

# Program of the International conference «Chemistry of Organoelement Compounds and Polymers 2019»

18/11/19, Monday

09:20-10:00	<b>Registration</b> (Moscow, 28 Vavilova str.)	
10:00-10:25		<b>Opening Ceremony Chair: Alexander Trifonov</b>
10:30-10:55	<b>PL-15</b>	<b>Dynamic catalytic systems for advanced synthetic applications</b> <i>Valentine P. Ananikov</i> Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, Russia
11:00-11:25	<b>PL-2</b>	<b>Polymers in supercritical media: synthesis, modification, and processing</b> <i>Alexei R. Khokhlov, Marat O. Gallyamov</i> Faculty of Physics, Lomonosov Moscow State University,
<b>11:30-11:50</b>	<b>Coffe break</b>	
	<i>Chair: Olga Fedorova</i>	
12:00-12:25	<b>PL-3</b>	<b>Beyond single-site catalysts. Through surface organometallic chemistry</b> <i>Christophe Copéret</i> ETH Zürich, Department of Chemistry and Applied Biosciences, Switzerland
12:30-12:55	<b>PL-4</b>	<b>Visible light photocatalysis for organic synthesis</b> <i>Burkhard König</i> Faculty of Chemistry and Pharmacy, University of Regensburg, Germany
13:00-14:20	<b>Lunch</b>	
	<i>Chair: Vladimir P. Fedin</i>	
14:30-14:55	<b>PL-5</b>	<b>Homolytically weak metal-carbon bonds and the persistent radical effect in metal-mediated radical polymerization</b> <i>Rinaldo POLI</i> Laboratoire de Chimie de Coordination – CNRS, France
15:00-15:25	<b>PL-6</b>	<b>Alkaline earth metal organometallics: from polymerization to catalysis</b> <i>Sjoerd HARDER</i> Universität Erlangen-Nürnberg, Germany
15:30-15:55	<b>PL-7</b>	<b>Alkane functionalization, the avenir of a new era in organic</b>

		<b>synthesis?</b> <u>Armando J. L. Pombeiro</u> Instituto Superior Técnico, Universidade de Lisboa, Portugal
<b>16:00-16:20</b>	<b>Coffee break</b>	
	<i>Chair: Vladimir Bregadze</i>	
16:30-16:55	<b>PL-8</b>	<b>Metal-organic frameworks: chemical design and multifunctional properties</b> <u>Vladimir P. Fedin</u> Nikolaev Institute of Inorganic Chemistry SB RAS, Russia
17:00-17:15	<b>O-1</b>	<b>The influence of ortho-substituents on the properties of phenylboronic acids</b> <u>Andrzej Sporzyński, Agnieszka Adamczyk-Woźniak</u> Warsaw University of Technology, Poland
17:20-17:35	<b>O-2</b>	<b>The role of hydrogen-bonding in the structure and properties of compounds</b> <u>M. Fátima C. Guedes da Silva, Kamran Mahmudov</u> Universidade de Lisboa, Portugal
<b>17:40</b>	<b>Welcome Party</b>	

## 19/11/19, Tuesday

		<i>Chair: Aziz Muzafarov</i>
10:00-10:25	<b>PL-9</b>	<b>Billion times more active atp catalyts and benign initiation systems</b> <i>Krzysztof Matyjaszewski</i> Carnegie Mellon University, Center for Macromolecular Engineering, Pittsburgh
10:30-10:55	<b>PL-10</b>	<b>Active and passive mesoscale structures by comb copolymers</b> <i>Martin MOELLER</i> , <i>Cesar Rodriguez Emmenegger</i> INEOS RAS,Russia, DWI – Leibniz-Institut for Interactive, Germany
11:00-11:25	<b>PL-11</b>	<b>Bottlebrush bridge between soft gels and firm tissues</b> <i>Sergei S. SHEIKO</i> , <i>Andrew N. Keith</i> , <i>Mohammad Vatankhah-Varnosfaderani</i> , <i>Dimitri A. Ivanov</i> , <i>Andrey V. Dobrynin</i> University of North Carolina at Chapel Hill, USA
<b>11:30-11:50</b>	<b><i>Coffee break and Poster session (Polymers)</i></b>	
		<i>Chair: Martin Moeller</i>
12:00-12:25	<b>PL-12</b>	<b>Functional and responsive polymer modified inorganic nanoparticles</b> <i>Maria Vamvakaki</i> Institute of ElectronicStructure& Laser, FORTH, Greece
12:30-12:55	<b>PL-13</b>	<b>50 years of hypercrosslinked polystyrene: from a non-trivial idea to industrial applications</b> <i>Vadim Davankov</i> Nesmeyanov-Institute of Organoelement Compounds, Russian Academy of Sciences, Moscow
<b>13:00-14:20</b>	<b><i>Lunch</i></b>	
		<i>Chairs: Zinaida Shifrina (Room-1) and Burkhard König (Room-2)</i>
14:30-14:45 Room-1	<b>O-3</b>	<b>Self-healing polymers based on revesible diels-alder reaction</b> <i>Alexander Polezhaev</i> , <i>Elena Platonova</i> , <i>Daria Zakharova</i> , <i>Natalia Karelina</i> , <i>Alexey Kireynov</i> , <i>Evgeniy Vlasov</i> , <i>Tuyara Petrova</i> , <i>Vitaly Solodilov</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia and Bauman Moscow State Technical University
14:30-14:45 Room-2	<b>O-4</b>	<b>New molecular clusters based on lanthanide carboxylates</b> <i>Dimitry Grebenyuk</i> , <i>Dmitry Tsybarenko</i> Lomonosov Moscow State University, Russia
14:50-15:05 Room-1	<b>O-5</b>	<b>Organoelement compounds meet organic polymers - polyalkoxysiloxane-assisted heterophase polymerization</b>

