ACADEMY OF SCIENCES OF MOLDOVA INSTITUTE OF CHEMISTRY STATE UNIVERSITY OF MOLDOVA INSTITUTE OF APPLIED PHYSICS INSTITUTE OF ELECTRONIC ENGINEERING AND NANOTECHNOLOGIES CHEMICAL SOCIETY OF MOLDOVA

The XVIII-th International Conference

"Physical Methods in Coordination and Supramolecular Chemistry"

(Dedicated to the memory of the professor Constantin Turta and professor Mihail Revenco)



PROGRAM

October 8 – 9, 2015 Chişinău, Moldova

LIST OF SPONSORS



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Victor Tsapkov
Irina Voda

Program Structure

October 7, Wednesday

12:00 – 18:00	Arrival, Registration	Main building of the Academy of Sciences of Moldova, Hall (bld. Stefan cel Mare, 1)
18:00-20:00	Welcome reception	Main building of the Academy of Sciences of Moldova, Golden Hall (bld. Stefan cel Mare, 1)
	October 8, Thursday	
8:00 – 9.00	Registration	
9:00 - 9:10	Opening ceremony	Main building of the Academy of
9:10 - 11:10	Session 1. Plenary Lectures	Sciences of Moldova, Blue Hall
11:10 - 11:30	Coffee break	(bld Stefan cel Mare, 1)
11:30 - 13:00	Session 2. Plenary Lectures	
13:00 – 14:30	Lunch break	Caféteria,
		(bld Stefan cel Mare, 1)
14: 30 – 16:30	Session 3. Plenary Lectures	Main building of the Academy of
		Sciences of Moldova,
17:00 – 21:00	Excursion to Cricova winery	(bld Stefan cel Mare, 1)
	October 9, Friday	
9:00 – 11:00	Session 4. Plenary Lectures	Central Scientific Library "Andrei
11:00 - 11:30	Coffee break	Lupan",
11:30 - 13:00	Session 5. Oral Presentations	Academiei str. 5a
13:00 - 14:30	Lunch break	Café "Crizantema",
		(Academiei str. 1a)
14:30 – 16:10	Working in sections. Oral presentations	

Central Scientific Library "Andrei

Lupan",

(Academiei str. 5a)

Café "Crizantema",

(Academiei str. 1a)

Session 6

Session 7

Coffee break

Poster session

Closing ceremony

Conference dinner

16:10 - 16:30

16:30 - 18:00

18:00

19:00

MESSAGE FROM PRESIDENT OF THE ACADEMY OF SCIENCES OF MOLDOVA

Dear Ladies and Gentlemen, Colleagues and Friends,

It is my great pleasure on behalf of the governing body of the Academy of Sciences of Moldova and the International Advisory Board of the XVIIIth International Conference "Physical Methods in Coordination and Supramolecular Chemistry" to welcome all of you to Chisinau and to wish you interesting lectures and presentations, fruitful discussions and friendly contacts!

It is hard to believe that the Conference is functioning already for more than fifty years. This scientific event has been initiated by the outstanding scientists, chemist academician Anton Ablov, the founder of the school of coordination chemistry in Moldova and physicist academician Tadeusz Malinowski, the founder of the X-ray crystallography in Moldova - one of the most powerful tool for structure elucidation, and has started in September 1962 under the name "Physical and mathematical methods in coordination chemistry". The Conference themes followed all historical events and emerged scientific branches and since 1996 it acts under its present motto, expanding the area of investigation to include supramolecular chemistry as well. This year's conference is dedicated to the brilliant scientist in coordination chemistry of Moldova Prof. C.Turta and Prof. M.Revenco, who brought a great contribution in the development of coordination chemistry in Moldova.

The XXI century opens new opportunities and puts new challenges for the human society. Life security, health protection, renewable energy sources, sustainable use of natural resources, these are just a few of the areas that represent the endless fields for application of scientific achievements. The content of our meeting clearly shows that the representatives of international scientific community gathered here are facing these pressing problems, so all together we are making a transition from unraveling the secrets of Nature to becoming masters of Nature.

PMCSC-XVIII will provide a comprehensive conference experience, with fifteen plenary lectures, thirteen oral presentations and a poster sessions. The main goal is to present novel breakthrough results demonstrating substantial potential for future basic research and technological applications.

