

# Programma Scientifico

9,00 10,00	<b>Registrazione</b>
10,00 10,30	Apertura e saluti del Prof. Luigi Dei, Direttore del Dipartimento di Chimica Ugo Schiff, Università di Firenze.  In Ricordo del Prof. Marco Mascini (Prof. Giuseppe Palleschi, Prof. Aldo Roda, Prof. Giovanna Marrazza)
	<u>Prima sessione. Presiedono: Prof. Aldo Roda, Prof. Giuseppe Palleschi</u>
10,30 11,00	<b>Invited lecture</b> <b>AMBIENT MASS SPECTROMETRY AND ION MOBILITY: NEW APPROACHES IN THE STUDY OF BIOMOLECULES</b> Prof. Gianluca Giorgi <i>Università degli Studi di Siena</i>
11,00 11,30	<b>Invited lecture</b> <b>INNOVATION IN DIAGNOSTICS; CASE STUDY: NEW TECHNIQUES IMPROVING CURRENT APPLICATIONS</b> Dr. Antonio Sanesi <i>Biomerieux Italia</i>
	<u>Seconda sessione. Presiede: Prof. Claudio Baggiani, Dr.ssa Maria Magliulo</u>
11,30 11,45	<b>DETERMINATION OF NEW SYNTHETIC DRUGS IN BIOLOGICAL MATRIX BY HPLC-MS/MS</b> Manuel Sergi <sup>1</sup> , Camilla Montesano <sup>2</sup> , Maria Chiara Simeoni <sup>1</sup> , Gabriele Vannutelli <sup>2</sup> , Rachele Rocchi <sup>2</sup> , Adolfo Gregori <sup>3</sup> , Luigi Ripani <sup>3</sup> , Roberta Curini <sup>2</sup> , Dario Compagnone <sup>1</sup> <sup>1</sup> <i>Faculty of Bioscience and Technology for Food, Agriculture and Environment, University of Teramo</i> <sup>2</sup> <i>Department of Chemistry, Sapienza University of Rome</i> <sup>3</sup> <i>Carabinieri, Department of Scientific Investigation (RIS)</i>
11,45 12,00	<b>PEPTIDOMIC AND BIOACTIVITY STUDY ON THE PEPTIDES ISOLATED IN COMMERCIAL DONKEY MILK</b> Chiara Cavaliere, Francesca Ferraris, Giorgia La Barbera, Susy Piovesana, Antonio Puglisi, Aldo Laganà <i>Dipartimento di Chimica, Università di Roma "La Sapienza"</i>
12,00 12,15	<b>MULTIDRUG RESISTANCE INHIBITORS IN PLASMA SAMPLES: THE POWER OF LC-ENERGY RESOLVED MS/MS METHODS FOR STABILITY INVESTIGATION</b> Marta Menicatti <sup>1</sup> , Luca Guandalini <sup>1</sup> , Silvia Dei <sup>1</sup> , Elisa Floriddia <sup>1</sup> , Elisabetta Teodori <sup>1</sup> , Pietro Traldi <sup>2</sup> and Gianluca Bartolucci <sup>1</sup> <sup>1</sup> <i>NEUROFARBA - Dipartimento di Neuroscienze, Psicologia, Area del Farmaco e Salute del Bambino Sezione Scienze Farmaceutiche e Nutraceutiche, Università di Firenze</i> <sup>2</sup> <i>Istituto di Ricerca Pediatrica Città della Speranza, Padova</i>
12,15 12,30	<b>MODERN TRENDS IN DRUG ANALYSIS: VISUALIZING DESIGN SPACE IN THE QUALITY CONTROL OF PHARMACEUTICALS BY CAPILLARY ELECTROPHORESIS</b> Benedetta Pasquini, Serena Orlandini, Claudia Caprini, Massimo Del Bubba, Massimo Innocenti, Sandra Furlanetto <i>Department of Chemistry "U. Schiff", University of Florence</i>
12,30 13,50	<b>Lunch break + poster session</b>

	<i>Terza Sessione. Presiede: Prof.ssa Danila Moscone</i>
13,50 14,05	<b>ARTIFICIAL ANTIBODIES: WHERE DO WE STAND?</b> Claudio Baggiani, Laura Anfossi, Cristina Giovannoli <i>Dipartimento di Chimica, Università di Torino</i>
