASTES IN THE DEVELOPMENT OF ULTRA - HIGH SURFACE AREA ACTIVATED CARBON Angélica de Fátima Bortolato Piccioli; Affonso Celso Gonçalves Jr.; Daniel Schwantes; Bianca Pierina Carraro; Emanuel Sobocinski Zanini; Elio Conradi Jr.; Aline Snak UNIOESTE; PUC-Chile



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QA 15	HIGHLY POROUS ACTIVATED CARBON FROM RECYCLED TOBACCO WASTE: A PROMISING ADSORBENT FOR THIAMETHOXAM REMOVAL Affonso Celso Gonçalves Junior; Angélica de Fátima Bortolato Piccioli; Daniel Schwantes; Bianca Pierina Carraro; Emanuel Sobocinski ZAnini; Elio Conradi JR.; Aline Snak UNIOESTE; PUC-Chile
QA 16	ASSESSMENT OF POTENTIALLY TOXIC ELEMENTS BIOAVAILABILITY IN SOILS NEAR A MINE AREA: EXPLORING THEIR UPTAKE BY COMMON BEANS Matheus Silva Gigante; Morgana Bazzan Dessuy; Leandro Kolling; Laura Hinojosa Reyes; Márcia Messias da Silva; Jorge Luis Guzmán Mar Universidad Autónoma de Nuevo León (Mexico); UFRGS
QA 17	EXOGENOUS AND ENDOGENOUS HUMAN BIOMARKERS FOR POPULATION NORMALIZATION IN WASTEWATER-BASED EPIDEMIOLOGY Fábio Marley de Sousa Nascimento; Antonio Pedro Nogueira Guimarães; Pedro Judah de Moura Messias; Hadassa de Souza Ramos Pontes Moura; Luiz Eduardo Thans Gomes; Fernando Fabriz Sodrê UNB
QA 18	TENTATIVE IDENTIFICATION OF FLAVONOIDS IN BASIL LEAVES BY DESORPTION ELECTROSPRAY IONIZATION MASS SPECTROMETRY IMAGING AFTER CD CONTAMINATION Vânia de Lourdes das Graças Teles; Letícia Malta Costa; Rodinei Augusti UFAL; UFMG
QA 19	DEVELOPMENT OF A LABMADE DEVICE BASED ON HG ADSORPTION SYSTEMS BY MELAMINE RESIN Carlos Henrique Barros de Melo Filho; Marcos Felipe Miranda Ferreira; Cintya D'Angeles do Espírito Santo Barbosa; Rodrigo da Silva Viana; Vania de Lourdes da Graças Teles; Daniela Santos Anunciação UFAL
QA 20	FEASIBILITY OF A DOMESTIC MICROWAVE FOR LANTHANUM EXTRACTION FROM FLUIDIZED CATALYTIC CRACKING CATALYST Eloisa Tofolo Elicker; Klaiani Bez Fontana; Elias Paiva Ferreira Neto; Eduardo Sidney Chaves; Tatiane de Andrade Maranhão UFSC
QA 21	DETERMINATION OF CR IN DUST SAMPLES FROM INDOOR ENVIRONMENTS OF FLORIANÓPOLIS AND JARAGUÁ DO SUL BY SUSPENSION AND GFAAS Maristela Francisca da Silva UFSC
QA 22	FRACTIONATION OF RARE EARTH ELEMENTS IN BRAZIL'S LARGEST CERAMIC PRODUCTION DISTRICT USING DGT AND CONVENTIONAL SAMPLING Jose Lucas Martins Viana; Isabella C. P. da Silva; Melina B. T. Zanatta; Lucas Venciguerra; Luiz F. P. P. Moreira; Ana B. Silva; Amauri A. Menegário UNESP
QA 23	DETERMINATION OF METALS AND ANIONS IN PARTICULATE MATTER BY ICP-MS AND IC: A CHEMOMETRICAL ANALYSIS OF INDOOR AIR QUALITY BEHAVIOR Eduardo da Costa Ilha; Letícia Fernanda Nogueira Bernardes; Victor Georges Santos Elgamal; Diego Galvan; Tatiane de Andrade Maranhão UFSC
QA 24	PRODUCTION AND EVALUATION OF BODIESELS FROM SOYBEAN OILS ORIGINATING FROM DIFFERENT PROCESSES Henrique Martins Nogueira; Brenda Lee Simas Porto UFMG
QA 25	LEACHING CHARACTERISTICS OF METALS AND SEMIMETAL (As) FROM GEOPOLYMER SYNTHESIZED WITH BAUXITE WASHING CLAY AND SODIUM HYDROXIDE Igor Alexandre Rocha Barreto; Marcondes Lima da Costa; Kelly das Graças Fernandes Dantas; Allan da Silva Cruz UFPA

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QA 26	EVALUATION OF INORGANIC CONTAMINANTS IN SEDIMENTS AND SURFACE WATERS OF THE DOCE RIVER BASIN AFTER THE RUPTURE OF THE FUNDÃO DAM Nathália rodrigues de oliveira; letícia malta costa; fernanda costa pinheiro; josé fernandes bezerra neto; mariana Ramos de Almeida; Ana Luisa Pena Oliveira UFMG
QA 27	INTEGRATED SYSTEM FOR HG ADSORPTION AND MONITORING PHYSICOCHEMICAL PARAMETERS IN AQUATIC ECOSYSTEMS Marcos Felipe Miranda Ferreira; Vânia de Lourdes das Graças Teles; Rodrigo da Silva Viana; Daniela Santos Anunciação; Cintya D Angeles do Espírito Santo Barbosa; Carlos Henrique Barros de Melo Filho UFAL
QA 28	FIRST EVIDENCE OF MICROPLASTIC CONTAMINATION IN FRESHWATER FROM THE CAUAMÉ RIVER, NORTHERN AMAZON Jackiely dos Santos Silva; Ana Carolina Dolzany Sousa; Leila Braga Ribeiro; Franciele Oliveira Campos da Rocha UFRR
CHEMOMETRICS: QM 01 - QM 15	
QM 01	DISCRIMINATION AND QUANTIFICATION OF SUGAR SYRUPS-BASED ADULTERATION IN HONEY USING UV-VIS FINGERPRINTING AND CHEMOMETRICS Luana Leal de Sousa; Valeria Springer; Edilene Dantas Telles Moreira; Paulo Henrique Gonçalves Dias Diniz; David Douglas de Sousa Fernandes UEPB; Universidad Nacional del Sur (Argentina); UFPB, UFOB
QM 02	USE OF SPECTROMETRY IN THE NEAR INFRARED REGION TO IDENTIFY STREET COCAINE SAMPLES Kaique Augusto Moreira Lourenço Cruz; Letícia Premoli Foli; Adriano Otávio Maldaner; Celio Pasquini; Maria do Carmo Hespanhol UFV; Instituto Nacional de Criminalística; UNICAMP
QM 03	CLASSIFICATION OF ROASTED COFFEES USING VOLATILE COMPOUNDS AND CHEMOMETRIC TOOLS Bruna Luiza Duarte Guedes; Winston Pinheiro Claro Gomes; Gisele Gonçalves Bortoleto ; Wanessa R. Melchert ESALQ-USP; CENA-USP; FATEC
QM 04	USE OF MIP OES FOR DETERMINING THE MINERAL COMPOSITION IN COFFEE POWDER SAMPLES PRODUCED IN BAHIA: PCA TREATMENT Cleber Galvão Novaes; Victor Miranda Amazonas; Priscilla Caroso da Rocha; Naiara dos Santos Brandão; Marcio José Silva dos Santos; Allison Gonçalves Silva; Nuno Avelar Nascimento; Erik Galvão Paranhos da Silva UESB; IFBA; UESC
QM 05	EVALUATION OF THE UV-VIS REGION TO PREDICT α-ACIDS IN SOLID HOP SAMPLES Rita de Cássia Malho Alves; Winston Pinheiro Claro Gomes; Wanessa Melchert Mattos CENA-USP; ESALQ-USP
QM 06	CHEMICAL COMPOUNDS AND CHEMOMETRIC MODELS FOR DISCRIMINATION OF ROASTED COFFEES Gabriela Maria Rodrigues do Nascimento de Alcantara; Winston Pinheiro Claro Gomes; Gisele Gonçalves Bortoleto; Wanessa R. Melchert CENA-USP; FATEC; ESALQ-USP
QM 07	SUPERVISED CLASSIFICATION OF COFFEA CANEPHORA AND COFFEA ARABICA USING DSC, NIR SPECTROSCOPY AND DATA FUSION Hélio Milito Martins de Amorim Neto; Enrico Moreira Puppim Zago; Elionai Cassiana Lima Gomes; Marcelo Martins de Sena UFMG
QM 08	EMPLOY OF A CHEMOMETRIC TOOL FOR CRITICAL EVALUATION OF THE PROCEDURES USED FOR SOIL DRYING



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	William Quaresma Ferreira; João Batista Pereira Junior; Liz Oliveira dos Santos; Sérgio Luis Costa Ferreira UFBA; UFRB
QM 09	DETERMINING THE CONTENT OF PARACETAMOL USING MACHINE LEARNING WITH THE USE OF A SMARTPHONE Rosana Ferreira de Sousa; Francisco dos Santos Panero; Mirla Janaina Augusta Cidade; Sara Thayna Fernandes Rocha; Pedro dos Santos Panero; Wilson Botelho Nascimento Filho UFRR; IFRR
QM 10	UNDERSTANDING AND PREDICTING THE ENVIRONMENTAL DISPERSION OF IRON OXIDE NANOPARTICLES: A COMPREHENSIVE STUDY ON SYNTHESIS, CHARACTERIZATION, AND MODELING Maycon Lucas de Oliveira; Juliana Cancino Bernardi; Márcia Andreia Mesquita Silva da Veiga USP
QM 11	NEURO-FUZZY NETWORKS AND THE STUDY OF THE PH AQUATIC ENVIRONMENT IN ILHÉUS, BAHIA Nuno A. Nascimento; Mavione J. Primo; Fábio Alan C. Amorim; Erik Galvão Paranhos da Silva UESC
QM 12	VOLATILE PROFILE OF CASCARAS FLOUR OF ROBUSTA AMAZONICA COFFEE BY SPME-GC-MS AND PCA Juliana Fernandes de Sousa; Lívia de Lacerda de Oliveira UnB
QM 13	3D FLUORESCENCE SPECTRUM DECOMPOSITION STRATEGIES COUPLED TO ONE-CLASS MODELS FOR BACTERIAL DETECTION IN WATER Ellisson Henrique de Paulo; Matheus Pinheiro Badaró Moreira; Pâmela Ketolen Vieira da Cruz; Esthela Barbará dos Santos; Márcia Helena Cassago Nascimento; Otávio Arruda Heringer; Paulo Roberto Filgueiras; Marco Flôres Ferrão UFRGS; Tommasi Ambiental; UFES
QM 14	QUANTIFICATION OF GLUTAMINE IN WHEY PROTEIN USING PORTABLE NEAR INFRARED SPECTROPHOTOMETER AND MULTIVARIATE CALIBRATION MIRELLY ALEXANDRE GOMES; Claudete Fernandes Pereira UFPE
QM 15	DATA DRIVEN SOFT INDEPENDENT MODELING OF CLASS ANALOGY (DD-SIMCA) FOR AUTHENTICATION OF ARGENTINE TEA Larissa Oliveira Onça; Paulo Henrique Gonçalves Dias Diniz; Ivan Špánik; Adriano de Araújo Gomes UFRGS; UFOB; Institute of Analytical Chemistry, Bratislava (Slovakia)
OTHERS: OUT 01 - OUT 21	
OUT 01	DEVELOPMENT AND APPLICATION OF ADVANCED SOFTWARE FOR ISOTOPIC RATIO ANALYSIS OF ORBITRAP-MS DATA Hugo Gontijo Machado; Giovanni Bonatti Bevilaqua; Gabriel Franco dos Santos; Júlio César O. Ribeiro; Boniek Gontijo Vaz UFG
OUT 02	CATALYTIC PYROLYSIS OF PLASTICS ON LABORATORY SCALE: EXPERIMENTAL CONDITIONS AND CHEMICAL CHARACTERIZATION Marcos Canto Machado; Ana Beatriz dos Santos Mattos; Renato Rodrigues Ferreira CETEC/FIEC
OUT 03	COMPREHENSIVE MOLECULAR CHARACTERIZATION OF COMPLEX ORGANIC MIXTURES OF BIO-OIL COPROCESSED WITH VACUUM RESIDUE IN THE DELAYED COKING PROCESS Raquel Vieira Santana Silva; Vanessa de Oliveira Nunes; Vinicius Barreto Pereira; Karen Trevizani Stelzer; Adriana Moret Borges; Andrea Pinho; Débora de Almeida Azevedo UFRJ; CENPES-Petrobras
OUT 04	PHYTOCANNABINOIDS STABILITY STUDY IN MEDICINAL EXTRACTS OF CANNABIS SATIVA L, UNDER DIFFERENT STORAGE CONDITIONS



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	Aline Theodoro Toci UNILA
OUT 05	ANALYSIS OF VINEGAR FROM DIFFERENT MATRIXES BY ICP OES AFTER SIMPLE DILUTION Altamar da Cruz Luciano; Rennan Geovanny Oliveira Araujo; Sarah Adriana Rocha Soares UFBA
OUT 06	COFFEE HUSKS INCORPORATED INTO BIODEGRADABLE CASSAVA STARCH BASED FILMS Lara Solange Bastos de Almeida; Bruna de Oliveira Gomes; Wanessa R. Melchert CENA-USP; ESALQ-USP
OUT 07	STUDY OF THE STABILITY OF ALCALASE IMMOBILIZED IN ION EXCHANGE RESIN Aliou Toro Lafia; Winston Pinheiro Claro Gomes; Wanessa R. Melchert CENA-USP, ESALQ-USP
OUT 08	INFLUENCE OF ROASTING ON THE ANTIOXIDANT ACTIVITY IN COFFEE BEANS Maryane Montagner de Moura; Winston Pinheiro Claro Gomes; Wanessa R. Melchert USP
OUT 09	ANALYTICAL CHARACTERIZATION OF $KCa_2NB_3O_{10}$ OBTAINED BY BIOINSPIRED GREEN MATERIAL Sergio Roberto Mortari; Claudir Gabriel Kaufmann Junior; Daniel Moro Druzian ; Rubia Young Sun Zampiva; Denise Croce Romano Espinosa; Edson Luiz Seibert ; William Leonardo da Silva UFN;Sapienza Università di Roma; USP; UFTPR
OUT 10	MICELLAR SOLUBILIZATION AS A STRATEGY TO MEASURE THE CRUDE OIL ACIDITY BY POTENTIOMETRIC TITRATION Luana Negrís; Geisamanda P. Brandão; Maristela A. Vicente; Maria de Fátima P. Santos UFES
OUT 11	ACCESSIBILITY OF COMPOUNDS PRESENT IN GRAPE POMACE Guilherme da Silva Almeida; Winston P. C. Gomes; Wanessa R. Melchert ESALQ-USP; CENA-USP
OUT 12	FEASIBILITY OF USING L-CYSTEINE CAPPED AGINS₂ QUANTUM DOTS FOR FLUORIMETRIC DETERMINATION OF CHROMIUM Kerolaine Souza Batista; Rodolfo de Melo Magalhães Santana; Leonardo Sena Gomes Teixeira UFBA
OUT 13	SPECTROPHOTOMETRIC DETERMINATION OF TARTRAZINE YELLOW DYE IN NUTRITIONAL AND PHARMACEUTICAL SUPPLEMENTS Augusto Cezar Magalhaes Aleluia; Mariana Moitinho Ferraz de Oliveira; Ruan Barbosa Sales; Mário Marques; Anaildes Lago de Carvalho; Douglas Gonçalves da Silva UESB; UFSB
OUT 14	EVALUATION OF THE USE OF ORA PRO NOBIS, OKRA, AND ALOE VERA AS SUBSTITUTES FOR MERCURY IN ARTISANAL GOLD EXTRACTION Roberta Eliane Santos Froes; Daiana Rocha do Espírito Santo; Yasmin Terres Ferreira; Camila Alves Arcanjo; Alexandre Augusto Brandão; Ananda Lima Sanson UFOP
OUT 15	ELEMENTAL MAPPING BY LIBS TO EVALUATE THE IRON ENRICHMENT EFFECTS IN FISH PLANT (<i>HOULTUYNIA CORDATA THUNB.</i>) LEAVES Leon de Oliveira Lima; Aline Pereira Oliveira; Higor Bolignato de Oliveira; Juliana Naozuka; Cassiana Seimi Nomura USP; UNIFESP
OUT 16	BIOAVAILABILITY OF NUTRIENTS FROM VITREOUS FERTILIZER AND UREA COMPOSITE COATED IN HYDROGEL MATRIX Pascoal Francisco Nhamue; José Hermes da Silva Soares; Amauri Garcia Filho; Alberto Carlos de Campos Bernardi; Alessandra Maria da Silva Ordes; Eduardo Bellini Ferreira; Danilo Manzani; Ana Rita de Araujo Nogueira UFSCar; IQSC/USP; Embrapa Pecuária Sudeste; Central Paulista University Center; EESC/USP



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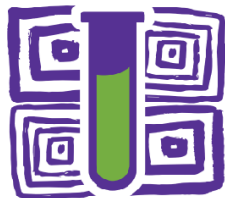
OUT 17	URINALYSIS: DEVELOPMENT COLORIMETRIC POINT-OF-CARE PAPER-BASED SENSOR FOR A QUANTIFICATION OF CREATININE USING SMARTPHONE READOUT Dafni Freire Preto Matsumura; Angélica de Brito Sousa; Everson Thiago Santos Gerônimo UFPI
OUT 18	MACRO AND MICROSCOPIC VIEWS OF THE OCCURRENCE OF CHEMICAL REACTIONS WITH A HYDRAZONE DERIVATIVE Aldeneide Soares de Paiva; Leilane Gomes Rodrigues; Priscila Teixeira Silva; Hécio Silva dos Santos; Murilo Sérgio da Silva Julião UEVA; UECE
OUT 19	MICROWAVE-ASSISTED DERIVATIZATION FOR DETERMINATION OF PROLINE IN HONEY AND WINE BY VISIBLE SPECTROPHOTOMETRY Ivon Pinheiro Lôbo; Amanda de Aguiar Barreto; Maryellen Batista dos Santos; Lara Pinto de Araújo; Madson Moreira Nascimento; Raildo Mota de Jesus UESC; UFBA
OUT 20	IDENTIFICATION OF MILK ADULTERATION WITH HYPOCHLORITE ADDITION BY DIGITAL IMAGE COLORIMETRY Camilla D. Machado; Oldair D. Leite; Eder. L. M. Flores; Marcos A. Bechlin UTFPR
OUT 21	DEVELOPMENT OF A STARCH-BASED OPTOELECTRONIC NOSE FOR MONITORING OF FOOD DETERIORATION Bárbara Cristina Dias; João Flávio da Silveira Petrucci; Antonio Carlos Roveda Júnior; Danilo Manzani UFU; USP