		<i>Xiaomin Zhu, Yongliang Zhao, Zhi Chen, Martin Möller</i> DWI – Leibniz-Institute for Interactive Materials e.V., Germany
14:50-15:05 Room-2	<b>O-6</b>	<b>Rare-earth metal complexes supported by bis(amidinate) ligands and their role in cyclic ethers polymerization</b> <i>Anastasia Sachkova, Aleksei Tolpygin, Alexander Trifonov</i> National Research Lobachevsky State University of Nizhny Novgorod / Institute of Organometallic Chemistry of Russian Academy of Sciences, Russia
15:10-15:25 Room-1	<b>O-7</b>	<b>Oligochitosan: prospect for applications</b> <i>Vladimir Tikhonov, Evgeniya A. Bezrodnykh, Oxana V. Vyshivannaya, Boris B. Berezin, Inesa V. Blagodatskikh</i> Nesmeyanov-Institute of Organoelement Compounds, Russian Academy of Sciences, Moscow
15:10-15:25 Room-2	<b>O-8</b>	<b>Synthesis of symmetric and non-symmetric nickel(ii) pecep (e = s, o) pincer complexes</b> <i>Patrick Hasche, Anke Spanenberg, Torsten Beweries</i> Leibniz-Institute for Catalysis at the University of Rostock, Germany
15:30-15:45 Room-1	<b>O-9</b>	<b>Graphite oxide as a polymer-like substance with a unique 3d structure</b> <i>Yulia V. Novakovskaya</i> Moscow State University, Russia
15:30-15:45 Room-2	<b>O-10</b>	<b>Rare-earth bis(alkyl)complexes containing tridentate amidopyridinate ligand</b> <i>Galina Gurina, Alexander Kissel, Dmitry Lyubov Alexander Trifonov, Lapo Luconi, Giuliano Giambastiani</i> G. A. Razuvaev Institute of Organometallic Chemistry, Russia
15:50-16:05 Room-1	<b>O-11</b>	<b>Amazing gel materials – poly(vinyl alcohol) cryogels</b> <i>V.I. Lozinsky, L.G. Damshkaln, O.Yu. Kolosova, D.A. Michurov, E.A. Podorozhko</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
15:50-16:05 Room-2	<b>O-12</b>	<b>Fluorene effect on metal complex-catalyzed reductive amination of carbonyl compounds</b> <i>Vladimir Kharitonov; Denis Chusov, Dmitry Loginov</i> A. N. Nesmeyanov Institute of Organoelement Compounds, Dmitry Mendeleev University of Chemical Technology of Russia, Russia
<b>16:10-16:30</b>	<b>Coffee break and Poster session (Polymers)</b>	
	Chairs: <i>Olga Shchegolikhina</i> (Room-1) and <i>Pavel Panchenko</i> (Room-2)	
16:40-16:55	<b>O-13</b>	<b>Hyper-crosslinked polystyrene as a support for mono- and bimetallic palladium-containing particles active in suzuki</b>

Room-1		<p><b>cross-coupling</b></p> <p><i>Linda Nikoshvili, Alexey Bykov, Elena Bakhvalova, Nadezhda Nemygina, Mikhail Sulman</i></p> <p>Tver State Technical University, Russia</p>
16:40-16:55 Room-2	<b>O-14</b>	<p><b>Parametrization of phosphine ligands to reveal an explanation of selectivity in hydrosilylation reaction of platinum complexes</b></p> <p><i>Ruslan Yu. Lukin, Aleksander D. Kachmarzhik, Dmitry G. Yakhvarov</i></p> <p>Kazan Federal University, Kazan</p>
17:00-17:15 Room-1	<b>O-15</b>	<p><b>Electrospun pyropolymer carbon nanofiber composite electrodes for ht-pem fuel cells</b></p> <p><i>Kirill Skupov, Igor Ponomarev, Olga Zhigalina, Alexander Modestov, YuryVolfkovich, Ivan Ponomarev, Victoria Basu, Alena Sufiyanova, Yulia Volkova, Dmitry Razorenov, Valentin Sosenkin, Alexander Naumkin</i></p> <p>A. N. Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences, Russia</p>
17:00-17:15 Room-2	<b>O-18</b>	<p><b>Synthesis and catalytic activity study of cyanophenoxy-phthalocyanine sulfonated derivatives</b></p> <p><i>Dmitry Erzunov, Svetlana Tonkova, Anastasia Belikova, Arthur Vashurin</i></p> <p>Ivanovo State University of Chemistry and Technology, Russia</p>
17:20-17:35 Room-1	<b>O-17</b>	<p><b>Polymerization of 1-trimethylsilyl-1-propyne catalyzed by Niobium and Tantalum pentahalogenides: the effect of catalytic system on configuration, supermolecular organization and properties of polymer</b></p> <p><i>Samira Matson, Anton Kossov, Vladimir Makrushin, Elena Litvinova, Valeriy Khotimskiy</i></p> <p>A.V.Topchiev Institute of Petrochemical Synthesis, Russia</p>
17:20-17:35 Room-2	<b>O-20</b>	<p><b>Ruthenium (ii) complexes of 2-substituted imidazo-1,10-phenanthrolines as photosensitizers of inorganic semiconductors</b></p> <p><i>Sergey Tokarev, Olga Fedorova, Yuri Fedorov, Gediminas Jonusauskas, Marina Rummyantseva</i></p> <p>A.N. Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences, Russia</p>
17:40-17:55 Room-1	<b>O-21</b>	<p><b>Low Density Aerogel Preparation from Dianoformaldehyde Polymer</b></p> <p><i>E. E. Sheveleva, V.G. Pimenov, I.V. Blagodatskikh, O.V. Vishinannaja, A. M. Sakharov</i></p> <p>N.D. Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, Russia</p>