I, once again, warmly welcome all the participants of PMCSC-XVIII to Chisinau for the conference that is to be both a scientifically stimulating and socially memorable event. I hope that two days of the Conference will be productive, will create a new impetus for scientific research, so that next time we will meet in three years to discuss new obtained results.

President of the Academy Of Sciences Of Moldova Chairman of the International Advisory Board, Academician Gheorghe Duca

GENERAL INFORMATION

Opening Ceremony and **Plenary Lecture Sessions 1-3** will take place in the main building of the Academy of Sciences of Moldova in the Blue Hall (bd. Stefan cel Mare 1), nearby hotel Chisinau. Sessions **4-7** will take place at the Scientific Library of the Academy of Sciences of Moldova (Academiei str. 5a). These Conference venues are accessible by trolley-buses 3, 7, 9, 10; and micro-buses 107, 109, 120, 188. The destination stop is called DOKUCHYAEV str.

The program comprises 15 Plenary Lectures (30 min) and 13 Oral Presentations - 15-20 min, including time for discussion. Name of presenting Author is underlined. The overhead projector and PC with Power Point facilities will be available for presentations.

Posters session will be organised in the hall of the Scientific Library of the Academy of Sciences of Moldova (Academiei str. 5a). Participants are invited to put their posters on display (posters should not exceed 100 cm in width and 120 cm in height) on Friday, October 9 in the morning. The number on the poster board corresponds to number of presentation in the Book of Abstracts. Authors are requested to be at their posters during Poster Sessions on Friday from 16:30 till 18:00. The Organizers announce the Poster Competition for young scientists at our Conference. The scientific content of Poster and presentation style will be evaluated by the Jury. The best Posters will be awarded.

REGISTRATION DESK

On Wednesday October 7, from 12:00 till 18:00 and on Thursday October 8, from 8:00 till 9:00 Registration/Information Desk will be available in the foyer of the Main building of the ASM, bd. Stefan cel Mare 1. All members of the Organizing Committee and all the hosts are ready to help you in case of any problems or questions.

URBAN TRANSPORT

Trolleybuses, buses, and minibuses are cheap, 2 and 3 MDL (Moldavian lei), respectively. They all operate from 6:00 till 24:00. Tickets for buses and trolleybuses should be purchased on board the vehicle. Minibus tickets are bought from the driver. **Taxis** may be ordered using the following numbers in Chişinău:

14004	(Taxi-Favorit)	14100	(Maestro)	14474	(TaxiCab)
14005	(Avida)	14222	(Meridian)	14499	(Regal)
14008	(TaxiService)	14400	(Municipal)	14999	(Star)
14009	(Diplomat)	14441	(Metro)		

CERTIFICATE OF ATTENDANCE

A Certificate of Attendance will be given to participants, at request, at the Registration Desk upon arrival.

MEALS

Welcome reception will be organized in the Golden Hall of Academy of Sciences (bd. Stefan cel Mare 1). Lunches on Thursday, October 8 and on Friday, October 9 could be served in the cafeteria of the ASM and café "Crizantema" (nearby the Institute of Chemistry). Coffee and tea will be served during coffee breaks between scientific sessions. Several cafeterias are also available in the neighborhood of the Institute of Chemistry.

CONFERENCE PROCEEDINGS

Participants are kindly welcome to contribute with a full paper of their presentation which may be published in the next issue of **CHEMISTRY JOURNAL OF MOLDOVA** (**General, technological and ecological chemistry**). The rules for papers could be received upon request from Editorial office, *Institute of Chemistry, Moldova Academy of Sciences, Str. Academiei, 3, MD-2028, Chişinău, Republic of Moldova, e-mail:* chemjm@gmail.com, *Fax:* +37322 739954; *Phone:* + 37322 725490.

WEATHER

The weather in October in Chişinău is usually pleasant, with temperatures within 15-20°C. However, rain is always possible, so an umbrella, light raincoat and comfortable shoes are advisable. For weather forecast please visit websites: http://weather.yahoo.com or http://www.gismeteo.md.

EXCHANGE

The Moldavian Lei (MDL) is the only legal currency in Moldova. Foreign currency exchange is available at the airport, in banks, in some hotels and in exchange offices. To check the exchange rate, please address to: http://www.bnm.org/en.

LANGUAGE

The official languages of the Conference will be English.