POSTER SESSION II

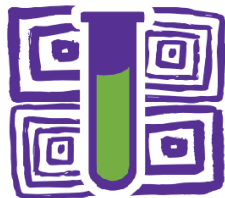
SEPTEMBER 17th (TUESDAY): 13:30–14:45 H

ELECTROANALYTICAL: ELE 34 - ELE 67

ELE 34	DEVELOPMENT OF MODIFIED DISPOSABLE ELECTRODES FOR LITHIUM QUANTIFICATION IN PHARMACEUTICAL SAMPLES USING LINEAR SWEEP VOLTAMMETRY Cyro Lucas Silva Chagas; Leticia Lopes Ferreira; Aline Jennifer de Souza Santos UNB
ELE 35	VOLTAMMETRIC DETERMINATION OF PARAOXON USING APRINTED ELECTRODE MODIFIED WITH ELECTROCHEMICALLY REDUCED GRAPHENE OXIDE Rafael Luiz Zamboni; Cristiane Kalinke; Luis Marcos Cerdeira Ferreira; Elisa Souza Orth; Marcio Fernando Bergamini; Luiz Humberto Marcolino Junior UFPR
ELE 36	GREEN SCREEN-PRINTED SENSOR USING LIG AND AUBNPS FOR VOLTAMMETRIC DETERMINATION OF GLUTATHIONE Juliana Martins Dias; Ketley Caroline Rocha Pereira; Elsa Materon; Cecilia de Carvalho Castro e Silva; Daiane Dias FURG; Mackenzie
ELE 37	PRODUCTION OF HYDROGELS FOR USE AS ELECTROCHEMICAL CELLS IN THE ANALYSIS OF CARBENDAZIM USING 3D-MINISENSORS Wallace Burger Veríssimo de Oliveira; Gabriela Couto da Silva; Raylla Santos Oliveira; Pedro Henrique de Souza Leite Rocha; Cassiano Cunha de Souza; Thalles Pedrosa Lisboa; Maria Auxiliadora Costa Matos; Renato Camargo Matos UFJF
ELE 38	DISPOSABLE ELECTROCHEMICAL SENSOR FOR DETECTING 3-NITROTYROSINE USING LOW COST CARBON-BASED CONDUCTIVE INK

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	Gleidson Thiago de Sá Araújo; Júlia Maria Freitas Melo; Lucas Costa Faustino; Everson Thiago Santos Gerônimo da Silva UFPI
ELE 39	ELECTROCHEMICAL SENSOR BASED COCONUT BABASSU STARCH FOR DETERMINATION OF HYDROXYCHLOROQUINE João Pedro de Carvalho Silva; Gilvana Pereira Siqueira; Raquel Gomes Rocha; Eduardo M. Richter; Rodrigo A. A. Munoz; Iranaldo Santos da Silva UFMA; UFU
ELE 40	LAB-MADE CO₂ LASER-ENGRAVED ELECTROCHEMICAL SENSORS FOR IVERMECTIN DETERMINATION AURO ATSUSHI TANAKA; Dianderson Cristiano M. Ferreira; Nélio Inácio Gravata Inoqu; Luiza Maria Ferreira Dantas; Rodrigo Alejandro Abarza Munoz; Iranaldo Santos da Silva UFMA
ELE 41	ELECTROANALYTICAL METHOD FOR IVERMECTIN DETECTION USING A GLASSY CARBON ELECTRODE MODIFIED WITH SUPER-P CARBON BLACK Dianderson Cristiano Monteiro Ferreira; Rebeca Bezerra Praseres; João Pedro de Carvalho Silva; Luiza Maria Ferreira Dantas; Iranaldo Santos Da Silva UFMA
ELE 42	DETECTING SULFATHIAZOLE ANTIBIOTICS IN FOOD WITH MOLECULARLY IMPRINTED POLYMER-COATED QUANTUM DOTS Bianca Mortari; Ademar Wong; Rosa Fireman Dutra; sabir khan; Maria del pilar taboada sotomayor UNESP; UFPE; UESC
ELE 43	ELECTROCHEMICAL SENSOR BASED ON G-C3N4/CPE FOR CHLORAMPHENICOL DETERMINATION IN MILK SAMPLES Déborah de Oliveira Lopes UFT
ELE 44	MINIATURIZED ELECTROCHEMICAL SENSOR MODIFIED WITH AU NANOSTRUCTURES FOR NITRITE DETERMINATION IN TAP WATER Lívia Flório Sgobbi; João Vitor Fernandes Paiva; Daniel Araújo de Azevedo; Pedro Victor Valadares Romanholo; Sergio Antonio Spinola Machado; Maria Lurdes Felsner; Andressa Galli UFG; USP; UNICENTRO; UEL
ELE 45	ELECTROANALYTIC BEHAVIOR OF THE TRIMETHOXYBENZYLIDENIC DERIVATIVE OF HYDRALAZINE FELIPE WESLEY DE VASCONCELOS PAULINO; Fabriciany Lourenço Moreira; Maria Nicole Nascimento; Alexandre Magno Rodrigues Teixeira; Hélcio Silva Santos; Murilo Sérgio da Silva Julião UFCE; UEVA
ELE 46	DISPOSABLE ELECTROCHEMICAL SENSOR FOR DETERMINATION OF NITROFURAZONE ANTIBIOTIC IN COMPLEX MATRICES Fernando Henrique Cincotto; Francisco W. L. Silva; Cassiano A. R. Bernardino; João H. A. Ferreira; Júlia Oliveira Fernandes; Bernardo Ferreira Braz; Claudio F. Mahler; Ricardo E. Santelli; Thiago C. Canevari UFRJ; Mackenzie
ELE 47	ELECTROCHEMICAL DETECTION OF H₂O₂ IN BIOLOGICAL SAMPLES USING NANOENZYME-MODIFIED LASER-SCRIBED GRAPHENE SENSORS ON BACTERIAL CELLULOSE SUBSTRATE Lucas Felipe de Lima; Thiago Regis Longo Cesar Paixão; William Reis de Araujo USP; UNICAMP
ELE 48	ELECTROCHEMICAL SENSOR BASED ON GOLD NANOSHEETS (AUNSS) SYNTHESIZED IN A GREEN TERNARY MIXTURE FOR SIMULTANEOUS DETERMINATION OF ACETAMINOPHEN AND DOPAMINE Paulo Cardoso Gomes Junior; Karen Kenlder de Lima Augusto; Gustavo Patelli Longatto; Evandro Piccin; Éder Tadeu Gomes Cavalheiro; Orlando Fatibello Filho



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	UFSCar; USP
ELE 49	ELECTROCHEMICAL SENSOR FABRICATED BY LASER SCRIBED GRAPHENE MODIFIED WITH NAFION® AND TiO₂:05AU NANOPARTICLES FOR ESTRIOL DETERMINATION Álvaro Felipe Dalfeith Monteiro; Lillia Iamar Leite Maciel Gama; Lucas Felipe de Lima; Anielle Christine Almeida Silva; William Reis de Araújo; Paulo de Tarso Garcia UNIFESSPA; UNICAMP; USP; UFAL; UFJ
ELE 50	ELECTROPOLYMERIZATION OF POLYANILINE THIN FILMS AND THEIR DISTINCTIVE SPECTROELECTROCHEMICAL RESPONSE Leonardo Gomes Medeiros; Joadir Humberto da Silva Junior; Jailson Vieira Melo; Pollyana Souza Castro UFRN
ELE 51	LOW-COST CONDUCTIVE FILAMENT BASED ON CARBON BLACK/GRAPHITE LOADING TO DETECT ??ESTRADIOL IN WATER SAMPLES Karen Kenlderi de Lima Augusto; Robert D. Crapnell; Elena Bernalte; Sabri Zighed; Anbuchselvan Ehamparanathan; Jessica L. Pimlott; Hayley G. Andrews; Matthew J. Whittingham; Samuel J. Rowley-Neale; Orlando Fatibello-Filho; Craig E. Banks UFSCar
ELE 52	ELECTROCHEMICAL PAPER-BASED ANALYTICAL DEVICES AND SURFACTANTS: AN ENHANCED APPROACH FOR THE DETECTION OF KETAMINE Jamilson Pereira Campos, Mauricio Matheus Lucio Pereira, Danielly Santos Rocha, Wendell Karlos Tomazelli Coltro UFG
ELE 53	CALIBRATION-FREE USING NANOPOROUS GOLD MICROELECTRODE FOR PARACETAMOL QUANTIFICATION Valdomiro de Souza Conceição; Douglas Philip Martinez Saraiva; Mauro Bertotti USP
ELE 54	ELECTROANALYTIC BEHAVIOR OF TRIMETHOXYBENZILIDENIC DERIVATIVE OF HYDRALAZINE Fabriciany Lourenço Moreira; Felipe Wesley de Vasconcelos Paulino; Maria Nicole do Nascimento; Alexandre Magno Rodrigues Teixeira; Hélcio Silva dos Santos; Murilo Sérgio da Silva Julião UECE; UVA
ELE 55	FABRICATION OF ELECTROCHEMICAL SENSORS WITH SILVER NANOPARTICLES SYNTHESIZED IN A DEEP EUTECTIC SOLVENT Gustavo Patelli Longatto; Paulo Cardoso Gomes; Charbel Nagib Mouchrek; Karen Kenlderi de Lima Augusto; Orlando Fatibello-Filho; Evandro Piccin UFSCar
ELE 56	ELECTRODEPOSITION OF GOLD ON GLASSY CARBON ELECTRODE FOR DETECTION AND QUANTIFICATION OF COMMERCIAL MINOXIDIL Mayara Orneles Silva; Thawan Gomes de Oliveira; Lúcio Angnes USP
ELE 57	CARBON PASTE ELECTRODE MODIFIED WITH TUCUMAN BIOCHAR FOR THE DETERMINATION OF PYRIDINE IN INDUSTRIAL EFFLUENT Juliana Garcia; Gabriela Françaço Vilela; Matheus Julien Ferreira Bazzana; Thamiris Carolina Rodrigues de Almeida; Sergio Scherrer Thomasi; Zuy Maria Magriotis; Tatiana Cardoso e Bufalo; Adelir Aparecida Saczk UFLA
ELE 58	MODIFIED ELECTRODE WITH MURUMURU BIOCHAR FOR THE DETERMINATION OF NICOTINIC ACID IN MULTIVITAMINS Gabriela Françaço Vilela; Juliana Garcia; Matheus Julien Ferreira Bazzana ; Thamiris Carolina Rodrigues de Almeida; Zuy Maria Magriotis; Sérgio Scherrer Thomasi; Tatiana Cardoso e Bufalo; Adelir Aparecida Saczk UFLA

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ELE 59	ELECTROCHEMICAL CARBON PASTE SENSOR MODIFIED WITH MACAUBA BIOCHAR FOR DETERMINING CAFFEINE IN DRINKS AND STIMULANT CAPSULE Thamiris carolina rodrigues de almeida; Gabriela F. Vilela; Juliana Garcia; Matheus J. F. Bazzana; Zuy M. Magriotis; Adelir A. Saczk UFLA
ELE 60	COST-EFFECTIVE THERMOPLASTIC ELECTRODES FOR NICOTINE QUANTIFICATION IN E-CIGARETTES SAMPLES Ariel Dayan; William Barros Veloso; Diele Aparecida Gouveia Araújo; Thiago Regis Longo César da Paixão USP
ELE 61	DEVELOPMENT OF A POLYIMIDE-BASED ELECTROCHEMICAL SENSOR USING A PHOTOTHERMAL PROCESS BY CO₂ LASER FOR CARBENDAZIM QUANTIFICATION Gilberto José Silva Junior; Thiago Regis Longo Cesar da Paixão USP
ELE 62	FLEXIBLE ELECTRODES BASED ON LASER-INDUCED GRAPHENE AS EFFICIENT ANALYTICAL PLATFORMS FOR DETECTING AMOXICILLIN Cassiano Cunha de Souza; Mayane Sousa Carvalho; Wallace Burger Veríssimo de Oliveira; Raylla Santos Oliveira; Thalles Pedrosa Lisboa; Rodrigo Alejandro Abarza Munoz; Maria Auxiliadora Camargo Matos; Renato Camargo Matos UFJF; UFU; UFGD
ELE 63	DEVELOPMENT OF AN ELECTROCHEMICAL SENSOR MODIFIED WITH TUCUMÁ BIOCHAR FOR THE DETERMINATION OF QUINOLINE THROUGH VOLTAMMETRIC TECHNIQUES Pedro Augusto Santos; Leonardo de Castro Silva; Juliana Garcia; Zuy Maria Magriotis; Leonardo Luiz Okumura; Adelir Aparecida Saczk UFLA; UFV
ELE 64	DEVELOPMENT OF AN ELECTROCHEMICAL SENSOR UTILIZING RECYCLED ABS FILAMENTS FOR 3D PRINTING IN THE DETERMINATION OF DIURON Raylla Santos Oliveira; Hudson Batista da Silva; Cassiano Cunha de Souza; Wallace Burger Veríssimo; Maria Auxiliadora Costa Matos; Thalles Pedrosa Lisboa; Renato Camargo Matos UFJF; UFGR
ELE 65	DISPOSABLE PAPER-BASED PENCIL DRAWN ELECTRODES MODIFIED WITH COPPER FOR IN LOCO DETECTION OF GLYPHOSATE IN WATER João Paulo do Carmo Cunha; Lucas Costa Faustino; Everson Thiago Santos Geroncio da Silva UFPI
ELE 66	PRELIMINARY IDENTIFICATION AND QUANTIFICATION OF THC IN FORENSIC SAMPLES USING COMBINED ELECTROCHEMICAL AND COLORIMETRIC METHODS Mariane Olivier Brandão Arrieiro; Wallans Torres Pio dos Santos; Luciano Chaves Arantes UFVJM; PC-DF
ELE 67	ELECTROCHEMICAL DETERMINATION OF THE ANTIOXIDANT CAPACITY OF TROPICAL FRUITS Nayla Iasmin Santos de Miranda; Gabrielly Pereira da Silva; Matheus Barros Garcez; Iranaldo Santos da Silva; Luiza Maria Ferreira Dantas UFMA
ATOMIC SPECTROMETRY: EA 12 - EA 22	
EA 12	APPLICATION OF 3D PRINTED DISPOSABLE THERMOPLASTIC POLYESTER PLATFORMS FOR DETERMINATION OF REFRACTORIES ELEMENTS BY GRAPHITE FURNACE AAS Caroline Scache Prudencio; João Victor Biagi Santiago; Clovis Augusto Ribeiro; Edilene Cristina Ferreira; José Anchieta Gomes Neto; Hernane da Silva Barud UNESP; UNIARA



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EA 13	DIRECT ZN DETERMINATION IN COMMON BEANS BY PXRF Shayani Kimberly Benedito; Mikaela Martins de Bem; Luiz Roberto Guimarães Guilherme; Marcelo Braga Bueno Guerra UFLA
EA 14	DETERMINATION OF COPPER IN ARTISANAL CACHAÇAS USING PRECONCENTRATION IN PAPER SUPPORT AND DETECTION BY X-RAY FLUORESCENCE SPECTROMETRY Benedito Batista Farias Filho; Raiane de Oliveira Araújo; Igor da Silva Constantino; Maria Eduarda Guida da Silva UFPI
EA 15	DIRECT TOTAL ORGANIC CARBON DETERMINATION IN SOIL SAMPLES BY LASER-INDUCED BREAKDOWN SPECTROSCOPY Yusef Gravilov Sadik; Rafael Rodrigues Balbino; Giorgio Saverio Senesi; José Anchieta Gomes Neto; Edilene Cristina Ferreira UNESP; Universidad Zaragoza (Spain); Consiglio Nazionale delle Ricerche, Institute for Plasma Science and Technology (Italy)
EA 16	PHOTOCHEMICAL VAPOR GENERATION OF CHROMIUM FOR ICP OES DETECTION Jane Kelly Sousa de Brito; Débora Nascimento Araújo; Gisele Simone Lopes UFC
EA 17	EVALUATION OF THE USE OF THE TS-FF-AAS TECHNIQUE FOR THE CHARACTERIZATION OF SILVER NANOPARTICLES João Francisco Lopes Malta; Marco Aurelio Zezzi Arruda; Elisânia Kelly Barbosa Fonseca; Eduarda Quadros Machado UNICAMP
EA 18	ASSESSMENT OF MICROPLASTIC CONTAMINATION AND ELEMENTAL COMPOSITION OF COFFEE INFUSIONS Francisco Vinícius Morais do Nascimento; Rodolfo de Melo Magalhães Santana UFBA
EA 19	MULTI-ELEMENT ANALYSIS OF VINEGARS MARKETED IN THE METROPOLITAN REGION OF RECIFE Suennia Carinne da Silva Sena; João Pedro Cardoso da Silva; Wellen Karen Marcelino Serafim; Felipe Cunha da Silva Trindade; Vitor Dantas Alves; Laís Araújo Souza; Ana Paula Silveira Paim UFPE
EA 20	COMPREHENSIVE ASSESSEMENT OF TOTAL CONTENTS AND BIOACCESSIBLE FRACTIONS OF ELEMENTS IN PLANT-BASED FOOD Rafaella Regina Alves Peixoto UFF
EA 21	EVALUATION OF METAL CONTENTS IN THE BIOACCESSIBLE FRACTION OF PM2.5 FILTERS BY MIP OES USING AEROSOL DILUTION Gabriel Neves Ferreira Netto; Edmilson Arruda dos Santos; Adriana Gioda; Tatiana Dillenburg Saint'Pierre; Ricardo Jorgensen Cassella; Rafaella Regina Alves Peixoto; Christiane Beatrice Duyck Pinto UFF; PUC-RJ
EA 22	TRACE ELEMENT ANALYSIS IN HIGH PROTEIN CONTENT SAMPLES BY ICP-OES AND PVG-F AAS Felipe Souza Ferreira; Jane Kelly Sousa de Brito; Ana Clara Correia Aragão; Gisele Simone Lopes; Paulo Henrique Machado de Sousa; Daniel da Silva Marte UFC
MASS SPECTROMETRY: EM 16 - EM 30	
EM 16	CHEMICAL CHARACTERIZATION BY PAPER SPRAY MASS SPECTROMETRY FROM ACETONITRILE EXTRACT OF UVAIA SEEDS Douglas De Araujo Teixeira; Julio César Ridolfi Salvador; Laura Lídia de Morais Blaskievicz; Rodinei Augusti; Júlio Onésio; Luisa Del Carmen Barrett Reina

