



**Academy of Sciences of Moldova
Institute of Chemistry
The Chemical Society of the Republic of Moldova**



**The International Conference
dedicated to the 55th anniversary from the foundation
of the Institute of Chemistry of the Academy of
Sciences of Moldova**



PROGRAM

**May 28 - 30, 2014
Chisinau, MOLDOVA**



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dedicated to the 55th anniversary from the foundation
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**May 28 - 30, 2014
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Program Structure

	<i>May 28, Wednesday</i>	Address:
12:00 – 18:00	Arrival, Registration	<i>Main edifice of the Academy of Sciences of Moldova, entrance hall (bd. Stefan cel Mare, 1)</i>
18:00	Welcome party	<i>Main edifice of the Academy of Sciences of Moldova, Golden Hall (bd. Stefan cel Mare, 1)</i>
	<i>May 29, Thursday</i>	
8:00 – 9:00	Registration	<i>Main edifice of the Academy of Sciences of Moldova, Café (bd. Stefan cel Mare, 1)</i>
9:00 – 9:30	Opening ceremony	
9:30 – 11:00	Plenary Lectures (L1- L3)	
11:00 – 11:30	Coffee break	
11:30 – 13:30	Plenary Lectures (L4- L7)	
13:30 – 14:30	Lunch break	<i>Main edifice of the Academy of Sciences of Moldova, Golden Hall (bd. Stefan cel Mare, 1)</i>
14:30 – 16:30	Plenary Lectures (L8- L11)	<i>Main edifice of the Academy of Sciences of Moldova, Blue Hall (bd Stefan cel Mare, 1)</i>
16:30	Excursion	<i>Cricova winery. Departure from the bd. Stefan cel Mare, 1</i>
	<i>May 30, Friday</i>	
9:00-11:00	Working in sections. Oral Presentations (15 min)	
	<i>Section I. Inorganic and physical chemistry (O 01- O 08)</i>	<i>Institute of Chemistry of ASM, Academiei str. 3, Main Hall</i>
	<i>Section II. Analytical and ecological chemistry (O 12 - O 19)</i>	<i>Institute of Chemistry of ASM, Academiei str. 3, Small Hall</i>
	<i>Section III. Organic and bioorganic chemistry (O 28 - O 32)</i>	<i>Institute of Chemistry of ASM, Academiei str. 3, Hall 340</i>
11:00 – 11:30	Coffee break	
11:30 – 13:30	Working in sections. Oral presentations (15 min)	
	<i>Section I. Inorganic and physical chemistry (O 09- O 11)</i>	<i>Institute of Chemistry of ASM, Academiei str. 3, Main Hall</i>
	<i>Section II. Analytical and ecological chemistry (O 20-O 27)</i>	<i>Institute of Chemistry of ASM, Academiei str. 3, Small Hall</i>
	Poster session. Section III. Organic and bioorganic chemistry (P139 - 170)	<i>Institute of Chemistry of ASM, Academiei str. 3, Entrance Hall</i>
13:30 – 15:00	Lunch break	<i>Café “Crizantema”, Academiei str. 1a, nearby Institute of Chemistry</i>
15:00 – 17:00	Poster session. Section I. Inorganic and physical chemistry (P001 – P090) Section II. Analytical and ecological chemistry (P091 – P138)	<i>Institute of Chemistry of ASM, Academiei str. 3</i>
17:00	Closing ceremony	<i>Institute of Chemistry of ASM, Academiei str. 3</i>
18:00	Conference dinner	<i>Café “Crizantema”, Academiei str. 1a, nearby Institute of Chemistry</i>

SCIENTIFIC PROGRAM

Wednesday May 28

12:00 – 18:00

Arrival, Registration

Address: Main edifice of the Academy of Sciences of Moldova, Entrance Hall (bd. Stefan cel Mare, 1)

18:00

Welcome party

Address: Main edifice of the Academy of Sciences of Moldova, Golden Hall (bd. Stefan cel Mare, 1)