14,05 14,20	<b>A NEW SMARTPHONE-BASED CHEMILUMINESCENT LATERAL FLOW IMMUNOSENSOR FORMAT FOR POINT OF CARE TESTING</b> Martina Zangheri <sup>1</sup> , Luca Cevenini <sup>1</sup> , Laura Anfossi <sup>2</sup> , Claudio Baggiani <sup>2</sup> , Patrizia Simoni <sup>3</sup> , Fabio Di Nardo <sup>2</sup> , Aldo Roda <sup>1</sup> <sup>1</sup> <i>Dipartimento di Chimica "Giacomo Ciamician", Alma Mater Studiorum, Università di Bologna</i> <sup>2</sup> <i>Dipartimento di Chimica, Università di Torino</i> <sup>3</sup> <i>Dipartimento di Medicina e Chirurgia, Università di Bologna</i>
14,20 14,35	<b>ORGANIC BIOELECTRONIC SENSORS: COMPARATIVE STUDY OF CRP DETECTION USING DIFFERENT ORGANIC THIN FILM TRANSISTORS CONFIGURATIONS</b> Kyriaki Manoli, Maria Magliulo, Mohammad Yusuf Mulla, Donato De Tullio, Preethi Seshadri, Gerardo Palazzo, Luisa Torsi <i>Dipartimento di Chimica, Università degli studi di Bari Aldo Moro</i>
14,35 14,50	<b>MICRORNA DETECTION BY SPR IMAGING AND PNA PROBES: NANOPARTICLE AND ENZYMATIC AMPLIFICATION METHODS</b> Roberta D'Agata <sup>1</sup> , Alex Manicardi <sup>2</sup> , Alessia Finotti <sup>3</sup> , Roberto Corradini <sup>2</sup> , Roberto Gambari <sup>3</sup> , Giuseppe Spoto <sup>1,4</sup> <sup>1</sup> <i>Department of Chemical Science, University of Catania,</i> <sup>2</sup> <i>Department of Chemical Science, University of Parma,</i> <sup>3</sup> <i>Department of Life Sciences and Biotechnology, University of Ferrara</i> <sup>4</sup> <i>Consortium INBB</i>
14,50 15,05	<b>A DNA NANO PH-METER BASED ON TRIPLEX FORMATION</b> Andrea Idili <sup>1</sup> , Alexis Vallée-Bélisle <sup>2</sup> , Giuseppe Palleschi <sup>1</sup> , Francesco Ricci <sup>1</sup> <sup>1</sup> <i>Dipartimento di Scienze e Tecnologie Chimiche, University of Rome, Tor Vergata</i> <sup>2</sup> <i>Laboratory of Biosensors and Nanomachines, Département de Chimie, Université de Montréal, Canada</i>
15,05 15,20	<b>A NEW IMMUNOSENSOR FOR THE DETERMINATION OF VALPROIC ACID IN SERUM USING FUNCTIONALIZED SILICA NANOPARTICLES DOPED WITH A THERMOCHEMILUMINESCENT 1,2-DIOXETANE DERIVATIVE AS LABEL</b> Massimo Di Fusco <sup>1,2</sup> , Arianna Quintavalla <sup>2</sup> , Marco Lombardo <sup>2</sup> , Massimo Guardigli <sup>2</sup> , Mara Mirasoli <sup>1,2</sup> , Luca Alfio Andronico <sup>2</sup> , Claudio Trombini <sup>2</sup> , Aldo Roda <sup>2</sup> <sup>1</sup> <i>Advanced Applications in Mechanical Engineering and Materials Technology, Interdepartmental Center for Industrial Research, Alma Mater Studiorum, University of Bologna</i> <sup>2</sup> <i>Department of Chemistry "Giacomo Ciamician", Alma Mater Studiorum, University of Bologna</i>
15,20 15,50	<b>Coffee break + poster session</b>
	<i>Quarta sessione. Presiede: Prof.ssa Mara Mirasoli, Dott.ssa Chiara Cavaliere</i>