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	UFMT; UFMG; UFSJ
EM 17	EVALUATION OF VOLATILE PROFILE IN SAMPLES OF VANILLA EXTRACTS Larissa Palmela Pinheiro UFMG
EM 18	STUDY OF OXIDATIVE DEGRADATION OF BIODIESEL BY ULTRA-PERFORMANCE LIQUID CHROMATOGRAPHY COUPLED TO HIGH RESOLUTION MASS SPECTROMETRY AND ARTIFICIAL NEURAL NETWORKS Renan de Oliveira Muniz; João Vitor Barros Mendes; Cristiane Gimenes de Souza; Daniella Lopez Vale; Monica Costa Padilha; Débora França de Andrade; Luiz Antono d'Avila UFRJ
EM 19	CHEMICAL PROFILE BY PAPER SPRAY MASS SPECTROMETRY OF THE ETHANOLIC EXTRACT OF UVAIA SEEDS Laura Lídia de Moraes Blaskiewicz; Júlio César Ridolfi Salvador; Douglas de Araújo Teixeira; Rodinei Augusti; Júlio Onésio Ferreira Melo; Luisa Del Carmen Barrett Reina UFMT; UFMG; UFSJ
EM 20	MOLECULAR FORENSIC GEOCHEMISTRY: FINGERPRINT ANALYSIS OF OIL SPILLS IN BRAZIL USING GC×GC-TOFMS AND ESI(±)ORBITRAP-HRMS Flavia Rodrigues Alvares; Vinícius Barreto Pereira; Ana Luiza Barboza de Souza Silva; Luiz Augusto de Oliveira Costa; Débora de Almeida Azevedo; Francisco Radler de Aquino Neto; Gabriela Vanini Costa UFRJ; Ibama
EM 21	METHOD VALIDATION FOR THE DETERMINATION OF CARBON ISOTOPIC RATIO IN NATURAL GAS COMPOUNDS: METHANE, ETHANE AND PROPANE Gustavo Bombardelli Barp; Naira Poerner Rodrigues; Pâmela de Medeiros Engelmann; Gustavo Luiz Heck; Victor Hugo Jacks Mendes dos Santos; Filipe de Medeiros Albano; Felipe Dalla Vecchia; Alexandre de Andrade Ferreira; Marcelo Ribeiro Costa; Laura Juliana Roza Morales IPR-PUCRS; CENPES-PETROBRAS; Bureau Veritas
EM 22	CARBON ISOTOPIC RATIO IN GASEOUS MIXTURES: USE OF HEADSPACE VIALS IN AUTOMATIC SAMPLER Naira Poerner Rodrigues; Gustavo Bombardelli Barp; Pâmela de Medeiros Engelmann; Gustavo Luiz Heck; Victor Hugo Jacks Mendes dos Santos; Filipe de Medeiros Albano; Felipe Dalla Vecchia; Alexandre de Andrade Ferreira; Marcelo Ribeiro Costa; Laura Juliana Roza Morales PUC-RS; CENPES-PETROBRAS; Bureau Veritas- SP
EM 23	ANALYSIS OF THE CHEMICAL COMPOSITION OF THE AQUEOUS EXTRACT OF UVAIA SEEDS BY PAPER SPRAY MASS SPECTROMETRY Julio Cesar Ridolfi Salvador; Laura Lídia De Moraes Blaskiewicz; Douglas De Araújo Teixeira; Rodinei Augusti; Júlio Onésio Ferreira Melo; Luisa Del Carmen Barrett Reina UFMT; UFMG
EM 24	IONOMIC RESPONSE INCREMENT ON THE SOYBEAN CALLUS EXPOSED TO LOW CONCENTRATION OF GOLD NANOPARTICLES Elisânia Kelly Barbosa Fonseca; Lilian Seiko Kato; Anerise de Barros; Italo Odone Mazali; Marco Aurélio Zezzi Arruda UNICAMP
EM 25	METHOD DEVELOPMENT FOR TARGET METABOLOMICS FOCUSING ON FERMENTATION METABOLITES BY LC-MS/MS Yuri Renan Braga Sousa; Alessandra Sussulini UNICAMP
EM 26	DEVELOPMENT OF ANALYTICAL METHODOLOGY FOR DRUG ANALYSIS USING CAPILLARY ELECTROPHORESIS-MASS SPECTROMETRY Gabriel Dioara Silva Garcia; Kemilly Mara Pires Pinherio ; Hellen Inácia dos Santos; Eduardo Mathias Richter; Wendell Karlos Tomazelli Coltro UFG; UFU

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EM 27	UNVEILING COMPOSITION DIFFERENCES ON PETROLEUM AND BIO-OIL COPROCESSING PRODUCTS BY ESI (±)-ORBITRAP HRMS AND CHEMOMETRICS Victor Gustavo Kelis Cardoso; Raquel Vieira Santana da Silva; Adriana Moret Borges; Andrea de Rezende Pinho; Débora de Almeida Azevedo UFRJ; Petrobras
EM 28	ASSESSMENT OF CAPSAICINOIDS ABUNDANCE AND METABOLOMIC PROFILING IN CHILLI PEPPERS HYBRIDS Naará da Silva Balbino; Julia Dias Pereira; Nerilson Marques Lima; Hugo Gontijo Machado; Joveilton Batista da Silva Junior; Gesiane da Silva Lima; Boniek Gontijo Vaz UFG
EM 29	BIOACTIVE METABOLITES QUANTIFICATION IN TWO CASHEW APPLE SPECIES (<i>ANACARDIUM OCCIDENTALE</i> AND <i>ANACARDIUM HUMILE</i>) Gabriel Franco dos Santos; Naiara Raica L. de Oliveira; Hugo Gontijo Machado; Nerilson Marques Lima; Lucas S. Machado; Gesiane S. Lima; Boniek Gontijo Vaz UFG
EM 30	ASSESSMENT OF OILY MATERIALS BEACHED OVER THE COAST OF CEARÁ BY FORENSIC GEOCHEMISTRY: A CHRONIC ENVIRONMENTAL PROBLEM Adriana Pereira do Nascimento; Rufino Neto Andrade de Azevedo; Vinícius Barreto Pereira; Débora de Almeida Azevedo; André Henrique Barbosa de Oliveira; Rivelino Martins Cavalcante; Laercio Lopes Martins UFCE; UFRJ; UENF
ANALYTICAL INSTRUMENTATION: IA 14 - IA 26	
IA 14	DETERMINATION OF THE COMPLEXING CAPACITY OF BINDERS USED IN FERTILIZERS BY LUMINOMETRIC INDICATOR Marcos Yassuo Kamogawa; Viviane Nunes dos Santos Cagliari ESALQ-USP; CENA-USP
IA 15	METHOD DEVELOPMENT FOR DETERMINATION OF BIODIESEL CONTENT IN BX MIXTURES USING COMPUTER VISION ASSOCIATED TO ARTIFICIAL INTELLIGENCE Débora França de Andrade; Rafael Sales Xavier; Renan de Oliveira Muniz; Daniella Lopez Vale; Cristiane Gimenes de Souza; Luiz Antonio d'Avila UFRJ
IA 16	FORENSIC APPLICATIONS USING SMARTPHONES Thomas Fernando Ferreira Tributino dos Santos; Vagner Bezerra dos Santos; José Roberto Sabino Junior; José Licarion Pinto Segundo Neto; Tadeu Moraes Cruz UFPE; UERJ
IA 17	INCORPORATING IONIC LIQUIDS ON PAPER-BASED MICROFLUIDIC DEVICES FOR ENHANCING THE COLOR GRADIENT IN THE COLORIMETRIC ENZYMIC ASSAYS Daniel Santos de Paula; Larissa Garcia Velasco; Thiago Miguel Garcia Cardoso; Muhammad Irfan Qadir; Wendell Karlos Tomazelli Coltro UFG
IA 18	DEVELOPMENT OF AN ALTERNATIVE REAGENT DISPENSER FOR MANUFACTURING LATERAL FLOW ASSAY DEVICES João Victor Ribeiro Borges; Nikaele Sousa Moreira; Gerson Francisco Duarte Junior; Wendell Karlos Tomazelli Coltro UFG; INCT-Bioanalítica
IA 19	OFFICE PAPER FOR MANUFACTURING DISTANCE-BASED MICROFLUIDIC DEVICES: INVESTIGATION OF DIFFERENT PAPER TREATMENTS Lara Gabriela de Faria Andrade UFG
IA 20	DEVELOPMENT OF μPADS FOR DISTANCE-BASED DETECTION OF GLYPHOSATE Lucas Cauê Costa de Oliveira UFG



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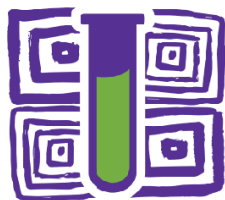
IA 21	EXPLOITING DIGITAL VIDEOS FOR KINETIC DETERMINATION OF ETHYL CARBAMATE IN SUGARCANE SPIRITS Gabriel Martins Fernandes; Fábio Rodrigo Piovezani Rocha CENA-USP
IA 22	GRAPHENE OXIDE-SILVER NANOCOMPOSITE DEPOSITED ON FILTER PAPER FOR LIBS SIGNAL ENHANCEMENT Adriana Lucena de Sales; Ivo Milton Raimundo Júnior; Aldo Jose Gorgatti Zarbin; Maria Karolina Ramos UNICAMP; UFPR
IA 23	INNOVATIVE MONITORING OF WATER ELECTRICAL CONDUCTIVITY USING CAPACITIVELY COUPLED CONTACTLESS DETECTOR Jussiane Souza da Silva; Camila Anschau André; Caroline Neu; Maíra Casali Malonn; Darliana Mello Souza; Charles André Haab; Adriano Marques Jaime UFSM; Auftek Serviços de Tecnologia LTDA
IA 24	EXPLOITING A VAPOR DRAG SYSTEM AND DIGITAL IMAGE COLORIMETRY FOR VOLATILE ACIDS DETERMINATION IN SUGARCANE SPIRITS Júlio César Zacarias Filho; Gabriel Martins Fernandes; Boaventura Freire dos Reis; Fábio Rodrigo Piovezani Rocha CENA-USP
IA 25	STORAGE STABILITY EVALUATION OF ULTRALOW-SULFUR DIESEL USING GC × GC-FID AND ESI HR-MS WITH CHEMOMETRIC ANALYSIS Deborah Victória Alves de Aguiar; Jussara Valente Roque; Leomir Aires de Lima; Iris Medeiros Júnior; Heleneia Oliveira Gomes; Emanuel Nazareno Ramalho de Sousa; Gláucia Pires Leal Piccoli; Boniek Gontijo Vaz UFG; Petrobrás
IA 26	DEVELOPMENT OF METHODS FOR QUANTIFICATION OF REDUCING SUGARS IN COW-MILK AND DERIVATIVES USING DIGITAL IMAGES Jandyson Machado Santos; Bruna Ramos de Souza Gomes; Maria Eduarda Bezerra Coutinho UFRPE
SEPARATION METHODS: MS 14 - MS 27	
MS 14	DETERMINATION OF SUCRALOSE USING CAPILLARY ELECTROPHORESIS WITH CAPACITIVELY COUPLED CONTACTLESS CONDUCTIVITY DETECTION Gabriela Augusta Matias de Carvalho Ribeiro; Dosil Pereira de Jesus UNICAMP
MS 15	ELECTROMEMBRANE EXTRACTION DEVICES WITH BUILT-IN POROUS MEMBRANE FABRICATED BY 3D PRINTING Juan Matias Santos; Reverson Fernandes Quero; Dosil Pereira de Jesus UNICAMP
MS 16	IN VITRO SKIN PERMEATION OF PASSION FRUIT SEED AND PARACRESS AERIAL PARTS EXTRACTS INCORPORATED INTO TOPICAL EMULSIONS Carla Beatriz Grespan Bottoli; Gisláine Corrêa da Silva; Rodney Alexandre Ferreira Rodrigues UNICAMP
MS 17	STRANDED OIL ON THE COAST OF CEARÁ REVEALED AS HEAVY FUEL OIL BY GAS CHROMATOGRAPHY ANDRÉ HENRIQUE BARBOSA DE OLIVEIRA; Rufino N.A. Azevedo; Adriana P. Nascimento; Vinícius B. Pereira; Débora A. Azevedo; Ronaldo F. Nascimento; Rivelino M. Cavalcante; Laercio L. Martins UFC; UFRJ; UENF
MS 18	EFFECT OF THE INJECTION TIME IN THE GATED MODE FOR THE ANALYSIS OF COCAINE USING ELECTROPHORESIS MICROCHIPS Joyce Moreira de Araújo; Hellen Inácia dos Santos; Gerson Francisco Duarte Junior; Eduardo Mathias Richter; Wendell Karlos Tomazelli Coltro UFG; UFU

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MS 19	DEVELOPMENT OF NEW METHOD FOR THE DETERMINATION OF BIOGENIC AMINES IN MUSHROOMS BY CAPILLARY ELECTROPHORESIS Belton Henrique Condela Guambe; Elisabete Alves Pereira UFSCar
MS 20	PHARMACEUTICAL IMPURITIES: A CASE STUDY FOR PARACETAMOL RELATED SUBSTANCES Eleilton da Silva; Enzo Marcello Otto; Fernando Silva Lopes; Ivano Gebhardt Rolf Gutz USP
MS 21	DETERMINATION OF CANNABINOIDS IN OIL CANNABIS SAMPLES BY DIRECT INTRODUCTION INTO THE SYSTEM BY HPLC-UV-FLD Ana Paula Lamounier; Alessandra Licursi Maia Cerqueira da Cunha; Bárbara da Conceição Coelho Cotta Cardoso IFRJ
MS 22	COMPARISON BETWEEN CONVENTIONAL AND FAST GAS CHROMATOGRAPHIC DETERMINATION OF RESIDUAL ETHANOL IN METOPROLOL SUCCINATE RODRIGO SEQUINEL; Juliano Parizotto Vissotto; Marcos Roberto de Lima Costa UFPR; UNIOESTE; UVV
MS 23	AUTOMATED SALTING-OUT ASSISTED SINGLE-PHASE LLE OF CR(VI) FROM RIVER WATER SAMPLES PRIOR TO ITS AAS DETERMINATION Francisco Antonio da Silva Cunha; Julys Pablo Athayde Fernandes; Wellington Silva Lyra; Amália Geiza Gama Pessoa; Josué Carinhanha Caldas Santos; Mário César Ugulino de Araújo; Luciano Farias de Almeida UFBA; UFPB; UFAL
MS 24	METHOD DEVELOPMENT FOR METHYLXANTHINES QUANTIFICATION IN ARTISANAL CHOCOLATE SAMPLES USING RP-HPLC-DAD Ian Cardoso; Joseline Altissimo; Bruno Quirino Araújo; Geisamanda Pedrini Brandão Athayde; Vinicius Câmara Costa; Maria Tereza Weitzel Dias Carneiro Lima UFES
MS 25	AN ION CHROMATOGRAPHY METHOD TO DETERMINE POLYOLS IN MEDICINE SAMPLES USING ELECTROCHEMICAL DETECTION Raul Arruda Artisiani; Lauro Tatsuo Kubota UNICAMP
MS 26	NUTRITIONAL EVALUATION OF AMAZONIAN FRUIT OILS: A FOCUS ON BABASSU, BURITI, AND BRAZIL NUT Mikael Kélvyn de Albuquerque Mendes; Eduardo Luiz Rossini; Michely da Silva Sousa; Mariana Bortholazzi Almeida; Ana Rita de Araújo Nogueira; Edivan Carvalho Vieira; Francisco Xavier Nobre; Emanuel Carrilho IQSC-USP; UFPI; EMBRAPA; IFAM
MS 27	DEVELOPMENT OF A NEW CHROMATOGRAPHIC METHOD FOR DETERMINATION OF CARBINOXAMINE AND ITS RELATED SUBSTANCES Juliana Mika Komura; Giovane Jesus Oliveira; Enzo Marcello Otto; Fernando Silva Lopes; Eleilton da Silva; USP

SAMPLE PREPARATION: PREP 30 - PREP 58

PREP 30	VALIDATION OF AN SBSE-UPLC-MS/MS METHOD FOR THE DETERMINATION OF SELECTED TRIAZINES IN GRAPE JUICE SAMPLES Alessandra Timóteo Cardoso; Fernando M. Lanças USP
PREP 31	APPLICATION OF DEEP EUTECTIC SOLVENTS FOR DETERMINATION OF ORGANOPHOSPHORUS AND PYRETHROIDS IN AQUEOUS AND FOOD MATRICES William Henrique Slominski; Vanessa Boz dos Santos; Fernando Roberto Xavier; Edmar Martendal dias de Souza UDESC

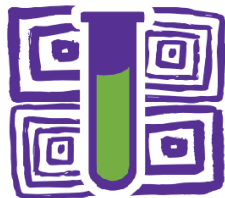


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PREP 32	EXTRACTION OF ORGANIC IMPURITIES FROM ECSTASY BY VORTEX AND ULTRASOUND-ASSISTED SOLID-LIQUID MICROEXTRACTION Isabelle Marcondes Brandão; Edmar Martendal; Gisele Parabocs ; Suellen Pericolo UDESC; Scientific Police – Joinville Regional Superintendency
PREP 33	MULTIELEMENT DETERMINATION IN LEAVES OF PLANT LITTER FROM THE ATLANTIC FOREST AND CACAO-CABRUCÁ AGROFORESTRY SYSTEM Raildo Mota de Jesus; Jeane Pereira dos Santos; Ronald Silva Madureira; Hélio Rocha Sousa Filho; Haialla Carolina Rialli Santos Brandão; Daniela Mariano Lopes da Silva; Pâmela Rebeca Moreno dos Santos; Herick Macêdo Santos UESC
PREP 34	DETERMINATION OF ESSENTIAL AND POTENTIALLY TOXIC ELEMENTS IN PAPRIKA BY ICP OES AND MULTIVARIATE DATA ANALYSIS Daniele Cristina Muniz Batista dos Santos; Rosana Celestino de Jesus; Thaís Luz de Souza; Aníbal de Freitas Santos Júnior; Lorena Santos Lobo; Jacira Teixeira Castro; João Batista Pereira Junior ; Rennan Geovanny Oliveira Araujo ; Laís Araújo Souza UFBA; UNEB; UFRB; UFPE
PREP 35	IN VITRO EVALUATION OF THE SUN PROTECTION FACTOR (SPF) OF PLANT EXTRACTS OBTAINED BY DIFFERENT EXTRACTION METHODS Dreisson Aguilera de Oliveira; Marcos Canto Machado; Evelyn Rosa dos Santos; Bruno Real Correa; Lucas Sander; Valéria Nunes Fonseca CETEF/FIEC
PREP 36	DISPOSABLE INSERTS: ANALYTICAL FREQUENCY OPTIMIZATION AND APPLICABILITY IN MICROWAVE RADIATION-ASSISTED ACID DIGESTION OF DIFFERENT MATRICES Samara Gomes Banhos; Marcelo Larsen de Lima Tozo; Amauri Garcia Filho; Floriatan Santos Costa ; Edenir Rodrigues Pereira Filho ; Ana Rita Araujo Nogueira UFSCar; UFPR; Embrapa Pecuária Sudeste
PREP 37	FEASIBILITY IN THE PRODUCTION OF CANDIDATE FOR CERTIFIED REFERENCE MATERIAL OF THE BLACK CRICKET (GRYLLUS ASSIMILIS) APPLIED TO ENVIRONMENTAL AND NUTRITIONAL QUALITY Maria Jose de Filgueiras Gomes; Raphael Henrique de Moura Pereira; Elvis Joacir de França UFRPE; Centro Regional de Ciências Nucleares do Nordeste
PREP 38	DISPOSABLE PIPETTE EXTRACTION AND MOLECULARLY IMPRINTED POLYMER (DPX-MIP) APPLIED TO DETERMINATION OF MELATONIN IN BREAST MILK OF HPLC-MS. Laysa Luana Silva de Macedo; Lucas Santos Machado; Andrea Rodrigues Chaves; Steffany de Souza Santos; Naiara Raica Lopes de Oliveira; Flaviana Vely Mendonça Vieira UFG
PREP 39	NOVEL SPE APPROACHES FOR EXTRACTION OF ORGANIC POLLUTANTS FROM WATER SAMPLES ADRIANO DE ARAUJO GOMES; Ivan Špánika; Miriam Kojdová; Róbert Kubinec UFRGS; Faculty of Chemical and Food Technology STU, Institute of Analytical Chemistry, Bratislava, Slovakia.
PREP 40	PALLADIUM NANOPARTICLES PHASE APPLIED IN A MINIATURIZED FRACTIONATION TO QUANTIFICATION OF SULFUR MARKERS IN PETROLEUM Maria Elisabete Machado, Fábio X. A. Sampaio, Lua M. L. Oliveira, Jailson B. de Andrade, Edilson V. Benvenuto UFBA; SENAI/CIMATEC; UFRGS
PREP 41	EVALUATION OF BIOACCESSIBLE LEVELS OF MICRONUTRIENTS IN RAW AND COOKED CRAB SAMPLES Ana B. M. Araújo; Eduardo M. Barroso Filho; Eveline de Abreu Menezes; Wladiana O. Matos; Carla S. C. Maia; Francisco L. F. da Silva UECE; UNILAB