Thursday May 29

	<i>Address: Main edifice of the Academy of Sciences of Moldova, Blue Hall (bd. Stefan cel Mare, 1)</i>
8:30 – 9:00	Registration
9:00 – 9:30	Opening ceremony
	<ul style="list-style-type: none"> • Academician, Professor Gheorghe Duca, President of the Academy of Sciences of Moldova, Chairman of the International Advisory Board • Corresponding member, Professor Tudor Lupascu, Director of the Institute of Chemistry of the Academy of Sciences of Moldova, Chairman of Organizing Committee • Academician, Professor, Bogdan Simionescu, Vice-President of the Romanian Academy • Academician, Professor Janusz Lipkowski, Polish Academy of Sciences • Corresponding member, Professor Marek Chmielewski, Vice-President of the Polish Academy of Sciences
9:30 – 11:00	Plenary lectures <i>Address: Main edifice of the Academy of Sciences of Moldova, Blue Hall (bld Stefan cel Mare, 1)</i>
	Chairpersons: Acad. Isaac Bersuker , Acad. Gheorghe Duca , Acad. Pavel Vlad
L1 9:30 – 10:00 30 min	PERSPECTIVES OF DEVELOPMENT OF CHEMISTRY IN THE REPUBLIC OF MOLDOVA <i>Gheorghe Duca, Academy of Sciences of Moldova, Chisinau, Republic of Moldova</i>
L2 10:00 – 10:30 30 min	INSTITUTE OF CHEMISTRY, THE MOST VALUABLE RECENT ACHIEVEMENTS <i>Tudor Lupascu, Aculina Aricu, Institute of Chemistry, Academy of Sciences of Moldova, Chisinau, Moldova</i>
L3 10:30 – 11:00 30 min	COMPLEX MACROMOLECULAR ARCHITECTURES: CHALLENGES, STRATEGIES, APPLICATIONS <i>Bogdan C. Simionescu^{1,2}, ¹"Petru Poni" Institute of Macromolecular Chemistry, ²"Gh. Asachi" Technical University Iasi, Romania</i>
11:00 – 11:30	Coffee break

	Plenary lectures <i>Address: Main edifice of the Academy of Sciences of Moldova, Blue Hall (bd. Stefan cel Mare, 1)</i>
	Chairpersons: Acad. Bogdan Simionescu , Acad. Constantin Turta , Corr. member Tudor Lupascu
L4 11:30 – 12:00 30 min	THE JAHN-TELLER AND PSEUDO JAHN-TELLER EFFECTS: NOVEL FINDINGS AND APPLICATIONS <i>Isaac B. Bersuker, Institute for Theoretical Chemistry, The University of Texas at Austin, USA, Institute of Chemistry, Academy of Sciences of Moldova, Moldova</i>
L5 12:00 – 12:30 30 min	NEW INHIBITORS OF CANCER CELLS PROLIFERATION <i>Aurelian Gulea, Moldova State University, Chisinau, Republic of Moldova</i>
L6 12:30 – 13:00 30 min	STRUCTURAL SUPRAMOLECULAR CHEMISTRY <i>Janusz Lipkowski, Wyzynski University in Warsaw, School of Sciences, Warszawa, Poland</i>
L7 13:00 – 13:30 30 min	NATURAL COMPOUNDS AS A BASIS FOR MODULATORS OF P53 ACTIVITY <i>A.V. Garabadzhiu, Saint-Petersburg state Institute of Technology (Technical University), Laboratory of Molecular Pharmacology, Saint-Petersburg, Russia</i>
13:30 – 14:30	Conference photo, Lunch <i>Main edifice of the Academy of Sciences of Moldova (bld. Stefan cel Mare, 1)</i>
	Chairpersons: Acad. Aurelian Gulea , Acad. Janusz Lipkowski , Corr. member Mihail Revenco
L8 14:30 – 15:00 30 min	NEW PODANTS WITH NITROGEN HETEROCYCLES SKELETON FOR MULTIPLE TASKS <i>Ionel I. Mangalagiu, "Al. I. Cuza" University of Iasi, Faculty of Chemistry, Iasi, Romania</i>
L9 15:00 – 15:30 30 min	ELECTROCHEMICAL SOLAR CELLS BASED ON PIGMENTS <i>Constantin Turta, Institute of Chemistry, Academy of Sciences of Moldova, Chisinau, Moldova</i>
L10 15:30 – 16:00 30 min	MEDICINE THROUGH THE EYES OF THE NMR SPECTROSCOPIST <i>C. Deleanu^{1,2}, ¹C. D. Nenitescu" Centre of Organic Chemistry of the Romanian Academy, Bucharest, Romania, ²"Petru Poni" Institute of Macromolecular Chemistry of the Romanian Academy, Iasi, Romania</i>
L11 16:00 – 16:30 30 min	HETEROMETALLIC RINGS AND DESIGNED POLY-RINGS ARCHITECTURES <i>Grigore A. Timco, Antonio Fernandez, Jesús Ferrando-Soria, George F. S. Whitehead, Richard E. P. Winpenny, School of Chemistry and Photon Science Institute, The University of Manchester, United Kingdom</i>
16:30	End of session
16:30 – 20:00	Excursion

