

**Academy of Sciences of Moldova
Institute of Chemistry
Institute of Applied Physics
State University of Moldova
Institute of Physical Chemistry Polish Academy of Sciences
Chemical Society of Moldova**

**The XVII-th International Conference
"Physical Methods in Coordination
and Supramolecular Chemistry"**



PROGRAM

Chişinău, Moldova, October 24 – 26, 2012

LIST OF SPONSORS



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Program Structure

	October 24, Wednesday	Address:
12:00 – 18:00	Arrival, Registration	<i>Institute of Chemistry of the Academy of Sciences of Moldova, entrance hall Academiei str. 3</i>
18:00	Welcome party	<i>Café “Crizantema”, Academiei str. 1a, nearby Institute of Chemistry</i>
	October 25, Thursday	
8:00 – 9:00	Registration	<i>Main edifice of the Academy of Sciences of Moldova, bld Stefan cel Mare, 1</i>
9:00 – 9:30	Opening ceremony	
9:30 – 11:00	Session 1. Plenary Lectures	
11:00 – 11:30	Coffee break	
11:30 – 13:30	Session 2. Plenary Lectures	
13:00 – 15:00	Lunch break	<i>Café “Crizantema”, Academiei str. 1a, nearby Institute of Chemistry</i>
15:00 – 16:40	Working in sections. Section Talks T4: Session 3 T1/T2: Session 4	<i>Scientific Central Library “Andrei Lupan”, Academiei str. 5a</i>
16:40 – 17:00	Coffee break	
17:00 – 18:30	Poster session 1	
	October 26, Friday	
9:00 – 11:00	Session 5. Plenary Lectures	<i>Scientific Central Library “Andrei Lupan”, Academiei str. 5a</i>
11:00 – 11:30	Coffee break	
11:30 – 13:30	Session 6. Plenary Lectures	<i>Café “Crizantema”, Academiei str. 1a, nearby Institute of Chemistry</i>
13:30 – 15:00	Lunch break	
15:00 – 16:40	Working in sections. Section Talks T1: Session 7 T3: Session 8	<i>Scientific Central Library “Andrei Lupan”, Academiei str. 5a</i>
16:45 – 18:15	Poster session 2	
18:15	Closing ceremony	<i>Café “Crizantema”, Academiei str. 1a, nearby Institute of Chemistry</i>
19:00	Conference dinner	

The XVII-th International Conference
"Physical Methods in Coordination and Supramolecular Chemistry" (PM CSC –XVII)

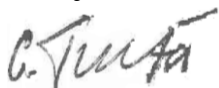
**is being held at Institute of Chemistry, Academy of Sciences of Moldova, Chisinau,
from Wednesday October, 24 to Friday October, 26 2012**

Message from Chairman:

On behalf of the Organizers of the XVII-th Conference "Physical Methods in Coordination and Supramolecular Chemistry", I would like to express my hearty welcome to all of you gathered here in Chisinau, Moldova again.

Since 1962, the Conference soundly grows to be the widely known international scientific event thanks to the contribution of excellent scientists and fruitful active discussions. It is gratifying to note that the agenda of the Conference covers interesting items relating to the physical methods in chemistry as well as the chemical properties of a wide range of coordination and supramolecular compounds, and traditionally is organized around the following topics: (i) study of coordination compounds in the solid state and in solution by EPR, NMR, Mössbauer, laser and X-ray photoelectron spectroscopy; (ii) diffraction methods; (iii) structure – property relationship for compounds with useful properties; and (iv) magnetochemistry and single-molecule magnets. Our two-day intensive Conference gives opportunities for both senior and junior scientists from Europe, Asia, and America, provides a basis for an international collaboration, and allows to make new friendship or to deepen the friendship with scientists from other countries.

The Organizing Committee sincerely wishes all participants to enjoy the XVII-th Conference and the city of Chisinau. Finally, I would like to express warm thanks to all the people who find the possibilities to join us and who have worked for this Conference success.



Constantin Turtă

Contents:

- Introduction
- General Information
- Scientific Program
- Social Program

GENERAL INFORMATION

Opening Ceremony and **Session 1** and **Session 2** will take place at the main building of the Academy of Sciences of Moldova in the Main Lecture Hall (bld Stefan cel Mare 1, nearby hotel Chisinau, vis-a-vis hotel National). All other Sessions will take place in the Scientific Central Library “Andrei Lupan” (Academiei str. 5A). **Sessions 4, 5, 6 & 8** will take place in the Lecture Hall 1 (large) and **Sessions 3 & 7** in the Lecture Hall 2 (small). These Conference venues are accessible by trolley-buses 3, 7, 9, 10, 20; and micro-buses 102, 107, 109, 110, 120, 155, 188. The destination stop is called DOKUCHYAEV str.

The program comprises 16 Plenary Lectures (L) 30 min and 20 Section Oral Presentations (O) 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 constitute an integral part of the Conference with plenty of time for viewing and discussion in the foyer of the Scientific Central Library “Andrei Lupan” (Academiei str., 5A). Participants are invited to put their posters on display (posters should not exceed 90 cm in width and 100 cm in height) Thursday, October 25, and Friday, October 26 during the lunch time. 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 Thursday from 17:00 till 18:30 and Friday evening from 16:45 till 18:15.

The Organizers announce the **Poster Competition** for young scientists at our Conference. The Poster scientific content and presentation style will be evaluated by the Grand Jury. **Three best Posters will be awarded.**

REGISTRATION DESK

On Wednesday October 24, from 12:00 till 18:00 in the Institute of Chemistry of the Academy of Sciences of Moldova, entrance hall Academiei str., 3 and on Thursday October 25, from 8:00 till 9:00 Registration/Information Desk will be available in the foyer of the Main building of the ASM, bld 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.

BADGES

Participants are invited to wear a name badge given at the Registration Desk at all time during the meeting. For ease of identification the following color scheme has been chosen:

Participants.....	white
Organizing Committee.....	green
Accompanying Guests.....	pink
Hosts.....	yellow

URBAN

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:

14 004 (Taxi-Favorit)	14 100 (Maestro)	14 474 (TaxiCab)
14 005 (Avida)	14 222 (Meridian)	14 499 (Regal)
14 008 (TaxiService)	14 400 (Municipal)	14 999 (Star)
14 009 (Diplomat)	14 441 (Metro)	

CERTIFICATE OF ATTENDANCE

A Certificate of Attendance will be given to each participant at the Registration Desk upon arrival.

MEALS

Welcome party (included in the fee) and lunches (\$5 USD) for all participants will be served in the café “*Crizantema*” (nearby Institute of Chemistry). The participants may buy lunch tickets upon registration. Coffee and tea will be served during coffee breaks between scientific sessions. Number of cafeterias is also available in the neighborhood of the Institute of Chemistry.

CONFERENCE PROCEEDINGS

All participants are kindly welcome to contribute to the special 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@asm.md, chemjm@gmail.com, Fax: +37322 739954; Phone: + 37322 725490. Deadline for the submission of papers for this issue is December 1st, 2012.

WEATHER

The weather in October in Chişinău is usually pleasant, with temperatures within 10-15°C. However, rain is always possibility, so an umbrella, light raincoat and comfortable shoes are advisable. For weather forecast please visit websites: <http://weather.yahoo.com>; <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 language of the Conference will be English.