17:40-17:55 Room-2	<b>O-22</b>	<b>Towards an explanation of discrepancies involving podipy: Why 31P NMR spectra don't match up?</b> <i>Artyom Shagurin, Sergey Usoltsev, Yuriy Marfin</i> Ivanovo State University of Chemistry and Technology, Russia
-----------------------	-------------	---

**20/11/19, Wednesday**

		<i>Chair: Sjoerd Harder</i>
10:00-10:25	<b>PL-14</b>	<b>Iron catalyzed carbon-carbon bond forming reactions</b> <i>Paul J. Chirik, C. Rose Kennedy, Megan Mohadjer Beromi, Jordan M. Hoyt</i> Department of Chemistry, Princeton University, USA
10:30-10:55	<b>PL-16</b>	<b>Easy access to metal-N-heterocyclic carbene catalysts</b> <i>Steven P. Nolan</i> Department of Chemistry, Ghent University, Belgium
<b>11:00-11:50</b>	<b>Coffee break and Poster session (Organoelement Compounds)</b>	
		<i>Chair: Natalia Belkova</i>
12:00-12:25	<b>PL-17</b>	<b>Shuttle Catalysis – a Conceptual Blueprint for Reversible Functional Group Transfer</b> <i>Prof. Dr. Bill Morandi</i> ETH Zürich, Germany
12:30-12:55	<b>PL-18</b>	<b>Intramolecular catalyst transfer on functional groups</b> <i>T. Yokozawa, N. Harada, T. Kamigawara, H. Sugita, Y. Ohta</i> Department of Materials and Life Chemistry, Kanagawa University, Japan
<b>13:00-14:40</b>	<b>Lunch</b>	
		<i>Chairs: Chunming Cui (Room-1) and Alexander Polezhaev (Room-2)</i>
14:30-14:45 Room-1	<b>O-39</b>	<b>“Chiral-at-metal” octahedral Cobalt(III) complexes as “organocatalysts in disguise” for asymmetric reactions</b> <i>Vladimir A. Larionov, Victor I. Maleev, Yuri N. Belokon</i> Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences, Russian
14:30-14:45 Room-2	<b>O-16</b>	<b>Ligand-to-metal charge transfer excited states in organometallic compounds</b> <i>Galina V. Loukova</i> Institute of Problems of Chemical Physics, Russia
14:50-15:05 Room-1	<b>O-23</b>	<b>Mechanistic insights into iron pnp complex catalysed amine borane dehydropolymerisation</b> <i>Torsten Beweries, Felix Anke, Delong Han, Susanne Boye, Alben Lederer</i> Leibniz-Institut für Katalyse e.V. an der Universität Rostock, Germany
14:50-15:05	<b>O-24</b>	<b>Bacterial cellulose/chitosan composites with metal nanoparticles obtained by methods of green chemistry</b>

Room-2		<i>Marina Pigaleva, Margarita Rubina, Ilya Novikov, Butenko I.E., Alexander Budnikov, Alexander Naumkin, Alexander Vasil'kov, Tatiana Gromovykh, Lutsenko S.V., Marat Gallyamov</i> Lomonosov Moscow State University, Russia
15:10-15:25 Room-1	<b>O-25</b>	<b>Late transition metal catalyzed reactions under solvent-free conditions</b> <i>M.S. Nechaev, A.F. Asachenko, M.A. Topchiy, S.A. Rzhnevskiy, A.A. Ageshina</i> Moscow State University, Russia
15:10-15:25 Room-2	<b>O-26</b>	<b>Oligo- and polydimethylsiloxane derivatives based on renewable natural resources</b> <i>Drozdov Fedor, Ryzhkov Alexey, Milenin Sergey, Ardabevskaia Sofia, Demchenko Nina, Buzin Igor, Muzafarov Aziz</i> Institute of Synthetic Polymeric Materials, a foundation of the Russian Academy of Sciences (ISPM RAS), Russia
15:30-15:45 Room-1	<b>O-27</b>	<b>Visualizing polymer dynamics with fluxional organometallic sensors</b> <i>Georgy A. Filonenko</i> Inorganic Systems Engineering group, The Netherlands
15:30-15:45 Room-2	<b>O-28</b>	<b>Dendron-functionalized hybrid organic-inorganic catalysts</b> <i>Svetlana A. Sorokina, Nina V. Kuchkina, Irina Yu. Krasnova, Linda Zh. Nikoshvili, Lyudmila M. Bronstein, Zinaida B. Shifrina</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Russia
15:50-16:05 Room-1	<b>O-29</b>	<b>Intramolecular ligand-ligand interaction as a driving force of isomerism of triptycene iridium pincer complexes</b> <i>Vladislava A. Kirkina, Dmitri Gelman, Gleb A. Silantyev, Alexander A. Pavlov, Oleg A. Filippov, Natalia V. Belkova, Elena S. Shubina</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Russia
15:50-16:05 Room-2	<b>O-30</b>	<b>New organosilicon compounds on the base of functional stereoregular organocyclosilsequioxanes</b> <i>Anton Anisimov, Yulia Vysochinskaya, Yuriy Kononevich, Andrey Zaytsev, Valentina Ol'shevskaya, Olga Shchegolikhina, Aziz Muzafarov</i> A. N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Russia
<b>16:10-16:30</b>	<b>Coffee break and Poster session (Organoelement Compounds)</b>	
		<i>Chairs: Mikhail Nechaev (Room-1) and Alexander Pavlov (Room-2)</i>
16:40-16:55 Room-1	<b>O-31</b>	<b>Reductive Addition without an external hydrogen source</b> <i>Oleg Afanasyev, Alexey Tsygankov, Sofiya Runikhina, Evgeniya</i>