EXCURSION

Conference guests are invited to visit Cricova winery, a very popular attraction for tourists located 15 kilometers north from Chisinau. Famous for its wine cellars, it proposes to earn wine culture, to enjoy the pleasure of Moldovan wines, which are a masterpiece and a work of art. The excursion includes a tour through the largest underground wine cellar in the world, followed by a dinner in the testing hall, where you can to test local wines.

The participants are asked to inform the Registration Desk about their willingness to visit Cricova winery.

WEB

Full information about PMCSC-XVIII, updates on the program can be found at the Conference website: http://chem.asm.md/pmcsc/

SCIENTIFIC PROGRAM

Wednesday October 7

12:00 – 18:00 Arrival, Registration

Address: Main building of the Academy of Sciences of Moldova,

Hall (bld. Stefan cel Mare, 1)

18:00 Welcome reception

Main building of the Academy of Sciences of Moldova,

Golden Hall (bld. Stefan cel Mare, 1)

Thursday October 8

Address: Main building of the Academy of Sciences of Moldova,

Blue Hall (bld. Stefan cel Mare, 1)

8:30 – 9:00 Registration

9:00 – 9:10 Opening ceremony

Academician, Professor **Gheorghe Duca**, President of the Academy of Sciences of Moldova, Chairman of the International Advisory Board

Session 1 Plenary lectures

Address: Main building of the Academy of Sciences of Moldova,

Blue Hall (bld. Stefan cel Mare, 1)

Chairpersons: Prof. G. Duca, Prof. S.M. Aldoshin

L1 THE TRENDS OF COORDINATION CHEMISTRY DEVELOPMENT

9:10 – 9:40 IN THE REPUBLIC OF MOLDOVA

Duca Gheorghe

30 min

30 min

30 min

L2 POLYMERS IN SUPRAMOLECULAR ASSEMBLIES FOR BIO-

9:40 – 10:10 RELATED APPLICATIONS

Bogdan C. Simionescu

L3 POLYFUNCTIONAL NITROSYL IRON COMPLEXES AS A NEW 10:10 – 10:40 CLASS OF NO DONORS FOR MEDICINE, WHICH HAVE

UNUSUAL "ENTANGLED" MAGNETIC AND ELECTRONIC

PROPERTIES

S.M. Aldoshin, N.A. Sanina, A.V. Palii

L4 ACTIVATION OF CHEMICAL AGENTS BY COORDINATION AND 10:40 - 11:10SYNTHESIS OF NEW MATERIALS AS BIOLOGICAL ACTIVE SUBSTANCES, CATALYSTS, ANALYTICAL REACTIVES AND 30 min MOLECULAR MAGNETS **Aurelian GULEA** 11:10 - 11:30Coffee break Session 2 **Plenary lectures** Address: Main building of the Academy of Sciences of Moldova, Blue Hall (bld. Stefan cel Mare, 1) Chairpersons: Prof. Rodolphe Clerac, Prof. Andrew Benniston MOFs FOR CYCLING HEAT TRANSFORMATION PROCESSES L5 11:30 - 12:00 **30** min Christoph Janiak **L6** THE BEAUTY OF COORDINATION POLYMERS 12:00 - 12:3030 min Marius Andruh L7 **BIOINORGANIC CHEMISTRY** APPROACH IN THE 12:30 - 13:00DEVELOPMENT OF TYROSINASE INHIBITORS 30 min Marius Réglier Conference photo, Lunch **13:00 – 14:30** Session 3 **Plenary lectures** Address: Main building of the Academy of Sciences of Moldova, Blue Hall (bld. Stefan cel Mare, 1) Chairpersons: Prof. Aurelian Gulea, Prof. Bogdan Simionescu **L8** PHOTO- AND ELECTRO-ACTIVE MOLECULAR SYSTEMS FOR 14:30 - 15:00 **FUEL PRODUCTION** 30 min Andrew C. Benniston **L9** CHEMICAL SYNTHESIS, NMR CHARACTERIZATION AND 15:00 - 15:30 BIOLOGICAL ASSESSMENT OF TWO STEROIDAL ANTICANCER 30 min AGENTS.