WEB

Full information about PMCSC-XVII, updates on the program can be found at the Conference website: <http://chem.asm.md/pmcs>; the rooms in the hotel "Vila Verde" may be booked directly: <http://vila-verde.md/?lang=en>, or in any hotel of the city: <http://www.turism.gov.md/>; <http://www.allmoldova.com/hotels/hotels.html>; http://www.moldovatur.md/eng/moldova_hotels/; to book an excursion please address to: travel@moldova.org

SCIENTIFIC PROGRAM

Wednesday October 24

- 12:00 – 18:00** **Arrival, Registration**
 Address: Institute of Chemistry of the Academy of Sciences of Moldova, entrance hall (Academiei str., 3)
- 18:00** **Welcome party**
 Café “Crizantema”, Academiei str. 1a, nearby Institute of Chemistry

Thursday October 25

	<i>Address: Main edifice of the Academy of Sciences of Moldova, Main Lecture Hall (bld Stefan cel Mare, 1)</i>
8:30 – 9:00	Registration
9:00 – 9:30	Opening ceremony
	<ul style="list-style-type: none"> Academician, Professor Constantin Turta, Institute of Chemistry of the Academy of Sciences of Moldova, Chairman of Organizing Committee Academician, Professor Gheorghe Duca, President of the Academy of Sciences of Moldova, Chairman of the International Advisory Board Corr. member, Professor Janusz Lipkowski, Polish Academy of Sciences, Co-Chairman of the International Advisory Board
Session 1	Plenary lectures <i>Address: Main edifice of the Academy of Sciences of Moldova, Main Lecture Hall (bld Stefan cel Mare, 1)</i>
	Chairpersons: Acad. Bogdan Simionescu , Prof. Mihail Revenco
L1 9:30 – 10:00 30 min	SUPRAMOLECULAR APPROACHES IN THE QUEST FOR IMPROVED MOLECULAR MAGNETS <i>Annie Powell, Institute of Inorganic Chemistry, Karlsruhe Institute of Technology, Karlsruhe, Germany</i>
L2 10:00 – 10:30 30 min	NOVEL TRANSITION METAL MATERIALS FOR ELECTRONICS BASED ON THE PSEUDO JAHN-TELLER EFFECT <i>I. B. Bersuker, Institute for Theoretical Chemistry, The University of Texas at Austin, Austin, Texas, USA, & Institute of Chemistry, ASM, Chisinau, Republic of Moldova</i>
L3 10:30 – 11:00 30 min	POROUS WATER – THE STRUCTURE OF HYDROPHOBIC HYDRATION <i>Janusz Lipkowski, Institute of Physical Chemistry, Polish Academy of Sciences, Warszawa, Poland</i>
11:00 – 11:30	Coffee break
	<i>Address: Main edifice of the Academy of Sciences of Moldova, Main Lecture Hall (bld Stefan cel Mare, 1)</i>
Session 2	Plenary lectures
	Chairpersons: Prof. Andrea Caneschi , Prof. Vladimir Arion

L4 11:30 – 12:00 30 min	PHYSICO-INORGANIC COORDINATION CHEMISTRY S.V. Volkov, V.I. Vernadskii Institute of General and Inorganic Chemistry of the Ukrainian National Academy of Sciences, Kyiv, Ukraine
L5 12:00 – 12:30 30 min	HIGHLY UNQUENCHED ORBITAL MOMENT IN Fe PHTHALOCYANINE. J. Bartolomé, Instituto de Ciencia de Materiales de Aragón. Departamento de Materia Condensada. CSIC-University of Zaragoza, Zaragoza, Spain
L6 12:30 – 13:00 30 min	NEW NON-PLATINUM COMPOUNDS WITH STRONG ANTICANCER ACTIVITY Aurelian Gulea, Moldova State University, Chisinau, Republic of Moldova
L7 13:00 – 13:30 30 min	STRUCTURAL DISTORTIONS IN COORDINATED AND ADSORBED MOLECULES INDUCED BY THE JAHN-TELLER, PSEUDO JAHN-TELLER AND RENNER-TELLER EFFECTS Gorinchoy N.N., Institute of Chemistry, Academy of Sciences of Moldova, Chisinau, Republic of Moldova
13:30 – 15:00	Conference photo, Lunch Café “Crizantema”, Academiei str. 1a, nearby Institute of Chemistry

	Address: Scientific Central Library “Andrei Lupan”, Small Lecture Hall (Academiei str. 5a)
Session 3	Section talks: Magnetochemistry and single-molecule magnets (SMMs)
	Chairpersons: Prof. Aurelian Gulea, Prof. Rodolphe Clérac
O1 15:00 – 15:20 20 min	UNCONVENTIONAL MAGNETISM OF SELECTED ANION-RADICAL SALTS BASED ON TCNQ MOLECULES A. Feher ¹ , M. Botko ¹ , M. Kajňaková ¹ and V. A. Starodub ² ¹ Institute of Physics, Faculty of Science, Pavol Jozef Šafárik University, Kosice, Slovakia, ² V.N. Karazin Kharkiv National University, Kharkiv, Ukraine
O2 15:20 – 15:40 20 min	PHOTOMAGNETISM IN ELECTRON-TRANSFER COMPOUNDS Corine Mathonière, ¹ Kim Dunbar, ² S. M. Holmes, ³ Rodolphe Clérac ⁴ , ¹ CNRS, Université de Bordeaux, Institut de Chimie de la Matière Condensée de Bordeaux, Cedex, France. ² Texas A&M University, College Station, USA. ³ Department of Chemistry and Biochemistry, University of Missouri, Saint-Louis, USA. ⁴ CNRS, Université de Bordeaux, Centre de Recherche Paul Pascal, Pessac, France
O3 15:40 – 15:55 15 min	FORMATION OF POLYNUCLEAR HOMO- AND HETEROVALENT MANGANESE(II,III) PIVALATE-PHOSPHONATE COMPOUNDS: STRUCTURE AND MAGNETIC PROPERTIES Nataliya P. Burkovskaya ¹ , Gregory G. Aleksandrov ¹ , Mikhail A. Kiskin ¹ , Artem S. Bogomyakov ² , Vadim V. Minin ¹ , Nikolay N. Efimov ¹ , Igor L. Eremenko ¹ , ¹ N.S. Kurnakov Institute of General and Inorganic Chemistry, Russian Academy of Sciences, Moscow, Russian Federation. ² International Tomography Center, Siberian Branch of the Russian Academy of Sciences, Novosibirsk, Russian Federation
O4 15:55 – 16:10 15 min	MANGANESE – PROMOTED OXIDATIVE DIMERIZATION OF THE SALICYLALDEHYDE THIOSEMICARBAZONE: STRUCTURE AND MAGNETIC STUDIES O. Palamarciuc ¹ , R. Clérac ³ , M. Revenco ¹ , P. Bourosh ⁴ , V.Ch. Kravtsov ⁴ , ¹ State University of Moldova, Chisinau, Moldova, ² CNRS, Centre de Recherche Paul Pascal