Friday May 30

Section I	Inorganic and physical chemistry <i>Address: Institute of Chemistry of the Academy of Sciences of Moldova, Main Hall (Academiei str. 3)</i>
	Chairpersons: Corr. member Ion Geru , Prof. Grigore Timco , Dr. Vadim Druta
O1 9:00 – 9:15 15 min	RECENT APPROACHES TO THE STUDY OF BIOMOLECULAR RECOGNITION <i>Anthony W. Coleman, FRSC, CNRS-Université de Lyon, France</i>
O2 9:15 – 9:30 15 min	MOLECULAR FEATURES REVEALED UNDER APPLIED MAGNETIC FIELDS <i>Prof. Dr. George Filoti, National Institute for Materials Physics, Bucharest, Romania</i>
O3 9:30 – 9:45 15 min	HEXAFLUOROSILICATES WITH ANTIBACTERIAL CATIONS <i>Vladimir Gelmboldt, Vladimir Anisimov, Olga Prodan, Ivan Shishkin, Odessa National Medical University, Odessa, Ukraine</i>
O4 9:45 – 10:00 15 min	SYNTHESIS AND CHARACTERIZATION OF CdSe COLLOIDAL QUANTUM DOTS IN ORGANIC SOLVENTS <i>I. Geru¹, O. Bordian^{1,2}, C. Loshmansky³, I. Culeac^{1,2}, C. Turta¹, ¹Institute of Chemistry, Chisinau, Republic of Moldova, ²Institute of Applied Physics, Chisinau, Republic of Moldova, ³University of the Academy of Sciences of Moldova, Chisinau, Republic of Moldova</i>
O5 10:00 – 10:15 15 min	ELECTRONIC CONTROL OF MOLECULAR CONFIGURATION INSTABILITY VIA VIBRONIC COUPLING <i>N.N. Gorinchoy, Institute of Chemistry, Academy of Sciences of Moldova, Chisinau, Republic of Moldova</i>
O6 10:15 – 10:30 15 min	ORGANOCATALYZED SYNTHESIS OF VINYLPHOSPHONATES IN WATER <i>Michel Maffei, Aix Marseille Université, CNRS, Marseille, France</i>
O7 10:30 – 10:45 15 min	MIXED-METAL COMPLEXES OF MIXED-VALENT DINUCLEAR RUTHENIUM(II,III) CARBOXYLATE AND TETRACYANIDONICKELATE(II) <i>Masahiro Mikuriya¹, Yusuke Tanaka, Daisuke Yoshioka, and Makoto Handa², ¹Department of Chemistry and Research Center for Coordination Molecule-based Devices, School of Science and Technology, Kwansei Gakuin University, Gakuen, Japan, ²Department of Chemistry, Interdisciplinary Graduate School of Science and Engineering, Shimane University, Nishikawatsu, Japan</i>
O8 10:45 – 11:00 15 min	GENERAL AND APPLIED ASPECTS OF TYROSINASE INHIBITION <i>C. Belle¹, A. Boumendjel², B. Faure³, R. Haudecoeur², R. Hardré³, H. Jamet¹, M. Orio¹, M. Réglie³ and J. A. Simaan³, Université J. Fourier, CNRS, ¹DCM UMR 5250, Grenoble, France, ²DPM UMR 5063, Grenoble, France, ³Aix Marseille Université, CNRS, ISM2 UMR 7313, Marseille, France</i>
11:00 – 11:30	Coffee break
	Chairpersons: Prof. George Filoti , Prof. Anthony Coleman , Dr. hab. Ion Bulhac