		<i>Podyacheva, Maria Makarova, Denis Chusov</i> A.N. Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences, Russia
16:40-16:55 Room-2	<b>O-32</b>	<b>Poly(ionic liquid)s as solid electrolytes</b> <i>Denis Ponkratov, Alexandr Shaplov, Elena Lozinskaya, Yakov Vygodskii</i> A.N. Nesmeyanov Institute of Organoelement Compounds Russian Academy of Sciences, Russia
17:00-17:15 Room-1	<b>O-33</b>	<b>NCsp<sup>3</sup>N pincer type complexes of rare and alkaline earth metals – from synthesis to catalytic application</b> <i>Dmitry Lyubov, Dmitry Khristolyubov, Ahmad Fayoumi, Alexander Trifonov</i> Institute of Organometallic Chemistry of Russian Academy of Sciences, Nizhny Novgorod, Russia
17:00-17:15 Room-2	<b>O-34</b>	<b>Increase of fire resistance of polyfoams based on epoxy-novolac resin</b> <i>Julia Rudnitskaya, Dmitry Panfilov</i> St. Petersburg State Institute of Technology, Russia
17:20-17:35 Room-1	<b>O-35</b>	<b>Non-covalent interactions in stoichiometric and catalytic reactions of iridium pincer complexes</b> <i>Elena Osipova, Ekaterina Gulyaeva, Oleg Filippov, Elena Shubina, Natalia Belkova</i> A.N. Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences, Russia
17:20-17:35 Room-2	<b>O-36</b>	<b>Thermostable trifunctional phthalonitrile resin</b> <i>Maxim Yakovlev, Oleg Morozov, Boris Bulgakov, Alexey Kepman, Alexander Babkin</i> Faculty of Materials Science, Moscow State University, Russia
17:40-17:55 Room-1	<b>O-37</b>	<b>New approaches to generation of aminoheterocycles</b> <i>Dmitrii S. Bolotin</i> Institute of Chemistry, Saint Petersburg State University, Russia
17:40-17:55 Room-2	<b>O-38</b>	<b>Qualitative differences of thz absorption spectra of linear and branched polymers</b> <i>Anna Semenova, Vladimir Vaks, Yulia Guseva, Daria Babarina, Svetlana Morunova, Andrey Vilkov</i> Institute for Physics of Microstructures RAS, Nizhny Novgorod, Russia
18:00-18:15 Room-2	<b>O-40</b>	<b>The Conformation of Amphiphilic Polymer Spherical Brushes attached to a nanoparticle</b> <i>Alexandra Ushakova, Elena Govorun, Wan-Fen Pu, Valentina Vasilevskaya</i> Nesmeyanov Institute of Organoelement Compounds of Russian

		Academy of Sciences, Russian
--	--	------------------------------

**21/11/19, Thursday**

		<i>Chair: Yuri Belokon</i>
10:00-10:25	<b>PL-19</b>	<b>Non-covalent interactions IN stoichiometric and catalytic reactions of metal hydrides</b> <i>Natalia V. Belkova, Oleg A. Filippov, Lina M. Epstein, Elena S. Shubina</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Russia
10:30-10:55	<b>PL-20</b>	<b>Design and Synthesis of Chiral Covalent Organic Frameworks</b> <i>Yong Cui</i> School of Chemistry and Chemical Engineering, China
11:00-11:25	<b>PL-26</b>	<b>Functional molecular switches involving tetrapyrrolic macrocycles</b> <i>Yulia G. Gorbunova</i> N.S. Kurnakov Institute of General and Inorganic Chemistry, Russian Academy of Sciences, Russia
<b>11:30-11:50</b>	<b>Coffee break</b>	
		<i>Chair: Yong Cui</i>
12:00-12:25	<b>PL-22</b>	<b>Current state of chemistry of pentacoordinated phosphorus compounds</b> <i>Vladimir F. Mironov, Mudaris N. Dimukhametov, Nadezhda R. Khasiyatullina, Yana S. Blinova</i> A.E. Arbuzov Institute of Organic and Physical Chemistry, FRC Kazan Scientific Center of the Russian Academy of Sciences, Russia
12:30-12:55	<b>PL-23</b>	<b>Synthesis of Ene-diamido Rare earth complexes and their catalytic applications</b> <i>Jinxi Liu, Wufeng Chen, Jianfeng Li, Chunming Cui</i> Nankai University, China
<b>13:00-14:20</b>	<b>Lunch</b>	
		<i>Chairs: Dmitry Perekalin (Room-1) and Elena Shubina (Room-2)</i>
14:30-14:45 Room-1	<b>O-41</b>	<b>Some aspects of hypercoordinated 14 group elements chemistry: reactivity, structure and properties</b> <i>Vadim Negrebetsky, Alexander Korlyukov, Eugene Kramarova, Yuri Baukov</i> Chemical Department, NI Pirogov Russian National Research Medical University, Russia
14:30-14:45	<b>O-42</b>	<b>On the way to molecular switches: intramolecular stabilization of rotamers in transition metal bis(dicarbollide)</b>