	(CRPP), Equipe "Matériaux Moléculaires Magnétiques", Pessac, F-33600, France, ³ Université de Bordeaux, Pessac, France, ⁴ Institute of Applied Physics ASM, Chisinau, R. Moldova
O5 16:10 – 16:25 15 min	SYNTHESIS AND CHARACTERIZATION OF NEW METALLIC COMPLEXES OF THE SCHIFF BASE DERIVED FROM 2,6-DIFORMYL-4-METHYLPHENOL Mihaela Alexandru, Maria Cazacu, Sergiu Shova, Constantin Turta, "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania
O6 16:25 – 16:40 15 min	POLYFUNCTIONAL ADAMANTANE SCAFFOLDS IN THE DESIGN OF METAL-ORGANIC FRAMEWORKS Ganna A. Senchyk, Andrey B. Lysenko, Konstantin V. Domasevitch, Taras Shevchenko National University of Kyiv, Inorganic Chemistry Department, Kyiv, Ukraine
16:40	Close of session
16:40 – 17:00	Coffee break
17:00 – 18:30	Poster session 1 Posters 1-50 Address: Scientific Central Library "Andrei Lupan", Entrance Hall (Academiei str. 5a)

	Address: Scientific Central Library "Andrei Lupan", Large Lecture Hall (Academiei str. 5a)
Session 4	Section talks: Study of coordination compounds in solid state and in solution by EPR, NMR, Mossbauer, laser and X-ray photoelectron spectroscopy; Diffraction methods in study of coordination and supramolecular compounds
	Chairpersons: Corr. member Mikhail Antipin , Prof. Tudor Lupascu
O7 15:00 – 15:20 20 min	MÖSSBAUER SPECTROSCOPY A POWERFUL TOOL FOR INVESTIGATION OF EXTERNALLY INDUCED EFFECTS IN THE CO-ORDINATION COMPLEXES George Filoti, National Institute for Materials Physics, Bucharest- MAGURELE, Romania
O8 15:20 – 15:40 20 min	DFT AND PHOTOELECTRON SPECTROSCOPY INVESTIGATION OF CR(ACAC)₃ AND IT SULFENYLCHLORIDE γ-SUBSTITUTED Osmushko I. S., Yashin V. A., Vovna V. I., Zolotukhina A. V., Shurygin A. V., FEFU, Vladivostok, Russia
O9 15:40 – 16:00 20 min	MOLECULAR ASSEMBLY IN DINUCLEAR METAL CARBOXYLATES Masahiro Mikuriya ¹ and Makoto Handa ² , ¹ Department of Chemistry and Open Research Center for Coordination Molecule-based Devices, School of Science and Technology, Kwansei Gakuin University, 2-1 Gakuen, Sanda 669-1337, Japan, ² Department of Chemistry, Interdisciplinary Graduate School of Science and Engineering, Shimane University, 1060 Nishikawatsu, Matsue 690-8504, Japan
O10 16:00 – 16:20 20 min	XANES AND XPS STUDY OF THE ELECTRONIC STRUCTURE OF ELECTROCATALYTICALLY ACTIVE COBALT(I) CAGE COMPLEXES AND THEIR CLATHROCHELATE COBALT(II)- AND COBALT(III)-CONTAINING PRECURSORS AND ANALOGS Dmitry Kochubey ¹ , Vasiliy Kaichev ¹ , Andrey Saraev ¹ , Stefania Tomy ² , Igor Fritsky ² , Alexander Belov ³ , Yan Voloshin ³ , ¹ Boreskov Institute of Catalysis SB RAS, Novosibirsk, Russia, ² Kyiv National Taras Shevchenko University, Kyiv, Ukraine, ³ Nesmeyanov

	<i>Institute of Organoelement Compounds RAS, Moscow, Russia</i>
O11 16:20 – 16:40 20 min	THE HISTORY OF EPR INVESTIGATION IN MOLDOVA: 50 YEARS FROM THE FIRST PUBLICATION <i>I. I. Geru, Institute of Chemistry, Academy of Sciences of Moldova, Chisinau, Moldova</i>
16:40	Close of session
16:40 – 17:00	Coffee break
17:00 – 18:30	Poster session 1 Posters 1-50 <i>Address: Scientific Central Library “Andrei Lupan”, Entrance Hall (Academiei str. 5a)</i>
Poster jury	Dr. Ionel. I. Mangalagiu, Prof. Andrew Benniston, Dr. Natalia Gorinchoy

Friday October 26

	<i>Address: Scientific Central Library “Andrei Lupan”, Main Lecture Hall (Academiei str. 5a)</i>
Session 5	Plenary lectures
	Chairpersons: Prof. Alexander Feher , Acad. Serhiy Volkov
L8 9:00 – 9:30 30 min	MAGNETISM OF MOLECULES, FROM THE BULK TO THE NANOSCALE <i>Andrea Caneschi, Matteo Mannini, Roberta Sessoli, Department of Chemistry and INSTM Research Unit of the University of Firenze, Sesto Fiorentino, Italy</i>
L9 9:30 – 10:00 30 min	FROM SIMPLE ORGANIC MOLECULES TO SUPRAMOLECULAR STRUCTURES <i>Bogdan Simionescu,^{1,2} “Petru Poni” Institute of Macromolecular Chemistry of Romanian Academy, Iasi, Romania, ²Department of Natural and Synthetic Polymers, “Gheorghe Asachi” Technical University of Iasi, Romania</i>
L10 10:00 - 10:30 30 min	CONTROLLING ELECTRON TRANSFER IN CYANIDO-BRIDGED COMPLEXES: FROM SOLID STATE TO SOLUTION <i>Rodolphe Clérac^{1,2}, ¹CNRS, UPR 8641, Centre de Recherche Paul Pascal (CRPP), Equipe “Matériaux Moléculaires Magnétiques”, Pessac, F-33600, France, ²Université de Bordeaux, UPR 8641, Pessac, F-33600, France</i>
L11 10:30 – 11:00 30 min	MONITORING THE REACTIVITY OF THE COORDINATED THIOSEMICARBAZONES USING PHYSICAL METHODS <i>Mihail Revenco, State University of Moldova, Chisinau, Republic of Moldova</i>
11:00 – 11:30	Coffee break
	<i>Address: Scientific Central Library “Andrei Lupan”, Main Lecture Hall (Academiei str. 5a)</i>
Session 6	Plenary lectures
	Chairpersons: Corr. member Janusz Lipkowski , Prof. Masahiro Mikuriya