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PREP 42	EVALUATION OF MICRONUTRIENTS IN SOYBEAN CALLUS CULTIVATED WITH GOLD NANOPARTICLES João Gabriel Veneziani Kamezawa; Lilian Seiko Kato; Elisânia Kelly Barbosa Fonseca; Anerise de Barros; Italo Odone Mazali; Marco Aurélio Zezzi Arruda UNICAMP
PREP 43	FAST AND SIMPLE APPROACH FOR THE DETERMINATION OF EMERGING CONTAMINANTS IN LANDFILL LEACHATE Sergiane Caldas Barbosa; Sthefanie Lopes do Valle; Anna Carolina Nickel Meireles; Verônica Simões de Borba; Ednei Gilberto Primel FURG
PREP 44	ASSESSMENT OF Cu, Fe, Mn, AND Zn CONCENTRATIONS IN SHRIMP SAMPLES FROM AMAZON REGION Hayrton Pereira da Silva; Vinicius Antonio Gomes Melo; Michelle de Souza Lemos UFPA
PREP 45	APPLICATION OF MAGNETIZED GRAPE SEED BIOCHAR FOR THE EXTRACTION OF ENDOCRINE DISRUPTORS João Harley Martins Luna; Flaviana Cardoso Damasceno; Lisiane dos Santos Freitas UFS
PREP 46	AN ECO-FRIENDLY CLOSED-BLOCK DIGESTION METHOD FOR ELEMENTAL ANALYSIS IN FRUIT PULPS USING ICP OES AND CHEMOMETRIC TOOLS João Batista Pereira Junior; William Quaresma Ferreira; Rafael Franco de Jesus; Amanda Silva de Jesus; Sarah Adriana Rocha Soares; Rennan Geovanny Oliveira Araujo UFBA
PREP 47	ACIDLESS SAMPLE PREPARATION ASSISTED BY MICROWAVE Lais Ikawa Nakashima; Eduarda Quadros Machado ; Marco Aurélio Zezzi Arruda UNICAMP
PREP 48	ENCAPSULATION OF HYDROPHOBIC DEEP EUTECTIC SOLVENT IN ALGINATE FOR PRE-CONCENTRATION OF COPPER IN SALIVA SAMPLES PRIOR TO FAAS ANALYSIS Mariana Expedito Maynardes de Araujo; Mateus Olivera Müller; Floriatan Santos Costa; Mario Henrique Gonzalez; Clarice Dias Britto do Amaral UFPR
PREP 49	MICROEXTRACTION OF METALS FROM PLANT MATERIALS USING A HYDROPHILIC EUTECTIC SOLVENT AIMING AT ICP OES ANALYSIS Liz Mary Bueno de Moraes; Samara Soares; Fábio Rodrigo Piovezani Rocha CENA/USP
PREP 50	CRICKET DIGESTION BY MAWD-UV FOR FURTHER RARE EARTH ELEMENTS DETERMINATION BY USN-ICP-MS Nicole Werle da Silva; Gustavo Gohlke; João Lucas Kipper Rocha; Thiago Castanho Pereira; Alessandra Schneider Henn; Jussiane Souza da Silva; Fábio Andrei Duarte; Érico Marlon de Moraes Flores UFSM
PREP 51	DETERMINATION OF TOTAL CONCENTRATION AND BIOACCESSIBLE FRACTION OF NUTRIENTS AND CONTAMINANTS IN FUNCTIONAL FLOURS Alex Virgílio; Gabriel di Giovanni Belinati; Heloisa Mariano Pedroso de Carvalho; Ana Rita de Araújo Nogueira; Elisabete Aparecida De Nadai Fernandes CENA/USP; UAM; Embrapa Pecuária Sudeste
PREP 52	METHOD FOR DETERMINING HERBICIDES IN RICE SAMPLES BY MASS SPECTROMETRY USING MINIATURIZED SAMPLE PREPARATION João Victor Borges Assis; Daniel de Almeida Soares; Andréa Rodrigues Chaves UFG
PREP 53	DEVELOPMENT OF AN ANALYTICAL METHOD BASED ON DILUTION IN ACIDIC MEDIUM AND ULTRASOUND ENERGY FOR DETERMINING METALS IN BEERS Erica Raina Venâncio Almeida; Marcos de Almeida Bezerra UFBA



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PREP 54	DISPERSIVE LIQUID-LIQUID MICROEXTRACTION FOR IRON AND COPPER DETERMINATION IN BEER BY FLAME ATOMIC ABSORPTION SPECTROMETRY Maiuca Alberto Seco; Jader Rodrigo Kappaun da Silveira; Eliana Torres Freitas Larruscain; Fábio Andrei Duarte UFSM
PREP 55	DEVELOPMENT OF METAL SEPARATION ROUTE AIMING APPLICATION IN PRINTED CIRCUIT BOARDS Bárbara Bonanho Emmerich Salles; Eduarda Quadros Machado; Marco Aurélio Zezzi Arruda UNICAMP
PREP 56	NATURAL DEEP EUTETIC SOLVENTS AS AN ALTERNATIVE APPROACH TO ACID DIGESTION: AN ALLY OF GREEN ANALYTICAL CHEMISTRY Vanessa Umbelino; Luigi Dias Maciel Fonseca; Ricardo Jorgensen Cassela; Jefferson Rodrigues de Souza UENF
PREP 57	USE OF MICROEMULSION IN THE PREPARATION OF MEDICINAL CANNABIS OIL SAMPLE FOR DIRECT ANALYSIS BY LIQUID CHROMATOGRAPHY Alessandra Licursi Maia Cerqueira da Cunha; Ana Paula Lamounier; Barbara Cotta Cardoso IFRJ
PREP 58	DEVELOPMENT AND VALIDATION OF METHODOLOGY FOR THE DETERMINATION OF L-DOPA IN COFFEE LEAVES Giovanna Victoria Vieira; Raphael Ricon de Oliveira; Thales Henrique Cherubino Ribeiro; Antonio Chalfun Junior; Adelar Aparecida Saczk UFLA
ENVIRONMENTAL CHEMISTRY: QA 29 - QA 56	
QA 29	REUSE OF WATER AND ITS EFFECT ON IRON ORE FLOTATION CRISTIANI HERTEL; DIEGO MACEDO VENEU; CAIO PHILIPPE CARVALHO MOURA; IRANILDES DANIEL SANTOS; MARISA BEZERRA DE MELLO MONTE CETEM; UFRJ; ITV/MG
QA 30	ALTERNATIVE ANALYTIC METHOD FOR DETERMINATION METALLIC SPECIES IN PLANKTON AND SHRIMP SAMPLES FROM PORTO SEGURO, BAHIA Daniel de Castro Lima UESC
QA 31	PRODUCTION AND CHARACTERIZATION OF FERMENTED SOLID FROM COCOA WASTE FOR ADSORPTION OF LEAD IN WATER Luana Novaes Santos; Sandy O. Pinto; Alisson G. Silva; Marcelo Franco UESC; IFBA
QA 32	EFFECTS OF LEAD EXPOSURE ON VARIOUS TISSUES OF AMAZONIAN TELEOST MATRINXÃ (<i>BRYCON AMAZONICUS</i>) Danielle Oliveira dos Anjos; Virginia Marques Silva; Marianna de Jesus Pinto; João Lucas da Silva Santos; Laís dos Santos; Luiz Gustavo Tavares Braga; Tânia Barth; Raildo Mota de Jesus Afa Faculdade de Ciências Médicas; UESC
QA 33	DISTRIBUTION OF METALS IN DIFFERENT ENVIRONMENTAL COMPARTMENTS OF THE CACHOEIRA RIVER Maryellen Batista DOS Santos; Ícaro Gonçalves de Lima; Alexia Tamyres Moreira Silva Barberino; Laís dos Santos; Haylla Souza Costa; Raildo Mota de Jesus; Ivon Pinheiro Lôbo UESC
QA 34	WATER ANALYSIS OF POÇO AZUL AND ENCANTO AZUL-MA Flamys Lena do Nascimento Silva; Wesley Novais Oliveira; Jhionison Lourenço Ribeiro; Maria Eduarda Sousa Cesário; Samira Mykaely de Lima Moura da Silva UFNT



QA 35	EVALUATION OF RESIDUAL GYPSUM AS A MINERAL FILLER IN ACRYLIC WATER-BASED PAINTS Marta Eliza Bergamo; Erika Thais Pires Silva; Fabiana Barbeta Marques; Leandro Rocha; Leonardo Ferreira de Melo; Thiago Henrique Cezar Paes; Marcos Canto Machado CENTRO DE EDUCAÇÃO TECNOLÓGICA DA FIEC
QA 36	EVALUATION OF TRACE AND ESSENTIAL ELEMENTS IN MARINE MACROALGAE FROM TWO URBAN BEACHES IN THE STATE OF ALAGOAS Daniela Santos Anunciação; Alice Batista Carvalho de Azevedo; Vânia de Lourdes das Graças; Sarah Adriana Rocha Soares UFAL; UFBA
QA 37	DEVELOPMENT OF A RHODAMINE-DERIVED FLUORESCENT PROBE FOR REDOX SPECIATION OF IONIC IRON IN ENVIRONMENTAL SAMPLES Sangela Ferreira da Silva; Amanda Luise Alves Nascimento; Karolayne Rocha da Costa; Ari Souza Guimarães; Josué Carinhonha Caldas Santos UFAL
QA 38	ORAL BIOACCESSIBILITY OF METALS AND METALLOIDS IN INDOOR DUST AROUND MINING ACTIVITIES Louise Aparecida Mendes; Letícia de Alexandria Cuscianna; Alice Aparecida Santos Fortes; Ricardo Souza Gonçalves; Iury Thallyson Salviete; Bárbara Silveira Brasil; Gabriela Santos Caldeira; Marana Melo Lage; Bianca Duarte Pereira; Pedro Costa Evangelista; Cláudia Carvalhinho Windmoller; Roberta Eliane Santos Froes; Emanueli Nascimento da Silva UFOP; UFMG
QA 39	ENVIRONMENTAL DYNAMICS OF MICROPLASTICS IN COASTAL ENVIRONMENTS: A THEORETICAL AND EXPERIMENTAL STUDY Guilherme de Sandes Parente; Caroline Braun Reinaldo; Norberto de Kássio Vieira Monteiro; André Henrique Barbosa de Oliveira UFC
QA 40	REMEDIATION OF CONTAMINATED SOILS BY PETROLEUM DERIVATIVES USING ADVANCED OXIDATIVE PROCESSES Patrícia Sueli de Rezende; Míriam de Fátima Soares CEFET-MG
QA 41	STUDY OF THE DISTRIBUTION OF ARSENIC AND INORGANIC ARSENIC IN MACROALGAE ON THE COAST OF CEARÁ-BRAZIL Wladiana Oliveira Matos; Iago Gabriel Medeiros Nobre Estudo; William Miranda Ximenes da Silva; Andressa Receba Leite Furtado; Eduardo Mello Barroso Filho; Cleidiane Gomes Lima; Crisiana Andrade Nobre; Marjory Lima Holanda Araújo; Francisco Luan Fonsêca da Silva UFC; UECE
QA 42	DETERMINATION AND ASSESSMENT OF THE ECOLOGICAL RISK OF MERCURY IN DIFFERENT GRANULOMETRIC FRACTIONS OF SEDIMENTS FROM A PUBLIC SUPPLY RIVER IN BRAZIL Caio Silva Assis Felix; Vanessa Sales de Carvalho; Jailson Bittencourt de Andrade; Sergio Luís Costa Ferreira UFBA; SENAI-CIMATEC
QA 43	INFLUENCE OF THE DRY AND RAINY PERIOD ON TRACE METAL ENRICHMENTS IN SEDIMENTS OF THE SOUTHERN COAST OF THE STATE OF PERNAMBUCO, BRAZIL Lais Araujo Souza; Silvio Joseph J. Costa do Nascimento; Suênnia Carinne da Silva Sena UFPE
QA 44	IMPACT OF HYDROLOGICAL AND ANTHROPOGENIC FACTORS ON MICROPLASTIC PRESENCE IN THE GUAÍBA RIVER Ellen de Souza Almeida Duarte; Crislaine Bertoldi; Andreia N. Fernandes UFRGS; Lund University (Sweden)
QA 45	ECOLOGICAL RISK ASSESSMENT AND ENVIRONMENTAL CONTAMINATION OF METALS IN SEDIMENTS OF THE BEACHES OF SALVADOR, BRAZIL



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	Matheus Bonadiman de Melo; Caio Silva Assis Felix; Sergio Luis Costa Ferreira; Sabrina Teixeira Martinez; Rayane Sorrentino; Jailson Bittencourt de Andrade UFBA; INCT; SENAI-CIMATEC; UERJ
QA 46	RISK ASSESSMENT OF MERCURY CONTAMINATION IN ENVIRONMENTAL SAMPLES FROM JACOBINA: IMPLICATIONS FOR HUMAN AND ECOLOGICAL HEALTH Saulo Vitor de Araujo Dantas; Caio Silva Assis Felix; Francisco Antônio Silva Cunha; Jailson Bittencourt de Andrade; Sergio Luís Costa Ferreira UFBA; SENAI-CIMATEC
QA 47	DIAGNOSIS OF PESTICIDE CONTAMINATION IN WATERCOURSES IN THE PAMPA BIOME: A PIONEERING STUDY IN SOUTHTERN BRAZIL Magali Kemmerich; Gabriele do Carmo; Renato Zanella; Sidnei Luís Bohn Gass UFFS; UNIPAMPA; UFSM
QA 48	NON-CHROMATOGRAPHIC FRACTIONATION AND SPECIATION OF ARSENIC IN NATURAL WATER USING CELLULOSE-BASED ADSORBENT Dairon Pérez Fuentes; Denise F. S. Petri; Pedro Vitoriano Oliveira USP
QA 49	POLYCYCLIC AROMATIC HYDROCARBONS (PAH) CONTENT IN FISH FROM AN OIL SPILL ON THE COAST OF PERNAMBUCO Abinoan da Silva Rodrigues; Thayane Cristina da Silva Moreira; Nattany Tayany Gomes de Paula; Jandyson Machado Santos; José Licarion Pinto Segundo Neto; Ana Paula Silveira Paim UFPE; UFRPE; UERJ
QA 50	ULTRASOUND-ASSISTED EXTRACTION FOR SOILS: SPEED AND PORTABILITY IN THE ANALYSIS OF AVAILABLE PHOSPHORUS <i>IN SITU</i> Stella Sales Macedo; Arnaldo Alves Cardoso; Expedito de Sousa Morais UNESP
QA 51	EXPLORING NIOBIUM METAL-ORGANIC FRAMEWORK (NB-MOF) SUPPORTED BY BIMETALLIC COMPOSITION (Pt/Co) AS A CATALYST FOR HYDROGEN EVOLUTION Jemmyson Romário de Jesus; Lorrayne Ohana Coelho; Gabriel Henrique Sperandio; Renata Pereira Lopes Moreira UFV
QA 52	MICROCRYSTALLINE CELLULOSE BEADS FOR SEPARATION AND SPECIATION OF Gd(III) AND GD-CHELATE IN WATER Pedro Vitoriano Oliveira; Lucas Eduardo Oliveira Porto; Dairon Pérez Fuentes IQ-USP
QA 53	POLYURETHANE FOAMS REINFORCED WITH CACTUS FIBERS FOR THE TREATMENT OF TEXTILE DYES Maísa Tatiane Ferreira de Souza; Lídia Brizola Santos; Juliana Carla Garcia UNIFESSPA; UTFPR; UEM
QA 54	OCCURRENCE, DISTRIBUTION AND PHYSICAL CHARACTERIZATION OF MICROPLASTICS IN CAUAMÉ RIVER SANDS, BOA VISTA – RORAIMA Larissa Steffânni Freitas de Araújo; Ana Carolina Dolzany Sousa; José Rodrigues dos Santos Neto; Franciele Oliveira Campos da Rocha UFRR
QA 55	ELEMENTAL ANALYSIS OF BAT GUANO COLLECTED IN CAVES IN RIO GRANDE OF NORTE, NORTHEASTERN BRAZIL Karla Beatriz Oliveira da Silva; Narjara Pimentel; Eder Barbier; Enrico Bernard; Ana Paula Silveira Paim UFPE
QA 56	DEVELOPMENT OF ANALYTICAL METHODS FOR DETECTING PYROLYTIC AND PETROGENIC BILIARY PAHS IN OILED AREAS Antônia Duciene Feitosa Lima; Gladston Roberto Carneiro Junior; Rafael Pereira dos Santos; Jerusa Maria de Oliveira; Bianca Leite Carnib de Sousa; Lázaro Wender Oliveira de Jesus; Rivelino Martins Cavalcante UFC; UECE; UFAL; UNESP

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Ibero-American Congress of Analytical Chemistry**CHEMOMETRICS: QM 16 - QM 30**

QM 16	¹H NMR FINGERPRINTING AND ASCA ANALYSIS: MODEL STABILITY AND METABOLOMIC INSIGHTS IN ILEX PARAGUARIENSIS Gustavo Galo Marcheafave; Elis Daiane Pauli; Ieda Spacino Scarminio; Roy Edward Bruns UNICAMP; UEL
QM 17	ENSEMBLE OF SUPPORT VECTOR MACHINES FOR DETERMINING TOTAL SULPHUR IN PETROLEUM Paulo Roberto Filgueiras; Cristina Maria dos Santos Sad; Eustáquio Vinícius Ribeiro de Castro; Wanderson Romão; Márcia Helena Cassago Nascimento; Gabriely Silveira Folli; Madson Poltroni Zanoni; Junio Botelho UFES, IFES
QM 18	DETERMINATION OF THE PURITY OF AMAZONIAN OILS USING NIR SPECTROSCOPY AND PLS Tiago Corrêa Menezes; Neirivaldo Cavalcante da Silva; Heronides Adonias Dantas Filho; Kelly das Graças Fernandes dantas; Gerson Antônio Barra de Castro IFPI, UFPA
QM 19	DETERMINATION OF THE PURITY OF BEE HONEY FROM THE SEMI-ARID REGION OF PIAUÍ USING NIR SPECTROSCOPY AND PLS REGRESSION Franciel da Silva Costa; Tiago Correa Menezes; Gutenberg Lira Silva; Heronides Adonias Dantas Filho; Marisa da Silva Gomes; Severino Sebastião da Costa IFPI, UFPA
QM 20	INNOVATIVE TECHNIQUES FOR TANNIN AND POLYPHENOL QUANTIFICATION IN JATROPHA MOLÍSSIMA SAP: A DATA FUSION AND PLS APPROACH Simone da Silva Simões; Tiago S. Silva; Caroline L. Fernandes; José Filipe Rodrigues Bacalhau UEPB, UFPB
QM 21	SEASONAL EVALUATION OF POINCIANELLA PYRAMIDALIS USING PORTABLE NIR SPECTROMETRY AND PATTERN RECOGNITION Karina Araujo do Prado; Laís Medeiros da Silva; Laila dos Santos Pereira; Yanna C. F. Teles; José Germano Verás Neto; Welma T. S. Vilar; Simone da Silva Simões UEPB, UFPB
QM 22	INFRARED INSTRUMENT AND ONE CLASS CLASSIFIERS TOOLS: AN EASIER AND SMARTER PLATFORM FOR FLAVOUR ASSESSMENT Jose Marcelino de Souza Netto; Gabrielli Camboim; Celio Mota; Paula Ferreira; Kelly Sarreto; Jorge Quintero; Thais Ferreira British American Tobacco, RS
QM 23	PURITY CLASSIFICATION OF BEE HONEY FROM THE SEMI-ARID REGION OF PIAUÍ BY NIRs AND DD-SIMCA Marisa da Silva Gomes; Tiago Correia Menezes; Gutenberg Lira Silva; Franciel da Silva Costa; Severino Sebastião da Costa IFPI
QM 24	ENHANCING ATRAZINE DETECTION: THE ROLE OF SEIRA SPECTROSCOPY AND CHEMOMETRICS Felipe Cunha da Silva Trindade; Izabel G. de Souza Sobrinha Giovannia Araujo de Lima Pereira; Goreti Pereira; Ivo Milton Raimundo Júnior; Claudete Fernandes Pereira UFPE, UNICAMP, Universidade de Aveiro (Portugal)
QM 25	STRATEGIES TO ESTIMATE TIME FROM DEPOSIT OF BLOODSTAINS USING HANDHELD NIR SPECTROMETER Ricardo Saldanha Honorato; Aline C. S. Fonseca; José Francielson Q. Pereira; Maria Fernanda Pimentel UFPE, UNICAMP, Federal Police/PE
QM 26	AN EXPLORATORY ANALYSIS OF HOMEMADE MEDICINAL CANNABIS OILS PREPARATIONS PRODUCED IN BRAZIL