15,50 16,05	<b>SPECTROPHOTOMETRIC CELL-FREE ASSAYS FOR MEASUREMENT OF THE OXIDATIVE POTENTIAL OF ATMOSPHERIC AESOSOL</b> Maria Chiara Pietrogrande, Marco Visentin <i>Dipartimento di Scienze Chimiche e Farmaceutiche, Università di Ferrara</i>
16,05 16,20	<b>DETERMINATION OF WARFARIN AND WARFARIN ALCOHOLS IN ORAL FLUID AND PLASMA SAMPLES FOR MONITORING PATIENTS UNDERGOING ANTICOAGULANT THERAPY</b> Tommaso Lomonaco <sup>1</sup> , Silvia Ghimenti <sup>1</sup> , Isabella Piga <sup>1</sup> , Denise Biagini <sup>1</sup> , Massimo Onor <sup>2</sup> , Aldo

	<p>Paolicchi<sup>3</sup>, Lucia Ruocco<sup>4</sup>, Giovanni Pellegrini<sup>4</sup>, Maria Giovanna Trivella<sup>5</sup>, Roger Fuoco<sup>1</sup>, Fabio Di Francesco<sup>1,5</sup></p> <p><sup>1</sup> Department of Chemistry and Industrial Chemistry, University of Pisa  <sup>2</sup> Institute of Chemistry of Organometallic Compounds, CNR  <sup>3</sup> Department of Translational Research and New Technologies in Medicine and Surgery, University of Pisa  <sup>4</sup> Chemical-Clinical Analysis Laboratory, AOUP  <sup>5</sup> Institute of Clinical Physiology, CNR</p>
16,20 16,35	<p><b>NEW BIOANALYTICAL APPROACH FOR EARLY DETECTION OF <math>\beta</math>-THALASSEMIA COUPLING TGA AND CHEMOMETRICS</b></p> <p>Roberta Risoluti<sup>1</sup>, Stefano Materazzi<sup>1</sup>, Giuseppina Gullifa<sup>1</sup>, Francesco Sorrentino<sup>2</sup>, Patrizia Caprari<sup>3</sup></p> <p><sup>1</sup> Dept. of Chemistry, "Sapienza" - University of Rome  <sup>2</sup> UOS DH- Thalassemia, S. Eugenio Hospital  <sup>3</sup> Dept. of Hematology, Oncology and Molecular Medicine, Istituto Superiore di Sanità</p>
16,35 16,50	<p><b>DETECTION OF OCHRATOXIN A IN FOOD SAMPLES BY A NOVEL APTAMER BASED SENSOR ASSAY INTEGRATED IN A MICROFLUIDIC CHIP</b></p> <p>F. Costantini<sup>1</sup>, C. Sberna<sup>1</sup>, G. Petrucci<sup>2</sup>, G. de Cesare<sup>2</sup>, C. Manetti<sup>1</sup>, D. Caputo<sup>2</sup> and A.Nascetti<sup>3</sup></p> <p><sup>1</sup> Department of Chemistry, University of Rome "La Sapienza"  <sup>2</sup> D.I.E.T., University of Rome "La Sapienza",  <sup>3</sup> D.I.A.E.E., University of Rome "La Sapienza"</p>
16,50 17,05	<p><b>THERAPEUTIC DRUG MONITORING OF PROTEIN-UNBOUND IMMUNOSUPPRESSANTS BY A NOVEL POCT OPTICAL DEVICE</b></p> <p>Sara Tombelli<sup>1</sup>, Barbara Adinolfi<sup>1</sup>, Simone Berneschi<sup>1</sup>, Romeo Bernini<sup>2</sup>, Chiara Berrettoni<sup>1,3</sup>, Heike Bittersohl<sup>4</sup>, Ambra Giannetti<sup>1</sup>, Peter Bruno Lupp<sup>4</sup>, Mark O'Connell<sup>5</sup>, Cosimo Trono<sup>1</sup>, Francesco Baldini<sup>1</sup></p> <p><sup>1</sup> Istituto di Fisica Applicata Nello Carrara, CNR, Sesto Fiorentino  <sup>2</sup> Institute for Electromagnetic Sensing of the Environment, CNR, Napoli  <sup>2</sup> Dept. Information Engineering and Mathematics, Siena University;  <sup>3</sup> Institute of Clinical Chemistry and Pathobiochemistry, Klinikum rechts der Isar, TU München, Munich, Germany;  <sup>4</sup> Probe Scientific Ltd, Coventry, UK</p>