L12 11:30 – 12:00 30 min	MODERN OPPORTUNITIES OF THE X-RAY DIFFRACTION ANALYSIS OF CRYSTALS IN THE STUDY OF CHEMICAL BONDING IN COORDINATIVE AND SUPRAMOLECULAR SYSTEMS: PAST AND FUTURE <i>M.Yu. Antipin, Institute of Organoelement Compounds (INEOS), Russian Academy of Sciences, Moscow, Russia</i>
L13 12:00 – 12:30 30 min	CRYSTAL GRINDING AND DISSOLVING: SPIN CROSSOVER IN THE COBALT(II) CAGE COMPLEXES AND THEIR BRIGHT FUTURE AS PARAMAGNETIC TAGS <i>Yan Voloshin, Alexander Belov, Alexander Pavlov, Valentin Novikov, Nesmeyanov Institute of Organoelement Compounds RAS, Moscow, Russia</i>
L14 12:30 – 13:00 30 min	PECULARITIES OF THE MAGNETIC PROPERTIES OF COORDINATION COMPOUNDS CAUSED BY TIME-REVERSAL SYMMETRY <i>I.I. Geru, Institute of Chemistry of the Academy of Sciences of Moldova, 3 Academiei str., Chisinau, Moldova</i>
L15 13:00 – 13:30 30 min	NEW CLUSTERS, METAL-ORGANIC POLYMERS AND SUPRAMOLECULAR COMPOUNDS USING THE TRADITIONAL AND SILOXANE LIGANDS <i>Turta C.^{1,2}, Cazacu M.², Shova S.² ¹Institute of Chemistry of the Academy of Sciences of Moldova, Chisinau, Moldova, ²Institute of Macromolecular Chemistry „P.Poni”, Romania Academy, Iasi, Romania</i>
13:30	Lunch Address: Café “Crizantema”, Academiei str. 1a, nearby Institute of Chemistry
Session 7	Section talks: Study of coordination compounds in solid state and in solution by EPR, NMR, Mossbauer, laser and X-ray photoelectron spectroscopy Address: Scientific Central Library “Andrei Lupan”, Small Lecture Hall (Academiei str. 5a) Chairpersons: Prof. Vitaliy Vovna , Prof. Yan Voloshin
O12 15:00 – 15:20 20 min	FORMATION OF INCLUSION COMPLEXES BETWEEN CUCURBIT[6]URIL AND ANILINE MONOMERS <i>Ana-Maria Catargiu, Mircea Grigoras, “P. Poni” Institute of Macromolecular Chemistry, Iasi-700487, Romania</i>
O13 15:20 -15:40 20 min	X-RAY PHOTOELECTRONIC SPECTRA AND ELECTRONIC STRUCTURE OF COORDINATION COMPOUNDS OF THE Eu COMPLEXES WITH THE MIXED LIGANDS <i>Korochentsev V.V.¹, Lvov I.B.¹, Osmushko I.S.¹, Vovna V.I.¹, Mirochnik A.G.², Zolotukhina A.V.¹, Korochentceva V.I.¹, ¹Far East Federal University, Vladivostok, Russia, ²Institute of Chemistry, Russian Academy of Sciences, Vladivostok, Russia</i>
O14 15:40 – 16:00 20 min	ELECTRONIC STRUCTURE OF TRANSITION METAL (Mn(II), Co(II), Ni(II)) β-DIKETONATES STUDIED BY ULTRAVIOLET PHOTOELECTRON SPECTROSCOPY AND DENSITY FUNCTIONAL THEORY CALCULATIONS <i>A.A. Komissarov, A.A. Dotsenko, V.V. Korochentsev, V.I. Vovna, Far East Federal University, Vladivostok, Russia</i>
O15 16:00 – 16:20 20 min	ELECTRONIC STRUCTURE OF SOME CHELATE COMPLEXES OF Eu STUDIED BY X-RAY PHOTOELECTRON SPECTROSCOPY AND QUANTUM CHEMICAL MODELING.

	A.V. Zolotukhina ¹ , V.V. Korochentsev ¹ , V.I. Vovna ¹ , I.S. Osmushko ¹ , A.G. Mirochnik ² , ¹ <i>Far East Federal University, Vladivostok, Russia</i> , ² <i>Institute of Chemistry, Russian Academy of Sciences, Vladivostok, Russia</i>
O16 16:20 – 16:40 20 min	RELATIONSHIP OF ABSORPTION SPECTRA AND STRUCTURE OF β-DIKETONATE BORON-DIFLUORIDE COMPLEXES WITH AROMATIC SUBSTITUENTS M. V. Kazachek, V. I. Vovna, I. B. Lvov, <i>Far East Federal University, Vladivostok, Russia</i>
16:40	Close of session
16:45 – 18:15	Poster session 2 Posters 51-102 Address: Scientific Central Library “Andrei Lupan”, Entrance Hall (Academiei str. 5a)

Session 8	Section talks: Relationship structure-property for the compounds with the library of useful properties (bioactive compounds, materials for molecular electronics) Address: Scientific Central Library “Andrei Lupan”, Main Lecture Hall (Academiei str. 5a) Chairpersons: Prof. George Filoti , dr. hab. Ion Bulhac
O17 15:00 – 15:20 20 min	THIOSEMICARBAZONES AND THEIR METAL COMPLEXES AS POTENTIAL ANTITUMOUR DRUGS Vladimir B. Arion, <i>Institute of Inorganic Chemistry, University of Vienna, Vienna, Austria</i>
O18 15:20 – 15:40 20 min	ELECTRON AND ENERGY TRANSFER IN MOLECULAR SYSTEMS Andrew C. Benniston, <i>Molecular Photonics Laboratory, School of Chemistry, University of Newcastle</i>
O19 15:40 – 16:00 20 min	NEW POLYFUNCTIONAL NITROGEN DERIVATIVES AS SMART VERSATILE BUILDING BLOCKS FOR MULTIPLE TASKS Ionel I. Mangalagiu, “Al. I. Cuza” <i>University of Iasi, Faculty of Chemistry, Iasi, Romania</i>
O20 16:00 – 16:20 20 min	ONIUM HEXAFLUOROSILICATES WITH HETEROCYCLIC CATIONS: SUPRAMOLECULAR STRUCTURE, PROPERTIES AND PHARMACEUTICAL APPLICATION Vladimir O. Gelmboldt ^{1,2} , ¹ <i>Odessa National Medical University, Odessa, Ukraine</i> , ² <i>Physico-Chemical Institute of the Environment and Human Protection, Odessa, Ukraine</i>
16:20	Close of session
16:45 – 18:15	Poster session 2 Posters 51-102 Address: Scientific Central Library “Andrei Lupan”, Entrance Hall (Academiei str. 5a)
Poster jury	Corr. member M. Yu. Antipin , Dr. Dmitry Kochubey , Dr. Victor Kravtsov
18:15	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 Institute of Chemistry