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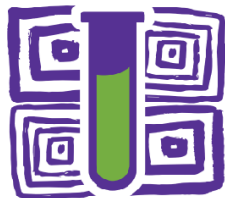
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	Julieth Patricia Gonzalez Herrera; Larissa Araújo Rolim; Ricardo Saldanha Honorato; Maria Fernanda Pimentel UFPE, UNIVASF
QM 27	PROTEIN QUANTIFICATION APPLYING DIGITAL IMAGE COLORIMETRY (DIC) Kallyne Ribeiro Paes; Milena Portela dos Santos; Michely da Silva Sousa; Raimundo Clécio Dantas Muniz Filho; Cícero Alves Lopes Júnior UFPI, UEMA
QM 28	DETERMINATION OF SUGARCANE FIBER QUALITY USING A PORTABLE NIR SPECTROMETER Bruno Henrique da Silva Melo; Rafaella de Figueiredo Sales; Jorge Souza Povoas da Silva; Aluska Gabrielle Carolino de Almeida Sousa; Maria Fernanda Pimentel UFPE
QM 29	GERMINATION ANALYSIS OF COTTON SEED USING NIR SPECTROSCOPY DARLEI Darlei Gutierrez Dantas Bernardo Oliveira; Everaldo Paulo de Medeiros; Simone da Silva Simões; Maria Fernanda Pimentel UFPE, UEPB
QM 30	ONCE CLASS CLASSIFICATION OF GREEK HONEYS USING MICRO AND RARE ELEMENTS Erklaylle Gabriely Custodio da Silva; Maria-Anthi Priakou; Marios Kostakis; Loukas Gialouris; Carolina Santos Silva; Marilena Dasenaki; Maria Fernanda Pimentel UFPE; University of Athens (Greece); VTT Technical Research Centre of Finland (Finland)
OTHERS: OUT 22 - OUT 42	
OUT 22	COMPARASION OF EXPERIMENTAL CONDITIONS FOR DETERMINATION OF TOTAL PHENOLICS IN HONEY Heidy Martins de Vasconcelos; Adriana Nori Macedo UFMG
OUT 23	COMPARATIVE ANALYSIS OF PHYSICOCHEMICAL PARAMETERS IN ALE BEERS FERMENTED WITH ENGLISH S-04 AND NORWEGIAN KVEIK YEAST Maria Cristina Tomazzini Casado; Amanda Ellen Takai Ambrósio; Guilberth Sander Duarte Batista; Isabela Mariá Giatti Leopoldino; Rosemeire Maria De Medeiros Franco; Willian Cezar Piveta; Marcos Canto Machado CETEF/FIEC
OUT 24	UNRAVELING THE IONOME OF PAROTOID GLAND SECRETION FROM RHINELLA JIMI TOAD Christian Bremmer dos S. Oliveira; Elcio Daniel Sousa Barros; Silvana Ruella de Oliveira; Fernando Barbosa Júnior; Gerardo Magela Vieira Júnior; Cícero Alves Lopes Júnior UFPI; USP
OUT 25	INVESTIGATION OF PROTEOME OF THE PAROTOID GLAND SECRETION FROM RHINELLA JIMI TOAD Gerardo Magela Vieira Júnior; Christian Bremmer dos S. Oliveira; Elcio D. Sousa Barros; Mikael K. de Albuquerque Mendes; Edivan C. Vieira; Cícero Alves Lopes Júnior UFPI
OUT 26	EXPLORING NITROSO SALT-R REAGENT TO DETERMINE THE ACID PHOSPHATASE AIMING FOR FORENSIC APPLICATIONS Beatriz do Nascimento Oliveira; Josué Carinhanha Caldas Santos UFAL
OUT 27	A COST-EFFECTIVE PVC-ZN-MORIN COMPLEX BASED-PAPER AS A SENSITIVE FLUORESCENT MATERIAL FOR ZN(II) DETERMINATION Vanessa Freire de França; Caroline Vitória de Souza Campos; Nattany Tayany Gomes de Paula; Lais Araujo Souza; Ana Paula Silveira Paim UFPE
OUT 28	SINGLE STANDARD CALIBRATION IN RAMAN SPECTROSCOPY: DETERMINATION OF N AND P IN FERTILIZERS

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	Evilim Martinez de Oliveira; José Anchieta Gomes Neto; Edilene Cristina Ferreira; George Luis Donati UNESP; Laboratory of Inorganic and Nuclear Chemistry, Albany, NY, USA
OUT 29	EVALUATION OF THE METHOD FOR EXTRACTING THE MAJORITY PROTEINS FROM COWPEAS (<i>VIGNA UNGUICULATA L. WALP.</i>) Adrielle Rebeca Vieira da Silva; Cícero Alves Lopes Júnior UFPI
OUT 30	PHYSICOCHEMICAL AND STATISTICAL EVALUATION OF PITAYAS (<i>HYLOCEREUS COSTARICENSIS</i>) SUBJECTED TO THE APPLICATION OF BIOFILMS Bianca Silva da Fonseca Alves; Ana Beatriz da Silva Nascimento; Adriano Bicioni Pacheco UFRA
OUT 31	SAMPLE PREPARATION OF Li-ION BATTERY ANODE TO APPLICATION IN RAMAN SPECTROSCOPY Luan S. Silva; Vitor M. O. Silva; Pedro A. S. Arantes; Thais S. Soares; A. M. Ferreira; Eduardo N. D. de Araújo; Maria C. Hespanhol UFV
OUT 32	HIGHLY SELECTIVE COLORIMETRIC DETECTION OF CREATININE USING B-CYCLODEXTRIN-FUNCTIONALIZED SILVER NANOPARTICLES Angélica de Brito Sousa; Everson Thiago Santos Gerônimo UFPI
OUT 33	CHEMICAL CHARACTERIZATION OF SUGAR CANE STRAW BIO-OILS FROM HYDROTHERMAL LIQUEFACTION BY GC-MS Rayane Maria do Nascimento; Flávio Montenegro de Andrade; Raquel Santos Silva; Diogo Ardaillon Simões; Leandro Danielski; Maria Fernanda Pimentel Avelar; Jandyson Machado Santos UFRPE; UFPE
OUT 34	A CHEMICAL EVALUATION OF BIO-OILS AS SOURCE OF RENEWABLE CHEMICALS USING GCXGC-TOFMS Edson Fernandes de Moraes; Marília Gabriela Araújo Pereira; Anna Clara de Freitas Couto; Wenes R. da Silva; Tarcísio Martins Santos; Alberto Wisniewski Jr; Leandro Wang Hantao; Jandyson Machado Santos UFRPE; UNICAMP; UFS
OUT 35	FRACTIONATION OF ESSENTIAL AND NON-ESSENTIAL ELEMENTS IN FOOD WASTE BY MICROWAVE HYDRO-DIFFUSION AND GRAVITY TREATMENT Thais dos Santos Berón; Alice Penteadó Holkem; Sandra Kune Schlesner; Juliano Smanioto Barin; Paola de Azevedo Mello UFSM
OUT 36	RAPID DETECTION OF MICROORGANISMS AND TETRACYCLINE CONTAMINATIONS IN MILK SAMPLES USING PAPER-BASED COLORIMETRIC AND ELECTROCHEMICAL DEVICES Paula Cristine Rocha Corsato; André Lopes Ferreira; Lucas Felipe de Lima; William Reis de Araujo IQ-UNICAMP; IB-UNICAMP; IQ-USP
OUT 37	A GREEN METHOD BASED ON NATURAL DEEP EUTECTIC SOLVENTS FOR ELEMENTAL ANALYSIS OF SOIL SAMPLES BY FAAS Luana Mothe Soares; Giovanna Carneiro Costa; João Batista Pereira Junior; William Quaresma Ferreira; Sergio Luis Costa Ferreira; Francisco Antônio da Silva Cunha UFBA
OUT 38	PHYSICOCHEMICAL CHARACTERIZATION FOR QUALITY CONTROL AND DIGITAL IMAGES FOR DETERMINATION OF FURFURALS IN HONEY SAMPLES Raylla Bueno da Silva Barbosa UFT
OUT 39	FLUORESCENT PROBES EXPLORING INDUCED AGGREGATION EMISSION EFFECT FOR Cu(II) DETECTION: FROM SYNTHESIS TO APPLICATION IN REAL SAMPLES



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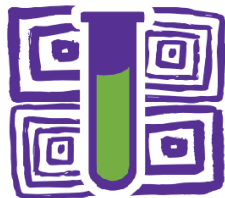
	Isis Martins Figueiredo; Ari Souza Guimarães; Jaelson S. Santos; Adeildo J. de Oliveira; Sílvia H. Cardoso; Josué C. C. Santos UFAL; UFAL
OUT 40	CAN WE IDENTIFY NBOHS QUICKLY AND EASILY? 4-AMINOANTIPYRINE SAYS YES Claudia Mancilha Rocha; Clésia Cristina Nascentes; Ângelo de Fátima UFMG
OUT 41	DETERMINATION OF COCAINE PURITY BY QNMR FOR ROUTINE QUALITY CONTROL API RAW MATERIALS USED IN THE CALIXCOCA VACCINE Augusto César Carvalho Santos; Henrique Esteves; Ângelo de Fátima; Clesia Cristina Nascentes UFMG; UEL
OUT 42	ANTIOXIDANT CAPACITY OF PASSION FRUIT SEED OIL IN THE NUTRITION OF LAYING HENS UNDER HEAT STRESS: INVESTIGATION OF CHANGES IN THE PLASMA PROTEOME Luane Benedita Gonçalves Andrade; Joyce Andrade da Silva; José Cavalcante Souza Vieira; Paola Aparecida Damázio Rodrigues; Laís Garcia Cordeiro; Gabrieli Andressa de Lima; Júlia de Lima Lopes; Vânia Regina Bravim; José Roberto Sartori; Pedro de Magalhães Padilha UNESP

POSTER SESSION III

SEPTEMBER 17th (TUESDAY): 17:00 -18:15 h

ELECTROANALYTICAL: ELE 68 - ELE 101

ELE 68	DEVELOPMENT OF 3D-PRINTED MICROFLUIDIC DEVICES WITH INTEGRATED SENSING ELECTRODES FOR ELECTROCHEMICAL DETECTION OF KETAMINE Genildo dos Santos Costa Junior; Lucas da Costa Duarte; Luciano Chaves Arantes; Wallans Torres Pio dos Santos; Wendell Karlos Tomazelli Coltro UFG; PC-DF; UFVJM
ELE 69	SYNTHESIS O FB-DIKETONES: Eu (III) FOR QUALITATIVE DETERMINATION OF COCAINE Briyitte Sofia Salazar Torres; Andreza Alves de Souza; Ricardo Saldanha Honorato; Severino Alves Junior; Lívia Brito; Ana Paula Silveira Paim UFPE; SCIENTIFIC POLICE- PE
ELE 70	FUNGI-DERIVED CARBON WITH BIOSYNTHESIZED SILVER NANOPARTICLES APPLIED IN THE DEVELOPMENT OF ELECTRODES FOR SUPERCAPACITORS Adelir Aparecida Saczk; Matheus Julien Ferreira Bazzana; Thiago Carvalho Ribeiro; Tatiana Cardoso e Bufalo ; Eustáquio Souza Dias; Joaquim Paulo da Silva; Mylene Silva Ladislão UFLA
ELE 71	DEVELOPMENT OF A MINIATURIZED ELECTROCHEMICAL SENSOR FOR CARBENDAZIM DETECTION Lauanne Rocha Silva; João Vitor Fernandes Paiva; Guilhermina Ferreira Teixeira; Flavio Colmati Junior; Lívia Flório Sgobbi; Luiz Felipe Cabral Lino UFG
ELE 72	ELECTROCHEMICAL SENSOR COMBINED WITH CHEMOMETRICS FOR COCAINE ADULTERANT DETECTION AND DISCRIMINATION Vitória Freire; William Reis de Araujo UFSCar; UNICAMP
ELE 73	GLUCOSE QUANTIFICATION IN ORAL REHYDRATION SOLUTIONS WITH LASER-SINTERED 3D-PRINTED COPPER SENSORS Priscila Simões Luís Silva; Lauro Antonio Pradela Filho; Diele Aparecida Gouveia Araújo; Thiago Regis Longo Cesar Paixão IQ-USP

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ELE 74	A DISPOSABLE ELECTROCHEMICAL DEVICE FOR ANTIBIOTIC TRIMETHOPRIM DETERMINATION BASED ON BIOCHAR FROM SEWAGE TREATMENT PLANT Julia Oliveira Fernandes; Cassiano Augusto Rolim Bernardino; Francisco Walison Lima Silva; Claudio Sabbatini Capella Lopes; Claudio Fernando Mahler; Márcia Cristina da Cunha Veloso; Gilberto Alves Romeiro; Ricardo Erthal Santelli; Braulio Soares Archanjo; Fernando Henrique Cincotto UFRJ; INMETRO
ELE 75	ENHANCED ASCORBATE DETECTION USING SECM WITH A NANOPOROUS GOLD MODIFIED ULTRAMICROELECTRODE Pedro Henrique Alves Damasceno; Mauro Bertotti IQ-USP
ELE 76	NON-ENZYMATIC AMPEROMETRIC STENCIL-PRINTED SENSOR MODIFIED WITH COPPER FOR GLUCOSE DETERMINATION Laura Beatriz Oliveira da Mota; Wendel Ferreira Santos; Paulo de Tarso Garcia; William Reis de Araújo UNIFESSPA; UNICAMP; UFJ
ELE 77	ELECTROCHEMICAL SENSING OF IODIDE IN PHARMACEUTICALS BY MIL-100 MODIFIED CARBON PASTE ELECTRODE Rosângela Cristina Barthus; Ramon Raoni Ferreira da Fonseca; Vitor Zorzal Majeski; Marcelo Gonçalves Prado Junior; Maurício Candal de Matos; Priscilla Paiva Luz UFES
ELE 78	VOLTAMMETRIC DETERMINATION OF SULFANILAMIDE USING BIOCHAR- MODIFIED CARBON PASTE ELECTRODE Marcio Fernando Bergamini; Cristiane Kalinke; Lucas L. Cabral; Marcia G. P. Valenga; Luiz Humberto Marcolino Junior UFPR
ELE 79	LABEL-FREE ELECTROCHEMICAL BIOSENSOR BASED ON PNA AND DENDRITIC NANOCOMPOSITE FOR DETECTION OF GASTRIC CANCER BIOMARKERS Adrian Alejandro Ges Naranjo; Gabriela Sanchez Sanhueza; Javier Morales Montecinos; Sylvain Ladame Universidad de Concepcion; Universidad de Chile; Universidad de la Habana
ELE 80	ELECTROCHEMICAL MECHANISM OF INDAPAMIDE OXIDATION ON GLASSY CARBON ELECTRODE Thawan Gomes de Oliveira; Jéssica L.M. Cappelleti; Rafael A.L. Chioquetti; Douglas A.M. Martins; Josué M. Gonçalves; Rodrigo S. Souza; Helton P. Nogueira; Silvia H. P. Serrano; Koiti Araki; Lúcio Angnes; Raphael P. Bacila IQ-USP
ELE 81	LABEL-FREE ELECTROCHEMICAL BIOSENSOR BASED ON SARS-COV-2 OLIGONUCLEOTIDES FOR COVID-19 DETECTION Ilanna Campelo Lopes; Marykléa Castelo Branco Nogueira; Mayara Ingrid Sousa Lima; Maria Luiza Ferreira Dantas; Auro Atsushi Tanaka UFMA
ELE 82	EVALUATION OF THE SELECTIVITY OF VOLTAMMETRIC METHODS FOR THE DETERMINATION OF PARACETAMOL AND LEVOFLOXACIN Enzo Marcello Otto; Giovane de Jesus; Thawan Gomes; Eleilton da Silva; Fernando Silva Lopes IQ-USP
ELE 83	CARBON PASTE ELECTRODES MODIFIED WITH NICKEL GLYCEROLATE FOR GLUCOSE DETECTION Mateus de Almeida Batista; Irlan dos Santos Lima; Lúcio Angnes USP
ELE 84	LASER-INDUCED GRAPHENE ELECTROCHEMICAL SENSOR FOR QUANTITATIVE DETECTION OF NIMESULIDE Luiza Maria Ferreira Dantas; Mylla Karliane Vera Cruz Fróz; NAYla Iasmin Santos de Miranda; Gabrielly Pereira da Silva; Matheus Barros Garcez; Auro Atsushi Tanaka; Iranaldo Santos da Silva



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ELE 85	DETECTION OF ASCORBIC ACID IN NATURAL ORANGE JUICE USING A NANOPOROUS GOLD MICROELECTRODE Eduarda Soldi Sartori Seixas; Pedro Henrique Alves Damasceno; Gilberto José Silva Junior; Mauro Bertotti IQ-USP
ELE 86	EVALUATION OF CO-DEPOSITION OF PALLADIUM AND GOLD NANOPOROUS IN MICROELECTRODES FOR HYDROGEN PEROXIDE DETECTION Paula Calli Falcowski; Douglas Philip Martinez Saraiva; Mauro Bertotti USP
ELE 87	ELECTROCHEMICAL BIOSENSOR STRATEGY COMBINING DNA NANOSTRUCTURES, TRIPLE STRANDED NUCLEIC ACIDS, AND ACTIVATED CRISPR CAS13A ACTIVITY TO DETECT A CIRCULAR RNA BIOMARKER FOR EARLY HEPATOCELLULAR CARCINOMA DIAGNOSIS Rafael Gonçalves Pontes; Dagwin Wachholz Junior; Bruna Maria Hryniewicz; Lauro Tatsuo Kubota UNICAMP
ELE 88	TAILORING 3D-PRINTED SENSOR PROPERTIES WITH REDUCED-GRAPHENE OXIDE FOR ENHANCED DETECTION OF 2,4,6-TRINITROTOLUENE Jéssica Santos Stefano; Michele Verena Conceição Oliveira da Silva; Mayane Sousa Carvalho; Luiz Ricardo Guterres e Silva; Raquel Gomes da Rocha; Luciana Vasconcelos Cambraia; Bruno Campos Janegitz; Edson Nossol; Rodrigo Alejandro Abarza Muñoz; Eduardo Mathias Richter UFMA; UFU; UFMG; UFSCar
ELE 89	DEVELOPMENT OF AN ELECTROCHEMICAL SENSOR FOR THE INDIRECT DETECTION OF PSEUDOMONAS AERUGINOSA IN HUMAN SALIVA Guida Hellen Mota do Nascimento; Lucas Felipe de Lima; William Reis de Araujo UNICAMP; USP
ELE 90	DETERMINATION OF MONORHAMNOLIPID PRODUCED THROUGH BIOELECTROCHEMICAL SYSTEMS USING A MOLECULARLY PRINTED ELECTROCHEMICAL SENSOR OF GLYCINE AND REDUCED GRAPHENE OXIDE Matheus Bispo de Souza; Bárbara Camila de Araújo Souza; Nelson Ramos Stradiotto UNESP
ELE 91	A CRISPR/CAS12A-POWERED ELECTROCHEMICAL BIOSENSOR FOR ULTRASENSITIVE DETECTION OF PATHOGENIC BACTERIAL DNA Lauro Tatsuo Kubota; Dagwin Wachholz Junior; Rafael Gonçalves Pontes UNICAMP
ELE 92	THEORETICAL AND EXPERIMENTAL REPORT ON THE ELECTROOXIDATION OF VINPOCETINE USING A MODIFICATION FREE SENSING PLATFORM: APPLICATION TO PHARMACEUTICAL FORMULATIONS Cristiane Luisa Jost; Adriano Rogerio Silva Lima; Gabriel Chitolina Rodrigues; Caio Raphael Vanoni; Alan Carlos Rezende Rodrigues; Gustavo Amadeu Micke; Giovanni Finoto Caramori; Ricardo Ferreira Affeldt; Glaucio Régis Nagurniak UFSC;
ELE 93	ADDITIVELY MANUFACTURED ELECTROCHEMICAL GENOSENSOR FOR THE DETECTION OF HUMAN MONKEYPOX VIRUS Luiz Ricardo Guterres e Silva; Jessica Santos Stefano; Cristiane Kalinke; Laís Canniatti Brazaca; Luiz Humberto Marcolino Jr; Marcio Fernando Bergamini; Robert D. Crapnell; Craig E. Banks; Bruno Campos Janegitz UFMA; UFPR; USP; Manchester Metropolitan University; UFSCar
ELE 94	DEVELOPMENT OF A PORTABLE AND AUTONOMOUS POTENTIOSTAT FOR ON-SITE CHEMICAL ANALYSES Rafael Silva Santos; Gabriel Negrão Meloni; Thiago Regis Longo Cesar da Paixão IQ-USP
ELE 95	DEVELOPMENT OF A NANOPOROUS PALLADIUM-BASED ELECTROCHEMICAL SENSOR FOR ETHANOL DETECTION IN SALIVA