17,05 17,20	<p><b>ACETAMIPRID DETECTION BY DNA TECHNOLOGY SENSING FOR ENVIRONMENTAL ANALYSIS</b></p> <p>Riccardo Rapini, Giovanna Marrazza  Department of Chemistry "Ugo Schiff", University of Firenze</p>
17,20 17,30	<p><b>Conclusioni e saluti</b></p>

<b>POSTER</b>	<b>Titolo</b>
<b>P1</b>	<p><b>MICROBIOLOGICAL SCREENING TEST FOR VETERINARY DRUGS IN FOOD AND FEED: FEASIBILITY AND RELIABILITY VERIFICATION ANALYSING REAL SAMPLES</b></p> <p>Maria Campaniello, <u>Antonio Armentano</u>, Annalisa Conticelli, Marilena Muscarella  <i>Istituto Zooprofilattico della Puglia e della Basilicata</i></p>
<b>P2</b>	<p><b>TOWARDS THE IDENTIFICATION OF NEUROPROTECTIVE AGENTS. PHARMACOKINETIC EVALUATION AND CNS DISTRIBUTION OF (R)-RC-33, A PROMISING SIGMA1 RECEPTOR AGONIST</b></p> <p><u>Annamaria Marra</u><sup>1</sup>, Daniela Rossi<sup>1</sup>, Giulio Dondio<sup>2</sup>, Chiara Bigogno<sup>2</sup>, Annalisa Canta<sup>3</sup>, Norberto Oggioni<sup>3</sup>, Guido Cavaletti<sup>3</sup>, Daniela Curti<sup>4</sup>, Simona Collina<sup>1</sup></p> <p><sup>1</sup><i>Department of Drug Sciences, University of Pavia,</i>  <sup>2</sup><i>Aphad S.r.l., Via della Resistenza 65, 20090 Buccinasco (Milan-I),</i>  <sup>3</sup><i>Department of Neuroscience and Biomedical Technologies, University of Milan Bicocca,</i>  <sup>4</sup><i>Department of Biology and Biotechnology "L. Spallanzani", University of Pavia</i></p>
<b>P3</b>	<p><b>DEVELOPMENT OF AN ELIME ASSAY AND A REAL-TIME PCR FOR SALMONELLA ENTERICA DETECTION: APPLICATION IN IRRIGATION WATERS</b></p> <p><u>Laura Fabiani</u><sup>1</sup>, Giulia Volpe<sup>1</sup>, Elisabetta Delibato<sup>2</sup>, Eleonora Pucci<sup>2</sup>, Silvia Piermarini<sup>1</sup>, Annamaria D'Angelo<sup>4</sup>, Federico Capuano<sup>3</sup>, Giuseppe Palleschi<sup>1</sup></p> <p><sup>1</sup> <i>Dipartimento di Scienze e Tecnologie Chimiche, Università degli Studi di Roma Tor Vergata</i>  <sup>2</sup><i>Dipartimento di Sanità Pubblica Veterinaria e Sicurezza Alimentare, Istituto Superiore di Sanità,</i>  <sup>3</sup><i>Dipartimento Ispezione Alimenti, Istituto Zooprofilattico Sperimentale del Mezzogiorno,</i>  <sup>4</sup><i>Dipartimento di Ambiente e Connessa Prevenzione Primaria, Istituto Superiore di Sanità</i></p>
<b>P4</b>	<p><b>SCREENING OF MICROCYSTINS AND OKADAIC ACID IN DRINKING, FRESH AND SEA WATER SAMPLES USING AN OPTIMIZED COLORIMETRIC PHOSPHATASE INHIBITION ASSAY</b></p> <p>Konstantinos Petropoulos, Giulia Volpe, <u>Laura Micheli</u>, Danila Moscone, Giuseppe Palleschi</p> <p><i>Dipartimento di Scienze e Tecnologie Chimiche, Università di Roma Tor Vergata</i></p>