Poster session 1 (P1-P50)	Thursday, October 25
P1	DFT STUDY OF HYDROGEN PEROXIDE DECOMPOSITION BY FENTON REAGENT , <u>Ion Arsene</u> and Natalia Gorinchoy, <i>Institute of Chemistry, Academy of Sciences of Moldova, Chisinau, Republic of Moldova</i>
P2	SURFACE TENSION OF ORGANIC LIQUIDS DEFINED BY MEANS OF DFT CALCULATIONS , M. Yu. Gorbachev, <u>Ion Arsene</u> , O. A. Budei, Natalia Gorinchoy, <i>Institute of Chemistry, Academy of Sciences of Moldova, Chisinau, Republic of Moldova</i>
P3	NEW MIXED IRON(III)-LANTHANIDE(III) CLUSTERS: SYNTHESIS, STRUCTURAL AND MAGNETIC STUDIES , <u>S.G. Baca</u> ^{1,2} , M. Speldrich ¹ , P. Kögerler ¹ , ¹ <i>Institute of Inorganic Chemistry, RWTH Aachen University, Aachen, Germany</i> , ² <i>Institute of Applied Physics, Academy of Sciences of Moldova</i>
P4	THEORETICAL INTERPRETATION OF ELECTRONIC SPECTRA OF THE H₂L AND CoL COMPOUNDS (L= 5,5'-DIHYDROXY-2,2'-[o-PHENYLENE-BIS(NITRILOMETHYLENE)]DIPHENOL) , <u>Iolanta Balan</u> , Natalia Gorinchoy, <i>Institute of Chemistry of ASM, Academiei str. 3, Chisinau, Republic of Moldova</i>
P5	PSEUDO JAHN-TELLER ORIGIN OF THE OUT-OF-PLANE DISTORTION IN FREE EXCITED AND COORDINATED TETRAATOMIC MOLECULES X₂CE (X=H, F, Cl; E=O, S) , <u>I. Balan</u> , N. Gorinchoy, <i>Institute of Chemistry, Academy of Sciences of Moldova, Chisinau, Republic of Moldova</i>
P6	UV-VIS STUDIES OF NEW ISOINDOLO-1,2-DIAZINE COMPOUNDS WITH ACETOPHENONIC CHAIN , <u>Vasilichia Bejan (Antoci)</u> , Dorina Mantu, Gheorghita Zbancioc, Costel Moldoveanu, Ionel I. Mangalagiu, <i>"Al. I. Cuza" University, Organic Chemistry Dep., Iasi, Romania</i>
P7	MOLYBDENUM(VI) COMPLEX WITH N-ISOPROPYLHYDROXYLAMINE , <u>A.G. Beyrakhov</u> , I.M. Orlova, E.G. Il'in, A.V. Churakov, Yu.N. Mikhailov, <i>Kurnakov Institute of General and Inorganic Chemistry, Russian Academy of Sciences, Russian Federation</i>
P8	THE INFLUENCE OF IRON(III) μ_3-OXOTRINUCLEAR COMPOUNDS WITH AMINO ACIDS ON CHLOROPHYLL PIGMENTS CONTENT OF MICROALGA <i>DUNALIELLA SALINA</i> CNMN-AV-01 , <u>Bivol Cezara</u> ¹ , Lazarescu Ana ² , Turta Constantin ² , Rudic Valeriu ¹ , ¹ <i>Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova, Chisinau</i> , ² <i>Institute of Chemistry, Academy of Sciences of Moldova, Chisinau</i>
P9	THE INVESTIGATION OF CHEMICAL SPACE OF COX-2, GSK-3 AND CDK-2 INHIBITORS - A HOPE FOR THE TREATMENT OF COLON CANCER , <u>Alina Bora</u> ¹ , Luminita Crisan ¹ , Sorin Avram ¹ , Liliana Pacureanu ¹ , Ana Borota ¹ , Ludovic Kurunczi ² , ¹ <i>Institute of Chemistry of Romanian Academy, Timisoara, Romania</i> , ² <i>Faculty of Pharmacy, University of Medicine and Pharmacy "Victor Babes", Timisoara, Romania</i>
P10	SYNTHESIS AND THE CRYSTAL STRUCTURES OF THE PROTON-TRANSFER COMPOUNDS OF 2-AMINO-1-ETHANOL WITH HALOGENATED BENZOIC ACIDS , Manuela Crisan ¹ , <u>Paulina Bourosh</u> ² , Yurii Chumakov ² , Mihaela Petric ¹ , Gheorghe Iliu ¹ , ¹ <i>Institute of Chemistry Timisoara of Romanian Academy, Timisoara, Romania</i> ; ² <i>Institute of Applied Physics, Academy of Sciences of Moldova, Chisinau, Republic of Moldova</i>

P11	SYNTHESIS AND STRUCTURE OF THE CONDENSATION PRODUCTS OF [Co(II)Cl(DH)₂(HAIZONIC)] WITH 2,6-DIACETYLPIRIDINE OR TEREPHTHALIC ALDEHYDE , O. Ciobanica ¹ , M. Darii ^{1,2} , P. Bourosh ² , I. Bulhac ¹ , ¹ <i>Institute of Chemistry of ASM, Chisinau, R Moldova</i> , ² <i>Institute of Applied Physics of the ASM, Chisinau, R Moldova</i>
P12	SYNTHESIS AND X-RAY STUDY OF MONO- AND DINUCLEAR COBALT DIOXIMATE COMPLEXES [Co(N₃)(DH)₂(bpy)] AND [(Co(N₃)(DH)₂)₂(bpy)] , P. Bourosh ¹ , E. Coropceanu ² , V.Ch. Kravtsov ¹ , O. Bologa ² , V. Shofransky ² , I. Bulhac ² , ¹ <i>Institute of Applied Physics, ASM, Chisinau, R. Moldova</i> , ² <i>Institute of Chemistry, ASM, Chisinau, R. Moldova</i>
P13	SYNTHESIS, STRUCTURE AND SPECTRAL CHARACTERISTICS OF IRON(II) α-BENZILGLYOXIMATES WITH NEW APICAL LIGANDS , P. Bourosh ¹ , I. Bulhac ² , O. Ciobanica ² , C. Lacatush ² , ¹ <i>Institute of Applied Physics, ASM, Chisinau, R Moldova</i> , ² <i>Institute of Chemistry, ASM, Chisinau, R Moldova</i>
P14	MOLECULAR PRECURSORS BASED ON HETEROMETALLIC BISMUTH(III)-VO(II) OR -Cu(II) COORDINATION COMPOUNDS , Ion Bulimestru ¹ , Pascal Roussel ² , Frederic Capet ² , Rose-Noelle Vannier ² , Jean-Pierre Wignacourt ² , Aurelian Gulea ¹ , ¹ <i>Moldova State University, Coordination Chemistry Laboratory, Chisinau, Moldova</i> , ² <i>Université Lille Nord de France, Unité de Catalyse et de Chimie du Solide, CNRS UMR 8181, ENSC Lille – UST Lille, Villeneuve d'Ascq cedex, France</i>
P15	HETEROMETALLIC LANTHANIDE(III)-BISMUTH(III) POLYAMINO-POLYCARBOXYLATE COMPLEXES: SYNTHESIS AND CRYSTAL STRUCTURE , Ion Bulimestru, Nelea Popa, Sergiu Shova, Aurelian Gulea, <i>Moldova State University, Coordination Chemistry Laboratory, Chisinau, Moldova</i>
P16	STRUCTURE OF PALLADIUM COMPLEXES WITH TRIDENTATE THIOSEMICARBAZONES , P. Bulmaga ¹ , P. Bourosh ² , E. Jora ^{1,3} , M. Revenco ¹ , J. Lipkowski ⁴ , B. Wicher ⁵ , O. Palamarciuc ¹ , ¹ <i>Moldova State University, Chisinau, R. Moldova</i> , ² <i>Institute of Applied Physics, Academy of Sciences of Moldova, Chisinau, R. Moldova</i> , ³ <i>State University of Medicine and Pharmacy "N. Testemitanu", R. Moldova</i> , ⁴ <i>Institute of Physical Chemistry, Polish Academy of Sciences, Warszawa, Poland</i> , ⁵ <i>Faculty of Chemistry, A. Mickiewicz University, Poznan, Poland</i>
P17	SYNTHESIS, STRUCTURE AND MAGNETOCHEMICAL PROPERTIES OF METAL-CHELATES OF TRIDENTATE SCHIFF BASES , A.S. Burlov ¹ , A.I. Uraev ¹ , K.A. Lyssenko ² , S.I. Levchenkov ³ , D.A. Garnovskii ⁴ , V.G. Vlasenko ⁵ , Ya.V. Zubavichus ⁶ , E.V. Korshunova ¹ , ¹ <i>Department of Chemistry of Southern Federal University, Rostov-on-Don, Russia</i> , ² <i>A.N. Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences, Moscow, Russia</i> , ³ <i>Department of Chemistry of Southern Federal University, Rostov-on-Don, Russia</i> , ⁴ <i>Southern Scientific Centre of Russian Academy of Sciences, Rostov-on-Don, Russia</i> , ⁵ <i>Institute of Physics of Southern Federal University, Rostov-on-Don, Russia</i> , ⁶ <i>Kurchatov Center for Synchrotron Radiation and Nanotechnology, Russian Research Center "Kurchatov Institute", Moscow, Russian Federation</i>
P18	SYNTHESIS, EXAFS AND MAGNETOCHEMICAL INVESTIGATION OF NOVEL BINUCLEAR COPPER(II) COMPLEXES OF TRIDENTATE SCHIFF BASE DERIVATIVES OF 3-ALLYLSALICYLIC ALDEHYDE , A.S. Burlov ¹ , V.G. Vlasenko ² , Ya.V. Zubavichus ³ , S.I. Levchenkov ⁴ , A.S. Bogomyakov ⁵ , S.A. Nikolaevskii ¹ , A.I. Uraev ¹ , D.A. Garnovskii ⁶ , ¹ <i>Department of Chemistry of Southern Federal University, Rostov-on-Don, Russia</i> , ² <i>Institute of Physics of Southern Federal</i>