Room-2		<b>complexes</b> <u>Igor B. Sivaev, Sergey A. Anufriev, Sergey V. Timofeev, Irina D. Kosenko</u> A.N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Russia
14:50-15:05 Room-1	<b>O-43</b>	<b>Metal complexes based on polydentate O-, N-, S-ligands: synthesis, structure, properties</b> <u>Kirill V. Zaitsev</u> Chemistry Department, Moscow State University, Russia
14:50-15:05 Room-2	<b>O-44</b>	<b>Ruthenacarboranes with di- and triphosphine ligands: synthesis and interplay between exo-nido-, closo- and pseudocloso- isomers</b> <u>Ivan Grishin</u> Lobachevsky State University of Nizhny Novgorod, Russia
15:10-15:25 Room-1	<b>O-45</b>	<b>Transmetallation as a syntetic route to group 13 carbene complexes</b> <u>Igor V. Kazakov, Vladymir N. Mikhaylov, Alexey Y. Timoshkin</u> St. Petersburg State University, Russia
15:10-15:25 Room-2	<b>O-46</b>	<b>Novel synthetic approach to charge-compensated nido-carborane ligands</b> <u>Marina Stogniy, Svetlana Erokhina, Igor Sivaev, Vladimir Bregadze</u> A.N. Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Science, Russia
15:30-15:45 Room-1	<b>O-47</b>	<b>Stability and reactivity of the binuclear germylenes bearing N,N- and N,O-donor ligands</b> <u>Grigory Zhigulin, Anton Lukoyanov, Sergey Ketkov</u> G.A. Razuvaev Institute of Organometallic Chemistr, Russia
15:30-15:45 Room-2	<b>O-48</b>	<b>Brain as a target for bioactive ferrocene-based compounds</b> <u>Lubov V. Snegur, Alexey N. Rodionov, Yulia V. Dobryakova, V.A. Markevich, M.M. Ilyin, and Alexander A. Simenel</u> A.N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Russia
15:50-16:05 Room-1	<b>O-49</b>	<b>Triphenylsilyl and triphenylgermyl hydroperoxides as the first examples of structurally characterised Si and Ge hydroperoxides</b> <u>Dmitry A. Grishanov, Alexander G. Medvedev, Alexey A. Mikhaylov, Andrei V. Churakov, Ovadia Lev, Petr V. Prikhodchenko</u> Kurnakov Institute of General and Inorganic Chemistry, Russian Academy of Sciences, Russia
15:50-16:05	<b>O-50</b>	<b>N2O as a Reagent in Synthetic Chemistry</b>

Room-2		<u>Alexander G. Tskhovrebov</u> N.N. Semenov Federal Research Center for Chemical Physics, Russian Academy of Sciences, Russia
<b>16:10-16:30</b>	<b>Coffee break</b>	
		<i>Chairs: Denis Chusov (Room-1) and Igor Sivaev (Room-2)</i>
16:40-16:55 Room-1	<b>O-51</b>	<b>The first all-C-deprotiotitanacyclobutadiene?</b> <u>Fabian Reiß, Melanie Reiß, Jonas Bresien, Anke Spannenberg, Haijun Jiao, Wolfgang Baumann, Perdita Arndt, Torsten Beweries</u> Leibniz Institute for Catalysis at the University of Rostock, Germany
16:40-16:55 Room-2	<b>O-52</b>	<b>Investigation of physicochemical and catalytic properties of zeolitic imidazolate frameworks</b> <u>Maria N. Timofeeva, Ivan A. Lukoyanov, Valentina N. Panchenko, Sung Hwa Jung</u> Institute of catalysis SB RAS, Russia
17:00-17:15 Room-1	<b>O-53</b>	<b>Interaction of the Buchwald seven-membered zirconacyclocumulene complex with carbonyl compounds</b> <u>Maxim V. Andreev, Vladimir V. Burlakov, Vyacheslav S. Bogdanov, Alexander F. Smol'yakov, Vladimir B. Shur</u> A. N. Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences, Russia
17:00-17:15 Room-2	<b>O-54</b>	<b>P*,S-bidentate diamidophosphites for asymmetric palladium catalysis</b> <u>Konstantin Gavrilov, Sergey Zheglov, Vladislav K. Gavrilov, Marina Maksimova, Nataliya Goulioukina</u> Department of Chemistry, Ryazan State University named for S. Esenin, Russia
17:20-17:35 Room-1	<b>O-66</b>	<b>Photophysical characteristics of bodipy luminophores in aggregated state</b> <u>Elizaveta Banakova, Dmitriy Merkushev, Yuriy Marfin</u> Ivanovo State University of Chemistry and Technology, Russia
17:20-17:35 Room-2	<b>O-56</b>	<b>The cytochrome b6f complex: DFT modeling of plastosemiquinone oxidation by the low-potential heme of cytochrome b6</b> <u>Alexander N. Tikhonov, Leila Y Ustynyuk</u> M.V. Lomonosov Moscow State University, Faculty of Chemistry, Russia
17:40-17:55 Room-1	<b>O-57</b>	<b>Metal-mediated intermolecular insertion of carbonyl compounds and nitriles into a p-p bond of the cyclic phosphine Cyclo-(p5ph5)</b>