Donald Poirier

L10 15:30 – 16:00 30 min	THE CONCEPT OF ORGANIC ZEOLITE AND ITS PRACTICAL USES
30 mm	Janusz Lipkowski
L11	SMART SYNTHETIC AZAHETEROCYCLES
16:00 - 16:30 30 min	Ionel I. Mangalagiu
17:00 – 21:00	Excursion to Cricova winery
	Friday October 9
Session 4	Plenary lectures
Session 4	Address: Scientific Central Library "Andrei Lupan", Main Lecture Hall (Academiei str. 5a)
	Chairpersons: Prof. Marius Andruh, Prof. Cristoph Janiak
L12 9:00 – 9:30 30 min	MAGNETIC RELAXATION AND INTERACTIONS IN LANTHANIDE COMPLEXES AND CLUSTERS.
30 mm	J. Bartolomé and C. Turta
L13 9:30 – 10:00	OPTICAL AND MAGNETIC MOLECULAR SWITCHES BASED ON METAL-TO-METAL ELECTRON TRANSFER MECHANISM
30 min	Evangelia S. Koumousi, Dmitri Mitcov, Ie-Rang Jeon, Diana Siretanu, Pierre Dechambenoit, Corine Mathonière, and Rodolphe Clérac
L14 10:00 - 10:30 30 min	SUPRAMOLECULAR COMPOUNDS BASED ON THE DINUCLEAR COMPLEX $[MO_2O_2S_2]^{2+}$: FROM SYNTHESIS TO PROPERTIES AND APPLICATIONS
	Sébastien Floquet and Emmanuel Cadot
L15 10:30 – 11:00 30 min	CHIRALITY AND ITS ROLE IN COORDINATION CHEMISTRY – THE JEKYLL AND HYDE BEHAVIOUR OF METAL IONS IN SEPARATING THE LEFT AND RIGHT SIDES OF THE WORLD

Annie K. Powell

11:00 – 11:30	Coffee break
11:00 – 11:50	
Session 5	Address: Central Scientific Library "Andrei Lupan", Main Lecture Hall (Academiei str. 5a) Oral presentations Study of coordination compounds in the solid state and in solution by EPR, NMR, Mössbauer, laser and X-ray spectroscopy.
	Chairpersons: Prof. Janusz Lipkowski, Prof. Masahiro Mikuriya
L16 11:30 – 12:00 30 min	COMBINED TIME-REVERSAL TRANSFORMATION IN MAGNETIC DIMER CLUSTERS OF COORDINATION COMPOUNDS Ion I. Geru
O1 12:00 – 12:20 15 min	X-RAY STUDY ON THE STRUCTURAL, MAGNETIC AND CATALYTIC PROPERTIES OF FEPC FILMS F. Bartolomé and J. Bartolomé
O2 12:20 – 12:40 15 min	POROUS STRUCTURES GENERATED BY CLUSTER BASED POLYMERS OR DISCRETE BINUCLEAR Co(III) BISDIOXIMATES V. Ch. Kravtsov, G. Duca
O3 12:40 – 13:00 15 min	PREPARATION OF MIXED-OXIDE MATERIALS FROM HETEROMETALLIC COORDINATION COMPOUNDS I. Bulimestru, Olivier Mentre, Nathalie Tancret, N. Cornei, S. Sova, N. Popa, A. Gulea
13:00-14-30	Lunch Address: Café "Crizantema", Academiei str. 1a, nearby Institute of Chemistry
Session 6	Oral presentations Magnetochemistry and single-molecule magnets (SMMs)
	Central Scientific Library "Andrei Lupan", Main Lecture Hall (Academiei str. 5a) Chairpersons: Prof. Ionel Mangalagiu, Prof. Juan Bartolomé
O4 14:30 – 14:50 15 min	TEM and SEM DIFFRACTION METHODS IN THE STUDY OF COORDINATION AND SUPRAMOLECULAR COMPOUNDS

Sharali Malik
 O5 RATIONAL DESIGN OF SINGLE MOLECULE MAGNETS WITH 14:50 – 15:10 THIOSEMICARBAZONE LIGANDS

 O. Palamarciuc, M. Secu, T. Palamarciuc, E. Stratulat, S. Sova, R. Clerac

O6 15:10 -15:30 15 min SYNTHESIS, CRYSTAL STRUCTURE, AND PROPERTIES OF COPPER(II) COMPLEXES WITH 1,4,7-TRIS(2-AMINOETHYL)-1,4,7-TRIAZACYCLONONADECANE

Masahiro Mikuriya, Mayu Hamagawa, Natsuki Tomioka, Daisuke Yoshioka, Naoko Uehara, Rika Fujimori, Hiroki Yamamoto, Yoshinari Ando, Shoichi Hori, Taro Kuriyama, Ryoji Mitsuhashi, and Makoto Handa

O7 15:30 – 15:50 15 min AN EXPERIMENTAL AND THEORETICAL INVESTIGATION ON PENTA-COORDINATED COBALT(III) COMPLEXES WITH AN INTERMEDIATE S = 1 SPIN STATE: HOW HALIDE LIGANDS AFFECT THEIR MAGNETIC ANISOTROPY.