	<i>University, Rostov-on-Don, Russia, ³Kurchatov Center for Synchrotron Radiation and Nanotechnology, Russian Research Center "Kurchatov Institute", Moscow, Russian Federation, ⁴Department of Chemistry of Southern Federal University, Rostov-on-Don, Russia, ⁵International Tomography Center, Siberian Branch of Russian Academy of Sciences, Novosibirsk, Russian Federation, ⁶Southern Scientific Centre of Russian Academy of Sciences, Rostov-on-Don, Russia</i>
P19	SYNTHESIS, STRUCTURE, ANTITUMOR AND ANTIMICROBIAL ACTIVITY OF 3D-METAL COMPLEXES WITH SOME DERIVATIVES OF PYRIDINE-2-CARBALDEHYDE 4-(PYRIDINE-2-YL)THIOSEMICARBAZONES , <u>T. Capatina</u> ¹ , A. Jalba ¹ , E. Zariciuc ² , L. Softoni ³ , D. Sofroni ³ , V. Tsapkov ¹ , A. Gulea ¹ , ¹ State University of Moldova, Chisinau, Moldova, ² State University of Medicine and Pharmacy "N. Testemitanu", Chisinau, Moldova, ³ Institute of Oncology, Chisinau, Moldova
P20	SYNTHESIS AND ELECTROCHEMICAL PROPERTIES OF A MIXED-LIGAND COMPLEX OF PALLADIUM(II) WITH GLYCINE AND ASPARTIC ACID , <u>Nina V. Chornenka</u> , Sergei V. Volkov, V.I. Vernadskii Institute of General and Inorganic Chemistry of the Ukrainian NAS, Kyiv, Ukraine
P21	THE ROLE OF SOME BRIDGING LIGANDS FOR ASSEMBLY OF BI- AND POLYNUCLEAR OXIME COMPLEXES , <u>Eduard Coropceanu</u> , Institute of Chemistry, ASM, Chisinau, R. Moldova
P22	THE STRUCTURE OF SOME Co(III) DIOXIMATES BASED ON BUILDING BLOCK [Co(DH)₂Cl(H₂O)] , <u>E. Coropceanu</u> ¹ , P. Bouroush ² , O. Bologa ¹ , I. Bulhac ¹ , ¹ Institute of Chemistry, Chisinau, R. Moldova, ² Institute of Applied Physics, Chisinau, R. Moldova
P23	LIGAND AND STRUCTURE BASED DISCOVERY OF NOVEL GSK-3B INHIBITORS , <u>Luminita Crisan</u> ¹ , Liliana Pacureanu ¹ , Alina Bora ¹ , Sorin Avram ¹ , Dana Ivan ¹ , Ludovic Kurunczi ² , ¹ Institute of Chemistry of Romanian Academy Timisoara, Timisoara, Romania, ² University of Medicine and Pharmacy "V. Babes", Faculty of Pharmacy, Timisoara, Romania
P24	FROM MONONUCLEAR COMPLEXES TO ONE-DIMENSIONAL POLYMERIC MATERIALS WITH LUMINESCENT PROPERTIES BASED ON Zn(II) AND Cd(II) PYRIDINE-2-ALDOXIME , <u>L. Croitor</u> ¹ , Ed.B. Coropceanu ² , A. Kuznetsov ¹ , A.V. Siminel ¹ , M.S. Fonari ¹ , ¹ Institute of Applied Physics Academy of Sciences of Moldova, Chisinau, Moldova, ² Institute of Chemistry Academy of Sciences of Moldova, Chisinau, Moldova
P25	SYNTHESIS AND CHARACTERIZATION OF NOVEL MIXED IRON-OXIDE NANOPARTICLES , <u>Olesea Cuzan</u> , Mihail Iacob, Silvia Melnic, Boris Pushcashu, Constantin Turta, Institute of Chemistry of the Academy of Sciences of Moldova, Chisinau, Moldova
P26	ADAMANTANE BASED HETEROCYCLIC BRIDGES FOR THE DESIGN OF COORDINATION POLYMERS , <u>A.S. Degtiarenko</u> , K.V. Domasevitch, Taras Shevchenko National University of Kyiv, Inorganic Chemistry Department, Kyiv, Ukraine
P27	THE INFLUENCE OF COORDINATIVE COMPOUNDS OF Zn(II), Cu(II) AND Co(III) WITH DIOXIMATES ON THE BIOSYNTHETIC ACTIVITY OF MICROMYCETE <i>Aspergillus niger</i> CNMN-10 , <u>A. Deseatnic-Ciloci</u> ¹ , E. Coropceanu ² , I. Bulhac ² , J. Tiurin ¹ , S. Clapco ¹ , S. Labliuc ¹ , M. Stratan ¹ , L. Croitor ³ , M. Fonari ³ , ¹ Institute of Microbiology and Biotechnology, Academy of Sciences of