		<p><i>Elena Gorbachuk, Toni Grell, Evamarie Hey-Hawkins, Dmitry Yakhvarov</i></p> <p>A.E. Arbuzov Institute of Organic and Physical Chemistry, Russia</p>
17:40-17:55 Room-2	<b>O-58</b>	<p><b>Metal-organic frameworks based on novel zn<sub>12</sub> carboxylate wheels: synthesis, structure and applications</b></p> <p><i>Anna Lysova, Danil Dybtsev, Kostantin Kovalenko, Denis Samsonenko, Vladimir Fedin</i></p> <p>Nikolaev Institute of Inorganic Chemistry SB RAS, Russia</p>
18:00-18:15 Room-1	<b>O-59</b>	<p><b>Synthesis, chemical properties and applications of phosphorus heterocycles</b></p> <p><i>A. A. Zagidullin, E. S. Oshchepkova, T. I. Burganov, S. A. Katsyuba, Sh. K. Latypov, V. A. Miluykov, E. Hey-Hawkins</i></p> <p>Arbuzov Institute of Organic and Physical Chemistry, FRC Kazan Scientific Center, Russian Academy of Sciences, Russia</p>
18:00-18:15 Room-2	<b>O-60</b>	<p><b>3d-material on the base of carbon nanotubes and phthalocyanine</b></p> <p><i>Ivanova V.N., Polyakov M.S., Basova T.V</i></p> <p>Nikolaev Institute of Inorganic Chemistry SB RAS, Russia</p>

**22/11/19, Friday**

		<i>Chair: Valentin Novikov</i>
10:00-10:25	<b>PL-24</b>	<b>Electronic energy storage: molecular dyads, nanoparticles, molecular machines</b> <i>G. Jonusauskas, N. D. McClenaghan</i> CNRS / University of Bordeaux, Laboratoire Ondes et Matière d'Aquitaine, Talence, France
10:30-10:55	<b>PL-25</b>	<b>Heteroannulated acceptors for use in organic photovoltaic devices</b> <i>Oleg A. Rakitin</i> N. D. Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, Russia
11:00-11:15	<b>O-61</b>	<b>II-VI quantum dots integrated with polyelectrolyte for photocatalysis in aqueous medium</b> <i>Victor Nadtochenko, Olga Antonova, Sergei Kochev, Yurii Kabachii, Petr Valetsky, Alexander Gulin, Aleksander Shakhov, Artyom Astafiev, Fedor Gostev</i> N. N. Semenov Federal Research Center for Chemical Physics, Russian Academy of Sciences
11:20-11:35	<b>O-62</b>	<b>Bacteriochlorin–Naphthalimide Conjugates for Simultaneous Photodynamic Therapy and Fluorescence Imaging</b> <i>Pavel Panchenko, Marina Zakharko, Mikhail Grin, Andrey Mironov, Dmitriy Pritmov, Gediminas Jonusauskas, Alexey Feofanov, Olga Fedorova</i> A.N. Nesmeyanov Institute of Organoelement Compounds of RAS, Moscow, Russia
<b>11:40-11:55</b>	<b>Coffe break</b>	
		<i>Chair: G. Jonusauskas</i>
12:00-12:15	<b>O-63</b>	<b>Solution nmr techniques for molecular magnets</b> <i>Valentin Novikov</i> Nesmeyanov Institute of Organoelement Compounds RAS, Russia
12:20-12:35	<b>O-64</b>	<b>Computational and theoretical chemistry for metal-organic framework research</b> <b>Olga A. Syzgantseva</b> Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland
12:40-12:55	<b>O-65</b>	<b>Dipyrromethene metal complexes: Study of spectroscopic characteristics and practical application</b> <i>Iuliia Aksenova, Alexander Prokopenko, Rimma Kuznetsova, Mikhail Berezin, Elena Antina</i> National Research Tomsk State University, Russia
13:00-14:00	<b>Lunch</b>	
		<i>Chair: Oleg Rakitin</i>

14:00-14:15	<b>O-55</b>	<p><b>Pyrazolate anions as bridging bidentate ligands in the chemistry of copper(I) and silver(I) adducts: structures and properties</b></p> <p><i>Aleksei Titov, Oleg Filippov, Elena Shubina</i></p> <p>A. N. Nesmeyanov Institute of Organoelement Compounds of RAS, Russia</p>
14:20-14:35	<b>O-67</b>	<p><b>Near infrared lanthanide luminescence in complexes with perfluorinated mercaptobenzothiazolate ligands</b></p> <p><i>Vasily Ilichev, Andrey Kulinov, Liubov Silantyeva, Anton Rogozhin, Mikhail Bochkarev</i></p> <p>Laboratory of Chemistry of Rare Earth Elements, G.A. Razuvaev Institute of Organometallic Chemistry of RAS, Russia</p>
14:40-14:55	<b>O-68</b>	<p><b>Playing with Photochemical reactions of Iron complexes</b></p> <p><i>Dmitry S. Perekalin, Petr A. Zhmurov, Andrei M. Shved, Dmitry S. Shved</i></p> <p>Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Russia</p>
15:00		<b>Closing Remarks</b>