O9 11:30 – 11:45 15 min	SILICONE-IRON OXIDE NANOCOMPOSITES WITH IMPROVED DIELECTRIC AND MECHANICAL PROPERTIES, <i>Stiubianu George¹, Iacob Mihail^{1,2}, Tugui Codrin¹, Cazacu Maria¹, Racles Carmen¹, Turta Constantin^{1,2}, ¹Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania, ²The Institute of Chemistry of the Academy of Sciences of Moldova, Chisinau, Republic of Moldova</i>
O10 11:45 – 12:00 15 min	PREPARATION AND CHARACTERIZATION OF POLYMER/CdS NANOSTRUCTURED PHOTOLUMINESCENT FILMS <i>M. Iovu¹, M. Enachescu², I. Culeac¹, V. Verlan¹, S. Robu³, D. Bojin², Iu. Nistor¹, I. Cojocaru¹, ¹Institute of Applied Physics, Chisinau, Republic of Moldova, ²CSSNT, University Politehnica of Bucharest, Bucharest, Romania, ³Moldova State University, Chisinau, Republic of Moldova</i>
O11 12:00 – 12:15 20 min	LINKING {CR₇NI} GREEN WHEELS <i>George F. S. Whitehead¹, Grigore A. Timco¹, Fabrizio Moro¹, Jesús Ferrando Soria¹, Eric J. L. Mcinnes¹, David Collison¹, Richard E. P. Winpenny^{1,2}, ¹School Of Chemistry, The University Of Manchester, Manchester, United Kingdom, ²Photon Science Institute, The University Of Manchester, Manchester, United Kingdom</i>
12:15	End of session
Section II	Analytical and ecological chemistry <i>Address: Institute of Chemistry of the Academy of Sciences of Moldova, Small Hall (Academiei str. 3)</i>
	Chairpersons: Dr. hab. Maria Gontă, Prof. Victor Mukhin, Dr. Viorica Gladchi
O12 9:00 – 9:15 15 min	SCREENING FOR ORGANIC MICROPOLLUTANTS IN THE PRUT RIVER BASIN AT THE ROMANIAN-MOLDAVIAN BORDER <i>Alfredo C. Alder¹, Philipp Longree¹, Jelena Simovic Rota¹, Heinz Singer¹, Igor Povar², Tudor Lupascu², and Zaharie Moldovan³, ¹Eawag, Swiss Federal Institute of Aquatic Science and Technology, Dübendorf, Switzerland, ²Academy of Sciences of Moldova, Institute of Chemistry, Chisinau, Republic of Moldova, ³National Institute for Research and Development of Isotopic and Molecular Technology, Cluj-Napoca, Romania</i>
O13 9:15 – 9:30 15 min	OCCURRENCE OF ORGANIC POLLUTANTS IN PRUT RIVER WATERSHED USING GC/MS SYSTEM <i>Z. Moldovan¹, O. Marincas¹, Veronica Avram¹, Ioana Feher¹, Igor Povar², Tudor Lupascu² and A. C. Alder³, ¹National Institute for Research and Development of Isotopic and Molecular Technology, Cluj-Napoca, Romania, ²Academy of Sciences of Moldova, Institute of Chemistry, Chisinau, Republic of Moldova, ³Swiss Federal Institute of Aquatic Science and Technology, EAWAG, Environmental Chemistry Department, Dübendorf, Switzerland</i>
O14 9:30 – 9:45 15 min	ROLE OF CYCLODEXTRINS IN NEW ANTI-MYCOBACTERIAL COMPOUNDS <i>Veaceslav Boldescu, Fliur Macaev, Gheorghe Duca, Institute of Chemistry of ASM, Chisinau, Moldova</i>
O15 9:45 – 10:00 15 min	ESTIMATION OF ECOLOGICAL PROSPERITY OF AQUATIC ECOSYSTEMS BY VARIOUS METHODS <i>Ruslan Borodaev, Moldova State University, Chisinau, Republic of Moldova</i>

