



9th CHEMISTRY CONFERENCE

Plovdiv

14-16 October 2011

<http://9cc.argon.uni-plovdiv.bg/>



WORKSHOP "Trace Components Analysis in Foods"

A G E N D A

Thursday 13 October 2011

Arrival of the foreign participants:

Meeting point at Sofia Airport, transport to Plovdiv and accommodation in the hotels

Friday 14 October 2011

6th AUDITORIUM, Rectorate building of the University of Plovdiv

09:00 – 16:00	Exhibition of the 9CC sponsors – advertising materials will be provided
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MORNING SESSION

09:00 – 13:30	Registration of the participants in 9CC and BioSupport Workshop
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10:00 – 11:30	<p>Assoc. Prof. Iliyan Ivanov- Dean of the Faculty of Chemistry Conference opening</p> <p>Assoc. Prof. Zapryan Kozludzhov Rector of the University of Plovdiv "Paisii Hilendarski" Ceremony for awarding Prof. Antonio Canals with the honorary degree of "Doctor Honoris Causa" of University of Plovdiv</p>
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11:30 – 11:45	Prof. Ivan Minkov – BioSupport project Coordinator
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12:00 – 13:00	<i>Official cocktail</i>
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AFTERNOON SESSION

Chairmen Assoc. Prof. V. Kmetov	
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PLENARY LECTURES - FIRST BLOCK

14:00 – 14:30	L1	<p>Prof. Antonio Canals – <i>University of Alicante</i> Green analytical methodologies: advances in liquid-liquid microextraction and detection methods</p>
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14:30 – 15:00	L2	<p>Prof. Mark Moloney – <i>University of Oxford</i> Oxazolomycins and equisetins: natural product lead structures for novel antibiotics</p>
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Coffee Break	
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15:30 – 16:00	L3	Prof. Kurt Varmuza – <i>Vienna University of Technology</i> <i>Evaluation of empirical models in chemistry</i>
16:00 – 16:30	L4	Prof. Tsonko Kolev – <i>University of Plovdiv</i> <i>New structural motifs of squaric acid derivatives of amino acids, amino acid amides and diamides</i>
20:00	9CC Dinner	

Saturday 15 October 2011

MORNING SESSION		
<i>Building of the Union of Scientist in Bulgaria - Plovdiv, 6 Mitropolit Paissii Str.</i>		
10:00 – 12:30	POSTER SESSION and Exhibition of the 9CC sponsors – advertising materials will be provided	
AFTERNOON SESSION		
<i>Conference Room , Rectorate building of the University of Plovdiv</i>		
Chairmen Assoc. Prof. V. Stefanova	PLENARY LECTURES - SECOND BLOCK	
13:30 – 13:45	Assoc. Prof. V. Kmetov – <i>University of Plovdiv</i> <i>Session opening, Presentation of the Food and Bioproducts Analysis Group in the BioSupport</i>	
13:45 – 14:00	Iliana Vatova – Manager Analytical Center KOMICHRIS	
14:00 – 14:30	L5	Prof. Erwin Rosenberg – <i>Vienna University of Technology</i> <i>Taking chromatography to higher dimensions</i>
14:30 – 15:00	L6	Dr. Christoph Puls – <i>Vienna University of Technology</i> <i>Bioavailability of anthropogenic platinum group emissions</i>
Coffee Break		
15:30 – 16:00	L7	Dr. Lorena Vidal – <i>University of Helsinki</i> <i>Imidazolium ionic liquid-functionalized silica as sorbent for solid-phase extraction of organic acids, amines and aldehydes</i>
16:00 – 16:30	L8	Dr. Dimitar Hristozov – <i>U.S. Food and Drug Administration</i> <i>Developing and institutional knowledge-base at U.S. FDA's center for food safety and applied nutrition</i>

Sunday 16 October 2011

Dep. of Analytical Chemistry and Computer Chemistry, University of Plovdiv

10:00 – 12:00	<i>Round table of the BioSupport partners</i>
12:00	<i>Closing of 9CC and BioSupport Workshop</i>
	<i>Departure of the foreign participants – transport to Sofia Airport</i>