## Poster session 1 (November 19): P1-P104

<b>P-1</b>	<p><b>The use of microwave radiation for synthesis of water-soluble porphyrin polymers</b>  <i>Ageeva Tatiana, Ivan Shilov, Nadezhda Pechnikova, Oskar Koifman</i>            Institute of Macroheterocyclic Compounds, Ivanovo State University Chemistry and Technology</p>
<b>P-2</b>	<p><b>Thermal dependence of luminescent characteristics of laser-induced luminescent structures formed in polybenzimidazole films</b>  <i>Akovantseva Anastasiya, Aleksei Rybaltoivskii, Bato Kholhoev, Viktoriya Presnyakova, Yurii Isaakyan, Petr Timashev</i>            Institute of Photonic Technology of Federal Research Centre «Crystallography and photonics of RAS», Russia</p>
<b>P-3</b>	<p><b>Determination of the structure of the substance synthesized based on polycarbonate and aliphatic polyamine</b>  <i>Alekseeva Kseniya</i>            Department of Chemical Technology of Polymers, St. Petersburg State Technological Institute (Technical University), Russia</p>
<b>P-4</b>	<p><b>The use of natural polymers to separate carbon dioxide from physical absorbents</b>  <i>Anokhina Tatiana, Evgeniya Dmitrieva, Margarita Kostyanaya, Danila Bakhtin, Viktoria Ignatenko, Stepan Bazhenov</i>            A.V. Topchiev Institute of Petrochemical Synthesis, Russia</p>
<b>P-5</b>	<p><b>Carbosilane dendrimers with functional shell to create new supramolecular structures</b>  <i>Ardabevskaia Sofia, Vadim Gorodov, Sergey Milenin, Aziz M. Muzafarov</i>            Enicolopov Institute of Synthetic Polymeric Materials, Russia</p>
<b>P-6</b>	<p><b>New Hydrophobic coatings on natural materials</b>  <i>Baranov Oleg, Lyudmila Komarova, Sergey Golubkov</i>            A.N Nesmeyanov Institute of Organoelement Compounds, Russia</p>
<b>P-7</b>	<p><b>Main characteristics of apple, beet and needle pectin</b>  <i>Belaya Tatiana, Alexander Mitin, Nadezhda Kuleshova, Lyudmila Semenycheva</i>            Faculty of Chemistry, Lobachevsky State University of Nizhni Novgorod, Russia</p>
<b>P-8</b>	<p><b>The synthesis of new organosilicon monomers and polymers with several types of functional groups in the molecule</b>  <i>Bezlepkin Kseniya A., Valeriy Yu. Maiorov, Sergey A. Milenin, Aziz M. Muzafarov</i>            Enicolopov Institute of Synthetic Polymeric Materials, Russia</p>
<b>P-9</b>	<p><b>Biocompatible soluble polyelectrolyte complexes and Metal-containing nanocomposites</b>  <i>Blagodatskikh Inesa V., Oxana V. Vyshivannaya, Vladimir E. Tikhonov, Nadezda A. SamoiloVA, Alexey R. Khokhlov</i>            A.N. Nesmeyanov Institute of Organoelement Compounds, Russia</p>
<b>P-10</b>	<p><b>Functional materials based on nanoparticle modified polypropylene fibers</b>  <i>Bocharnikova Elena, Olga Tchaikovskaya, Ilya Lysak, Tatiana Malinovskaya, Galina Lysak</i>            Faculty of Physics, Tomsk State University, Russia</p>

<b>P-11</b>	<b>Structure, phase composition, surface analysis and some functional properties of chitosan-based composite materials containing silver or gold nanoparticles</b> <i>Budnikov Alexander V., Margarita S. Rubina, Egor S. Afanasyev, Alexander V. Naumkin, Alexandra V. Shulenina, Roman D. Svetogorov, Alexander Yu. Vasil'kov</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-12</b>	<b>Macromolecule with amphiphilic monomer units in a binary solvent: Dissipative particle dynamics simulation</b> <i>Buglakov Aleksandr I., Daniil E. Larin, Valentina V. Vasilevskaya</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-13</b>	<b>Preparation and study of structural features of sulfonated polyphenylquinoxalines with surfactants</b> <i>Bulycheva Elena, Nataliya Belomoina, Mikhail Buzin, Lubov Wasserman</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-14</b>	<b>New hybrid materials based on metal-containing bacterial cellulose obtained by metal vapor synthesis</b> <i>Butenko Ivan, Tatiana Gromovykh, Sergey Lutsenko, Alexander Naumkin, Vera Sadykova, Alexander Vasil'kov</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-15</b>	<b>A study of chloro-p-xylylenes polymerization kinetics using high-vacuum in-situ differential scanning calorimetry</b> <i>Buzin Alexander I., Dmitry R. Streltsov, Petr V. Dmitryakov, Sergei N. Chvalun</i> Enikolopov Institute of Synthetic Polymer Materials, Russia
<b>P-16</b>	<b>Features of hydrolysis of marine collagen and fibrinogen proteins by thrombin</b> <i>Chasova Victoria, Lyudmila Semenycheva, Marfa Egorikhina, Natalya Valetova, Alexander Mitin</i> Faculty of Chemistry, Lobachevsky State University of Nizhny Novgorod, Russia
<b>P-17</b>	<b>A copolymer of butyl acrylate with vinyl butyl ether, synthesized by the triethylboron-oxygen system in a compensatory way as a macroinitiator</b> <i>Chasova Yuliia, Lyudmila Semenycheva, Natalya Valetova, Yuliia Matkivskaya, Tatyana Liogon'kaya, Alexandr Mitin, Yurii Kurskii</i> Faculty of Chemistry, Lobachevsky State University of Nizhni Novgorod, Russia
<b>P-18</b>	<b>Influence of plasticizers on processibility of polyacrylamide compositions</b> <i>Chistiakov Nikita, Andrey Muravsky, Hermann Litosov, Igor Dvorko</i> Department of Chemical Technology of Polymers, St. Petersburg State Technological Institute (Technical University), Russia
<b>P-19</b>	<b>Synthesis, properties and applications of copolyimides with dimethylsiloxane fragments of various lengths</b> <i>Chuchalov Aleksandr, Bato Bayminov, Dmitriy Sapozhnikov, Yakov Vygodskii, Aleksey Kosolapov, Sergey Semyonov</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-20</b>	<b>Effect of the synthetic strategy on the properties of liquid crystalline oligoesters</b> <i>Deberdeev Timur, Liana Karimova, Alsu Akhmetshina, Sergey Grishin, Nail Galikhmanov, Rustam Deberdeev</i> Kazan National Research Technological University, Russia