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	Samira Awada; Paula C. Falcoswki; Douglas P. M. Saraiva; Mauro Bertotti USP
ELE 96	CORRELATION BETWEEN DETECTION LIMIT, SENSITIVITY, CURRENT DENSITY, AND ELECTROACTIVE AREA ON THE DETECTION OF NITRITE USING A NANOPOROUS GOLD ELECTRODE Beatriz do Espírito Santo da Silva; Leonardo Marques Alves Ribeiro; Douglas Philip Martinez Saraiva; Mauro Bertotti USP
ELE 97	ELECTROCHEMICAL QUANTIFICATION OF SUCROSE USING A NANOSTRUCTURED SURFACE CONTAINING ELECTROPOLYMERIZED ASPARTIC ACID FILM Max Fabrício Falone Varelo; Gabireli C. de Prinsipe ; Nelson Ramos Stradiotto UNESP; IPBEN
ELE 98	DISPOSABLE MICROFLUIDIC DEVICE BASED ON MULTIPLEXED DETECTION OF CITRUS TRISTEZA VIRUS AND CITRUS CANCKER USING ALP AS ELECTROCHEMICAL MARKER Tayane Aguiar Freitas; Thaísa Aparecida Baldo; Camila dos Anjos Proença; Elsa María Marterón; Mariana Pegrucci Barcelos; André Vessoni Alexandrino; Maria Teresa Marques Novo-Mansur; Ronaldo Censi Faria UEAP; UFSCar
ELE 99	CHARACTERIZATION AND APPLICATION OF ELECTROCHEMICAL OXYGEN SENSORS FABRICATED WITH GOLD NANOPORES DECORATED WITH PALLADIUM NANOPARTICLES Letícia Afonso Faria; Paula Calli Falcoswki; Douglas Philip Martinez Saraiva; Mauro Bertotti IQ-USP
ELE 100	MINIATURIZED ELECTROCHEMICAL SENSOR FOR DICLOFENAC DETERMINATION IN ENVIRONMENTAL SAMPLES Eduardo Santos Pereira; Wendel Ferreira Santo; William Reis de Araujo UNICAMP
ELE 101	DEVELOPMENT OF A PAPER-BASED ELECTROCHEMICAL IMMUNOSENSOR FOR DETECTING A BRAIN INJURY BIOMARKER USING SCREEN-PRINTED CARBON ELECTRODES Patrícia Batista Deroco; Lauro Tatsuo Kubota UNICAMP
ATOMIC SPECTROMETRY: EA 23 - EA 32	
EA 23	EVALUATION OF TOTAL CONCENTRATION AND BIOACCESSIBLE FRACTIONS OF Ca, Fe, K, P AND Zn IN BUFFALO MEAT CUTS IN NATURA AND AFTER THERMAL PROCESSING Mariane Gama Nabiça; Kelly das Graças Fernandes Dantas UFPA
EA 24	SECOND-ORDER CALIBRATION HR-CS GF MAS-BASED SIMULTANEOUS DETERMINATION OF BROMINE AND FLUORINE Tatiane de Andrade Maranhão; Amauri P.A. Rosa; Larissa O. Onça; Adriano A. Gomes UFSC; UFRGS
EA 25	DETERMINATION OF TRACE ELEMENTS IN POLYMERS USING HIGH-RESOLUTION CONTINUUM SOURCE ATOMIC ABSORPTION SPECTROMETRY WITH DIRECT SOLID ANALYSIS Alex Luan Welter; Daniel Lázaro Gallindo Borges; Julia Neves Castello Branco UFSC
EA 26	OVERCOMING CHEMICAL AND SPECTRAL INTERFERENCES IN MERCURY QUANTIFICATION IN SEEDS BY ATOMIC ABSORPTION SPECTROMETRY Leandro dos Santos; Gustavo Flores; Leandro Kolling; Morgana Bazzan Dessuy UFRGS; IFSul-RG. INCT de Energia e Ambiente
EA 27	EMULSION BREAKING EXTRACTION AIMING AT Pb AND Cd DETERMINATION IN AVIATION KEROSENE BY ICP OES Mikaelle de Carvalho Gomes; Jefferson Santos de Gois



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EA 28	ELEMENTAL ANALYSIS IN BUFFALO CHEESES AND HEALTH RISK ASSESSMENT Emily Daniellen Soares Amaral; Mariane G. Nabiça; Charles M. S. Borges; Kelly G. Fernandes Dantas UFPA
EA 29	DETERMINATION OF Cr, Cu, Fe, Mn, Se, AND Zn IN AMAZON NUT GENOTYPES BY ICP-OES Everton L. da Cunha; Mariane G. Nabiça; Alexsandro Sozar Martins; Ediglei Gomes Rodrigues; Aldine Pereira Baia; Marcelino Carneiro Guedes; Laura Figueiredo Abreu; Heronides A. Dantas Filho; Kelly G. Fernandes Dantas UFPA; Manoel Leite Carneiro; UFAM; Embrapa Amapá; Embrapa Amazônia Oriental
EA 30	PRELIMINARY STUDY FOR METAL IONS DETERMINATION IN ELECTRONIC CIGARETTE SAMPLES Eduarda Garcia Santana; Weida Rodrigues Silva; James Michael Silva; Amanda das Graças Barbosa; Ana Alice Silva; Ranny Kelly Tavares Ribeiro; Linconl Lucilio Romualdo; Almir Afonso da Silva; Vanessa Nunes Alves UFCAT
EA 31	DETERMINATION OF TRACE METALS AND NONMETALS IN BIOMASS AND ETHANOL FUEL SAMPLES BY HR-CS GF AAS/MAS FOR AN UNSUPERVISED SAMPLE CLASSIFICATION Leandro Kolling; Ana Laura Neumann; Ágata Luana Gatelli da Silva; Márcia Messias da Silva; Morgana Bazzan Dessuy; Maria Goreti Rodrigues Vale IFRJ; UFRGS
EA 32	VALIDATION OF ANALYTICAL METHOD FOR DETERMINING MERCURY IN A SALINE MATRIX BY ATOMIC VAPOR ABSORPTION SPECTROMETRY Josiane Araujo MAartins Brilhante; Rosiene Rodrigues Pires Meneghetti; Maristela de Araujo Vicente; Alveriana tagarro Tomaz; Vanderleia paula de Jesus ARCELORMITTAL/ ES; UFES
MASS SPECTROMETRY: EM 31 - EM 45	
EM 31	MATHEMATICAL DISTILLATION OF CRUDE OIL USING PARAFAC2 AND FT-ICR MS DATA FOR PREDICTIVE CHARACTERIZATION OF DISTILLATION CUTS Jussara Valente Roque; Gesiane da Silva Lima; Deborah Victoria Alves de Aguiar; Alexandre de Oliveira Gomes; Iris Medeiros Junior; Boniek Gontijo Vaz UFG; Petrobrás
EM 32	LC-ESI-ORBITRAP MS METHODOLOGY FOR STABLE ISOTOPE ANALYSIS OF NITRATE Júlio César de Oliveira Ribeiro; Giovanni Bonatti Bevilaqua; Gabriel Franco dos Santos; Hugo Gontijo Machado; Boniek Gontijo Vaz UFG
EM 33	A NEW PSI-MS/MS SUBSTRATE FOR ACEPHATE DETERMINATION IN FRESH TOMATOES SAMPLES Camila Cíntia Sousa Melo Brito; Jean Carlos Pereira Sousa; Yuri Arrates Rocha; Eduardo Lima Nascimento; Lívia Florio Sgobbi; Andréa Rodrigues Chaves UFG
EM 34	PLASMA METABOLOMICS OF PATIENTS DIAGNOSED WITH ALZHEIMER'S DISEASE UNDER ACETYLCHOLINESTERASE INHIBITORS TREATMENT Mariana Marques; Alessandra Sussulini UNICAMP
EM 35	A SYSTEMATIC STUDY OF THE SIMULTANEOUS DETERMINATION OF Cl, Br, AND I BY AEROSOL-BASED PVG-ICP-MS Gustavo Rossato Bitencourt; Patricia Grinberg; Ralph Edward Sturgeon; Paola de Azevedo Mello UFSM; National Research Council Canada
EM 36	CRUDE OIL AND THEIR OIL DISTILLATION CUTS ASSESSMENT BY ORBITRAP HRMS ANALYSIS



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	Thamara Andrade Barra; Dayane Magalhães Coutinho; Gutierri Ricardo dos Santos Gonçalves Salgueiro; Alexandre de Oliveira Gomes; Francisco Radler de Aquino Neto; Débora de Almeida Azevedo UFRJ; Petrobras
EM 37	PETROLEOMICS STUDY ON THE IMPACT OF WEATHERING ON THE CHEMICAL COMPOSITION OF PETROLEUM FROM BRAZIL'S 2019 OIL SPILL Ana Beatriz Alves de Miranda Salata; Marília Gabriela Araújo Pereira; Isabelle Farias Silva de Lima; Danielle Mitze Muller Franco; Boniek Gontijo Vaz; Jandyson Machado Santos UFRPE; UFPE; UFG
EM 38	CHLORINE AND UV-C REMOVAL OF ATRAZINE, CARBAMAZEPINE, AND SULFAMETHOXAZOLE: IDENTIFICATION OF TRANSFORMATION PRODUCTS AND IN SILICO TOXICITY ASSESSMENT Vitor Mumbach Nilson; Suzan Costa Zilli; Mariana Roberto Gama Sato; Salatiel Wohlmuth da Silva; Livia Streit; Tânia Mara Pizzolato UFRGS
EM 39	AN ENZYMATIC APPROACH FOR CHLORTETRACYCLINE AND ISOMERS DEGRADATION BY LC-MS ANALYSIS Nádia Valéria Gavilan Villegas; Andrés Barriga; Gino Corsini; Ernani Pinto; Ricardo Cabrera Universidad de Chile; Universidad Autónoma de Chile; USP
EM 40	IDENTIFICATION AND QUANTIFICATION OF OFF-FLAVOR MARKERS IN WINES USING LIQUID CHROMATOGRAPHY COUPLED TO HIGH-RESOLUTION MASS SPECTROMETRY Luidy Darllan Barbosa; Leandro Wang Hantao UNICAMP
EM 41	QUANTITATIVE DETERMINATION OF Ba, CA, AND SR IN BREAST CANCER TISSUES BY LA-ICP-MS TATIANA DILLENBURG SAINT PIERRE; Maria Tereza W. Dias Carneiro; Sara Escudero-Cernuda; Maria Luísa Fernandez Sanchez PUC-Rio; UFES; Universidad de Oviedo
EM 42	PRELIMINARY METABOLIC STUDY OF CAFESTOL BY ZEBRAFISH (DANIO RERIO) WATER TANK (ZWT) MODEL AND UHPLC-HRMS: APPLICATION OF 3R'S PRINCIPLES Víctor de Carvalho Martins; Henrique Marcelo Gualberto Pereira; Claudia Moraes de Rezende UFRJ
EM 43	IDENTIFICATION OF RUMINAL PROTEINS ASSOCIATED WITH METHANE EMISSION IN NELLORE BULLS Mykaelli Andrade Santos UFSCar
EM 44	RAPID TARGETED AND THOROUGH NON-TARGETED METHODS FOR PFAS ANALYSIS Marc Yves Chalom; Zahuindanda Aventura; William Fatigante; Andrea Kiehne Bruker do Brasil; Bruker Daltonics
EM 45	QUANTITATIVE MODELING OF NITROGEN COMPOUNDS IN VACUUM RESIDUE THROUGH LOW LEVEL DATA FUSION OF ESI (+) AND ESI (-) FT-ICR MS Julia Dias Pereira; Jussara V. Roque; Deborah V. A. de Aguiar; Alexandre de O. Gomes; Iris Medeiros Júnior; Boniek G. Vaz; GESIANE DA SILVA LIMA UFG; CENPES-PETROBRAS
ANALYTICAL INSTRUMENTATION: IA 27 - IA 41	
IA 27	ANALYTICAL STRATEGY FOR MEASURING FREE ACIDITY IN LICURI (SYAGRUS CORONATE) OIL USING SMARTANALYSIS Liz Oliveira dos Santos; Samantha Serra Costa; Gabriel do Nascimento Lopes UFRB; Escola Família Agrícola do Sertão
IA 28	OPTIMIZING ELECTRICAL CONNECTIONS IN 3D PRINTED ELECTRODES Ivan Verlangieri; Thawan Gomes de Oliveira; Fernando Silva Lopes; Ivano Gebhardt Rolf Gutz; Lucio Angnes; Claudimir Lucio do Lago USP

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IA 29	UTILIZING SMARTPHONES AND 3D PRINTING FOR ENHANCED CLASSROOM EXPERIMENTS IN ATOMIC EMISSION SPECTROSCOPY Marcia Andreia Mesquita Silva da Veiga; Rafael Soares Stenico; Rafael Romano; Larissa Gabrielly Rodrigues Mourão; Letícia Miranda Rodrigues USP
IA 30	DETERMINATION OF ABIETIC ACID IN NATURAL RESINS BY HPLC Thais Fukui de Sousa; Daniela Daniel AQiA Química Inovativa
IA 31	STENCIL PRINTING OF MICROFLUIDIC PAPER-BASED ANALYTICAL DEVICES TO TEACH REDOX REACTIONS FOR HIGH SCHOOL STUDENTS Monise Cristina Ribeiro Casanova Coltro; Cesar Henrique da Silva Neves; Paulo César Oliveira Gomes; Ana Clara da Cunha Silva; Danielly Santos Rocha ; Wendell Karlos Tomazelli Coltro IFG-CAMPUS SENADOR CANEDO; UFG
IA 32	OPTIMIZATION OF A CLOSED IN-LINE SYSTEM FOR DEGRADATION OF 05 ORANGE DYE FROM WASTEWATER Tiago Pereira Müller; Rodrigo Jesus Araújo; Adriano Velame Branco Chagas; Aristides Pavani Filho; Sergio Luis Costa Ferreira UFBA
IA 33	EFFICIENT AND PLAIN MULTI-SIGNAL CALIBRATION USING FLOW ANALYSIS SYSTEMS Vivian Maringolo; Alexandre Zatkovskis Carvalho; Diogo Librandi da Rocha UFABC
IA 34	EFFICIENT AND RADially SYMMETRIC TEMPERATURE CONTROL IN CAPILLARY ELECTROPHORESIS: DEVELOPMENT OF A MACHINE FOR TYING COOLING CAPILLARIES AROUND ANALYTICAL CAPILLARIES Tarso Benigno Ledur Kist UFRGS
IA 35	LAB-ON-A-DISC FOR MONKEYPOX VIRUS DETECTION BY LAMP Gabriela Rodrigues Mendes Duarte; Paulo Felipe Neves Estrela; Kézia Gomes de Oliveira UFG
IA 36	MULTIPLEX RT-LAMP-LFA ASSAY FOR SARS-COV-2 SUBLINEAGES INFERENCE Paulo Felipe Neves Estrela; Giovana Correa Cesarino; Leonardo Matos Ferreira; Paola Cristina Resende; Marilda Mendonça Siqueira UFG; FIOCRUZ
IA 37	FLUORESCIN DETERMINATION IN TEARS AND URINE SYNTHETIC USING A LOW-COST PLATFORM WITH TSL2561 SENSOR AND ARDUINO MICROCONTROLLER James Michael Silva; Amanda das Graças Barbosa; Vanessa Nunes Alves UFCAT
IA 38	IN-SITU SYNTHESIS OF GOLD NANOPARTICLES BY RING-OVEN FOR ULTRASENSITIVE DETERMINATION OF METAL IONS BY LIBS Ana Flávia Loureiro Martins Nascimento; Ivo Milton Raimundo Jr UNICAMP
IA 39	APPLICATION OF VIBRATIONAL SPECTROSCOPY ASSOCIATED WITH CHEMOMETRICS FOR QUALITY CONTROL IN FOOD: STUDIES IN SOYMILK Bruno Magela de Melo Siqueira; Ana Carolina Coêlho Piffer; Yanna Lee de Souza Ramos; Márcia Helena Cassago Nascimento; Nayara Araújo dos Santos; Wanderson Romão INCT-Foreense; IFES-Campus Vila Velha; UFES
IA 40	SMART PAD: AN AUTOMIZED IOT PLATAFORM FOR COLORIMETRIC DETERMINATIONS Caio Cesar Souza Machado; Yugo Satoshi Nagao da Mota; João Flávio da Silveira Petrucci; Sidnei Gonçalves da Silva UFU
IA 41	AUTOMATED OPTOELECTRONIC TONGUE BASED ON A MULTI-CHANNEL SPECTROMETER FOR THE DISCRIMINATION OF ACIDIC AND BASIC COMPOUNDS Josiele Aparecida Magalhães Conrado; João Flávio da Silveira Petrucci; Sidnei Gonçalves da Silva UFU



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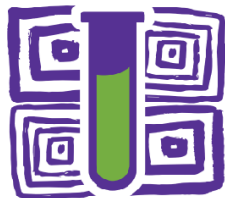
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SEPARATION METHODS: MS 28 - MS 40