Accepted posters		
N	Authors	Title
P-1	<i>M. Fabián, A. Kremenovic, B. Antic, N. Kostova, S. Suzuki, V. Šepelák</i>	MECHANOCHEMISTRY IN THE PREPARATION OF NANOCRYSTALLINE OXIDES
P-2	<i>G. Toncheva, K. Gavazov, V. Lekova, K. Stojnova, A. Dimitrov</i>	TERNARY ION-ASSOCIATION COMPLEXES BETWEEN THE INDIUM(III) – 4-(2-PYRIDYLAZO)RESORCINOL ANIONIC CHELATE AND SOME TETRAZOLIUM CATIONS
P-3	<i>K. Stojnova, K. Gavazov, G. Toncheva, V. Lekova, A. Dimitrov</i>	COMPLEX FORMATION IN A LIQUID-LIQUID EXTRACTION SYSTEM CONTAINING GALLIUM(III),4-(2-PYRIDYLAZO)RESORCINOL AND 2,3,5-TRIPHENYL-2H-TETRAZOLIUM CHLORIDE
P-4	<i>D. Ilieva, P. Marinova, A. Ahmedova, M. Mitewa, N. Stoyanov, M. Marinov</i>	NEW METAL COMPLEXES OF THE 2-CINNAMOYL-1,3-INDANDIONE
P-5	<i>I.P. Román, D. Maneva, V. Stefanova, V. Kmetov, A. Chisvert, A. Canals</i>	DEVELOPMENT OF AN ULTRASOUND-ASSISTED LIQUID-LIQUID MICROEXTRACTION PROCEDURE FOR STEROID SEX HORMONES BEFORE LIQUID CHROMATOGRAPHIC ANALYSIS
P-6	<i>L. Georgieva, I.P. Román, V. Stefanova, V. Kmetov, A. Canals</i>	VORTEX OR ULTRASOUND ASSISTED IN-SITU DERIVATIZATION AND LIQUID-LIQUID MICROEXTRACTION OF ORGANOTIN COMPOUNDS, FOLLOWED BY GCMS ANALYSIS
P-7	<i>M.A. Aguirre, F. Almodóvar, M. Hidalgo, A. Canals</i>	TRACE ELEMENTAL ANALYSIS BY LIQUID-LIQUID MICROEXTRACTION – LASER-INDUCED BREAKDOWN SPECTROMETRY
P-8	<i>N. Kovachev, M.A. Aguirre, M. Hidalgo, K. Simitchiev, V. Stefanova, V. Kmetov, A. Canals</i>	ELEMENTAL SPECIATION BY CAPILLARY ELECTROPHORESIS WITH INDUCTIVELY COUPLED PLASMA SPECTROMETRY: ENHANCEMENT BY FLOW FOCUSING [®] NEBULIZATION
P-9	<i>D. Georgieva, V. Stefanova, V. Kmetov, I. Román, N. Kovachev, A. Canals</i>	APPLICATION OF BARE AND SILICA-COATED MnFe ₂ O ₄ MAGNETIC NANOPARTICLES AS A SORBENT FOR SOLID PHASE EXTRACTION AND ICP-OES TRACE ELEMENTS DETERMINATION
P-10	<i>L. Popov, V. Stefanova</i>	SYNTHESIS AND APPLICABILITY OF GOLD NANOPARTICLES AS SORBENTS FOR TRACE ELEMENTS SOLID PHASE EXTRACTION COMBINED WITH ICP-MS ANALYSIS
P-11	<i>E. Varbanova, V. Stefanova, D. Georgieva, Kr. Ivanov, S. Petrova, L. Yurukova</i>	SIMULTANEOUS DETERMINATION OF P, S, K, OTHER ESSENTIAL AND TRACE ELEMENTS IN PLANT AND SOIL SAMPLES BY ICP-MS

