

**Academy of Sciences of Moldova
Section of Natural and Life Sciences of the ASM
Institute of Chemistry
Institute of Applied Physics
State University of Moldova
The Chemical Society of the Republic of Moldova**

PROGRAM

**of the International Conference
dedicated to the 50th anniversary from the foundation
of the Institute of Chemistry of the Academy of Sciences of
Moldova**

**May 26-28, 2009
Chisinau, MOLDOVA**

International Advisory Board

Gheorghe Duca (Moldova) - Chairman
Ionel Haiduc (Romania) - Co-Chairman
Sergey Aldoshin (Russia)
Marius Andruh (Romania)
Vladimir Arion (Austria)
Jerry Atwood (USA)
Sergey Andronati (Ukraine)
Juan Bartolome (Spain)
Mufit Bahadir (Germany)
Isaak Bersuker (USA)
Ivano Bertini (Italy)
Yurii Bubnov (Russia)
Liviu Chibotaru (Belgium)
Calin Deleanu (Romania)
Igor Eremenko (Russia)
Vladimir Fedin (Russia)
George Filoti (Romania)
Vladislav Goncharuk (Ukraine)
Nikolay Kartel (Ukraine)
Murat Zhurinov (Kazakhstan)

Gherbert Kamalov (Ukraine)
Nicolae Krutiko (Belarus)
Vladimir Khripach (Belarus)
Fedor Lakhvich (Belarus)
Janusz Lipkowski (Poland)
Dominique Luneau (France)
Zaharescu Maria (Romania)
Matei Macoveanu (Romania)
Aurelia Meghea (Romania)
Ionel Mangalagiu (Romania)
Margareta Nicolau (Romania)
Galina Petukhova (Russia)
Annie Powell (Germany)
Sorin Rosca (Romania)
Bogdan Simionescu (Romania)
Aslan Tsivadze (Russia)
Boris Tsukerblat (Israel)
Mike Zaworotko (USA)
Richard Winpenny (UK)
Herbert Boecheltz (Austria)

Local Organizing Committee

Pavel Vlad - Chairman
Constantin Turtă - Co- Chairman
Tudor Lupascu - Co- Chairman
Vadim Druță – Secretary
Denis Prodius – Secretary
Teodor Furdui
Aculina Arîcu
Ion Bulhac
Leonid Culiuc
Alexandru Dicusar

Ion Geru
Viorica Gladchi
Aurelian Gulea
Fliur Macaev
Ivan Ogurțov
Mihail Revenco
Yurii Simonov
Mihail Ciobanu
Igor Povar
Maria Gonta

TIMETABLE OF THE CONFERENCE

Monday, May 25

12.00 *Arrivals, registration (at the Institute of Chemistry)*
18.00 *Welcome Party*

Tuesday, May 26

9.00 – 9.20 *Opening Ceremony*
9.20 – 10.50 *Plenary Lectures (PL 01-PL 03)*
10.50 – 11.10 *Coffee Break*
11.10 – 13.10 *Plenary Lectures (PL 04-PL 07)*
13.10 – 14.30 *Lunch Break*
14.30 – 16.30 *Working in sections. Oral Presentations*

Section I. Inorganic chemistry (OP 01 - OP 08).
Section II. Organic and Bioorganic chemistry (OP 14 – OP 20).
Section III. Analytical, Physical and Ecological chemistry (OP 22 – OP 29).

16.30 – 17.00 *Coffee Break*
17.00 – 18.30 *Working in sections. Oral Presentations*

Section I. Inorganic chemistry (OP 09 - OP 13).
Section III. Analytical, Physical and Ecological chemistry (OP 30 – OP 33).

18.30 – 19.30 *Working in sections. Poster Presentations*

Section I. Poster Presentations (PP 001 – PP 062)
Section II. Poster Presentations (PP 63 – PP 108).

Wednesday, May 27

9.00 – 10.30 *Plenary Lectures (PL 08-PL 10)*
10.30 – 10.50 *Coffee Break*
10.50 – 12.20 *Plenary Lectures (PL 11-PL 14)*
12.30 – 14.00 *Lunch Break*
14.00 – 20.00 *Excursion*

Thursday, May 28

9.00 – 10.30 *Plenary Lectures (PL 15 - PL 17)*
10.30 – 10.50 *Coffee Break*
10.50 – 12.50 *Plenary Lectures (PL 18 – PL 20, OP 21)*
13.00 – 14.30 *Lunch Break*
14.30 – 16.30 *Section III. Poster Presentations (PP 109 – PP175).*
16.00 *Closing ceremony*
18.00 *Conference dinner*

LIST OF CONTRIBUTIONS

Tuesday, May 26

9.20 – 10.50	PLENARY LECTURES
---------------------	-------------------------

Co-Chairmen: Gheorghe DUCA, Janusz LIPKOWSKI

- PL 01** Pavel VLAD *9.20 – 9.50*
THE ACHIEVEMENTS OF THE INSTITUTE OF CHEMISTRY OF THE ASM AT 50th YEARS CELEBRATION
- PL 02** Constantin TURTA *9.50 – 10.20*
COORDINATION CHEMISTRY AT THE INSTITUTE OF CHEMISTRY. AT THE SOURCE AND DEVELOPMENT
- PL 03** Isaac B. BERSUKER *10.20 – 10.50*
THE JAHN-TELLER EFFECT AS A GENERAL TOOL FOR PROBLEM SOLVING. APPLICATION TO SINGLE-MOLECULE STRUCTURAL-MAGNETIC BISTABILITY

10.50 – 11.10	COFFEE BREAK
----------------------	---------------------

11.10 – 13.10	PLENARY LECTURES
----------------------	-------------------------

- PL 04** Janusz LIPKOWSKI *11.10 - 11.40*
ON NON-STOICHIOMETRY AND PSEUDOPOLYMORPHISM IN SUPRAMOLECULAR CHEMISTRY
- PL 05** Dominique LUNEAU *11.40 - 12.10*
COORDINATION CHEMISTRY AND MOLECULAR MAGNETISM. THE QUEST FOR MOLECULAR SIZE MAGNETS
- PL 06** J. BARTOLOMÉ, F. BARTOLOMÉ and L. M. GARCÍA *12.10 – 12.40*
X-RAY MAGNETIC CIRCULAR DICHROISM AS A PROBE IN NANOMAGNETISM
- PL 07** Marius ANDRUH *12.40–13.10*
METALLOSUPRAMOLECULAR CHEMISTRY AND CRYSTAL ENGINEERING OF MULTIMETALLIC COMPLEXES

13.10 – 14.30	LUNCH BREAK
----------------------	--------------------

Working within sections

Section I. Inorganic chemistry

14.30-16.30 ORAL PRESENTATIONS

Co-Chairmen: Dominique LUNEAU, Mihail REVENCO

- OP 01** Yurii A. SIMONOV
CRYSTALLOGRAPHY IN MOLDOVA – STRUCTURE OF COORDINATION COMPOUNDS AND SUPRAMOLECULAR SYSTEMS (HISTORICAL PERSPECTIVE)
- OP 02** Anthony W. COLEMAN
PARA-ACYL CALIX-ARENES FROM NANO-CAPSULES TO MACRO-FILMS
- OP 03** George FILOTI, Juan BARTOLOME, Petru PALADE, Cristina VALSANGIACOM, Victor KUNCSEK, Ioana MANDRU, Luminita PATRON
EFFECT OF BRIDGING LIGANDS, VALENCE AND NATURE OF TRANSITIONAL ION ON MAGNETIC PROPERTIES OF NEW OXALATES
- OP 04** Ion I. GERU
2D NMR: COUPLED BOSONS TREATMENT
- OP 05** Hideaki ISHIDA, Makoto HANDA, Ichiro HIROMITSU and Masahiro MIKURIYA
ONE-DIMENSIONAL CHLORO-BRIDGED CHAIN COMPLEXES OF DINUCLEAR RUTHENIUM(II,III) 3,4,5-TRIALKOXYBENZOATES
- OP 06** Antoine LEYDIER, Laurent NAULT, Oleksandr SHKURENKO, Kinga SUWINSKA, Frederic HUCHÉ, Pierre FALSON, Rima MATAR, Helene BAUBICHON-CORTAY and Anthony W. COLEMAN
TRI-ANIONIC AMPHIPHILIC CALIX[4]ARENES: COMPLEXATION PROPERTIES
- OP 07** Moisey I. BELINSKY
INELASTIC NEUTRON SCATTERING AND EPR IN SPIN-FRUSTRATED V_3 AND Cu_3 NANOMAGNETS WITH DZIALOSHINSKY-MORIYA EXCHANGE
- OP 08** Vladimir O. GELMBOLDT, Larisa V. KOROEVA, Eduard V. GANIN, Marina S. FONARI, Mark M. BOTOSHANSKY, Yurii Ed. IVANOV, Alim A. ENNAN
HEXAFLUOROSILICATES OF AMINOPYRIDINIUM: CORRELATION BETWEEN H-BOND PARAMETERS AND SOLUBILITY OF SALTS