Brazzolotto,D.; Gennari,M.; Yu, S.; Pécaut, J.; Rouzières, M.; Clérac, R.; Duboc, C.; Orio, M.

O8 15:50 – 16:10 15 min METAL COMPLEXES WITH LIGANDS CONTAINING DIMETHYLSILOXANE UNITS: SELF-ASSEMBLING ABILITY Maria Cazacu, Alina Soroceanu, Mirela Zaltariov

Session 7 Oral presentations

Relationship structure – property for the coordination compounds with the library of useful properties (bioactive compounds, materials for molecular electronics, nanomaterials).

Central Scientific Library "Andrei Lupan", Small Lecture Hall (Academiei str. 5a)

Chairpersons: Prof. Marius Reglier, Prof. Donald Poirier

O9 14:30 – 14:50 15 min MEDICAL DIAGNOSIS AND OTHER NMR SPECTROSCOPY APPLICATIONS TO NATURAL MIXTURES

Alina Nicolescu, Natalia Uşurelu, Romana Vulturar, Calin Deleanu

O10 14:50 – 15:10 15 min RING PUCKERING PHENOMENA. PSEUDO JAHN-TELLER ORIGIN OF TWISTING IN $N_2C_4H_2Y_2Z_2$ (Y= O, S, Se; Z= H, F, Cl, Br) HETEROCYCLES

Natalia N. Gorinchoy¹ and Ali Reza Ilkhani

O11 THE BREAKING SYMMETRY PHENOMENA IN
15:10 – 15:30 PHENOTHIAZINE DRUG AND ITS DERIVATIVES
15 min Ali Reza Ilkhani

MÖSBAUER SPECTROSCOPY OF IRON COMPONDS IN THE **O12** 15:30 - 15:50 IONIC CROSS-LINKED POLYMERS 15 min Vasile Gutsanu 013 FERROCENYLSILOXANE UREA: SYNTHESIS, STRUCTURE AND 15:50-16:10 **PROPERTIES** 15 min Mihaela Dascalu, Mihaela Balan, Sergiu Shova, Carmen Racles, Maria Cazacu 16:30 - 18:00Poster session Central Scientific Library "Andrei Lupan", Entrance Hall (Academiei str. 5a) Dr. Sebastien Floquet, Dr. Victor Kravtsov, Dr. Vasile Lozan Poster jury 18:00 Closing ceremony: concluding remarks, awarding the winners of Poster competition Address: Scientific Central Library "Andrei Lupan", Main Lecture Hall (Academiei str. 5a) 19:00 **Conference dinner** Address: Café "Crizantema", Academiei str. 1a, nearby the Institute of Chemistry

Friday, October 9

Poster session

AND PROPERTIES

Alexandru Ciocârlan, Calin Deleanu

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P3

Angelica Vlad, Mirela-Fernanda Zaltariov, Maria Cazacu, Sergiu Shova
 P2 NMR METABOLIC FINGERPRINTING OF SOME PLANTS AND FRUITS
 Alina Nicolescu, Mihaela Balan, Mihaela Ciobanu, Cristina Stavarache, Gabriela
 Ailiesei, Doina Dănilă, Camelia P. Ștefanache, Mihaela Silion, Ana-Maria Macsim,

STRUCTURAL INSIGHTS INTO THE ZINC-MEDIATED ACTIVITY OF POLYPYRIDINECHELATORS AT THE CHEMOKINE RECEPTOR CCR5

Roxana-Maria Amarandi, Stefanie Karlshøj, Mette Marie Rosenkilde, Aurel Pui

2D MANGANESE(II) NETWORKS BASED ON V-SHAPED BIS(P-CARBOXYPHENYL)DIPHENYLSILANE: SYNTHESIS, STRUCTURES

P4 NEW INHIBITORS OF GLYCATION AND OF THE FORMATION OF ADVANCED GLYCATION END PRODUCTS

Andronache Lilia, Gudumac Valentin, Gulea Aurelian, Tagadiuc Olga, Garbuz Olga, Pantea Valeriana