	<i>Moldova, ²Institute of Chemistry, Academy of Sciences of Moldova, ³Institute of Applied Physics, Academy of Sciences of Moldova</i>
P28	THE INFLUENCE OF COMPLEX COMPOUNDS OF TRANSITION METALS ON PROTEOLYTIC ACTIVITY OF STRAINS FROM GENERA <i>FUSARIUM</i> AND <i>TRICHODERMA</i>, A.A. Deseatnic-Ciloci¹, J.P. Tiurin¹, S.F. Clapco¹, I.I. Bulhac², E.B. Coropceanu², V.I. Lozan², O.A. Bologa², S.V. Labliuc¹, E.G. Dvornina¹, C.M. Bivol¹, ¹<i>Institute of Microbiology and Biotechnology of ASM, Chisinau, Moldova, ²Institute of Chemistry of ASM, Chisinau, Moldova</i>
P29	EFFECT OF COORDINATION COMPOUNDS OF COPPER(II) WITH AMINOGUANIZONE OF α-KETOGLUTARIC ACID ON AMINOLITIC AND PROTEOLITIC ACTIVITY IN MICROMICETES <i>ASPERGILLUS</i> SP. AND <i>TRICHODERMA KONINGII</i>, A.A. Deseatnic-Ciloci¹, L.F. Chapurina², J.P. Tiurin¹, S.F. Clapco¹, S.V. Labliuc¹, M.V. Stratan¹, C. Turta², ¹<i>Institute of Microbiology and Biotechnology, Academy of Sciences of Moldova, Chisinau, Moldova, ²Institute of Chemistry of the Academy of Sciences of Moldova, Chisinau, Moldova</i>
P30	ELECTRONIC STRUCTURE AND X-RAY PHOTOELECTRON SPECTRA OF COMPLEXES Te(IV) WITH ORGANIC NITROGEN-CONTAINING CATIONS, A.A. Dotsenko¹, V.V. Korochentsev¹, I.B. Lvov¹, I.S. Osmushko¹, A.G. Mirochnik², T.V. Sedakova², V.I. Vovna¹, ¹<i>Far East Federal University, Russia, ²Institute of Chemistry, Russian Academy of Sciences, Vladivostok, Russia</i>
P31	NEW COORDINATION COMPOUNDS OF NI(II) WITH THIOCARBOHYDRAZONE AND SALICYLALDEHYDE SCHIFF BASES, Diana Dragancea¹, Anthony W. Addison², Allen D. Hunter², Matthias Zeller², Luca Carella³, Eva Rentschler³, ¹<i>Institute of Chemistry of the ASM, Chisinau, Moldova, ²Drexel University, Philadelphia, USA, ³Mainz University, Germany</i>
P32	NEW Cu-, Co-, Ni-ATRANES: SYNTHESIS AND STRUCTURAL CHARACTERIZATION, Ana-Maria-Corina Dumitriu¹, Maria Cazacu¹, Sergiu Shova^{1,2}, Alexandra Nistor¹, ¹<i>"Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania, ²Institute of Applied Physics of ASM, Chisinau, Republic of Moldova</i>
P33	CRYSTAL STRUCTURES AND SOLUBILITY OF 4,4'-BIPYRIDINIUM AND 2-BROM-5-METHYLPYRIDINIUM HEXAFLUOROSILICATES, Vladimir O. Gelmboldt^{1,2}, Larisa V. Koroeva², Eduard V. Ganin³, Marina S. Fonari⁴, ¹<i>Odessa National Medical University, Odessa, Ukraine, ²Physico-Chemical Institute of the Environment and Human Protection, Odessa, Ukraine, ³Odessa State Environmental University, Odessa, Ukraine, ⁴Institute of Applied Physics, Chisinau, Moldova</i>
P34	COMPARATIVE DFT STUDY OF INTERACTION BETWEEN DIMETHYLDIHYDROXYFUMARATE AND ITS PRECURSOR ACID WITH THE STABLE RADICAL DPPH*, M.Yu. Gorbachev, Natalia N. Gorinchoy, I. Arsene, <i>Institute of Chemistry, Academy of Sciences of Moldova, Chisinau, Republic of Moldova</i>
P35	SYNTHESIS, STRUCTURE AND BIOLOGICAL ACTIVITY OF SOME 3D-METAL COMPLEXES OF SOME DERIVATIVES OF SALICYLALDEHYDE 4-ALLYLTHIOSEMICARBAZONES, A. Gulea¹, V. Graur¹, E. Zariciuc², V. Tsapkov¹, ¹<i>State University of Moldova, Chisinau, Moldova, ²State University of Medicine and Pharmacy "Nicolae Testemitanu", Moldova</i>
P36	MAGNETIC STUDY IN SOLUTION OF LANTHANIDE(III)-BISMUTH(III) COORDINATION COMPOUNDS BY MEANS OF NMR SPECTROSCOPY,

	<u>Aurelian Gulea</u> ¹ , Nelea Popa ¹ , Alic Barba ² , Ion Bulimestru ¹ , ¹ <i>Moldova State University, Coordination Chemistry Laboratory, Chisinau</i> , ² <i>Institute of Chemistry, Academy of Sciences of Moldova, Chisinau</i>
P37	COORDINATION COMPOUNDS OF SOME TRANSITION METALS WITH DIMETHYLGLYOXIME AND SCHIFF BASES , <u>Liudmila Gusina</u> , Diana Dragancea, Ion Bulhac, <i>Laboratory of Coordination Chemistry, Institute of Chemistry of the Academy of Sciences of Moldova, Chisinau, Moldova</i>
P38	PREPARATION AND CRYSTAL STRUCTURE OF Na_{0.33}(NaC(18-crown-6))_{6.66}[Na₃(H₂O)₆Cu₃(W₉O₃₃Se)₂](18-crown-6)·8.75H₂O , <u>Gutsul T.D.</u> ¹ , Sokolov M.N. ² , Peresyphkina E.V. ² , Virovets A.V. ² , Zubareva V.E. ⁴ , Petrenko P.A. ³ , Fedin V.P. ² , ¹ <i>Institute of Electronic Engineering and Nanotechnologie, Chisinau</i> , ² <i>Nikolaev Institute of Inorganic Chemistry SB RAS, Novosibirsk, Russia</i> , ³ <i>Institute of Applied Physics, AS of Moldova, Chisinau</i> , ⁴ <i>Institute of Chemistry, AS of Moldova, Chisinau, Moldova</i>
P39	MOSSBAUER STUDY OF SUPERPARAMAGNETIC IRON OXIDES NANOPARTICLES , <u>Mihail Iacob</u> , <i>Institute of Chemistry of ASM, Chisinau, Moldova</i>
P40	SYNTHESIS, CHARACTERIZATION, CRYSTAL STRUCTURES OF NICKEL(II), PALLADIUM(II) AND COPPER(II) COMPLEXES WITH 2-FURALDEHYDE-4-PHENYLTHIOSEMICARBAZONE , <u>Diana-Carolina Ilies</u> ¹ , Elena Pahontu ¹ , Mezey Reka-Stefana ² , Sergiu Shova ³ , Aurelian Gulea ⁴ , Tudor Rosu ² , ¹ <i>Organic Chemistry Department, Faculty of Pharmacy, University of Medicine and Pharmacy "Carol Davila" Bucharest, Romania</i> , ² <i>Inorganic Chemistry Department, Faculty of Chemistry, University of Bucharest, Bucharest, Romania</i> , ³ <i>"Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania</i> , ⁴ <i>Coordination Chemistry Department, Moldova State University, Chisinau, Republic of Moldova</i>
P41	PHOTOSWITCHING OF THE SCHIFF-BASE PENTADENTATE Fe(III) COMPLEXES ACCORDING TO DATA CONTINUOUS-WAVE AND TIME-RESOLVED EPR SPECTROSCOPY , <u>T.A. Ivanova</u> , I.V. Ovchinnikov, O.A. Turanova, G.I. Ivanova, A.A. Sukhanov, <i>Zavoisky Physical-Technical Institute, Kazan Scientific Center of RAS, Kazan, Russia</i>
P42	THE CRYSTAL STRUCTURES AND ANTITUMOR ACTIVITY OF 1-PHENYL-3-METHYL-4-BENZOYL-5-PYRAZOLONE 4-ETHYLTHIOSEMICARBAZONE AND ITS COPPER(II) COMPLEXES , A. Gulea ¹ , F. Julea ¹ , V. Tsapkov ¹ , Yu. Chumakov ² , P Petrenko ² , L. Sofroni ³ , R. Van Staden ⁴ , ¹ <i>State University of Moldova, Chisinau, Moldova</i> , ² <i>Institute of Applied Physics of Academy of Sciences of Moldova, Chisinau, Moldova</i> , ³ <i>Institute of Oncology, Chisinau, Moldova</i> , ⁴ <i>National Institute for Research in Electrochemistry and Condensed Matter, Timisoara, Romania</i>
P43	COBALT(II, III) COMPLEXES WITH DERIVATIVES OF PIPERIDINE-1-CARBODITHIOIC ACID: STRUCTURE, PROPERTIES AND BIOLOGICAL ACTIVITY , <u>Nickolay Khitrich</u> , Inna Seifullina, Galina Masanovets, Oksana Zinchenko, <i>I. I. Mechnikov Odessa National University, Odessa, Ukraine</i>
P44	CONDENSATION REACTIONS IN THE SYSTEMS "SO₂ – L – CH₂O – H₂O" (L – PRIMARY AMINES) , <u>Ruslan E. Khoma</u> ^{1,2} , Alim A. Ennan ¹ , Vladimir O. Gelmboldt ^{1,3} , Larisa V. Koroeva ¹ , ¹ <i>Physico-Chemical Institute of Environment and Human Protection, Odessa, Ukraine</i> , ² <i>Odessa National University, Odessa, Ukraine</i> , ³ <i>Odessa National Medical University, Odessa, Ukraine</i>
P45	THE INFLUENCE OF DMSO BRIDGING COORDINATION ON THE TYPE OF EXCHANGE INTERACTION IN THE BINUCLEAR COPPER(II)