16.30 – 17.00 COFFEE BREAK

17.00 – 18.30 ORAL PRESENTATIONS

Co-Chairmen: Marius ANDRUH, Aurelian GULEA

- OP 09** M. N. SOKOLOV, N. V. IZAROVA, I. V. KALININA, V. S. KORENEV, V. P. FEDIN
POLYOXOMETALATES AS LIGANDS

- OP 10** I. Ya. OGURTSOV, G. MUNTEANU
TRUNCATED *AB INITIO* MODEL OF THE TRIMERS $[M_3(\mu-O)(OOCR)_6]^+$
(M=Cr, Mn, Fe)
- OP 11** Tudor SPATARU, Ronald L. BIRKE
THE MECHANISM OF THE Co-C BOND CLEAVAGE IN THE COBALAMIN-DEPENDENT ENZYMES
- OP 12** Marina S. FONARI
CROWN ETHERS AS SUITABLE TEMPLATES FOR INORGANIC-ORGANIC HYBRID MATERIALS
- OP 13** Ana BORTA, Yurii CHIUMACOV, Erwann JEANNEAU, Dominique LUNEAU
SYNTHESES, STRUCTURES AND MAGNETIC PROPERTIES OF Cu(II)-Ln(III) POLYNUCLEAR COMPOUNDS

18.30 – 19.30 POSTER PRESENTATIONS
--

- PP 001** A. Todosiciuc, T. Gutsul, and A. Nicorici
FTIR STUDY OF OLEIC ACID BONDING TO LEAD TELLURIDE NANOPARTICLES
- PP 002** A. Todosiciuc and A. Nicorici
SHAPE, SIZE, AND ASSEMBLY OF LEAD TELLURIDE NANOPARTICLES
- PP 003** T. Gutsul, A. Todosiciuc, A. Nicorici and T. Mitina
SOLUTION-PHASE SYNTHESIS OF MIXTURES OF PbTe AND Te NANOPARTICLES
- PP 004** I. Ya.Ogurtsov, N. N. Gorinchoy, I. I. Balan
DINITROGEN ACTIVATION BY DIRUTHENIUM COFACIAL DIPORPHYRIN COMPLEX
- PP 005** J. Bartolomé, G. Filoti, V. Kuncser, G. Schinteie, V. Mereacre, C. Anson, A. Powell, R. Clerac, D. Prodius, C. Turta
MAGNETOSTRUCTURAL CORRELATIONS IN THE TETRA-NUCLEAR NEW SERIES $\{Fe_3LnO_2\}$ “BUTTERFLY” CORE CLUSTERS.
- PP 006** Gulea Aurelian, Bîrcă Maria, Lupasco Andrei, Țapcov Victor, Andronic Olesia , Cotovaia Aliona
STUDY OF THE PARTICULARITIES OF THE DEHYDRATION PROCESSES OF DRIED PLANT PRODUCTS SAMPLES BY MEANS OF COMBINED THERMAL ANALYSIS
- PP 007** P. Bourosh, M. Revenco, A. Vologzhanina, O. Palamarciuc, Yu. Simonov

NEW BINUCLEAR MANGANESE COMPLEX WITH SALICYLALDEHYDE THIOSEMICARBAZONE

- PP 008** P. Bourosh, M.-G. Alexandru, I. Jitaru, E. Jeanneau, V. Ch. Kravtsov
COCRYSTALS OF 1D-INORGANIC COORDINATION POLYMER $\{\text{MeCl}_2 \cdot 2\text{H}_2\text{O}\}_n$ (Me – Cu(II), Mn(II)) AND N,N'-ETHYLENEBISACETAMIDE
- PP 009** I. Bulhac, P. Bourosh, O. A. Bologa, V. Lozan, L. Gusina, J. Lipkowski, Yu. A. Simonov
THE COORDINATION PECULIARITIES OF THE NEW LIGAND AND THE STRUCTURES OF COBALT COMPOUNDS WITH 2-HIDROXY-3-(2-ISONICOTINOYLHIDRAZONO) BENZOIC ACID
- PP 010** Ivan Ogurtsov, Eugen Cantsir and Natalia Gorinchoy
Ab initio STUDY OF THE N_2 ACTIVATION AND PROTONATION IN THE $\text{Fe}(\text{dmpe})_2\text{N}_2$
- PP 011** O. Ciobanica, V. Lozan, I. Bulhac
SYNTHESIS AND STRUCTURE OF BIS (α -BENZYL DIOXIMATE) DI (TRIAZINE) IRON(II) MONOCHLOROFORM
- PP 012** Cocu Maria, Grădinaru Julieta, Rybak-Akimova Elena
SYNTHESIS AND CHARACTERIZATION OF BENZOYLACETONE S-METHYL-ISOTHIOSEMICARBAZONE COMPLEXES OF VO(II) AND Zn(II)
- PP 013** Coropceanu E., Soran A., Rija A., Bologa O., Bulhac I.
SYNTHESIS AND STUDY OF DIOXIMATES OBTAINED IN THE PRESENCE OF THE HEPTAFLUORONIOMBIATE ANION
- PP 014** Croitor Lilia
BINUCLEAR Zn(II) AND Cd(II) DIOXIMES MEDIATED BY 4,4'-BPY
- PP 015** O. Curu, I. L. Malaestean, T. D. Keene, H. Stoeckli-Evans, S. G. Baca, S. Decurtins
IRON COORDINATION POLYMER CONSTRUCTED FROM TETRANUCLEAR CLUSTERS BRIDGED BY HEXAMETHYLENTETRAMINE LIGANDS
- PP 016** Dmitry G. Chikhichin, Varvara A. Kotseruba, Olga A. Levchenko, Elena V. Perova, Ivan V. Anan'ev, Sergey E. Nefedov and Gerbert L. Kamalov
LIQUID-PHASE OXIDATION OF DIBENZYL ETHER AT THE PRESENCE OF 3d METALS HOMO- AND HETEROLIGAND PIVALATES AND ACETATES
- PP 017** Dmitry G. Chikhichin, Varvara A. Kotseruba, Olga A. Levchenko, Elena V. Perova, Ivan V. Anan'ev, Sergey E. Nefedov and Gerbert L. Kamalov
CATALYTIC PROPERTIES OF 3d METALS HOMO- AND HETEROLIGAND PIVALATE COMPLEXES IN HYDROGEN PEROXIDE DECOMPOSITION
- PP 018** Dmitry G. Chikhichin, Varvara A. Kotseruba, Olga A. Levchenko, Elena V. Perova, Ivan V. Anan'ev, Sergey E. Nefedov, Gregory A. Timko and Gerbert L. Kamalov
CYCLOHEXENE AND DIBENZYL ETHER OXIDATION BY HYDROGEN PEROXIDE IN THE PRESENCE OF 3d METALS PIVALATE COMPLEXES