P5 MOLECULAR DYNAMICS SIMULATIONS AND SMALL ANGLE X-RAY SCATTERING ANALYSIS OF DIFERRIC HUMAN LACTOFERRIN IN SOLUTION

Lilia Anghel, Raul Victor Erhan, Duca Gheorghe

P6 SYNTHESIS OF $\Delta^{8,9}$ - BICYCLOHOMOFARNEZENIC ACID HYDRAZIDE FROM NORAMBREINOLIDE

A.N. Aricu, K.I. Kuchkova, A.N. Barba, E.C. Gorincioi, I.P.Dragalin, N.D.Ungur, P.F.Vlad

P7 SYNTHESIS OF 11-DIHOMODRIMAN-8α-OL-12-ONE DERIVATIVES WITH AZINE AND HYDRAZIDE FRAGMENTS

A.N. Aricu, K.I. Kuchkova, A.N. Barba, E.C. Gorincioi, I.P.Dragalin, N.D. Ungur, P.F.Vlad

P8 DFT STUDY OF TRANSITION STATES AND PRODUCTS OF RADICAL REACTION HO₂• + HO₂•

Ion Arsene and Natalia Gorinchioy

P9 SYNTHESIS AND CRYSTAL STRUCTURE OF CHLORO-(2-FORMYLPYRIDINE-THIOSEMICARBAZONO)COPPER DIMETHYL SULFOXIDE SOLVATE.

N.Bairac, P. Petrenko, Yu. Chumakov, A. Gulea

P10 QUANTUM-CHEMICAL CALCULATIONS AND MECHANISTIC CONSIDERATIONS OF THE ORGANOCATALYTIC DESTRUCTION OF POLYETHYLENE TEREPHTALATE (PET)

<u>Emeric Bartha</u>, Sorana Ionescu, Simona Nica, Anamaria Hanganu, Mihai Deleanu, Monica Duldner, Stela Iancu

P11 STUDY OF MAGNETIC AND ANTIOXIDATIVE PROPERTIES OF SOME BIOMETAL COORDINATION COMPOUNDS OF 0-VANILLIN ISONICOTINOYLHYDRAZONE

A. Gulea, V. Tsapkov, M. Birca, A. Cotovaia, V. Gudumac, O. Garbuz, I. Petcenco, E. Malic

P12 SYNTHESIS, STRUCTURE, AND ANTITUBERCULOUS PROPERTIES OF COPPER COORDINATION COMPOUNDS WITH 2-HYDROXY-3-METHOXYBENZALDEHYDE ISONICOTINOYLHYDRAZONE

A. Gulea, V. Tsapkov, M. Birca, A. Cotovaia, V. Crudu, S. Eftodii, E. Malic

P13 NEW USES OF BIOACTIVE PHYTOCOMPOUNDS DEPENDING ON MOLECULAR STRUCTURE

<u>Bobeică Valentin,</u> Covaliov Victor, Albert Ivancic, Nenno Vladimir, Olga Covaliova

P14 INHIBITION OF STEEL CORROSION IN NATURAL WATER BY CARBOHYDRAZIDE

Bologa O. A., Parshutin V.V., Sholtojan N.S., Koval' A.V., Chernysheva N.V., Bulhac I.