<b>P5</b>	<p><b>SMARTPHONE-BASED COLORIMETRIC ASSAY FOR CA125 CANCER BIOMARKER DETECTION</b></p> <p>O. Hosu<sup>1,2</sup>, A. Ravalli<sup>2</sup>, C. Cristea<sup>1</sup>, R. Săndulescu<sup>1</sup>, <u>G. Marrazza</u><sup>2</sup></p> <p><sup>1</sup> <i>Department of Analytical Chemistry, Faculty of Pharmacy, University of Medicine and Pharmacy, Iuliu Hatieganu", Cluj-Napoca, Romania</i>  <sup>2</sup> <i>Department of Chemistry "Ugo Schiff", University of Florence</i></p>
<b>P6</b>	<p><b>MOLECULARLY IMPRINTED MONOLITHS FOR EFFICIENT RECOGNITION OF PROTEINS</b></p> <p>Cinzia Passini, <u>Cristina Giovannoli</u>, Laura Anfossi, Claudio Baggiani</p> <p><i>Dipartimento di Chimica, Università di Torino,</i></p>
<b>P7</b>	<p><b>OCCUPATIONAL EXPOSURE MONITORING TO ACTIVE PHARMACEUTICAL INGREDIENTS: DETERMINATION OF CHEMICAL TRACERS ON MEMBRANE FILTERS BY NIR/PLS METHOD</b></p> <p><u>Jessica Finamore</u><sup>1</sup>, Federico Marini<sup>1</sup>, Remo Bucci<sup>1</sup>, Maria Aurora Fabiano<sup>1</sup>, Stefano Materazzi<sup>1</sup></p> <p><sup>1</sup><i>Department of Chemistry, "Sapienza" University of Roma</i></p>
<b>P8</b>	<p><b>SIMULTANEOUS QUANTIFICATION OF INTACT GLUCOSINOLATES AND ISOTHIOCYANATES BY HPLC-ES-MS/MS IN BRASSICACEAE</b></p>

	<p><b>SEEDS AND FUNCTIONAL FOODS</b>  P. Franco<sup>1</sup>, S. Spinozzi<sup>1</sup>, E. Pagnotta<sup>2</sup>, L. Lazzeri<sup>2</sup>, L. Ugolini<sup>2</sup>, C. Camborata<sup>1</sup>, A. Roda<sup>1</sup>  <sup>1</sup>Department of Chemistry G. Ciamician, University of Bologna,  <sup>2</sup> Council for Agricultural Research and Economic Analysis, Research Centre for Industrial Crops (CRA-CIN), Bologna</p>
P9	<p><b>A VISUAL SEMI-QUANTITATIVE IMMUNOCHROMATOGRAPHIC STRIP TEST IN COMPETITIVE FORMAT</b>  Fabio Di Nardo<sup>1</sup>, Laura Anfossi<sup>1</sup>, Cristina Giovannoli<sup>1</sup>, Cinzia Passini<sup>1</sup>, Claudio Baggiani<sup>1</sup>  <sup>1</sup> Dipartimento di Chimica, Università degli Studi di Torino</p>
P10	<p><b>SENSITIVE THERMOCHEMILUMINESCENT-BASED IMMUNOSENSOR USING NEW 1,2-DIOXETANE ANALOGUES AS LABELS</b>  Luca Alfio Andronico<sup>1</sup>, Massimo Di Fusco<sup>1,2</sup>, Arianna Quintavalla<sup>1</sup>, Marco Lombardo<sup>1</sup>, Massimo Guardigli<sup>1</sup>, Mara Mirasoli<sup>1,2</sup>, Claudio Trombini<sup>1</sup>, Aldo Roda<sup>1</sup>  <sup>1</sup>Department of Chemistry "G. Ciamician", Alma Mater Studiorum, University of Bologna,  <sup>2</sup>CIRI-MAM, Alma Mater Studiorum, University of Bologna,</p>
P11	<p><b>DEVELOPMENT OF AN AFFINITY SENSOR FOR ORGANIC CONTAMINANTS DETECTION IN FOOD</b>  Sara Romanelli<sup>1,2</sup>, Francesca Bettazzi<sup>2</sup>, Tania Martellini<sup>2</sup>, Alessandra Cincinelli<sup>2</sup>, Roberta Galarini<sup>1</sup>, Ilaria Palchetti<sup>2</sup>  <sup>1</sup>Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche, Via G. Salvemini 1, 06126 Perugia, Italy;  <sup>2</sup>Dipartimento di Chimica "Ugo Schiff", Università degli Studi di Firenze</p>