- PP 019** I. A. Diakon, S. V. Donu, L. F. Chapurina
THE POLYTYPISM OF THE CRYSTALS $\text{Cu}_2(\text{D-Ser})(\text{D-Tre})(\text{L-Tre})_2$
- PP 020** Dobrova B. N., Gorbachev M. Yu. and Gorinchoy N. N.
SPIN-INDUCED ENERGY BARRIER TO ACETYLENE-VANADOCENE INTERACTION
- PP 021** Gulea A., Donea T., Bairac N., Cebotari L., Tsapkov V.
COORDINATION COMPOUNDS OF SOME 3d METALS WITH 2-ACETYLPIRIDINE SEMICARBAZONE AND 4-PHENYLSEMICARBAZONE
- PP 022** Constantin Turta, Alexandra Deseatnic, Liudmila Chapurina, Jana Tiurina, Ioana Donica, Svetlana Labliuc
INFLUENCE OF COPPER(II) COMPLEXES WITH ALPHA -KETOGLUTARIC ACID ON PROTEOLYTIC ACTIVITY OF MYCELIAL FUNGI
- PP 023** Diana Dragancea, Vladimir B. Arion, Sergiu Shova
SYNTHESIS AND CRYSTAL STRUCTURE OF COPPER(II) COMPLEX WITH BIS-(3,5-DI-TERT-BUTHYL-2-HYDROXY-ENZALDEHYDE)DIAMINO GUANIZONE
- PP 024** G. Dulcevscaia, M. Speldrich, S. G. Baca, P. Kögerler
TWO-DIMENSIONAL COORDINATION POLYMER OF OXO-CENTERED TRINUCLEAR MANGANESE CLUSTERS
- PP 025** O. Curu, I. Filippova, M. Speldrich, E. Jeanneau, Yu. Chumakov, S.G. Baca, P. Kögerler
A NEW HEPTANUCLEAR IRON(III) CARBOXYLATE CLUSTER
- PP 026** Marina S. Fonari, Eduard V. Ganin, Mikhail Yu. Antipin, Victor Ch. Kravtsov
CRYSTALLOGRAPHIC CHARACTERIZATION OF MEFENAMIC ACID COMPLEXES WITH CYCLIC AND ACYCLIC AMINES
- PP 027** N.N. Gorinchoy
COMPARATIVE AB INITIO STUDY OF ACETYLENE AND DIAZENE MOLECULES ACTIVATION BY $\text{Fe}(\text{CO})_4$ COMPLEX
- PP 028** Gorinchoi V., Sirbu T., Burtseva S., Stepanov V., Turta C.
INFLUENCE OF THE IRON (III) SALICYLATES COORDINATION COMPOUNDS ON CATALASE ENZYME ACTIVITY: SYNTHESIS AND INVESTIGATIONS
- PP 029** Gorincioi V. V.
SYNTHESIS AND INVESTIGATION OF NEW HETERONUCLEAR COMPLEXES WITH SALICYLIC ACID
- PP 030** T. Gutsul, N. Doğan, B. Rameev, A. Dimoglo
SYNTHESIS, EPR, FI-IR SPECTROSCOPY OF SELENIUM-TUNGSTEN-VANADATE POLYOXOMETALATES

- PP 031** Gutsul T.
SYNTHESIS AND CRYSTAL STRUCTURE OF A NEW MIXED-VALENCE HEXATUNGSTATE.
- PP 032** S. Palii, V. Gorincioi, I. Voda, C. Indricean, C. Turta
THE ELECTROSPRAY IONIZATION MASS SPECTROMETRY OF s AND 3d METALS SALICYLATES COMPLEXES
- PP 033** Ion Arsene, N. N. Gorinchoy and I. Ya. Ogurtsov
VIBRONIC APPROACH IN SEARCH OF THE MOST STABLE ISOMERS OF THE XO_3^- AND HXO_3 MOLECULES (X = Cl, Br, I)
- PP 034** Ruslan E. Khoma, Alexander A. Shestaka, Alim A. Ennan, Vladimir O. Gelmboldt
MATHEMATICAL MODELING OF THE COMPLEXATION IN THE SYSTEMS "SULPHUR DIOXIDE – ETHANOLAMINES – WATER"
- PP 035** A. Fonari, S. Klokishner
EFFECTS OF INTRA- AND INTERCENTER INTERACTIONS IN SPIN-CROSSOVER
- PP 036** S. I. Klokishner, S. M. Ostrovsky, O. S. Reu, A. V. Palii, P. L.W. Tregenna-Piggott, T. Brock-Nannestad, J. Bendix, H. Mutka
MAGNETIC ANISOTROPY IN THE $Cu^{II}LTb^{III}(hfac)_2$ SINGLE MOLECULE MAGNET: EXPERIMENTAL STUDY AND THEORETICAL MODELING
- PP 037** A. V. Palii, O. S. Reu, S. M. Ostrovsky, S. I. Klokshner, B. S. Tsukerblat, M. Hilfiger, M. Shatruk, A. Prosvirin, K. R. Dunbar
HIGHLY ANISOTROPIC EXCHANGE COUPLING IN A TRIGONAL BIPYRAMIDAL CYANIDE BRIDGED $Os^{III}_2Ni^{II}_3$ CLUSTER
- PP 038** A. V. Palii, O. S. Reu, S. M. Ostrovsky, S. I. Klokishner, B. S. Tsukerblat, Z.-M. Sun, J.-G. Mao, A. V. Prosvirin, H.-H. Zhao, K. R. Dunbar
ROLE OF SPIN-CANTING IN SINGLE CHAIN MAGNET BEHAVIOR OF ANTIFERRO-MAGNETICALLY COUPLED ZIG-ZAG $Co(II)$ -COMPOUND
- PP 039** Evgeny Goreshnik, Vladimir O. Gelmboldt, Larisa V. Koroeva, Eduard V. Ganin
SYNTHESIS, CRYSTAL STRUCTURE, IR-SPECTRAL DATA AND SOME PROPERTIES OF 3,5-DIAMINO-1,2,4-TRIAZOLIUM HEXAFLUOROSILICATE AND TETRAFLUOROBORATE
- PP 040** A. Lazarescu, Yu. Simonov, S. Shova, M. Gdaniec, C. Turta
HOMO- AND HETERONUCLEAR ASSEMBLING WITH PYRIDINE-2,3-DICARBOXYLATE LIGAND
- PP 041** Vasile Lozan
MACROCYCLIC DINICKEL COMPLEXES COLIGATED BY AZOLIGANDS
- PP 042** S. P. Palii, S. Melnic, D. Prodius, C. Indricean, C. Turta
THE ELECTROSPRAY IONIZATION MASS SPECTROMETRY INVESTIGATION OF $Fe(III)$ CARBOXYLATES WITH α -FUROIC ACID

- PP 043** V. Şargorovschi, G. Dulcevscaia, E. P. Stîngaci, S. I. Pogrebnoi, V. Ch. Kravtsov, Yu. A. Simonov, J. Lipkowski, S. G. Baca, F. Z. Macaev
SYNTHESIS AND STRUCTURE OF COPPER(II) CARBOXYLATE COMPLEXES WITH ECONALOZE
- PP 044** V. V. Parshutin, N. S. Sholtoian, S. P. Sidelnicova, G. F. Volodina, A. V. Koval, O. A. Bologa, V. N. Shafranski, I. I. Bulhak
INHIBITION OF STEEL CORROSION IN WATER BY THIOCARBOHYDRAZIDE
- PP 045** Gutsul T.D., Petrenko P.A., Kravtsov V.Ch., Simonov Yu.A., Lipkowski J.
SYNTHESIS AND CRYSTAL STRUCTURE OF A NEW HETEROPOLYTUNGSTATE $[\text{TeSeV}_3\text{W}_{19}\text{O}_{71}] \cdot [\text{N}(\text{CH}_3)_4]_6 \cdot 6(\text{H}_2\text{O})$.
- PP 046** N. Popa, A. Gulea, A. Racu, A. Siminel, O. Kulikova, L. Kulyuk, V. Stavila, K.H. Whitmire, I. Bulimestru,
LUMINESCENCE PROPERTIES OF HETEROMETALLIC $\text{Ln}(\text{III})\text{-Bi}(\text{III})$ COMPLEXES AND THEIR MIXED-OXIDE SYSTEMS
- PP 047** Rija A., Nicolescu A., Soran A., Coropceanu E., Deleanu C., Bologa O., Bourosh P., Bulhac I.
SYNTHESIS AND STUDY OF SOME POLIFLUOROMETALIC DIOXIMATES OF $\text{Co}(\text{III})$ WITH SELENOUREA
- PP 048** Said Jebors, Anthony W. Coleman, B. Belgacem, L. Delmas and J. M. Friedt
CALIX-ARENE BASED SURFACE ACCOUSTIC WAVE SENSORS
- PP 049** V. Ciornea, S. Şova, O. N. Kazheva, Gh. Novitchi, J.-P. Costes, Yu. A. Simonov, A. Gulea
NEW TETRANUCLEAR Cu_2/Cr_2 COMPLEX ON THE BASE OF $[\text{Cr}_2(\text{OH})_2(\text{Nta})_2]^{2-}$ ANION. SYNTHESIS, STRUCTURE, MAGNETIC PROPERTIES
- PP 050** S. B. Strashnova, O. V. Avramenko, M. N. Zhuk, O.V. Kovalchukova, P. V. Strashnov, B. E. Zaitsev.
SYNTHESIS AND STUDY OF COMPLEXES OF COPPER(II), ZINC(II), COBALT(II) AND NICKEL(II) WITH NITROFLUORENYLIDENE-9-AMINO(IMINO) DERIVATIVES
- PP 051** E. Stratulat, M. Revenco, I. Corja, V. Prisacari, A. Dizdari, P. Bourosh, M. Gdaniec, Yu. Simonov
INFLUENCE OF DEPROTONATION ON THE STRUCTURE AND ANTIBACTERIAL PROPERTIES OF THE COPPER(II) COMPLEXES WITH 8-QUINOLINEALDEHYDE THIOSEMICARBAZONE
- PP 052** Yu. M. Chumakov, V. I. Tsapkov, B. Ya. Antosyak, Yu. A. Simonov, G. Bocelli, N. N. Bairac and A. P. Gulea
CRYSTAL STRUCTURES OF 6-METHYL- AND 6-BROMO-2-FORMYLPYRIDINE 4-PHENYLTHIOSEMICARBAZONES