O16 10:00 – 10:15 15 min	COMPOSITE MICROSPHERES BASED ON CHITOSAN AND POLY(VINYL AMINE) WITH SORPTION PROPERTIES CONTROLLED BY THE SYNTHESIS CONDITIONS <i>Ana-Irina Cocârț ă, Ecaterina Stela Drăgan, “Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania</i>
O17 10:15 – 10:30 15 min	ADSORPTION PROBLEMS OF GAS POWER <i>A.A. Fomkin, Frumkin Institute of Physical Chemistry and Electrochemistry, Russian Academy of Science, Moscow, Russia</i>
O18 10:30 – 10:45 15 min	STUDY OF TEXTILE DYES AND AUXILIARY SUBSTANCES CONCENTRATION DIMINUTION PROCESS ON PATTERN SOLUTIONS AND WASTEWATER AT THEIR TREATMENT IN THE CELL WITH INSOLUBLE ANODES AND THEIR FURTHER OXIDATION <i>Maria Gontă, Vera Matveevici, Larisa Mocanu, Viorica Iambertev, Moldova State University, Chisinau, Republic of Moldova</i>
O19 10:45 -11:00 15 min	ALL-BIO NANOMATERIALS BASED ON DNA AND NATURAL CHROMOPHORS FOR BIOPHOTONIC APPLICATIONS <i>Aurelia Meghea¹, Francois Kajzar^{1,2}, Ana-Maria Manea¹, Ileana Rău¹, ¹Faculty of Applied Chemistry and Materials Science, University Politehnica of Bucharest, Bucharest, Romania, ²Institut des Sciences et Technologies Moléculaires d’Angers, Angers University, Angers Cedex, France</i>
11:00 – 11:30	Coffee break
	Chairpersons: Prof. Alfredo Alder , Prof. Aurelia Meghea , Dr. Zaharie Moldovan
O20 11:30 – 11:45 15 min	ACTIVE CARBONS FROM VEGETAL RAW MATERIALS SOLVE ECOLOGICAL PROBLEMS <i>V.M. Mukhin¹, N.L. Voropaeva², Yu. Ya. Spiridonov³, N.I. Bogdanich⁴, V.V. Guryanov¹, Laboratory OAO “ЭНПО «Neorganika”, Elektrostal, ²ГНУ “ВНИИ рарца Россельхозакадемии”, Lipetsk, Russian Federation, ГНУ “ВНИИ фитопатологии РАСХН”, Moscow region, Russian Federation, Northern Arctic Federal University, Arhangelsk, Russian Federation</i>
O21 11:45 – 12:00 15 min	ADVANCE IN PREDICTION OF STRUCTURE AND PROPERTIES OF CARBON SORBENTS IN MODERN TECHNOLOGIES <i>G.A.Petukhova, V.V. Gur’yanov, Institute of Physical Chemistry and Electrochemistry of A.N.Frumkina of the Russian Academy of Sciences, Russian Federation</i>
O22 12:00 – 12:15 15 min	FACTORS, AFFECTING THE PROCESS OF DEALKALIZATION OF INDUSTRIAL GLASSES WITH FLUORINE- AND CHLORINE-CONTAINING REAGENTS <i>Gheorghe Duca, Vasiliu Sharagov, Galina Curicheru, Alecu Russo Balti State University, 38, Pushkin str., Balti, MD-3100, Republic of Moldova</i>
O23 12:15 – 12:30 15 min	RELATIONSHIP BETWEEN THE NITROGEN MINERAL FORMS AND ORGANIC MATTER IN NATURAL SURFACE WATERS <i>P. Spataru and Ana Trancalan, Institute of Chemistry, Academy of Science of Moldova</i>
O24 12:30 – 12:45 15 min	EVALUATION OF WATER POLLUTION STATUS DUE TO AGRICULTURAL ACTIVITIES IN THE SIRET HYDROGRAPHICAL BASIN (SUCEAVA REGION) <i>Carmen Zaharia, “Gheorghe Asachi” Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Environmental</i>