P-12	<i>P. Shegunova , K. Simitchiev , V. Stefanova, V. Kmetov , E. Rosenberg, A. Canals</i>	APPLICATION OF CLOUD POINT EXTRACTION FOR COMPLEX INVESTIGATION OF ORGANIC POLLUTANTS AND TRACE ELEMENTS IN CANNED FISH
P-13	<i>C. Cortada, L. Vidal, A. Canals</i>	DETERMINATION OF EXPLOSIVES IN WATER SAMPLES BY ULTRASOUND-ASSISTED DISPERSIVE LIQUID-LIQUID MICROEXTRACTION FOLLOWED BY GAS CHROMATOGRAPHY MASS SPECTROMETRY
P-14	<i>I. Dakova, C. Petrova, I. Karadjova, G. Georgiev</i>	Cu(II)-IMPRINTED COPOLYMER GELS FOR SELECTIVE SEPARATION OF COPPER IONS FROM ENVIRONMENTAL SAMPLES
P-15	<i>T. Yordanova, I. Dakova, I. Karadjova</i>	NEW SORBENTS FOR MERCURY SPECIATION
P-16	<i>L. Chepanova, I. Karadjova</i>	ICP-MS and ETAAS/CVAAS/HGAAS in the determination of As, Cd, Hg, Pb and Se in fish tissue solubilizat/slurry
P-17	<i>R. Milina, Z. Mustafa</i>	INVESTIGATIONS OF FAME COMPOSITIONS IN BIODIESEL FUELS BY GAS CHROMATOGRAPHY
P-18	<i>M. Docheva, S. Dagnon</i>	APPLICATION OF CLASSICAL METHODS FOR ISOLATION OF RUTIN FROM ORIENTAL TOBACCOS
P-19	<i>Y. Uzunova, L. Lukanov, P. Vasileva, I. Filipov</i>	SPECTROSCOPIC, CHROMATOGRAPHIC AND MORPHOLOGICAL STUDY OF PHOTOPOLYMERIZED DENTAL COMPOSITES
P-20	<i>S. Dimitrova, K. Pavlova, L. Lukanov</i>	EXTRACTION OF ISOPRENOIDS FROM PSYCHROPHILIC YEASTS BIOMASS
P-21	<i>I. Kozanova, Z. Rankova, D. Bozhilov, S. Nikolova, I. Ivanov</i>	DETERMINATION OF HERBICIDE FLUMIOXAZINE IN CHERRIES USING HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY
P-22	<i>N. Petkova, M. Savatinova, B. Vitanova, P. Denev</i>	SPECTROPHOTOMETRIC METHOD FOR DETERMINATION OF FRUCTANS IN FOOD PRODUCTS
P-23	<i>D. Kostova, D. Haytova</i>	RELATIONSHIP BETWEEN MOLYBDENUM AND NITRATE NITROGEN IN PLANTS AND THEIR YIELD
P-24	<i>D. Kostova, D. Haytova, D. Mehandjiev</i>	INFLUENCE OF MANGANESE UPON THE CONTENT OF CARBOHYDRATES IN THE FRUIT OF MARROWS AND THEIR YIELD
P-25	<i>M. Moskovkina, L. Naneva, I. Bangov</i>	GAS CHROMATOGRAPHIC RETENTION MODELING BY QSRR APPROACH FOR SATURATED ESTERS SEPARATED UPON STATIONARY PHASES WITH DIFFERENT POLARITIES