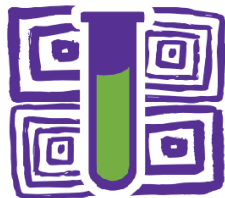
MS 28	ALTERNATIVE CHROMATOGRAPHIC STRATEGIES FOR DETERMINATION OF PHENYLEPHRINE AND ITS RELATED SUBSTANCES Giovane de Jesus Oliveira; Enzo Marcello Otto; Juliana Mika Komura; Eleilton da Silva; Fernando Silva Lopes IQ-USP
MS 29	FRUITS FROM THE BRAZILIAN AMAZON: AN UNEXPLORED PROTEIN SOURCES Luíza Santa Brígida de Barros Góes; Mikael Kelvin Albuquerque Mendes; Ana Paula dos Santos Andrade; Filipe S. R. S. Benvenuto; Lucas Ximenes Araújo; Ana Rita Araújo Nogueira; Edivan Carvalho Vieira; Francisco Xavier Nobre; Emanuel Carrilho UFSCar; UFPI; EMBRAPA; IFAM
MS 30	DEVELOPMENT AND VALIDATION OF FAST METHOD TO DETERMINATION OF FATTY ACID ESTERS OF GLICEROL BY GC-FID Daniela Daniel; Thais Fukui de Sousa Aqia Química Inovativa
MS 31	EVALUATION OF PCBS IN TRANSFORMER OILS USING DATA DRIVEN SOFT INDEPENDENT MODELLING BY CLASS ANALOGY IN A REGULATORY SETTING Fabrício Gomes do Prado; Amilton Moreira de Oliveira; Carlos Alberto Teixeira; Naiara Mariana Fiori Monteiro Sampaio; Leandro Wang Hantao UNICAMP
MS 32	DETERMINATION OF NAPHTHENIC ACIDS IN PRODUCED WATER AND PETROLEUM SAMPLES BY GC×GC-HRMS Millena Couto dos Santos; Naiara Mariana Fiori Monteiro Sampaio; Leandro Wang Hantao UNICAMP
MS 33	CHARACTERIZATION AND EXTRACTION OF ACTIVE ENCAPSULATED COMPONENTS IN NANOEMULSIONS EDMILSON ARRUDA DOS SANTOS; João Victor S. de Araújo; Thiago S. Santos; Ricardo J. Cassella ; Christiane Duyck ; Rafaella R. A. Peixoto IFMA; UFF
MS 34	MULTIDIMENSIONAL STATIONARY PHASE: A NEW PARADIGM IN CHROMATOGRAPHY José Carlos Rodrigues; Fernanda Maria Rodriguez; Vani Xavier de Oliveira Júnior UFABC
MS 35	PROTEIN ISOELECTRIC FOCUSING ON AN INTEGRATED MICROFLUIDIC PAPER DEVICE Geovana de Melo Mendes; Fanny d'Orlye; Laura Trapiella-Alfonso; Gabriela R. M. Duarte; Anne Varenne UFG; PSL University; UFG
MS 36	OPTIMIZATION OF ENERGIZED DISPERSIVE GUIDED EXTRACTION (EDGE) OF PHENOLIC COMPOUNDS IN TEA SAMPLES Elina Bastos Caramão; Rosianne Pereira Silva; Paulo Natan Alves dos Santos; Allan dos Santos Polidoro UFS; UNIT; University of Ferrara
MS 37	EVALUATING THE PRODUCTION OF POLY(STYRENE-DIVINYLBENZENE) OPEN TUBULAR COLUMNS FOR MINIATURIZED LIQUID CHROMATOGRAPHY Camila Will; Fernando Mauro Lanças USP
MS 38	DEVELOPMENT OF AN ANALYTICAL METHOD FOR CHARACTERIZING HYDROCARBON TYPES IN AVIATION FUELS BY GCXGC-MS/QTOF Maria Fernanda Mendes Carvalho; Nathan Coelho; Helvécio Costa Menezes; Zenilda de Lourdes Cardeal UFMG
MS 39	FATTY ACIDS ANALYSIS BY CAPILLARY ELECTROPHORESIS: FUNDAMENTALS, ADVANTAGES AND APPLICATIONS

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	Patrícia Abranches Geraldo; Arthur Woyames de Castro Velasco; Bruna Marchiori Berlande; Jéssica Cordeiro Queiroz de Souza; João Marcos Beraldo Candido; Luiz Henrique Cantarino Adriano; Marco Antônio Domingues Assad e Brito; Maria Patrícia do Nascimento; Olívia Brito de Oliveira Moreira; Marcone Augusto Leal de Oliveira UFJF
MS 40	ENANTIOMER DISTRIBUTION OF MAJOR CHIRAL VOLATILE ORGANIC COMPOUNDS IN SOUR CHERRY HONEY Ivan Špánik; Liudmyla Khvalbota; Barbora Palová; Igor Jerkovic; Peter Szolcsanyi; Artem Nikipelov Faculty of Chemical and Food Technology – Slovakia; University of Split – Croatia

SAMPLE PREPARATION: PREP 59 - PREP 87

PREP 59	LIQUID-LIQUID MICROEXTRACTION ASSOCIATE WITH DISPERSIVE SOLID-LIQUID MICROEXTRACTION TO DETERMINE N-COMPOUNDS IN FUELS Fábio Xavier Antunes Sampaio; Laura Costa Camandaroba; Pedro Victor Bomfim Bahia; Jailson Bittencourt de Andrade; Maria Elisabete Machado SENAI-CIMATEC; UFBA
PREP 60	DEVELOPMENT OF SAMPLE PREPARATION METHODS FOR FURTHER RARE EARTH ELEMENTS DETERMINATION IN BLOOD BY USN-ICP-MS Gabriel Toneto Druzian; Mariele Samuel do Nascimento; Fabio Andrei Duarte; Rodrigo Cordeiro Bolzan; Márcia Foster Mesko; Erico Marlon de Moraes Flores UFSM
PREP 61	DEVELOPMENT OF A MINIATURIZED METHOD FOR CHLORIDE DETERMINATION IN CRUDE OIL BY POTENTIOMETRIC TITRATION Marele Samuel do Nascimento; Cristian Rafael Andriolli; Rochele Sogari Picoloto; Fábio Andrei Duarte; Paola de Azevedo Mello; Érico Marlon de Moraes Flores UFSM
PREP 62	EVALUATION OF DISSIPATION/MIGRATION OF IMAZALIL IN PAPAYA USING LOW-TEMPERATURE PARTITION AND GC-MS ANALYSIS Maria Eliana Lopes Ribeiro de Queiroz; Jéssika Faeda Freitas; André Fernando de Oliveira; Alessandra Aparecida Zinato Rodrigues; Davi Vittorazzi Salvador; Liany Divina Lima Miranda; Aline Maria Teixeira; Leandro de Paula Ribeiro; Robson Ribeiro Alves UFV
PREP 63	DETERMINATION OF PESTICIDE RESIDUES IN GREEN TEA USING LOW-TEMPERATURE PARTITIONING AND ANALYSIS BY GC-MS José Humberto de Queiroz; Aline Maria Teixeira; Maria Eliana Lopes Ribeiro de Queiroz; André Fernando de Oliveira; Alessandra Aparecida Zinato Rodrigues; Fábio Júnior Moreira Novaes; Jéssika Faêda de Freitas; Liany Divina Lima Miranda UFV
PREP 64	GLYPHOSATE DETERMINATION IN UNROASTED COFFEE BEANS Ana Carolina Pereira Paiva; Emanuel Carvalho de Assis; Antonio Alberto da Silva; Maria Eliana Lopes Ribeiro de Queiroz; Leonardo d'Antonino UFV
PREP 65	EVALUATION OF TISSUE SORPTION ON 3D ROTATING DEVICE FOR NICKEL EXTRACTION AND DETERMINATION BY DIGITAL IMAGE ANALYSIS Vanessa Nunes Alves; Eduarda Garcia Santana; Weida Rodrigues Silva; Lincoln Lucílio Romualdo UFCAT
PREP 66	BIFUNCTIONAL ORGANIC MONOLITHIC PHASE FOR IN-TUBE SPME-LC-MS/MS ANALYSIS OF HOMOCYSTEINE AND HOMOCYSTEIC ACID IN CEREBROSPINAL FLUID SAMPLES Igor Gustavo de Carvalho Oliveira; Maria Eugênia Costa Queiroz USP
PREP 67	EVALUATION OF MW-UV FOR DEGRADATION OF P-ARSANILIC ACID (P-ASA) FOR DETERMINATION OF TOTAL ARSENIC BY CVG-MIP OES

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	Luan Ferreira Passos; Camila Cerveira; Juliana S. F. Pereira; Diogo P. de Moraes UFRGS
PREP 68	EVALUATION OF SAMPLE PREPARATION METHODS WITH DILUTE ACID FOR DETERMINATION OF Se IN PROBIOTICS BY HYDRIDE GENERATION-MIP OES Luan Ferreira Passos; Larissa M. A. Oliveira; Nicole P. Bins; Diogo Pompéu de Moraes; Juliana Severo Fagundes Pereira UFRGS
PREP 69	DEVELOPMENT OF A SIMPLE PRECONCENTRATION METHOD FOR DETERMINING SULFATE IONS IN ETHANOL FUEL BY HR-CS GF MAS Leandro Kolling; Ana Laura Neumann; Marcia Messias da Silva; Maria Goreti Rodrigues Vale IFRJ; UFRGS
PREP 70	THIN FILM MICROEXTRACTION AS A SAMPLE PREPARATION STRATEGY FOR THE DETERMINATION OF METALS IN LIQUID SAMPLES BY LIBS Ivanise Gaubeur; Andrea Marco; Montserrat Hidalgo UFABC; Universidade de Alicante
PREP 71	EVALUATION OF CLOUD POINT EXTRACTION FOR MERCURY SPECIATION AND DETERMINATION BY TDA AAS Charles Miller de Souza Borges; Kelly das Graças Fernandes Dantas UFPA
PREP 72	PRELIMINARY EVALUATION OF THE TOTAL CONTENTS OF Cu, Fe, K, Mn AND Zn IN BUFFALO LIVER BY MIP-OES AFTER DIFFERENT THERMAL PROCESSINGS Thalysen Heitor Ferreira Rodrigues; Mariane Gama Nabiça; Kelly das Graças Fernandes Dantas UFPA
PREP 73	DETERMINATION OF TOTAL FLUORINE IN TEA LEAVES, INFUSIONS, AND RESIDUE Aline Luiza Simsen; Jenifer Heller Cerqueira; Fernanda Pitt Balbinot; Filipe Soares Rondan; Márcia Foster Mesko UFPEl
PREP 74	A SILICA CHITOSAN-GRAPHENE OXIDE BIOSORBENT FOR MICROEXTRACTION BY PACKED SORBENT OF ANTIBIOTICS IN FOOD Rafael Oliveira Martins; Fernando Mauro Lanças USP
PREP 75	HIBISCUS SABDARIFFA: EVALUATION OF USE IN A MAGNETIC SOLID PHASE EXTRACTION SYSTEM COBALT IONS PRECONCENTRATION Ana Alice Silva; Eduarda Garcia Santana; Vanessa Nunes Alves UFCAT
PREP 76	MULTIELEMENT ANALYSIS OF FRESH AND CANNED PALM HEARTS FROM DIFFERENT PALM TREES BY ICP-OES Thayanna Ferreira Rodrigues; Cecilia Correia Pereira; Kelly G. Fernandes Dantas UFPA
PREP 77	DEVELOPMENT OF A METHOD FOR THE DETERMINATION OF PAH_s IN PYROLIGNEOUS ACID BY GC-FID Antônio Miguel Gomes Lima; Márcia Helena Scherer Kurz; Marcia Victoria Silveira; Lenise Guimarães de Oliveira; Carlos Roberto de Menezes Peixoto; Daiane Dias; Luiz Antonio de Almeida Pinto; Fábio Ferreira Gonçalves FURG
PREP 78	ENHANCED METAL DETECTION IN FERMENTED BEVERAGES BY FAAS USING ALGINATE- ENCAPSULATED HYDROPHOBIC DEEP EUTECTIC SOLVENT Mateus Olivera Müller; Mariana Expedito Maynardes de Araujo; Floriatan Santos Costa; Mario Henrique Gonzalez; Clarice Dias Britto do Amaral UFPR
PREP 79	EVALUATION OF DECOMPOSITION METHOD USING MICROWAVES TO DETERMINE MERCURY IN SEDIMENTS Rosiene Rodrigues Pires Meneghetti; Josiane Araújo Martins Brilhante; Maria de Fátima Pereira dos Santos; Alveriana Tagarro Tomaz; Matheus Volkeres Prado UFMA; UFES

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PREP 80	APTAMER-MODIFIED HYBRID-SILICA MONOLITHIC CAPILLARY FOR DETERMINATION OF BIOMARKERS PEPTIDES BY IN-TUBE SPME-HPLC-MS/MS Maria Eugênia Queiroz Nassur; Israel Donizeti Souza; Audrey Cômbe; Valérie Pichon; USP; ESPCI-Paris
PREP 81	SAMPLE PREPARATION AND MULTIELEMENTAL DETERMINATION IN ROSEMARY SAMPLES BY USING MIP OES Williane Nascimento Silva; Walter Nei Lopes dos Santos; UFBA
PREP 82	SWITHABLE DEEP EUTECTIC SOLVENT (SDES) FOR MULTIELEMENTAL EXTRACTION FROM AQUEOUS SAMPLES AND DETERMINATION BY FAAS Adriano Lucas Paiva dos Santos; Mateus Olivera Müller; Clarice Dias Britto do Amaral; Marco Tadeu Grassi; UFPR
PREP 83	EVALUATION OF FACTORS THAT INFLUENCE THE MICROWAVE ASSISTED EXTRATION OF CAROTENOIDS FROM PUPUNHA PEEL AND PULP FLOUR Gleicyane Kelly de Souza Aleixo; Mariane G. Nabiça; Neirivaldo S. Cavalcante; Heronides A. Dantas Filho; Kelly G. Fernandes Dantas UFPA
PREP 84	SYNTHESIS AND APPLICATION OF SiO₂-COATED CoFe₂O₄ NANOPARTICLES FOR PRECONCENTRATION OF FLAVONOIDS IN LETTUCE SAMPLES Isaac Matheus de Jesus Silva; Lucas Almir Cavalcante Minho; Walter Nei Lopes dos Santos; Sérgio Luis Costa Ferreira UFBA
PREP 85	LIQUID-LIQUID MICROEXTRACTION WITH SWITCHABLE HYDROPHILICITY SOLVENT FOR THE DETERMINATION OF TOTAL CAROTENOID CONTENT IN FOODS Irakerley A Fernandes; Lucivania R Santos; Cícero A L Júnior; Clecio D Filho; Edivan C Vieira IFMA; UFPI; UEMA
PREP 86	BROMINE AND IODINE IN SEAFOOD: INFLUENCE OF CULINARY TREATMENTS AND HALOGEN BIOAVAILABILITY ASSESSMENTS Larissa Cristine Andrade da Costa; UFPEl
PREP 87	DETERMINATION OF COBALT IN PEANUT OIL: A FAST AND LOW-COST SAMPLE PREPARATION METHOD BY RP-DLLME Eder Lisandro de Moraes Flores; Larissa Cristina De Souza Gabarron Bargas; Andre Luis Freitas De Amorim; Marcos Andre Bechlin ; Oldair Donizeti Leite UTFPR
ENVIRONMENTAL CHEMISTRY: QA 57 - QA 85	
QA 57	BANANA PEEL-DERIVED BIOCHAR VIA PYROLYSIS TREATMENT FOR THE REMOVAL OF NITROFURANTOIN IN WASTEWATER Cassiano Augusto Rolim Bernardino; Claudio Fernando Mahler; Francisco Walison Lima Silva; Julia Oliveira Fernandes; Bernardo Ferreira Braz; Renata Coura Borges; Claudio Sabbatini Capella Lopes; Ricardo Erthal Santelli; Gilberto Alves Romeiro; Fernando Henrique Cincotto UFRJ; UFF
QA 58	POTENTIALLY TOXIC ELEMENTS (Cd, Pb, As) IN ATMOSPHERIC PRECIPITATION IN COAL MINING AND COMBUSTION AREAS Morgana Bazzan Dessuy; Bianca D. Lima; Rita C. M. Alves; Fernanda P. Machado; Leandro Kolling UFRGS
QA 59	EFFECT OF NI DOPING ON PERFORMANCE OF G-C₃N₄ FOR ADSORPTION OF DOXYCYCLINE ANTIBIOTIC Gabriella Rodrigues Fernandes da Silva UFT
QA 60	BIOTRANSFORMATION OF INORGANIC ARSENIC (As-I) IN NILE TLAPIA (<i>OREOCHROMIS NILOTICUS</i>)



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	Mario Henrique Gonzalez; Nathalia dos Santos Ferreira; Ívero Pita Sá; Clarice Dias Britto do Amaral; Ana Rita de Araujo Nogueira UNESP; EMBRAPA; UFPR
QA 61	PERFORMANCE OF MAGNETIC BIOCHAR FROM RICE HUSK IN DYE DEGRADATION VIA PHOTO-FENTON PROCESS Gabriella Moura cardoso; Jany Hellen Ferreira de Jesus USP
QA 62	OBTAINING MAGNETIC BIOCHAR FROM SOY WASTE FOR METAL EXTRACTION APPLICATION Isaac dos Santos Nunes; Krystopher Borges Krammer; Isadora Soares Munhoz; Bianca Rigon Santos; Sara Alves Cunha; Daiane Dias; Eliézer Quadro Oreste UEAP; FURG
QA 63	MIMICKING HUMAN INGESTION OF MICROPLASTICS FROM THE ENVIRONMENT FOR EVALUATION OF ORAL BIOACCESSIBILITY OF TRACE METALS BY IN VITRO TESTS Allan Machado Oliveira da Silva; Lais Araujo Souza UFPE
QA 64	EVALUATION OF METAL-ORGANIC FRAMEWORK UIO-66 AS ADSORBENT FOR REMOVAL OF p-ARSANILIC ACID FROM WASTEWATER Luan F. Passos; Vinícius P. Gil; Vicente P. Matos; Beatris L. Mello; Christian W. Lopes; Éder C. Lima; Diogo Pompéu de Moraes UFRGS; UFPR
QA 65	METALS MONITORING IN DRINKING WATERS FROM PORTO ALEGRE AFTER FLOODING EVENTS IN RIO GRANDE DO SUL USING MICROWAVE INDUCED PLASMA OPTICAL EMISSION SPECTROMETRY Nicole Pereira Bins; Luan Ferreira Passos; Vinícius Pospichil Gil; Diogo Pompéu de Moraes; Juliana Severo Fagundes Pereira UFRGS
QA 66	DETERMINATION OF PESTICIDES AND PHARMACEUTICALS IN WATER SUPPLY SYSTEMS: A CASE STUDY DURING FLOODS IN RIO GRANDE DO SUL Nicole Haas Lazzari; Giséle Prado da Rosa; Tiago Corrêa Feijó; Vitor Mumbach Nilson; Mariana Roberto Gama Sato; Tânia Mara Pizzolato UFRGS
QA 67	A FLUORESCENT BIOSENSOR BASED ON CYSTEINE-CARBON DOT TO DETECT AG⁺ IONS USING A DIGITAL IMAGE METHOD Renata Almeida Farias; João Paulo Barbosa de Almeida; Vinicius de Alcântara Carvalho; Vagner Bezerra dos Santos UFPE
QA 68	AMAZON FOREST AND ITS INTERCONNECTION WITH THE WATER RESOURCES AND BIODIVERSITY Nivea Maria Mar Campos IME
QA 69	CAMINHOS DA ÁGUA-UNION OF EFFORTS IN THE PRESERVATION OF SPRINGS Maria Regina de Oliveira Casartelli; Luiza Pereira Leal; Adriane Roedel Hirdes UNIPAMPA
QA 70	DETERMINATION OF PHTHALATE ESTERS IN MUNICIPAL WATER SUPPLY SYSTEMS: PRE AND POST FLOODS PARALLELS IN PORTO ALEGRE-RS Clara Viana Miranda; Mariana Roberto Gama Sato; Tânia Mara Pizzolato UFRGS
QA 71	DETERMINATION OF MERCURY IN STINGLESS BEE HONEY FROM THE PARÁ STATE BY TDA AAS Camila Valente Batista; Charles Miller S. Borges; Neirivaldo Cavalcante da Silva; Kelly G. Fernandes Dantas UFPA
QA 72	GREEN CHEMISTRY AND WHITE ANALYTICAL CHEMISTRY USING NEAR INFRARED SPECTROSCOPY AND MACHINE LEARNING