	<i>Engineering and Management, Iasi, Romania</i>
O25 12:45 – 13:00 15 min	REMOVAL OF REMAZOL ROSSO RB DYE FROM AQUEOUS EFFLUENTS BY HOMOGENOUS FENTON OXIDATION PROCESSES <i>Carmen Zaharia¹, Victoria Fedorcea¹, Adrian Beda¹, Victor Amarandei² and Augustin Mureş an², ¹“Gheorghe Asachi” Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management, Iasi, Romania, ²“Gheorghe Asachi” Technical University of Iasi, Faculty of Textiles, Leathers and Industrial Management, Iasi, Romania</i>
O26 13:00 – 13:15 15 min	FUNCTIONALIZED SILICA SUBMICROPARTICLES: SYNTHESIS, STRUCTURE, PROPERTIES <i>I.V. Melnyk, Yu.L. Zub, Chuiko Institute of Surface Chemistry, National Academy of Sciences of Ukraine, Kyiv, Ukraine</i>
O27 13:15 – 13:30 15 min	EURASIAN MINERAL WATER: MATHEMATICAL MODELING, CLASSIFICATION AND ASSESSMENT OF THEIR IMPACT ON THE BIOCHEMICAL COMPOSITION OF HUMAN BLOOD <i>N. Kornilov, E. Kornilova, E. Stepanenko, Stavropol State Agrarian University, Russia</i>
13:30	End of session
13:30 – 15:00	Lunch Address: Café “Crizantema”, Academiei str. 1a, nearby Institute of Chemistry
Section III	Organic and bioorganic chemistry
	<i>Address: Institute of Chemistry of the Academy of Sciences of Moldova, Hall 340 (Academiei str. 3)</i>
	Chairpersons: Prof. Alexandr Garabadjiu, Prof. Ionel Mangalagiu, Dr. hab. Aculina Aricu
O28 9:00 -9:15 15 min	SYNTHESIS OF HYBRID TERPENO-AZAHETEROCYCLIC COMPOUNDS <i>Alexandru Ciocarlan¹, Aculina Aricu¹, Lidia Lungu¹, Alic Barba¹, Elena Gorincioi¹, Raluca Popescu², Oana Dinca², Gheorghita Zbancioc³, Costel Moldoveanu³ and Ionel Mangalagiu³, ¹Institute of Chemistry, Academy of Sciences of Moldova, Chisinau, Moldova, ²National Research and Development Institute for Cryogenics and Isotopic Technologies, Ramnicu Valcea, Romania, ³“Alexandru I. Cuza” University, Faculty of Chemistry, Organic Chemistry Department, Iasi, Romania</i>
O29 9:15 -9:30 15 min	UNUSUALLY PENDANT-PRENYLATED CYCLIC TERPENOIDS – AN EMERGING CLASS OF NATURAL PRODUCTS WITH A BROAD SPECTRUM OF BIOLOGICAL ACTIVITY <i>Veaceslav Kulcitki, Petru Harghel and Nicon Ungur, Institute of Chemistry of the Academy of Sciences of Moldova, Chisinau, Republic of Moldova</i>
O30 9:30 -9:45 15 min	NEW TANDEM SYNTHESIS OF LIGNAN STRUCTURAL ANALOGS <i>M.D. Obushak¹, Yu.I. Horak¹, Yu.V. Homza¹, A.R. Vakhula¹, F.Z. Macaev², R.Z. Lytvyn¹, ¹Ivan Franko National University of Lviv, Lviv, Ukraine, ²Institute of Chemistry of the Academy of Sciences of Moldova, Chisinau, Moldova</i>
O31 9:45 - 10:00	SYNTHESIS OF MICONAZOLE, ECONAZOLE AND THEIR NITROGEN ANALOGUES USING IONIC LIQUIDS