- PP 053** Zosim L., Gulea A., Escudié J., Bulimaga V., Rudic V., Efremova N., Elenciuc D., Ouhsaine F., Ranaivonjatovo H., Tsapkov V.
GERMANIUM BIOACCUMULATION BY CYANOBACTERIA SPIRULINA PLATENSIS CNM CB-02 FROM GERMANIUM ORGANIC COMPOUNDS
- PP 054** Ivan Ogurtsov and Andrei Tihonovschi
LIGAND INDUCED CHANGE BETWEEN ANTIFERROMAGNETIC AND FERROMAGNETIC BEHAVIOR IN THE μ_3 -OXO MANGANESE COMPLEXES $[\text{Mn}_3\text{O}(\text{MeCOO})_6(\text{H}_2\text{O})_3]^+$ AND $[\text{Mn}_3\text{O}(\text{MeCOO})_3(\text{mpko})_3]^+$
- PP 055** J. M. Clemente-Juan, J. J. Borrás-Almenar, E. Coronado, A. V. Pali, B. S. Tsukerblat
HIGH-NUCLEARITY MIXED VALENCE CLUSTERS AND MIXED VALENCE CHAINS: A GENERAL APPROACH TO THE CALCULATION OF THE ENERGY LEVELS AND BULK MAGNETIC PROPERTIES
- PP 056** V. I. Tsapkov, Yu. M. Chumakov, B. Ya. Antosyak, Yu. A. Simonov, G. Bocelli, L. G. Popovschi and A. P. Gulea
THE CRYSTALLINE STRUCTURES OF 2,2'-BIPYRIDYL-CONTAINING COMPLEXES OF COPPER(II) NITRATE WITH SALICYLIC AND 5-NITROSALICYLIC ALDEHYDE
- PP 057** Konstantin P. Kushnir, Sergey A. Kotlyar, Gennady N. Chuprin and Gerbert L. Kamalov
SYNTHESIS AND PROPERTIES OF CROWN-ETHERS COMPLEXES WITH SODIUM AND POTASSIUM HALOGENODIPEROXOCHROMATES
- PP 058** Konstantin P. Kushnir, Sergey A. Kotlyar, Svetlana V. Shishkina, Oleg V. Shishkin and Gerbert L. Kamalov
SYNTHESIS, STRUCTURE AND PROPERTIES OF Cr(VI) COMPOUNDS COMPLEXES WITH 1,5-BIS (8-QUINOLINYLOXY)3-OXAPENTAN (L)
- PP 059** Konstantin P. Kushnir, Sergey A. Kotlyar, Svetlana V. Shishkina, Oleg V. Shishkin and Gerbert L. Kamalov
CROWN-ETHERS COMPLEXES WITH CALCIUM AND BARIUM CHLOROCHROMATES
- PP 060** Vadim Druta, Ana Borta, Yurii Chumakov, and Dominique Luneau
SYNTHESIS, CRYSTAL STRUCTURE AND MAGNETIC PROPERTIES OF SOME MANGANESE(III)-HEPTACYANORHENATE(IV) CLUSTERS
- PP 061** Silvia Melnic, Denis Prodius, Sirbu Tamara, Constantin Turta
SYNTHESIS AND BIOLOGICAL ACTIVITY OF SOME HOMO- AND HETEROTRINUCLEAR IRON(III) FUROATES
- PP 062** Denis Prodius, Fliur Macaev, Valeriu Mereacre, Sergiu Shova, Yurii Lutsenco, Eugenia Styngach, Patricia Ruiz, Dmitry Muraviev, Janusz Lipkowski, Yurii A. Simonov, Tatiana Mitina, Svetlana Bobcova and Constantin Turta
SYNTHESIS AND CHARACTERIZATION OF $\{\text{Fe}_2\text{Cu}\}$ CLUSTERS AS PRECURSORS FOR NANOSIZED CATALYTIC SYSTEM IN BIGINELLI REACTIONS

14.30-16.30	ORAL PRESENTATIONS
--------------------	---------------------------

Co-Chairmen: Nicon UNGUR, Vladimir A. KHRIPACH

- OP 14** Victor Ch. KRAVTSOV, Eduard V. GANIN
**CRYSTAL ENGINEERING OF PHARMACEUTICAL SOLIDS INVOLVING
 N-CONTAINING CYCLES/MACROCYCLES AND SULFA DRUGS**
- OP 15** Matthias FREUND, Shengwei WEI, Denis A. YALALOV and Svetlana B. TSOGOEVA
**ASYMMETRIC ORGANOCATALYSIS WITH SHORT PEPTIDES AND
 THIOUREA BASED BIFUNCTIONAL COMPOUNDS**
- OP 16** KLETTER E. A., MUSAVIROV O. R., SCHIRIAZDANOVA A. R., GANIULLINA E.
 R., ZLOTSKY S. S.
**PREPARATION AND REACTIONS OF MONO- AND BIS(HEM-
 DIHALOGENCYCLOPROPANES)**
- OP 17** A. MARCHENKO, N. MASCHENKO, P. KINTIA, V. FLOREA
**SCREENING FOR NEW BIOLOGICALLY ACTIVE SUBSTANCES FOR
 MEDICINAL PLANT PRODUCTIVITY INCREASE**
- OP 18** Michele D'AMBROSIO, Alexandru CIOCARLAN, Antonio GUERRIERO, Angela
 MARI, Nicola AIELLO, Petra EGGER, Fabrizio SCARTEZZINI, Carla VENDER
**AGRONOMICAL AND CHEMICAL STUDIES AIMED AT TURNING
 RHODIOLA ROSEA FROM ALPS INTO A HERBAL MEDICINE**
- OP 19** Carolina EDU, Tatiana RADUCAN, Mihai COLȚA, Alina NICOLESCU, Calin
 DELEANU, Pavel VLAD
**SYNTHESES OF SOME 11-HOMODRIMANIC CONJUGATED DIENES WITH
 POTENTIAL ODORS PROPRIETIES**
- OP 20** Andrei SHUTOV
**SEED STORAGE GLOBULINS: EVOLUTION AND STRUCTURAL
 SPECIFICITY**

16.30 – 17.00	COFFEE BREAK
----------------------	---------------------

17.00 – 19.00	POSTER PRESENTATIONS
----------------------	-----------------------------

- PP 063** K. I. Kuchkova, A. N. Aricu, A. N. Barba, P. F. Vlad
**THE DEHYDRATION REACTION PRODUCTS OF 11-BISHOMODRIMAN-8 α -OL-
 12-ONE**
- PP 064** Alina M. Balu, Juan M. Campelo, José M. Marinas, Antonio A. Romero