	COMPLEX WITH UNSYMMETRICAL EXCHANGE FRAGMENT , <u>V.A. Kogan</u> ¹ , S.I. Levchenkov ² , I.N. Shcherbakov ¹ , L.D. Popov ¹ , Yu.P. Tupolova ¹ , S.S. Beloborodov ¹ , A.A. Tsaturyan ¹ , V.V. Lukov ¹ , ¹ <i>Southern Federal University, Rostov-on-Don, Russia</i> , ² <i>Russian Academy of Sciences, Southern Scientific Centre, Rostov-on-Don, Russia</i>
P46	CRYSTAL STRUCTURE OF Ag(I) AND Cd(II) COORDINATION POLYMERS WITH 4,4'-(1,4-PHENYLENEDIISOPROPYLIDEN)BISANILINE , <u>Yu.V. Kokunov</u> , Yu.E. Gorbunova, V.V. Kovalev, <i>Kurnakov Institute of General and Inorganic Chemistry, Russian Academy of Sciences, Moscow, Russia</i>
P47	MAGNETIC, SPECTRAL AND LUMINESCENT PROPERTIES OF REE CYMANTRENECARBOXYLATE COMPLEXES , <u>P.S. Koroteev</u> , A.B. Ilyukhin, M.A. Kiskin, Zh.V. Dobrokhotova, N.N. Efimov, S.A. Kozyukhin, V.M. Novotortsev, <i>N. S. Kurnakov Institute of General and Inorganic Chemistry of Russian Academy of Sciences, Moscow, Russia</i>
P48	HETERONUCLEAR AND MULTIDIMENSIONAL NMR SPECTROSCOPY OF NOVEL TETRADENTATE SHIFF BASE LIGANDS AND THEIR ZINC COMPLEXES , <u>Yu.V. Koshchienko</u> , S.A. Nikolaevskii, E.V. Korshunova, A.I. Uraev, G.S. Borodkin, I.S. Vasilchenko, D.A. Garnovskii, A.S. Burlov, <i>Institute of Physical and Organic Chemistry of Southern Federal University, Rostov-on-Don, Russian Federation</i>
P49	Mn(II) CHAIN COORDINATION POLYMER AND ITS 0D+1D COCRYSTAL BASED ON 5-METHOXY-3-NITROSALICYLALDEHYDE AND PYRAZINE , <u>V.Ch. Kravtsov</u> , G.M. Dulcevscăia, S.G. Baca, <i>Institute of Applied Physics, Academy of Sciences of Moldova, Chişinău, R. Moldova</i>
P50	THE CRYSTAL STRUCTURE AND EPR SPECTRUM OF NITRATE COPPER(II) COMPLEX WITH 4-FORMYL-3-HYDROXY-2-NAPHTHOIC ACID THIOSEMICARBAZONE , <u>Ana Lazarescu</u> ¹ , Sergiu Shova ² , A. Melinic ³ , V. Trachevskii ³ , Constantin Turta ¹ , ¹ <i>Institute of Chemistry of the Academy of Sciences of Moldova, Chisinau, Moldova</i> , ² <i>Institute of Applied Physics of the Academy of Sciences of Moldova, Chisinau, Moldova</i> , ³ <i>Technical Center of the National Academy of Sciences of Ukraine, Kiev, Ukraine</i>
Poster session 2 (P51-P102)	Friday, October 26
P51	THE UNIQUE TETRANUCLEAR COPPER(II) COMPLEX WITH AZOMETHINE LIGAND: THE CRYSTAL STRUCTURE AND MAGNETIC PROPERTIES , <u>S.I. Levchenkov</u> ¹ , L.D. Popov ² , I.N. Shcherbakov ² , K.Yu. Suponitskii ³ , S.S. Beloborodov ² , A.A. Tsaturyan ² , V.V. Lukov ² , V.A. Kogan ² , ¹ <i>Russian Academy of Sciences, Southern Scientific Centre, Rostov-on-Don, Russia</i> , ² <i>Southern Federal University, Rostov-on-Don, Russia</i> , ³ <i>Russian Academy of Sciences, Nesmeyanov Institute of Element-Organic Compounds, Moscow, Russia</i>
P52	STEREOSELECTIVE TRANSFORMATIONS IN CONTAINER METALATED MOLECULES , <u>Vasile Lozan</u> , <i>Institute of Chemistry of ASM, Chisinau, R Moldova</i>
P53	TEM AND SEM DIFFRACTION METHODS IN THE STUDY OF COORDINATION AND SUPRAMOLECULAR COMPOUNDS , <u>Sharali Malik</u> ¹ and Annie K. Powell ^{1,2} , ¹ <i>Institute of Nanotechnology, Karlsruhe Institute of Technology, Karlsruhe, Germany</i> , ² <i>Institute of Inorganic Chemistry, Karlsruhe</i>

	<i>Institute of Technology, Karlsruhe, Germany</i>
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P57	SYNTHESIS AND PROPERTIES OF A MANGANESE CARBOXYLATE CLUSTER AND OXIDE NANOPARTICLES FOR ARTIFICIAL PHOTOSYNTHESIS APPLICATIONS, <u>Silvia Melnic</u> ^{1,4} , Mihail Iacob ¹ , Andrew Benniston ² , Ross W. Harrington ² , Florica Doroftei ³ , Constantin Turta ¹ , ¹ <i>Institute of Chemistry of ASM, Chisinau, Moldova,</i> ² <i>School of Chemistry, Newcastle University, Newcastle upon Tyne, United Kingdom,</i> ³ <i>“Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania,</i> ⁴ <i>State University of Medicine and Pharmacy “N.Testemitanu”, Chisinau, Moldova</i>
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	<i>Ural Branch of RAS, Yekaterinburg, Russia</i>
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	² <i>Institute of Elementorganic Compounds of RAS, Moscow, Russia</i>
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PMSCS-XVII SOCIAL EVENTS

- 18:00** **Wednesday, October 24**
Welcome reception for all participants and accompanying persons. Cafee ‘Crizantema’,
Academiei str. 1A, nearby Institute of Chemistry,
(included in the fee)
- 19:00** **Friday, October 26**
Conference dinner in Cafee ‘Crizantema’, Academiei str. 1A, nearby Institute of
Chemistry
(20 Euro per person)
- 11:00** **Saturday, October 27**
Excursion to *Cricova* winery. Coach departs from the Institute of Chemistry of the
Academy of Sciences of Moldova, Academiei str. 3
(50 Euro per person)