15 min	<i>Serghei Pogrebnoi, Institute of Chemistry of the Academy of Science of Moldova, Chisinau, Republic of Moldova</i>
O32 10:00 - 10:15 15 min	CHARACTERIZATION OF NANOPARTICLES MADE OF BLOCK COPOLYMERS <i>Magdalena Cristina Stanciu, Marieta Nichifor, "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania</i>
10:15	End of session
11:00 – 11:30	Coffee break
11:30 – 13:30	Poster session. <i>Section III. Organic and bioorganic chemistry (P139-P170)</i> Address: Institute of Chemistry of ASM, Entrance Hall (Academiei str., 3)
13:30 – 15:00	Lunch Address: Café “Crizantema”, Academiei str. 1a, nearby Institute of Chemistry

15:00 – 17:00	Poster session. <i>Section I. Inorganic and physical chemistry (P001 – P090)</i> <i>Section II. Analytical and ecological chemistry (P091 – P138)</i> Address: Institute of Chemistry of ASM, Entrance Hall (Academiei str., 3)
17:00	Closing ceremony Address: Institute of Chemistry of the Academy of Sciences of Moldova, Main Hall (Academiei str. 3)
18:00	Conference dinner Address: Café “Crizantema”, Academiei str. 1a, nearby Institute of Chemistry

POSTER PRESENTATIONS

Section I. Inorganic and physical chemistry (P001-P090)

	Moderators: Prof. Vladimir Gelmboldt, Dr. Vasile Lozan, Dr. Victor Tsapkov
P001	A STUDY OF CONFORMATIONAL DYNAMICS OF THE HUMAN LACTOFERRIN PROTEIN BASED ON MOLECULAR DYNAMICS SIMULATIONS <i>Lilia Anghel¹, Raul Victor Erhan^{2,3}, Gheorghe Duca⁴, ¹Institute of Chemistry of Academy of Science of Moldova, Chisinau, Republic of Moldova, ²Horia Hulubei National Institute for R&D Physics and Nuclear Engineering, Bucharest, Romania, ³Joint Institute for Nuclear Research, Dubna, Russia, ⁴Academy of Science of Moldova, Chisinau, Republic of Moldova</i>
P002	DFT STUDY OF THE ENTIRE REACTION CYCLE OF H₂O₂ DECOMPOSITION AND O₂ GENERATION CATALYZED BY FENTON REAGENT <i>Ion Arsene and Natalia Gorinchoy, Institute of Chemistry of Academy of Sciences of Moldova, Chisinau, Republic of Moldova</i>
P003	SOLID STATE PHOTOCHROMISM AND THERMOCHROMISM OF TWO RELATED N-SALICYLIDENE ANILINES <i>Mihaela Avadanei¹, Vasile Cozan¹, Sergiu Shova¹, José António Paixão², ¹"P.Poni" Institute of Macromolecular Chemistry, Iasi, Romania, ²Faculty of Sciences and</i>