MICROWAVE-ASSISTED EFFICIENT MICHAEL REACTION USING AMINO FUNCTIONALISED MESOPOROUS SOLID BASES

- PP 065** S. D. Artamonova, F. F. Sharnina
SYNTHESIS AND PURIFICATION OF D(+)-GLUCOSAMINE HYDROCHLORIDE FROM CHITIN-CONTAINING MATERIALS
- PP 066** B. Ya. Antosyak, Yu. M. Chumakov, V. I. Tsapkov, Yu. A. Simonov and A. P. Gulea
THE CRYSTALLINE STRUCTURE OF 5-METHYL-N-PHENYL-1,3,4-THIADIAZOLE-2-AMINE
- PP 067** A. V. Baranovsky, D. A. Bolibrukh, V. A. Khripach, B. Schneider
A WAY TO SYNTHESIS OF C14 α -SUBSTITUTED OXYGENATED ANDROSTANES
- PP 068** Anca-Dana BENDREA, Ana-Maria CATARGIU, Mircea GRIGORAS
SYNTHESIS AND CHARACTERIZATION OF SBA-15 /POLYTHIOPHENE COMPOSITES
- PP 069** L. P. Beț, Z. Yu. Ribkovskaia, L. A. Vlad, N. P. Sucman, S. I. Pogrebnoi, F. Z. Macaev
NOVEL CHIRAL TIOUREA FROM (+)-3-CARENE AND (+)- α -PINENE
- PP 070** Bobeica Valentin
THERMAL DEGRADATION OF NATURAL STEROIDAL GLYCOSIDES ESTERIFIED AT C27 WITH 3-HIDROXY-3-METHYGLUTARIC ACID
- PP 071** V. Boyarskiy, T. Haibulova, M. Gdaniec, M. Fonari, Yu. Simonov
SELECTIVITY OF POLYHALOGENBENZENES COBALT CATALYZED CARBONYLATION AS A CRITERION FOR THE REACTION MECHANISM
- PP 072** Chirva V. Ya., Aristova N. I., and Panov D. A.
NATURAL FOOD ACIDULANT FROM GRAPES OF CRIMEA SOUTHERN PART
- PP 073** Alexandru Ciocarlan, Mihai Coltsa, Pavel F. Vlad, Andrei Biriyaç, Alina Nicolescu, Calin Deleanu, Michele D'Ambrosio
PHOTOCHEMICAL TRANSFORMATION OF DRIM-7,9(11)-DIENE
- PP 074** Florea Dumitrașcu, Constantin Drăghici, Loredana Barbu, Dan G. Dumitrescu and Marcel Popa
NEW HELICAL MOLECULES BY 1,3-DIPOLAR CYCLOADDITIONS
- PP 075** Marina Grinco, Nicon Ungur, Veaceslav Kulcițki, Alexandr Boico & Pavel F. Vlad
ANGELOYLGRANDIFLORIC ACID FROM THE SUNFLOWER HELIANTHUS ANNUUS L. DRY WASTE
- PP 076** Carolina Edu, Alexandru Ciocarlan, Mihai Coltsa, Michele D'Ambrosio, Alina Nicolescu, Calin Deleanu, Pavel F. Vlad
SYNTHESES OF 11-BROMO-DRIM-8-ENE-7-ONE
- PP 077** Elena Gorincioi, Aculina Aricu, Pavel Vlad, Ada Manzocchi, Enzo Santaniello

EFFICIENT SYNTHESIS OF 7 α -HYDROXY-11-OXO-SCLAREOL OXIDE FROM DRIMENOL

- PP 078** Elena Gorincioi and Enzo Santaniello
N⁶-(Δ^2 -ISOPENTENYL)ADENOSINE (iPA) ANTITUMOR ACTIVITY IN VITRO AND IN VIVO: DERIVATIVES OF iPA CONTAINING THIOLIC COMPOUNDS AS LIGANDS OF GOLD NANOPARTICLES
- PP 079** Mino R. Cairra, Marcel M. Popa, Denisa Dumitrescu, Florea Dumitrascu, Constantin Draghici
REACTIONS OF TETRAHYDRO-ISOQUINOLINES N-YLIDES WITH NON-SYMMETRICAL DIPOLAROPHILES
- PP 080** Fulga Tanasa, Constantin I. Chiriac
A CHALLENGE IN ORGANIC CHEMISTRY: BORON-MEDIATED DIRECT CONDENSATION REACTIONS
- PP 081** Fulga Tanasa, Constantin I. Chiriac
AROMATIC POLYESTERS AND COPOLYESTERS WITH THERMOTROPIC LIQUID CRYSTALLINE BEHAVIOUR BASED ON P-HYDROXYBENZOIC ACID
- PP 082** V. E. Isakov, Yu. Yu. Kozhemyakin, L. P. Beț , L. A. Vlad, O. G. Kulinkovich, F. Z. Macaev
ALLYLIC ETHYLATION OF THE FUNCTIONALLY SUBSTITUTED OLEFINS WITH CHIRAL ALKOXYTITANACYCLOPROPANE REAGENTS
- PP 083** D. G. Kananovich, Y. A. Konik, L. P. Beț , L. A. Vlad, O. G. Kulinkovich, F. Z. Macaev
CATALYTIC CYCLOPROPANATION OF CARBOXYLIC ESTERS WITH CHIRAL ALKOXYTITANACYCLOPROPANE REAGENTS
- PP 084** Vladimir A. Khripach, Vladimir N. Zhabinskii, Galina V. Ivanova, Natalya B. Khripach, Alexander S. Lyakhov
CONFORMATIONAL STUDIES OF STEROIDAL (2R,23R)- AND (2S,23S)-DIOLS
- PP 085** Victor Ch. Kravtsov, Eduard V. Ganin, Anna V. Vologzhanina, Konstantin A. Lyssenko
CRYSTALLINE ASSEMBLY OF ANTI TUBERCULAR DRUGS WITH p-TOLUENESULFONIC ACID
- PP 086** Litvinovskaya R. P., Raiman M. E., Anikeev V. I., Khripach V. A.
SYNTHESIS OF 28-HOMOBRASSINOSTEROIDS MODIFIED WITH INDOLYLACETIC ACID
- PP 087** Mariana Deleanu, Claudia Kiss
STUDY OF A ONE-STEP EXTRACTION METHYLATION METHOD FOR RAPID DETERMINATION OF FATTY ACIDS IN CELLS AND ANIMAL TISSUES
- PP 088** Marin I., Sîrbu D., Popușoi A., Barbă N., Turtă C., Duca G.
THE SYNTHESIS OF 4-N,N-DIARYL(DIALKYL)AMINO- 4'-ISOTHIOCYANATO-CHALCONE

- PP 089** Barbă Nicanor, Mitcov Dmitri, Dragalina Galina, Robu Ștefan
ASPECTS OF SOME TRANSITION METALS' PHTHALOCYANINES SYNTHESIS
- PP 090** Natalia Secara
STRUCTURE OF 2,2-DIPHENYL-1-PYCRYLHYDRAZINE AND ITS INCLUSION
COMPLEX WITH ETHANOL
- PP 091** S. A. Shvets, I. I. Nedova, P.K. Kintia, C. Bassarello, S. Piacente, C. Pizza
STRUCTURE OF STEROIDAL GLYCOSIDES OF FUROSTANE SERIES FROM
THE ROOTS OF SOLANUM MELONGENA L.
- PP 092** Z. Yu. Ribkovskaia, S. I. Pogrebnoi, N. Shvets, A. S. Dimoglo, F. Z. Macaev
RAPID DISCOVERY OF ANTI-TUBERCULAR AGENTS FROM AMINO-
BENZOIC ACIDS VIA COMPUTER-BASED ACTIVITY PREDICTION
- PP 093** Rogojanu Alina, Filip Dorina Mihaela, Rusu Elena, Dana-Ortansa Dorohoi
THE INTERACTION BETWEEN IODINE AND MACROMOLECULAR
STRUCTURES WITH HYDROXYL GROUPS
- PP 094** O. L. Sharko, M. A. Kisel
FATTY ACID AMIDES AS MODULATORS OF LIPID HYDROLASES ACTIVITY
- PP 095** F. G. Șepeli, V. V. Valica, D. F. Șepeli, T. V. Ștefanuț F. Z. Macaev
ON PECULIARITIES OF ALKALINE HYDROLYSIS OF SOME DIAMIDES OF
MALONIC ACID
- PP 096** Popușoi A., Barbă N., Șirbu D.
THE SYNTHESIS OF 4-HYDROXY-3-METOXY-4'-
ISOTHIOCYANATOCHALCONE
- PP 097** Mircea Grigoras, Loredana Stafie, Virgil Barboiu and Daniel Timpu
SYNTHESIS OF TRIPHENYLAMINE-BASED RHOMBIMINE MACROCYCLE BY
[2+2] CYCLOCONDENSATION REACTION BETWEEN (1R,2R)-
DIAMINOCYCLOHEXANE AND 4,4'-DIFORMYL TRIPHENYLAMINE
- PP 098** Stefan Oprea
SYNTHESIS AND PROPERTIES OF POLYURETHANE ELASTOMERS WITH
CASTOR OIL IN HARD SEGMENTS
- PP 099** N. Sucman, V. Șargorovschi, T. Iudin, E. Stîngaci, O. Radul, F. Macaev
DIVERSITY ORIENTED SYNTHESIS OF THE HIV-1 NON-NUCLEOSIDE
REVERSE TRANSCRIPTASE INHIBITORS FROM 1H-INDOLE-2,3-DIONES
- PP 100** I. R. Tigoianu, A. Airinei, M. Lupu, A. Siemiarczuk, M. Grigoras, L. Stafie
FLUORESCENCE SPECTRA OF SOME NAPHTHALENE-CONTAINING
DERIVATIVES