P16	HEXAMMINECOBALT(III) COMPLEX AS MULTIPLE HYDROGEN BOND DONOR AND ANION RECEPTOR I. Radu, P. Bourosh, J. Hauser, V. Kravtsov, S. Decurtins, SX. Liu, S. G. Baca
P17	SYNTHESIS, STRUCTURE AND SPECTROPHOTOMETRIC PROPERTIES OF PALLADIUM(II) 8-QUINOLINALDEHYDE N(4)-(2,4,6)-TRIMETHYLPHENYLTHIOSEMICARBAZONE P. Bulmaga, P. Bouroş, A. Sîrbu, I. Corja, T. Cazac
P18	STRUCTURE OF ONE-DIMENSIONAL COORDINATION POLYMER CATENA- {BIS[CADMIUM(II)(SUCCINATE)BIS(HYDROSUCCINATE)} TETRA(NICOTINAMIDE)]} Diana Chisca, Eduard B. Coropceanu, Lilia Croitor, Marina S. Fonari
P19	Cu(II) COORDINATION POLYMERS WITH PICOLINIC ACID AND BIPYRIDINE LIGANDS Diana Chisca, Eduard B. Coropceanu, Lilia Croitor, Svetlana G. Baca, Karl Krämer, Shi-Xia Liu, Silvio Decurtins, Marina S. Fonari
P20	COORDINATION COMPOUNDS OF Zn AND Mo WITH MACROCYCLIC LIGANDS DERIVED FROM 2.6-DIFORMYL-4-METHYLPHENOL AND THEIR BIOLOGICAL PROPERTIES Deseatnic- Ciloci A.A., Bulhac I.I., Bologa O.A., Tiurin J.P., Clapco S.F., Bivol C. M., Dvornina E.G., Labliuc S.V.
P21	NEW ANTIFUNGAL AND ANTIBACTERIAL ACTIVITIES OF LAGOCHILIN AND ITS DERIVATIVES Alexandru Ciocarlan, Magdalena Stroncea, Aculina Aricu, Lidia Lungu, Nicoleta Vornicu and Michele D'Ambrosio
P22	NEW NICKEL(II) COORDINATION COMPOUND BAZED ON NICOTINOYL AND ISONICOTINOYL HYDRAZONES Maria Cocu, Cristina Balan, Ion Bulhac
P23	SYNTHESIS AND STRUCTURAL CHARACTERIZATION OF PRODUCTS OF SUBSTITUTION IN SOME AZIDE-CONTAINING Co(III)

AN OXO-BRIDGED HEXANUCLEAR IRON(III) CLUSTER: SYNTHESIS,

Olga I. Botezat, Jan van Leusen, Victor Ch. Kravtsov, Paul Kögerler, Svetlana G.

STRUCTURE AND PROPERTIES

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Baca

DIOXIMATES

THIOSEMICARBAZONES

P24

A. Gulea, V. Tsapkov, <u>A. Cotovaia</u>, O. Garbuz, A. Anachii, V. Gudumac

P25

COORDINATION COMPOUNDS OF COBALT, NICKEL, AND COPPER OF SOME 1,3-DIPHENYLPYRAZOLE-4-CARBALDEHYDE

BIS-(4-(PYRID-2-YL)THIOSEMICARBAZONE)

A. Gulea, V. Tsapkov, <u>A. Cotovaia</u>, O. Garbuz, V. Graur, A. Nicolenco, Ia. Gutsu, V. Gudumac

E. Coropceanu, O. Bologa, I. Arsene, I. Bulhac, N. Gorincioi, A. Vitiu, P. Bourosh

SYNTHESIS, STRUCTURE, AND ANTIOXIDANT ACTIVITY OF SOME BIOMETAL COORDINATION COMPOUNDS OF PENTANE-2,4-DIONE

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- P126 A NEW METHOD OF CYANCOBALAMIN (VITAMIN B₁₂) PRODUCTION AND ITS PRACTICAL USES

 Covaliova Olga, Covaliov Victor, Duca Gheorghe, Nenno Vladimir, Bobeica Valentin
- P127 SUPRAMOLECULAR ENSEMBLE CONTAINING DINUCLEAR AMINE-THIOLATE COMPLEXES AND ORGANIC COMPONENTS Vasile Lozan
- P128 SYNTHESIS AND STUDY OF A NEW Co(II) MOF USING RIGIDE LIGANDS

 Vadim Druta, Irina Voda, Polina Bourosh, Victor Kravtsov, Vasile Lozan

PMCSC-XVIII SOCIAL EVENTS

Wednesday, October 7

18:00 Welcome reception for all participants and accompanying persons.

Main building of the Academy of Sciences of Moldova, Golden Hall, (bld Stefan cel Mare, 1)

(included in the fee)

Thursday, October 8

17:00 Excursion to *Cricova* winery.

Coach departs from the Main building of the Academy of Sciences of Moldova, bld Stefan cel Mare, 1

(50 Euro per person)

Friday, October 9

19:00 Conference dinner in Cafee 'Crizantema', Academiei str. 1A, nearby Institute of Chemistry

(included in the fee)