	<i>Technology, Department of Physics, University of Coimbra, Portugal</i>
P004	LOW-TEMPERATURE INFRARED STUDY OF STRUCTURAL CHANGES IN N-SALICYLIDENE-P-CARBOXYANILINE UNDER HG LAMP AND LASER IRRADIATION <i>Mihaela Avadanei¹, Vasile Cozan¹, Ana Borba², Rui Fausto², ¹"P.Poni" Institute of Macromolecular Chemistry, Iasi, Romania, ²Faculty of Sciences and Technology, Department of Chemistry, University of Coimbra, Portugal</i>
P005	SYNTHESIS AND ANTIPROLIFERATIVE ACTIVITY OF COORDINATION COMPOUNDS OF COBALT, COPPER AND NICKEL WITH THIOSEMICARBAZONE AND 4-PHENYL-THIOSEMICARBAZONE 6-METHYL-2- PYRIDINE CARBOXALDEHYDE, 6-BROMINE-2- PYRIDINE CARBOXALDEHYDE AND 2-ACETYL PYRIDINE <i>Natalia Bairac, State University of Moldova, Chisinau, Republic of Moldova</i>
P006	SYNTHESIS AND PROPERTIES OF NICKEL AND COPPER COORDINATION COMPOUNDS WITH ISATIN β-(N-PYRIDIN-2-YL)THIOSEMICARBAZONE <i>Birca Maria, Gulea Aurelian, Codita Tatiana, Melnic Alexandra, State University of Moldova, Chisinau, Moldova</i>
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P159	SYNTHESIS OF SOME DIHOMODRIMANE AND 14,15-DINORLABDANE TERPENOIDS WITH THE AMINO-GROUP <u>K.I. Kuchkova</u> , <u>A.N. Aricu</u> , <u>E.S. Secara</u> , <u>A.N. Barba</u> , <u>N.D. Ungur</u> , <u>P.F. Vlad</u> , <i>Institute of Chemistry, Academy of Sciences of the Republic of Moldova, Chisinau, Republic of Moldova</i>
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P163	SOME FEATURES OF PHOTOELECTRIC AND INFORMATIONAL PROPERTIES OF COMPOSITES BASED ON NON-PHOTOCONDUCTING VINYL POLYMERS DOPED WITH TRIARYLMETHANE DYES <u>S.L. Studzinsky</u> , <i>Kiev Taras Shevchenko National University, Kiev, Ukraine</i>
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P165	<p>BIOLOGICALLY ACTIVE PYRROLIDINE IMINOSUGARS. STEREOCHEMICAL ASPECTS Anca Hirtopeanu, Carmen Stavarache, <u>Florina Teodorescu</u>, Carmen Mitan, Calin Deleanu, Isabela Man and Laszlo Tarko, „C.D. Nenitzescu” Center of Organic Chemistry, Romanian Academy, Bucharest, Romania</p>
P166	<p>ANTIMICROBIAL REAGENTS AS FUNCTIONAL FINISHING FOR TEXTILES INTENDED FOR BIOMEDICAL APPLICATIONS. I. SYNTHETIC ORGANIC COMPOUNDS <u>Mădălina Zănoagă</u>, Fulga Tanasă, "Petru Poni" Institute of Macromolecular Chemistry, Iași, România</p>
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SOCIAL EVENTS

- Wendesday, May 28**
18:00 Welcome reception for all participants and accompanying persons. Main edifice of the Academy of Sciences of Moldova, Golden Hall (bd. Stefan cel Mare, 1)
(included in the fee)
- Thursday, May 29**
16:30 Excursion to *Cricova* winery. Departure from the Academy of Sciences of Moldova, bd. Stefan cel Mare, 1
(45 Euro per person)
- Friday, May 30**
18:00 Conference dinner in Café ‘Crizantema’, Academiei str. 1A, nearby Institute of Chemistry
(20 Euro per person)