- PP 101** A. G. Tolstikov, R. G. Savchenko, D. V. Nedopekin, L. M. Khalilov, V. N. Odinkov
STABLE OZONIDES ON THE BASIS OF THE TETRAHYDROQUINOLINES –
NEW POTENTIALLY ANTIMALARIAL AGENTS
- PP 102** Nicon Ungur, Marina Grinco, Veaceslav Kulcički, Alic Barba, Cristina Kirova & Pavel
F. Vlad
SYNTHESIS OF OXYGENATED DERIVATIVES OF ENT-KAUR-16-EN-19-OIC
ACID
- PP 103** Ya. R. Urazaeva, R. V. Shafikov, R. G. Savchenko, V. N. Odinkov
OXIMES 20-HYDROXYECDYSONE OF DIACETONIDE, ITS 7,8-
DIHYDROANALOGUES AND REARRANGEMENT TO LACTAMS
- PP 104** A. M. Popescu, V. Constantin, M. Olteanu, A. Baran, A. Iovescu
DENSITY, VISCOSITY AND ELECTRICAL CONDUCTIVITY OF DEEP
EUTECTIC SOLVENTS FORMED BETWEEN CHOLINE CHLORIDE AND
CARBOXYLIC ACIDS
- PP 105** Angelica Vlad, Maria Cazacu
SILOXANE-BASED STRUCTURES HAVING COMPLEXED METALS
- PP 106** Stelian Vlad, Constantin Ciobanu, Luiza Madalina Gradinaru
SYNTHESIS AND PROPERTIES OF SOME POLYURETHANE ELASTOMERS
WITH ZnO NANOPARTICLES
- PP 107** Larisa Zadorojnâi, Alexandru Zadorojnâi
CONJUGATION OF HYALURONIC ACID WITH ASPIRIN
- PP 108** Vladimir A. Khripach, Vladimir N. Zhabinskii, Galina V. Ivanova, Olya V.
Konstantinova, Tamara F. Raichenock, Pavel B. Drašar, Donato Monti
SYNTHESIS AND LUMINESCENT PROPERTIES OF SOME BRASSINOSTEROID
CONJUGATES

Section III. Analytical, Physical and Ecological Chemistry

14.30-16.30 ORAL PRESENTATIONS

Co-Chairmen: Viorica Gladchi, Igor POVAR

- OP 22** G. A. PETUKHOVA, V. V. GUR'YANOV
APPLICATION OF THE M.M.DUBININ'S THEORY OF VOLUME FILLING OF MICROPORES TO THE ADSORPTION DESCRIPTION IN CARBON NANOPORES
- OP 23** Margareta NICOLAU, Cristiana COSMA, Maria TEODORESCU, Tudor LUPASCU
JOINT RESEARCH PERFORMED BY THE INSTITUTE OF CHEMISTRY OF THE ACADEMY OF SCIENCES OF MOLDOVA AND INCDECOIND ROMANIA IN THE FIELD OF ENVIRONMENTAL PROTECTION
- OP 24** H. CESIULIS, N. TSYNTSARU, A. DIKUSAR
ELECTRODEPOSITION AND PROPERTIES OF NANOCRYSTALLINE BINARY AND TERNARY W AND Mo ALLOYS WITH IRON GROUP METALS
- OP 25** CINCILEI A., TOLOCICHINA S., RASTIMESINA I., DRAGALIN I., DUMBRAVEANU V.
PREPARATION OF MICROBIOLOGICAL AGENTS FOR ORGANIC POLLUTANTS REMOVAL IN WASTEWATER
- OP 26** Cristina DINU, Gabriela VASILE, Jana PETRE
FLOW INJECTION ANALYSIS SYSTEM COUPLED WITH ICP-EOS FOR DETERMINATION OF SOME METALLIC ELEMENTS IN DRINKING WATER
- OP 27** DYAKOVA L.V., KASIKOV A.G., KSHUMANEVA E.S., DROGOBUZHSKAYA S. V.
COBALT SALTS OBTAINING USING SOLVENT EXTRACTION.
- OP 28** N. A. ELTEKOVA, Yu. A. ELTEKOV
DESCRIPTION OF ORGANIC MOLECULES RETENTION FROM BINARY MOBILE PHASE
- OP 29** KORNILOVA E. N., KORNILOV N. I., VASILTSEVA O. N.
MONITORING OF THE EUROASIAN NATURAL MINERAL WATERS CHLORIDE -HYDROCARBONATE TYPE

16.30 – 17.00 COFFEE BREAK
17.00 – 18.30 ORAL PRESENTATIONS

Co-Chairmen: Galina PETUKHOVA, Vasile RUSU

- OP 30** Matei MACOVEANU, Laura BULGARIU, Catalin BALAN, Cornel COJOCARU
STUDIES ON THE USE OF NATURAL ADSORBENTS FOR THE DEPOLLUTION OF WASTEWATER

- OP 31** P. N. BELKIN, A. V. ZHIROV, I. G. DIYAKOV
DISSOLUTION AND OXIDATION OF CARBON STEEL AT THE ANODING HEATING IN AQUEOUS ELECTROLYTE
- OP 32** SHARAGOV Vasili
THE IMPLEMENTATION OF A GENERAL APPROACH IN ORDER TO CHARACTERIZE THE SUBSTANCES AND MATERIALS
- OP 33** P. G. GLOBA, S. P. SIDELNIKOVA, N. I. TSYNTSARU, A. I. DIKUSAR
CORROSION RATE EFFECTS AT PULSE ELECTROCHEMICAL MANUFACTURING OF MESO-AND NANOMATERIALS
- OP 34** O. I. GONA, N. V. STOLYARCHUK, N. A. YAROSHENKO and Yu. L. ZUB
BITEMPLATE SYNTHESIS OF MESOPOROUS SILICAS CONTAINING THIOUREA GROUPS

16.30 – 17.00 COFFEE BREAK

Wednesday, May 27

9.00 – 10.30 PLENARY LECTURES

Co-Chairmen: Tudor LUPASCU, Fedor A. LAKHVICH

9.00 – 9.30

PL 08 Gheorghe DUCA
DEVELOPMENT OF ECOLOGICAL CHEMISTRY IN MOLDOVA

9.30 – 10.00

PL 09 Vladyslav GONCHARUK
**SOLUTION OF PROBLEM OF SUPPLYING THE POPULATION WITH THE
QUALITY DRINKING WATER**

10.00 – 10.30

PL 10 Bogdan C. SIMIONESCU, Geta DAVID, Valeria HARABAGIU
FUNCTIONAL POLYMERS - PAST, PRESENT AND FUTURE

10.30 – 10.50 COFFEE BREAK

10.50 – 12.50 PLENARY LECTURES

10.50 – 11.20

PL 11 Fedor A. LAKHVICH
**BIORATIONAL PESTICIDES AS A NEW GENERATION OF BIOCHEMICAL PLANT
PROTECTION AGENTS**

11.20 - 11.50

PL 12 Fliur Z. MACAEV
**BIOACTIVE SYNTHETIC AND NATURAL PRODUCTS CHEMISTRY: BACK
TO THE FUTURE**

11.50 - 12.20

PL 13 Calin DELEANU, Alina NICOLESCU
NATURAL ABUNDANCE ¹⁵N-NMR SPECTROSCOPY

12.20 - 12.50

PL 14 Vladimir A. KHRIPACH, Vladimir N. ZHABINSKII
**STEROIDAL PLANT HORMONES: ROLE AND APPLICATIONS OUTSIDE
PLANT KINGDOM**

13.00 - 14.00 LUNCH BREAK

14.00 – 20.00 EXCURSION

Thursday, May 28

9.00 – 10.30 PLENARY LECTURES

Co-Chairmen: Constantin TURTA, Juan BARTHOLOME

9.00 – 9.30

PL 15 Ionel I. MANGALAGIU
CHEMOSENSORS, CORONANDS AND NITROGEN HETEROCYCLES

9.30 – 10.00

PL 16 Mihail REVENCO
DEVELOPMENT OF ANALYTICAL COORDINATION CHEMISTRY IN MOLDOVA

10.00 – 10.30

PL 17 Gerbert L. KAMALOV, Sergey A. KOTLYAR and Oleg V. SHISHKIN
CROWN ETHERS COMPLEXES WITH CHROMIUM(VI) COMPOUNDS. SUPRAMOLECULAR ASPECTS OF STRUCTURE AND REACTIVITY

10.30 – 11.00 COFFEE BREAK
11.00 – 12.45 PLENARY LECTURES

11.00 – 11.30

PL 18 Liviu CHIBOTARU
NON-COLLINEAR SPIN STRUCTURE AND TOROIDAL MAGNETIC MOMENTS IN POLYNUCLEAR COMPLEXES

11.30 – 12.00

PL 19 Boris TSUKERBLAT
THEORETICAL APPROACHES IN MOLECULAR MAGNETISM: RETROSPECTIVE AND STATE OF THE ART

12.00 – 12.30

PL 20 Ghenadie NOVITCHI, Lothar HELM, Fabrice RIBLET, Rosario SCOPELLITI, Christopher E. ANSON, Aurelian GULEA, Annie K. POWELL, André MERBACH
NMR INVESTIGATION OF HOMO- AND HETEROMETALLIC MIXED VALENCE TRINUCLEAR μ_3 -OXO IRON CLUSTER: KINETIC MECHANISM OF LIGAND EXCHANGE AND ELECTRON TRANSFERS IN SOLUTION