P12	<p><b>NOVEL APPROACHES FOR ALZHEIMER'S DISEASE BIOMOLECULAR DIAGNOSIS</b>  Samuele Lisi<sup>1,2</sup>, Simona Scarano<sup>1</sup>, Corinne Ravelet<sup>2</sup>, Eric Peyrin<sup>2</sup>, Maria Minunni*<sup>1</sup>  <sup>1</sup>Dipartimento di Chimica "Ugo Schiff", Università di Firenze,  <sup>2</sup>Département de pharmacochimie moléculaire, Université Grenoble Alpes, France</p>
P13	<p><b>GREEN COFFEE BEAN EXTRACTS AS POTENTIAL NEUROPROTECTIVE AND CHEMOPROTECTIVE DIETARY SUPPLEMENTS: A MOLECULAR POINT OF VIEW</b>  Alessandro Palmioli<sup>1</sup>, Carlotta Ciaramelli<sup>1</sup>, Milda Stuknyte<sup>2</sup>, Laura Colombo,<sup>3</sup> Ada De Luigi,<sup>3</sup> Michela Spinelli<sup>1</sup>, Elena Sacco<sup>1</sup>, Ilaria Bruni<sup>1</sup>, Maria-Elena Regonesi<sup>1</sup>, Ivano De Noni<sup>2</sup>, Massimo Labra<sup>1</sup>, Cristina Airoidi<sup>1</sup>  <sup>1</sup> Dipartimento di Biotecnologie e Bioscienze, Università degli studi di Milano-Bicocca,  <sup>2</sup> Dipartimento di Scienze per gli Alimenti, la Nutrizione e l'Ambiente, Università degli studi di Milano,  <sup>3</sup> Dipartimento di Biochimica e Farmacologia Molecolare, Istituto di Ricerche Farmacologiche Mario Negri, Milano</p>
P14	<p><b>NATURAL COMPOUNDS AGAINST ALZHEIMER'S DISEASE: EFFECTS OF HOP EXTRACTS ON A<math>\beta</math> PEPTIDE INDUCED TOXICITY ON NEURONAL CELL LINES</b>  Valeria Mazzoni,<sup>1</sup> Alessandro Palmioli,<sup>1</sup> Carlotta Ciaramelli,<sup>1</sup> Laura Colombo,<sup>2</sup> Ada De Luigi,<sup>2</sup> Cristina Airoidi<sup>1</sup>  <sup>1</sup> Dipartimento di Biotecnologie e Bioscienze, Università degli studi di Milano-Bicocca,  <sup>2</sup> Dipartimento di Biochimica e Farmacologia Molecolare, Istituto di Ricerche Farmacologiche Mario Negri, Milano</p>
P15	<p><b>APTAMER-BASED OPTICAL SENSOR FOR THE DETECTION OF SAXITOXIN IN MARINE WATER</b>  Marianna Rossetti<sup>1</sup>, Alessandro Porchetta<sup>1</sup>, Francesco Ricci<sup>1</sup>, Giuseppe Palleschi<sup>1</sup>  <sup>1</sup> Dipartimento di Scienze e Tecnologie Chimiche, Università di Roma Tor Vergata</p>

<p><b>P16</b></p>	<p><b>MICROEXTRACTION ON PACKED SORBENT (MEPS) FOR THE DETERMINATION OF PESTICIDES IN WHEAT FLOUR BY HPLC-MS/MS</b>  Manuel Sergi<sup>1</sup>, Francesca Di Ottavio<sup>1</sup>, Camilla Montesano<sup>2</sup>, Rossana Scarpone<sup>3</sup>, Roberta Curini<sup>2</sup>, Dario Compagnone<sup>1</sup>  <sup>1</sup><i>Faculty of Bioscience and Technology for Food, Agriculture and Environment, University of Teramo</i>  <sup>2</sup><i>Department of Chemistry, Sapienza University of Rome,</i>  <sup>3</sup><i>Istituto Zooprofilattico Dell'Abruzzo e del Molise</i></p>
<p><b>P17</b></p>	<p><b>SELECTIVE SOLID PHASE EXTRACTION OF SYNTHETIC CANNABINOIDS BY USING COMPUTATIONALLY DESIGNED PEPTIDES</b>  Marcello Mascini<sup>1</sup>, Manuel Sergi<sup>1</sup>, Camilla Montesano<sup>2</sup>, German Perez<sup>3</sup>, Roberta Curini<sup>2</sup>, Dario Compagnone<sup>1</sup>  <sup>1</sup><i>Faculty of Bioscience and Technology for Food, Agriculture and Environment, University of Teramo</i>  <sup>2</sup><i>Department of Chemistry, Sapienza University of Rome</i>  <sup>3</sup><i>Laboratory of Computational and Theoretical Chemistry, Faculty of Chemistry, University of Havana</i></p>