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	Leovergildo Rodrigues Farias; João dos Santos Panero; Rosana Ferreira de Sousa; Rosivaldo Ferreira de Sousa; Pedro dos Santos Panero; Mirla Janaina Augusta Cidade; Wilson Botelho do Nascimento Filho; Francisco dos Santos Panero IFRR; UFRR; UFSCar
QA 73	CORRELATION BETWEEN THE BIOAVAILABILITY OF METALS AND GRANULOMETRY IN SEDIMENTS FROM THE COASTAL SYSTEM OF PERNAMBUCO Silvio Joseph J. Costa do Nascimento; Laís Araújo Souza UFPE
QA 74	EVALUATION OF FISH EXPOSURE IN AQUARIUMS CONTAINING MINING TAILINGS Allan da Silva Cruz; Dulcidéia da C. Palheta; Heronides A. Dantas Filho; Aline Teixeira e Sousa; Vivian Ariel Gatinho; Anny Beatriz Damasceno; Michelle S. Lemos; Kelly G. Fernandes Dantas UFPA; UFRA
QA 75	USE OF BIOREMEDIATOR FOR REMEDIATION OF GROUNDWATER CONTAMINATED BY ORGANOCHLORINES Lincoln Gabriel Santiago de Aquino; Kelly Cristina Barbosa da Silva; Danielle Caroline Schnitzler UTFPR
QA 76	QUANTIFICATION OF PESTICIDE RESIDUES IN HONEY USING LC-MS/MS Ana Paula Ferreira de Souza; Nadia Regina Rodrigues; Felix Guillermo Reyes UNICAMP
QA 77	BEHAVIOR OF GERMANIUM (IV) IN SURFACE FRESHWATER Mayara Padovan dos Santos; Shelden Maciel de paula; Anne Raquel Sotiles; Éder José dos Santos; Marco Tadeu Grassi UFPR; UNICENTRO; TECPAR
QA 78	BIOAVAILABILITY OF AL, FE, MN AND ZN IN A DECOMMISSIONED MINING AREA USING TRANSPLANTED FISH AND DGT TECHNIQUE Guilherme dos Santos Lima; Carlos Eduardo Eismann; Lucas Pellegrini Elias; Luiz Felipe Pompeu Prado Moreira; Jose Lucas Martins Viana; Amauri Antonio Menegario UNESP
QA 79	2019 OIL SPILL: OCCURRENCE OF PETROLEUM HYDROCARBONS AND THEIR IMPACTS ON THE COAST OF NORTHEAST BRAZIL Viviane Agostinho da Silva Lemos; Laercio Lopes Martins; Rivelino Martins Cavalcante UFC; UENF; UFC
QA 80	PREDNISOLONE DETECTION BY QUENCHING 3MPA-CDTE QUANTUM DOTS LUMINESCENCE Augusto César França de Oliveira; LÍVIA Florio Sgobbi; Charlene Regina Santos Matos; Andréa Fernandes Arruda UFG; UFS
QA 81	EVALUATION OF THE EFFECTIVENESS OF TWO PLANT BIOMASSES FROM THE AMAZON REGION IN ADSORPTION MECHANISMS Márcio H. N. Santos; Marcus P. S. S. Costa; Hermes G. Lopes; Lindomar C. A. de Araújo; Valdomiro L. Martins; Margarida Carmo de Souza UFAM
QA 82	ASSESSMENT OF CHEMICAL ELEMENT CONTAMINATION IN FISH SAMPLES THROUGH HUMAN HEALTH RISK INDICES Ícaro Sacramento de Almeida Porto; Saulo V.A. Dantas; Caio S.A. Felix; Francisco A.S. Cunha; João B. Pereira Junior; Sergio L.C. Ferreira UFBA
QA 83	OCCURRENCE OF MERCURY IN POLYCHAETE SPECIES (ANNELIDA) AND THEIR ASSOCIATED SEDIMENTS FROM AN IMPORTANT SOUTHERN ATLANTIC OCEAN BAY Robson Mota de Jesus; Maria Cláudia R. Sola; Madson M. Nascimento; Gisele O. da Rocha; Jailson B. de Andrade UNIFESSPA; UFBA
QA 84	DIAGNOSIS OF PFAS CONTAMINATION IN AQUATIC ECOSYSTEMS IN THE CANTAREIRA SYSTEM REGION - SP Lucia Helena Gomes Coelho; Roberta Oliveira Servilha; Ricardo Santos Silva; Joanne Roberts

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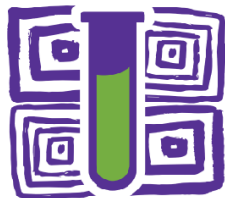
	UFABC; Glasgow Caledonian University
QA 85	LEVOGLUCOSAN IN BOTTOM SEDIMENTS OF THE LOWER RIO NEGRO, AMAZONAS Caroline de J. Santos; Karenn S. Fernandes; Tereza C. S. de Oliveira UFAM
CHEMOMETRICS: QM 31 - QM 44	
QM 31	IDENTIFICATION AND QUANTIFICATION OF METHANOL IN COMMERCIAL GASOLINE USING PORTABLE NIR AND MULTIVARIATE ANALYSIS Fernanda Araujo Honorato; Victor de Andrade Lima; João Carlos da Cunha Rangel UFPE
QM 32	PARADISE: AN AUTOMATED SYSTEM FOR PROCESSING GC-MS DATA - A CASE STUDY USING BIO-OILS SAMPLES OBTAINED FROM HTL Flávio Montenegro de Andrade; Samuele Pellacani; Raquel Santos Silva; RAYANE Maria do Nascimento; Jandyson Machado Santos; Diogo Ardaillon Simões; Marina Cocchi; Maria Fernanda Pimentel UFPE; UFRPE; UNIMORE (University of Modena and Reggio Emilia, Italy)
QM 33	DETERMINATION OF LAURIC ACID IN COMMERCIAL BABASSU OILS BY NIR SPECTROSCOPY AND PARTIAL LEAST SQUARES-PLS Walace Martins Moreira; Desley Furtado Lopes; Jane Kelly Spusa de Brito; Luis Guillermo Cuadrado Durango; Moacir Rossi Forim; Gisele Simone Lopes IFMA; IFCE; UFSCar; UFC
QM 34	PARTICULARITIES IN THE ANALYTICAL CURVES AS REGRESSION MODEL André Fernando de Oliveira UFV
QM 35	ASSESSMENT OF THE COMPOSITION OF MINERAL NUTRIENTS IN PASSION FRUIT CULTIVATED IN THE STATE OF BAHIA: STATISTICAL STUDY OF 15 CULTIVATION AREAS Adriana da Silva Lima; Adriano Velame Branco Chagas; Caio Silva Felix; Giovanna Carneiro Costa ; Joselânio de Jesus Coutinho; Matheus Bonadiman Melo; Rafael Franco Jesus; Saulo Vitor de Araújo Dantas; William Quaresma Ferreira ; Sergio Luis Costa Ferreira UFBA
QM 36	USE OF ION-IMPRINTED POLYMERS FOR THE PRE CONCENTRATION AND DETERMINATION OF CADMIUM AND LEAD Rafael Franco de Jesus; Caio Silva de Assis Félix; Sérgio Luis Costa Ferreira UFBA
QM 37	CHEMOMETRIC EVALUATION OF TOXIC ELEMENTS IN EMERGING MACROPHYTES OBTAINED IN RIO URBANO Ivanice Ferreira dos Santos; Albert Martins Dias ; Sérgio Luís Costa Ferreira; Ícaro S. de Almeida Porto UNEB; UFBA; UFRB
QM 38	MULTIVARIATE ANALYSIS OF DRUG BIOMARKERS IN WASTEWATER: IDENTIFYING TEMPORAL AND REGIONAL CONSUMPTION PATTERNS Antonio Pedro Nogueira Guimarães; Anne Santos De Almeida; Luiz E. T. Gomes; Hadassa S. R. P. Moura; Jez Willian Batista Braga; Fernando Fabriz Sodré UnB
QM 39	CALIBRATION TRANSFER FOR NIR BASED PLS MODELS TO PREDICT ACIDITY INDEX IN ANDIROBA OIL Rayanna Falcão da Rocha Reis; Sabrina Corrêa Gonçalves; Katiane Cunha de Melo; Heronides Adonias Dantas Filho; Luis Adriano Santos do Nascimento; Carlos Emmerson Ferreira da Costa; Neirivaldo Cavalcante da Silva UFPA
QM 40	ANALYSIS OF TRACE ELEMENTS IN MEDICINAL PLANTS FROM RENISUS BY ICP-OES AND MULTIVARIATE ANALYSIS

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	Ricardo Rodrigues Ribeiro; Charles Miller de Souza Borges; Allan da Silva cruz; Heronides Adonias Dantas filho; Kelly das Graças Fernandes Dantas UFPA
QM 41	NIR SPECTROSCOPY IN PORTABLE TECHNOLOGY TO IDENTIFY DIESEL FUEL CONTAMINATED WITH GASOLINE Drielem Damaris Soares Cavalcanti; João Carlos da Cunha Rangel; Fernanda Araújo Honorato UFPE
QM 42	PLS MODELS BASED ON NIR SPECTROSCOPY FOR DETERMINING FIBER AND MANNOSE CONTENT IN AÇAÍ SEED BIOMASS Gabriela Carvalho Caldas; Jhuliany dos Santos Barbosa; Alan Pires Negrão ; Salomão Ferreira da Silva ; Fábio Gomes Moura; Hervé Louis Ghislain Rogez; Neirivaldo Cavalcante da Silva UFPA
QM 43	PRINCIPAL COMPONENT ANALYSIS OF MULTISPECTRAL OPTICAL ORBITAL DATA IN THE INVESTIGATION OF FIRE IN SUGARCANE ACTIVITIES Mirian Cristina Santos; Alexandre Augusto Costa; Lucas Edson Alberguini UNESP; INCT-DATREM, Instituto de Criminalística, Superintendência da Polícia Técnico-Científica, São Paulo(SP)
QM 44	INTEGRATING NEAR-INFRARED HYPERSPECTRAL IMAGING TO INSECTS' TAXONOMY – A CASE STUDY ON THE KATYDIDS GENUS CONOCEPHALUS Gustavo Costa Tavares; Neirivaldo C. da Silva; Ana L. Nunes-Gutjahr; José A. M. Fernandes UFPA; UEPA
OTHERS: OUT 43 - OUT 63	
OUT 43	ANTIOXIDANT POTENTIAL OF CASHEW NUTS TESTA SKIN FROM CLONES OF DWARF CASHEW TREE (<i>ANACARDIUM OCCIDENTALE L.</i>) MIKAEL KÉLVIN DE ALBUQUERQUE MENDES; Eduardo Luiz Rossini; Christian Bremmer dos Santos Oliveira; Carla Mariana da Silva Medeiros; Ana Rita de Araujo Nogueira; Emanuel Carrilho; Cícero Alves Lopes Júnior; Edivan Carvalho Vieira UFPI; USP; Embrapa Pecuária Sudeste
OUT 44	EVALUATION OF QUALITY PARAMETERS OF EXTRA VIRGIN OLIVE OIL USED AS MEDICINE DILUENT BY ANOVA AND TUKEY TEST Ana Cristi Basile Dias; Natalia Soares de Oliveira; Juliana Fernandes de Sousa; Claudete Oliveira; Fernanda Vasconcelos de Almeida UNB
OUT 45	LATERAL FLOW ASSAY INTEGRATED WITH A CRISPR/CAS13A SYSTEM FOR THE DETECTION OF A CIRCULAR RNA BIOMARKER FOR EARLY HEPATOCELLULAR CARCINOMA DIAGNOSIS Bruna M. Hryniewicz; Dagwin Wachholz Junior; Lauro T. Kubota UNICAMP
OUT 46	A BIBLIOMETRIC REVIEW ABOUT THE USE OF SILVER NANOPARTICLES AS ANTIMICROBIAL AGENTS BETWEEN 2014 AND 2023 IN BRAZIL Lauro S. Laurentino; Pamela Christabel Lima Thomas; Ana L. R. de Barros; Cristiane Barata Silva; Giovanna Menezes Iozzi; Lara Martins Catarino; Santos Alves Vicentini Neto; Lísia Maria Gobbo dos Santos FIOCRUZ
OUT 47	PHENYLALANINE-MODIFIED CARBON DOT AS FLUORESCENT PROBE FOR BRODIFACOU M DETERMINATION IN BEVERAGE SAMPLES Camila Gonçalves Rodrigues do Nascimento Barbosa; Nattany Tayany Gomes de Paula; Ana Paula Silveira Paim UFPE
OUT 48	DETERMINATION OF HYDROGEN PEROXIDE USING PEROXIDASE FROM ZUCCHINI AND SMARTPHONE-BASED DIGITAL IMAGE COLORIMETRY Geovanna Morgado da Penha; Emily Amábilé Tavares; Airton Vicente Pereira; Orlando Fatibello Filho UFSCar; UEPG

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OUT 49	SMARTPHONE-BASED DIGITAL IMAGE COLORIMETRY DETERMINATION OF UREA IN MILK USING A 3D-PRINTED IMAGE BOX Emily Amábile Tavares; Geovanna M da Penha; Airton V Pereira; Daniel J A Santos; Orlando Fatibelo-Filho UFSCar; UEPG
OUT 50	DETERMINATION OF THE SAPONIFICATION INDEX OF VEGETABLE OILS: AN EXPERIMENTATION OF THE TEACHING OF ANALYTICAL CHEMISTRY AT THE UNDERGRADUATE LEVEL Rubens Sousa Soares; Dafni Freire Preto Matsumura; Caio Nícolas Magalhães Santos; Gabriel Rodrigues de Negreiros; Rosa Lina Gomes Pereira do Nascimento da Silva UFPI
OUT 51	METHOD DEVELOPMENT FOR DETERMINATION OF METHANOL IN ETHANOL USING A Palygorskite Sensor Cristiane Gimenes de Souza; Ariane Silva Amaral; Lorraine Beatriz de Oliveira Teixeira; Renan de Oliveira Muniz; Luiz Antonio d'Avila; Debora França de Andrade UFRJ
OUT 52	BIOLOGICAL ACTIVITIES AND SYNTHESIS OF INCLUSION COMPLEXES FROM CYCLODEXTRIN AND THE ESSENTIAL OILS OF O. VULGARE AND S. AROMATICUM Pedro Vítor Oliveira Silva Furtado; Antônia Laíres da Silva Santos; Chistiane Mendes Feitosa; Jefferson C. Esteves; Francisco Ivan da Silva; Sâmia D. Braga; João Marcelo de Castro e Sousa UFPI; IFPI; UEPI
OUT 53	A MOLECULAR TEST BASED ON RT-LAMP WITH DUAL DETECTION FOR DIAGNOSTIC OF COVID-19 AND INFLUENZA AT POINT-OF-CARE Leonardo Matos Ferreira; Paola C. Resende; Marilda M. Sirqueira; Gabriela Rodrigues Mendes Duarte UFG; FIOCRUZ
OUT 54	EVALUATION OF THE EFFECT OF PH ON THE INTERACTION OF PROTEIN AND AZO DYE USING SPECTROSCOPIC TECHNIQUES Sabrina Nunes da Silva; Maykol Christian Damasceno de Oliveira; Francisco Eroni Paz dos Santos; Cícero Alves Lopes Júnior UFPI
OUT 55	QUALITY ASSESSMENT OF ANTIMALARIALS DISTRIBUTED IN THE NORTHERN REGION OF BRAZIL: ANALYTICAL MONITORING OF MEDICINES BY HPLC-DAD Soraya de Mendonça Ochs; Mychelle Alves Monteiro; Patrícia Condé de Lima; Sibebe Guimarães; Andre Colonese ; Antenor Alves de Magalhães; Sthefany Libonati Cury; Daniela Silva Santana; Bianca dos Santos de Oliveira; Laís Oliveira dos Santos; Matheus Nicolau de Souza; Jayane Valente Meirelles da Silva; Adressa Nunes Furtado FIOCRUZ
OUT 56	QUALITY ANALYSES OF MEDICINES BY HPLC-DAD FROM THE PARTNERSHIP BETWEEN THE MINISTRY OF HEALTH OF MOZAMBIQUE AND WHO Sibebe Guimarães; Andre Colonese ; Antenor Alves de Magalhães; Mychelle Alves Monteiro; Patrícia Condé de Lima; Sthefany Libonati ; Soraya de Mendonça Ochs; Daniela Silva Santana; Matheus Nicolau de Souza; Bianca dos Santos de Oliveira; Laís Oliveira dos Santos; Adressa Nunes Furtado FIOCRUZ
OUT 57	EVALUATION OF THE VOLATILE PROFILE COMBINATED WITH CHEMOMETRIC ANALYSIS OF CANASTRA CHEESES Bethânia Leite Mansur; Elisângela Jaqueline Magalhães; Luis Roberto Batista; Márcio Pozzobon Pedroso; Fabiana Regina Lima; Márcio Alexandre Leonel Júnior; Thamyres Victória Quaresma Gonçalves; Adelir Aparecida Szack UFLA
OUT 58	DETERMINATION OF SPECTROPHOTOMETRIC PARAMETERS IN THE BIOTRANSFORMATION OF PARACETAMOL BY ENZYMES FROM AGRO-INDUSTRIAL PRODUCTS OF THE AMAZON Antonio Sergio Costa Carvalho; Antonio Eduardo Barbosa Alves



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OUT 59	RAPID COLORIMETRIC MOLECULAR DIAGNOSIS OF INFLUENZA (H1N1) USING GENOMAGNETIC ASSAY Oldair Donizeti Leite; Daniel Júnior Almeida dos Santos; Ana Júlia Madeira Silva; Tássia Regina de Oliveira; Henrique Pott-Junior; Matias Eliseo Melendez; Ester Cerdeira Sabino; Ronaldo Censi Faria UTFPR; UFSCar; INCA; USP
OUT 60	A CHEAPER AND MORE PRECISE MULTI-ELEMENTAL METHOD FOR COCOA USING MULTI-ENERGY CALIBRATION AND MIP OES Thiago Silva Santos; Rafaella Regina Alves Peixoto; Christiane Béatrice Duyck Pinto; Edmilson Arruda dos Santos UFF
OUT 61	IDENTIFICATION AND QUANTIFICATION OF CANNABINOIDS IN CANNABIS PRODUCTS BY ULTRA HIGH PERFORMANCE LIQUID CHROMATOGRAPHY - MASS SPECTROMETRY João Victor Macedo de Almeida; Nayara Araujo dos Santos; Nathália dos Santos Conceição; Marcos Valério Vieira Lyrio; Rafael Scorsatto Ortiz; Wanderson Romão UFES; IFES-Vila Velha; INCT
OUT 62	DETERMINATION OF NITRITE AND NITRATE IN WATER FOR HUMAN CONSUMPTION IN THE MUNICIPALITY OF ITACOATIARA-AM USING METHODOLOGY BASED ON DIGITAL IMAGES Valdomiro Lacerda Martins; Margarida C. de Souza; Mily T. S. de Negreiros; Mateus F. Santos; Eldon C. da S. Colares UFAM
OUT 63	COMBINING ANALYTICAL TECHNIQUES TO INVESTIGATE THE INTERACTION OF THE PROTEIN-ANTIBIOTIC-ARTIFICIAL DYE SYSTEM Kayllane Vitoria Brito Lopes; Maykol Christian Damasceno de Oliveira; Francisco Eroni Paz dos Santos; Cícero Alves Lopes Júnior UFPI