12.30 – 12.45

OP 21 Mark GANDELMAN
NEW FAMILIES OF BI- AND TRIDENTATE CLICK LIGANDS

13.00-14.30 LUNCH BREAK

14.30 – 16.00 POSTER PRESENTATIONS

- PP 109** A. M. Popescu, V. Constantin, A. Cojocaru, A. Florea, T. Visan, M. Olteanu
STUDY REGARDING COPPER ELECTRODEPOSITION FROM CHOLINE
CHLORIDE BASED GREEN
- PP 110** V. Gologan, J. Bobanova, S. Ivashku, V. Mazur, B. Pushkashu
SEM INVESTIGATIONS OF GALVANIC COATINGS
- PP 111** S. S. Belevskij, S. A. Silkin, A. I. Shulman, N. I. Tsyntsaru, S. P. Yushchenko, A. I.
Dikusar
INDUCED CODEPOSITION OF CO-W COATINGS: DEPENDENCE OF
COMPOSITION AND PROPERTIES ON LONG-TERM OPERATION OF
ELECTROLYTE AND HYDRODYNAMIC CONDITIONS
- PP 112** Belova E. V., Tkhorzhnitskii G. P., Nazin E. R.
THERMAL STABILITI OF HYDRAZINE NITRIC ACID SOLUTIONS IN CLOSED
SYSTEMS
- PP 113** Belova E. V., Smirnov A. V., Tananaev I. G.
HYDRAZOIC ACID ALLOCATION BETWEEN AQUEOUS NITRATE
SOLUTIONS AND GAS PHASE UNDER CONDITIONS OF HIGH ACTIVITY
WASTES EXTRACTION PROCESSING
- PP 114** Datsko T. Ya., Zelentsov V. I., and Dvornikova E. E.
THE DEPENDENCE OF POINT OF ZERO CHARGE OF γ -AL₂O₃ SURFACE AND
THE VALUE OF FLUORINE ADSORPTION ON THE SOLUTION
TEMPERATURE
- PP 115** Filippov M. P., Shepel D. F., Shepel F. G.
APPLICATION OF IR-SPECTROSCOPY FOR RESEARCH OF INULIN CONTENT
IN TUBERS OF JERUSALEM ARTICHOKE (HELIANTHUS TUBEROSUS)
- PP 116** Ion Dranca, Sergey Vyazovkin and Tudor Lupascu
INVESTIGATION OF THE PHOTOSTRUCTURAL CHANGES IN
CHALCOGENIDEGLASSES
- PP 117** V. Dolghier
TRENDS IN THERMAL ANALYSIS OF MATERIALS
- PP 118** Viorica Gladchi, Elena Bunduchi, Gheorghe Duca, Nelly Goreaceva, Lilia Anghel
PHOTOLYSIS OF PESTICIDES HEXACHLOROCYCLOHEXAN AND
PHOZALON IN AQUATIC ENVIRONMENT
- PP 119** Gheorghe Duca, Elena Bunduchi, Viorica Gladchi
CATALYTIC OXIDATION AND OXIDATION INVOLVING FREE RADICALS OF
THE HYDROQUINONE AND ACID GLIOXALIC IN THE AQUATIC
ENVIRONMENT
- PP 120** A. Y. Eltekov, G. H. Findenegg

MEASUREMENT OF ADSORPTION ISOTHERMS OF NONIONIC SURFACTANT BY LIQUID CHROMATOGRAPHY

- PP 121** Viorica Gladchi, Nelli Goreaceva, Gheorghe Duca, Elena Bunduchi, Lidia Romanciuc, Igor Mardari
MIDDLE DNIESTER. THE BIOGENIC ELEMENTS REGIME IN RIVER WATERS
- PP 122** V. Gladchi, N. N. Goreaceva, Gh. Duca, E. Bunduchi, R. Borodaev, L. Angela, O. Şurîgina, A. Lisa
CHEMICAL REGIME OF DNIESTER TRIBUTARIES IN SPRING PERIOD OF THE YEAR 2009
- PP 123** Gheorghe Duca, Viorica Gladchi, Nelli Goreaceva, Elena Bunduchi, Lidia Romanciuc
PHOTO-DEGRADATION OF THIOLIC SUBSTANCES IN AQUATIC ENVIRONMENT
- PP 124** T. Maliar, S. Asadauskas, H. Cesiulis
SURFACE OF IRON POWDER MODIFICATION WITH COPPER
- PP 125** O. V. Ialychenco, E. Yu. Kanarovskii
ELECTRON TRANSFER PROCESS IN MOLECULAR COMPLEX OF DONOR-POLYMER-ACCEPTOR
- PP 126** V. Matveevici, T. Isac, M. Gonta, V. Iambartev, L. Mocanu, Gh. Duca
THE PHOTOLYSIS OF SOME DIRECT AZO-COLORANTS IN HOMOGENOUS SYSTEMS
- PP 127** Klymenko Natalia, Ivan Kozyatnyk, Savchyna Ludmila
BIODEGRADABLE ORGANIC CARBON CHANGES IN SOME DRINKING WATER PURIFICATION PROCESSES
- PP 128** Ivan Kozyatnyk, Klymenko Natalia, Savchyna Ludmila
OZONATED NATURAL ORGANIC MATTERS ADSORPTION EQUILIBRIUM ON ACTIVATED CARBON
- PP 129** Kubritskaia T. D., Sorokina V. N.
REMOVAL OF DIRECT DYES FROM MODEL AND TECHNOLOGICAL SOLITIOS USING NATURAL AND MODIFIED MOLDAVIAN DIATOMITE
- PP 130** Irina Leshchuk, Natalia Klymenko
SORPTION OF RADIONUCLIDES BY BACTERIUM BACILLUS POLYMYXA IMV 8910
- PP 131** Lupascu Lucian
THE OBTAINING TECHNOLOGY OF THE ENOTANNINS WITH ANTISTRESS ACTIVITY
- PP 132** Lupascu L., Lupascu G.
THE INFLUENCE OF THE MODIFIED ENOTANNINS ON THE SOYA RESISTANCE TO UNFAVOURABLE ENVIRONMENTAL FACTORS

- PP 133** Mariana Martin
PVC MATRIX MEMBRANE SENSOR FOR POTENTIOMETRIC DETERMINATION OF DODECYLSULFATE
- PP 134** Aurelia Meghea
IMMOBILIZATION OF NATURAL PLANT EXTRACTS INTO HYBRIDE POLYMERIC MATRIX
- PP 135** Mitina T., Bondarenco N., Coptenco E., Apostol L., Bunciuc O.
DETECTION OF CALCIUM AND SODIUM IN WINES
- PP 136** Elena Mosanu
THE INFLUENCE OF AMMONIA COMPOUND ON SHELLS OF MOLLUSKS
- PP 137** Elena Mosanu, Maria Sandu, P. Spataru, Elena Lăpteanu
DYNAMICS OF NITRIFICATION THE PROCESS IN RIVER RAUT WATER IN CORRELATION WITH INDICATORS OF POLLUTION
- PP 138** Andrei Lupasco, Galina Dicusar, Natalia Netreba
THE ANALYSIS IN DRYING PROCESS OF A CHEMICAL COMPOUND OF SEEDLESS GRAPES CULTIVATED IN THE REPUBLIC OF MOLDOVA
- PP 139** Natalia Secara
STOPPED-FLOW INVESTIGATION OF THE INTERACTION OF DIHYDROXYFUMARIC ACID WITH THE 2,2-DIPHENYL-1-PYCRYLHYDRAZYL FREE RADICAL
- PP 140** P. Spataru, Maria Sandu, Elena Mosanu, Raisa Lozan, A. Tarita
SELF-PURIFICATION CAPACITY OF RIVER RAUT WATER
- PP 141** V. V. Parshutin, N. S. Sholtoian, G. F. Volodina, A. V. Kovali, V. I. Lozan, O. A. Bologa
PECULIARITIES OF STEEL CORROSION IN WATER INHIBITION BY MEANS OF CALCIUM GLUCONATE
- PP 142** V. V. Parshutin, N. S. Sholtoian, S. P. Sidelnikova, G. F. Volodina, T. F. Mitina, E. P. Koptenco, N. G. Bondarenco
EFFECT OF THIOSEMICARBAZIDE ON WATER COMPOSITION AT INHIBITION OF STEEL CORROSION
- PP 143** V. V. Parshutin, N. S. Sholtoian, S. P. Sidelnikova, G. F. Volodina, T. F. Mitina, E. P. Koptenco, N. G. Bondarenco
CHANGE OF MEDIUM COMPOSITION ATTACHED TO INHIBITION OF STEEL CORROSION IN WATER BY CALCIUM GLUCONATE
- PP 144** Petrova A. M., Kasikov A. G.
THE EFFECT OF SULPHURIC ACID CONCENTRATION ON SOLVENT EXTRACTION OF ReO_4^- BY THE LONG-CHAIN ALIPHATIC TERTIARY AMINES AND ALCOHOLS