P-26	<i>N. Kochev, V. Paskaleva, N. Jeliazkova</i>	AUTOMATIC GENERATION OF TAUTOMERS
P-27	<i>V. B. Delchev, P. B. Kancheva</i>	EXCITED-STATE REACTION PATHS OF CYTOSINE AND ISOCYTOSINE: C=O ELONGATION
P-28	<i>P.N. Penchev, Ts.I. Krusteva</i>	SEARCH IN RAMAN SPECTRAL LIBRARIES OF ORGANIC COMPOUNDS
P-29	<i>D. D. Enchev</i>	PHOSPHORYLATED ALLENES – SUITABLE PRECURSORS IN ORGANIC SYNTHESSES
P-30	<i>S. Ivanova</i>	THE NUCLEOPHILIC SUBSTITUTION REACTION OF SULFINIC ACIDS WITH HALONITROALKANES
P-31	<i>R. Bakalska, M. Todorova, T. Kolev</i>	OPTIMIZATION OF THE OPTICAL AND NLO PROPERTIES OF NEW MEROCYANINE DYE E- 4(2-HYDROXYNAPHTHALEN-1-YL)VINYL)-1- METHYL-QUINOLINIUM IODIDE AND ITS DEPROTONATED FORM
P-32	<i>M. Todorova, R. Bakalska, T. Kolev</i>	SPECTRAL AND STRUCTURAL ELUCIDATION OF 4-{{(E)-2-[4-(DIMETHYLAMINO)NAPHTHALEN- 1-YL]ETHENYL}-1-METHYLQUINOLINIUM IODIDE MONOHYDRATE
P-33	<i>A. Kolev, E. Balbolov</i>	SELECTIVE ACETOXYLATION OF CYCLODODECENE BY DIOXYGEN CATALYZED BY PALLADIUM(II) ACETATE, HYDROQUINONE AND IRON(II) PHTALOCYANINE
P-34	<i>M. Staykova, S. Statkova- Abeghe, S. Kostadinova, M. Marhova, V. Stoyanova</i>	SYNTHESIS AND ANTIBACTERIAL EVALUATIONS OF SOME NOVEL DERIVATIVES OF BENZIMIDAZOLE
P-35	<i>I. Ivanov, S. Manolov, S. Nikolova</i>	APPLICATION OF THE BISCHLER-NAPIERALSKI REACTION FOR THE SYNTHESIS OF 1-BIPHENYL-1,2,3,4- TETRAHYDROISOQUINOLINES
P-36	<i>A. Slavova-Kasakova, D. Fabbri, S. Angelova, M. A. Dettori, G. Delogu, V. Kancheva</i>	KINETICS OF LIPID OXIDATION IN PRESENCE OF SOME NEW BIOLOGICALLY ACTIVE COMPOUNDS - INDIVIDUAL AND IN MIXTURES WITHALPHA-TOCOPHEROL
P-37	<i>A. Slavova-Kasakova, J. Nechev, D. Fabbri, M. A. Dettori, S. Angelova, G. Delogu, V. Kancheva</i>	RADICAL SCAVENGING ACTIVITY OF SOME NEW BIPHENYLIC COMPOUNDS AND THEIR CORRESPONDING MONOMERS
P-38	<i>N.G. Kostova, Al. Eliyas, M. Fabian, M. Shopska, B. Kunev, N. Velinov, P. Baláž</i>	MULTIFUNCTIONAL MECHANOCHEMICALLY SYNTHESIZED α -Fe ₂ O ₃ -ZnO MIXED OXIDES