<p><b>P18</b></p>	<p><b>CARBON BLACK-CHITOSAN FILM FOR SCREEN PRINTED ELECTRODE AS NOVEL PLATFORMS FOR BIOSENSORS</b>  Daria Talarico<sup>1</sup>, Aziz Amine<sup>3</sup>, Fabiana Arduini<sup>1,2</sup>, Danila Moscone<sup>1,2</sup>, Giuseppe Palleschi<sup>1,2</sup>  <sup>1</sup><i>Dipartimento di Scienze e Tecnologie Chimiche, Università di Roma Tor Vergata,</i>  <sup>2</sup><i>Consorzio Interuniversitario Biostrutture e Biosistemi "INBB",</i>  <sup>3</sup><i>Université Hassan II-Mohammedia, Faculté de Sciences et Techniques Laboratoire Génie des Procédés et Environnement, Mohammadia, Morocco</i></p>
<p><b>P19</b></p>	<p><b>MAGNETIC BEADS-BASED ELECTROCHEMICAL IMMUNOASSAY FOR SCREENING OF CELIAC DISEASE IN SALIVA</b>  Gianluca Adornetto, Laura Fabiani, Giulia Volpe, Danila Moscone  Dipartimento di Scienze e Tecnologie Chimiche, Università di Roma Tor Vergata,</p>
<p><b>P20</b></p>	<p><b>DIRECT-EI-UPLC-MS: A NEW TOOL FOR THE ANALYSIS OF STEROLS IN PHARMACEUTICALS AND COMPLEX MATRICES</b>  Cappiello Achille<sup>1</sup>, Termopoli Veronica<sup>1</sup>, Famigliani Giorgio<sup>1</sup>, Palma Pierangela<sup>1</sup>, Spinozzi Silvia<sup>2</sup>, Franco Placido<sup>2</sup>, Camborata Cecilia<sup>2</sup>, Roda Aldo<sup>2</sup>  <sup>1</sup><i>LC-MS Laboratory, DiSTeVA, University of Urbino,</i>  <sup>2</sup><i>Department of Chemistry "G. Ciamician", University of Bologna</i></p>
<p><b>P21</b></p>	<p><b>HOMOGENOUS FLUOROIMMUNOASSAYS BASED ON THE QUENCHING OF QUANTUM DOTS FLUORESCENCE BY GRAPHENE</b>  Laura Anfossi<sup>1</sup>, Cristina Giovannoli<sup>1</sup>, Fabio Di Nardo<sup>1</sup>, Paola Calza<sup>1</sup>, Marco Sarro<sup>1</sup>, Fabrizio Sordello<sup>1</sup>, Marta Cerruti<sup>2</sup>, Irina Goryacheva, Elena Speranskaja<sup>3</sup>, Claudio Baggiani<sup>1</sup>  <sup>1</sup><i>Dipartimento di Chimica, Università di Torino,</i>  <sup>2</sup><i>Materials Engineering, McGill University, 3610 University St., Montreal, Canada</i>  <sup>3</sup><i>Department of General and Inorganic Chemistry, Chemistry Institute, Saratov State University, Russia</i></p>
<p><b>P22</b></p>	<p><b>INFLUENCE OF THE SAMPLING PROCEDURE ON THE MEASURED CONCENTRATION OF URIC ACID IN ORAL FLUID</b>  Silvia Ghimenti<sup>1</sup>, Tommaso Lomonaco<sup>1</sup>, Francesca Bellagambi<sup>1</sup>, Massimo Onor<sup>2</sup>, Maria Giovanna Trivella<sup>3</sup>, Roger Fuoco<sup>1</sup>, Fabio Di Francesco<sup>1,3</sup>  <sup>1</sup><i>Department of Chemistry and Industrial Chemistry, University of Pisa,</i>  <sup>2</sup><i>Institute of Chemistry of Organometallic Compounds, CNR,</i>  <sup>3</sup><i>Institute of Clinical Physiology, CNR</i></p>