- PP 145** G. A. Petukhova, E. V. Khozina, M. A. Uljanova
PARAMETERS OF POROUS STRUCTURE OF BLOCK ADSORBENTS BASED ON ORGANIC MINERAL COMPOSITES STUDIED BY PULSED NMR METHOD
- PP 146** T. Poliakova, L. Savchyna, I. Kozyatnyk, N. Klymenko
INFLUENCE OF THE ACTIVATED CARBON STRUCTURE ON ADSORPTION OF THE FULVIC ACIDS
- PP 147** C. Popovich, O. Deseatnicov, R. Sturza
INFLUENCE OF STORAGE ON THE ABILITY OF NATURAL PLANTS TO INHIBIT LIPID OXIDATION IN IODINE-FORTIFIED SUN FLOWER OIL
- PP 148** Rusu V., Nastas R. Postolachi L., Lupascu T.
ELECTRICAL CHARACTERISTICS OF AQUATIC SYSTEM'S SOLIDS
- PP 149** Igor Povar
PH-METRIC METHOD FOR THE DETERMINATION OF SOLUBILITY PRODUCTS AND EQUILIBRIUM ION CONCENTRATIONS OF POORLY SOLUBLE ACIDS, HYDROXIDES AND SALTS OF VARIOUS COMPOSITIONS
- PP 150** Igor Povar, Ilie Fishtik
BUFFER CAPACITY FOR TWO-PHASE SYSTEMS INVOLVING MULTIPLE CHEMICAL REACTIONS
- PP 151** A. Gavriluta, C. Gherman, R. Lascova, A. Mitioğlu, M. Revenco, L. Kulyuk
SIZE DEPENDENCE OF THE PbS NANOCRYSTAL ON SYNTHESIS TEMPERATURE
- PP 152** Olena Samsoni-Todorova, Klymenko Natalia, Kozyatnyk Ivan, Ludmyla Savchyna
INFLUENCE OF THE PRELIMINARY OZONIZATION ON THE ACTIVATED CARBON BIOREGENERATION
- PP 153** V. Şargorovschi, T. Iudin, N. Sucman, E. Stîngaci, F. Macaev
NEW EFFICIENT BIS-NITRILE-FUNCTIONALIZED CATALYTIC SYSTEM FOR MORITA-BAYLIS-HILLMAN REACTION
- PP 154** L. A. Savchyna, T. V. Poliakova, N. A. Klymenko, I. P. Kozyatnyk
USING OF HYDROGEN PEROXIDE FOR ADSORPTION-CATALYTIC PURIFICATION OF WATER FROM NATURAL ORGANIC MATTERS
- PP 155** N. Secară, Gh. Duca, F. Macaev
TRIMETHYLSILYL CHLORIDE CATALYZED METHOXY-DEHYDROXYLATION OF THE DIHIDROXYFUMARIC ACID
- PP 156** Duca Gheorghe, Sharagov Vasili
THE DEPENDENCE OF THE PHYSICAL AND CHEMICAL PROPERTIES OF GLASS ON THE COMPOSITION AND STRUCTURE OF ITS SURFACE LAYERS, DEALKALIZED WITH ACID GASES
- PP 157** Sharagov Vasili, Azarenko Olga, Lysenko Galina, Botezatu Vitalie

REVEALING STRUCTURAL CHANGES IN THE INDUSTRIAL GLASSES,
EXPOSED TO IMPULSE MAGNETIC FIELD, WITH THE HELP OF THE
SECTION ETCHING OF HF SOLUTION

- PP 158** Shepel D.F., Shepel F.G.
DETERMINATION OF THE TOTAL CAROTINOIDS IN THE PREPARATION
“FENKARIN” BY THE USE OF SPECTROPHOTOMETRIC METHOD
- PP 159** S. P. Sidelinikova, A. I. Dikusar, N. I. Tsyntsaru
ELECTRODEPOSITION AND PROPERTIES OF Co –Mo – P ALLOYS
- PP 160** Rodica Sturza, Constantin Sîrghi, Mariana Vrîncean
COMPARISON OF SENSITIVITY OF THE ANALYTICAL METHODS OF THE
SAMPLES INJECTION IN THE DETECTION OF COMPOUNDS with POTENTIAL
FLAVOURS IN WINES
- PP 161** Ludmila Chiriac□, Mihail Revenco□□, Tatiana Cazac□, Natalia Cecoi□
THE INFLUENCE OF SOME HYDROXYL CONTAINING LIGANDS ON THE
POLAROGRAPHIC CATALYTIC CURRENT IN THE SYSTEM Mo(VI) –
POTASSIUM CHLORATE
- PP 162** M. Tcaci, R. Nastas, T. Lupascu
INFRARED AND RAMAN SPECTROSCOPY OF NITROGEN- ACTIVE CARBON
- PP 163** T. Lupaşcu, Nina Tîmbaliuc
STUDY OF DYES ADSORPTION ON CARBONIC ADSORBENTS FROM
INDIVIDUAL SOLUTIONS AND BINARY MIXTURES
- PP 164** T. Lupaşcu, Nina Tîmbaliuc
STUDY OF DYES ADSORPTION FROM INDIVIDUAL SOLUTIONS AND FROM
THEIR MIXTURE WITH PHENOL DERIVATIVES ON ACTIVATED CARBONS
- PP 165** H. Cesiulis, N. Tsyntsaru, A. Budreika, A. Dikusar, J.-P. Celis
TRIBOLOGICAL ASPECTS OF ELECTRODEPOSITED COW COATINGS IN
VIEW OF MEMS APPLICATION
- PP 166** Vasile Gutsanu, Elena Tutovan, Liliana Cojocaru
SORPTION OF NO₂⁻ IONS FROM AQUEOUS SOLUTIONS ON THE SORBENT
MODIFIED WITH Cr(III)
- PP 167** V. Dolghier
INVESTIGATION OF THE PHOTOSTRUCTURAL CHANGES IN
CHALCOGENIDE GLASSES
- PP 168** Gh. Duca, V. Mateevici, M. Gonta, V. Iambartev, L. Mocanu
DECREASE OF THE DIRECT COLORANTS CONCENTRATION IN THE
TEXTILE WASTE WATERS
- PP 169** Gh. Duca, V. Matveevici, M. Gonța, V. Iambartev, T. Isac, L. Mocanu
CATALYTIC OXIDATION OF ACTIVE COLORANTS

- PP 170** V. M. Mukhin, U. Y. Spiridonov, T. G. Lupashku
CARBON-ADSORPTION DETOXICATION OF SOILS, POLLUTED WITH XENOBIOTICS
- PP 171** V. M. Mukhin, I. D. Zubova, N. A. Shubina, I. M. Abramova
NEW ACTIVE CARBONS FOR ALCOHOLIC BEVERAGE INDUSTRY
- PP 172** Oksana Zagurskaya-Sharaevskaya
PROTOLYTICAL PROPERTIES OF THE SODIUM SALT OF THE 4-PHENYLSEMICARBAZONE 1,2-NAPHTHAQUINONE-4-SULFONIC ACID
- PP 173** G. Dyakov, I. I. Molchanova
INFLUENCE OF DEPOSITION CO-W COATINGS TO TUNGSTEN MASS FRACTION IN ALLOYS
- PP 174** I. G. Dyakov, S. A. Kusmanov, A. R. Naumov
DYNAMICS OF 12X18H10T STEEL AND VT1-0 ALLOY DISSOLVING IN THE ANODIC ELECTROLYTIC HEATING
- PP 175** T. L. Mukhacheva, I. G. Dyakov, P. N. Belkin
FEATURES CO-SATURATION OF STRUCTURAL STEELS WITH NITROGEN AND CARBON IN THE ANODE ELECTROLYTE HEATING.

16.00	CLOSING CEREMONY
18.00	CONFERENCE DINNER