P-39	<i>Al. Eliyas, M. Achimovičová, N.G. Kostova, M. Fabián, P. Baláž</i>	PHOTOCATALYTIC TESTING OF MECHANOCHEMICALLY-SYNTHESIZED CADMIUM SELENIDE
P-40	<i>T. Tabakova, D. Dimitrov, K. Ivanov, V. Idakiev</i>	ROLE OF PREPARATION METHOD ON CATALYTIC ACTIVITY OF Ag/CeO ₂ FOR OXIDATION OF CO, CH ₃ OH AND (CH ₃) ₂ O
P-41	<i>I. Stambolova, V. Blaskov, M. Shipochka, S. Vassilev, A. Loukanov</i>	PHOTOCATALYTIC ACTIVITY OF SPRAYED TiO ₂ FILMS DEPOSITED ON DIFFERENT SUBSTRATES
P-42	<i>V. Blaskov, I. Stambolova, M. Shipochka, S. Vassilev, A. Loukanov</i>	DECOLORIZATION OF REACTIVE BLACK 5 DYE ON TiO ₂ HYBRID FILMS DEPOSITED BY SOL GEL METHOD
P-43	<i>I. Slavova, St. Christoskova, B. Spasova, M. Stoyanova</i>	REMOVAL OF CATIONIC DYES FROM AQUEOUS SOLUTIONS BY ADSORPTION ONTO BENTONITE AND USED COFFEE GROUNDS: EQUILIBRIUM AND KINETIC STUDIES
P-44	<i>N. Milcheva, M.-C. Record, P. Broz, G. Vassilev</i>	TERMOCHEMICAL AND KINETIC PROPERTIES OF BI-NI-SN SYSTEM
P-45	<i>J. Miettinen, P. Docheva, V. Gandova, G. Vassilev</i>	THERMODYNAMIC DESCRIPTIONS OF Cu-Pb-X SYSTEMS
P-46	<i>J. Miettinen, G. Vassilev</i>	THERMODYNAMIC DESCRIPTION OF THE Cu-Mg-Sn SYSTEM AT THE Cu-Mg SIDE
P-47	<i>G. Hodjaoglu, I. Ivanov</i>	GALVANOSTATIC ELECTROEXTRACTION OF Cu IN THE PRESENCE OF Zn OR Fe IONS
P-48	<i>C. Nanev, F. Hodzhaoglu, I. Dimitrov</i>	KINETICS OF INSULIN CRYSTAL NUCLEATION, ENERGY BARRIER AND NUCLEUS SIZE
P-49	<i>I. Dimitrov, F. Hodzhaoglu, Chr. Nanev</i>	INVESTIGATION OF INSULIN CRYSTALLIZATION AND DISSOLUTION OF CRYSTALS IN PHYSIOLOGICALLY MIMICKED ENVIRONMENT
P-50	<i>Y. Stefanov, I. Valchanova, T. Dobrev</i>	BLOCKING OF THE HARMFUL EFFECT OF BISMUTH IONS DURING THE ELECTROEXTRACTION OF ZINC FROM SULPHATE ELECTROLYTES
P-51	<i>E. Horozova, D. Georgieva, T. Dodevska, N. Dimcheva</i>	ELECTROCHEMISTRY OF MYOGLOBIN SELF-ASSEMBLED ON GOLD-PLATED GRAPHITE
P-52	<i>V. Serbezov, N. Reifart</i>	ULTRAFAST SYNTHESIS OF TITANIUM OXIDE THIN FILMS BY PULSED FIBER LASER ABLATION
P-53	<i>V. Serbezov, N. Reifart</i>	MORPHOLOGY AND COMPOSITION OF MAGNESIUM OXIDE THIN FILMS DEPOSITED BY NANOSECOND FIBER LASER ABLATION

P-54	<i>A.B. Peltekov, B.S.Boyanov</i>	SYNTHESIS OF FERRITES FROM THE SYSTEM MeO – Fe ₂ O ₃ AND STUDY THEIR SOLUBILITY IN SULFURIC ACID SOLUTIONS AFTER PRELIMINARY TREATMENT
P-55	<i>G. Patronov, D. Tonchev</i>	RECOVERY OPTIONS WASTE TONER AND CARTRIDGES
P-56	<i>A. Kolev, Y. Koleva</i>	RISK ASSESSMENT OF CYCLODODEC-2-EN- 1-YL ETHERS
P-57	<i>R. Dinkova, M. Georgieva, K. Vasilev, K. Mihalev, N. Yoncheva, H. Dinkov</i>	ANTIOXIDANT CAPACITY OF BILBERRY FRUITS
P-58	<i>O. Teneva, M. Zlatanov, N. Dimcheva</i>	STABILIZATION OF FLAXSEED OIL
P-59	<i>M. Angelova-Romova, M. Zlatanov, G. Antova, O. Teneva</i>	COMPOSITION OF CYPRESS SEEDS OIL
P-60	<i>M. Stancheva, D. Dobрева, A. Merdzhanova</i>	SEASONAL CHANGES ON VITAMINS AND FATTY ACIDS COMPOSITION OF BIGHEAD CARP FILLETS
P-61	<i>S. Georgieva, M. Stancheva, L. Makedonski</i>	ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS IN FRESHWATER FISH
P-62	<i>S. Sotirov, V. Serbezov, H. Bekir, N. Reifart</i>	RAPID GROWTH DIAMOND-LIKE-CARBON FILMS BY YTTERBIUM NANOSECOND FIBER LASER