<b>P-21</b>	<b>Morphology evolution during submonolayer growth of poly(chloro-p-xylylene) films formed by vapor deposition polymerization</b> <i>Dmitryakov Petr, Anastasiya Mitko, Alexander Nesmelov, Alexander Buzin, Dmitry Streltsov</i> National Research Center “Kurchatov Institute”, Russia
<b>P-22</b>	<b>Rhodium and iridium catalysts allow to obtain silicone rubbers with enhanced properties</b> <i>Mikhail Dobrynin, Regina Islamova</i> Institute of Chemistry, St. Petersburg State University, Russia
<b>P-23</b>	<b>New magnetic nanomaterials based on soluble ferrocene-containing polymers</b> <i>Dvorikova Raisa, Aleksander Peregudov, Aleksander Korlukov, Mikhail Buzin, Irina Nagornova, Valeriy Vasnev</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-24</b>	<b>Study of the physicochemical properties of new ferrocene-containing fluorinated monomers</b> <i>Dyachenko Victor, Ivan Chaschin, Olga Melnik, Sergej Igumnov and Alexej Khokhlov</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-25</b>	<b>Metal-containing chitosan-based films: morphology study</b> <i>Elmanovich Igor V., Margarita S. Rubina, Alexander Yu. Vasilkov</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-26</b>	<b>Metal polymeric nanocomposites ag based on hydrophilic nitrogen and sulfur containing polymer</b> <i>Emelyanov A.I., Kuznetsova N.P., Korzhova S.A., Prozorova G.F., Pozdnyakov A.S.</i> A.E. Favorsky Irkutsk Institute of Chemistry, Russia
<b>P-27</b>	<b>Water insoluble organosilicon surfactants as stabilizers of polymer suspensions</b> <i>Ezhova Anna A., Nina E. Artamonova, Inessa A. Grytskova, Anatoly E. Chalykh, Sergey N. Chvalun</i> MIREA — Russian Technological University, Russia
<b>P-28</b>	<b>Comb-like polyelectrolytes for alkaline hydrolysis of esters</b> <i>Fetin Petr, Matvey Kadnikov, Veronica Fetina, Ivan Zorin and Alexander Bilibin</i> Institute of Chemistry, St Petersburg University, Russia
<b>P-29</b>	<b>The diffusion role in the kinetics of the interface polyaddition reaction</b> <i>Filatov D.A., Govorun E.N.</i> A.N. Nesmeyanov Institute of Organoelement compounds, Russia
<b>P-30</b>	<b>Coarse-grained simulation of molecular ordering in polylactic blends under uniaxial strain</b> <i>Glagolev Mikhail, Alexei Lazutin, Daria Guseva, and Valentina Vasilevskaya</i> A. N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-31</b>	<b>Hollow morphologies formed by interpolyelectrolyte complexes: computer simulation</b> <i>Glagoleva Anna, Valentina Vasilevskaya</i> A. N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-32</b>	<b>Aggregation of associating polyelectrolytes</b> <i>Glukhova Svetlana, Vyacheslav Molchanov, Olga Philippova</i> Faculty of Physics, Lomonosov Moscow State University, Russia

<b>P-33</b>	<b>Kinetic and structural features of 2,2,3,3-tetrafluoropropyl methacrylate raft-polymerization</b> <i>Grigoreva Alexandra, Sergey Zaitsev</i> Lobachevsky State University of Nizhni Novgorod, Russia
<b>P-34</b>	<b>Saturation of bacterial cellulose with lipid nanoparticles with silymarin flavolignans and study of its hemolytic and antimicrobial activity</b> <i>Gromovykh Tatyana I., Marjan Bahman, Nataliya B. Feldman, Sergey V. Lutsenko</i> Federal State Autonomous Educational Institution of Higher Education I.M. Sechenov First Moscow State Medical University of the Ministry of Health of the Russian Federation (Sechenov University), Russia
<b>P-35</b>	<b>The structure of rosinterpenomaleic adducts</b> <i>Hapankova Alena, Iryna Latyshevitch</i> Institute of physical organic chemistry of the national academy of sciences of Belarus, Belarus
<b>P-36</b>	<b>Distribution of pah between solid and liquid phases during deasphalting of pyrolysis oil of tires</b> <i>Henarava Tatiana, Sergey Leschev, Valentina Levkina</i> A. V. Luikov Heat and Mass Transfer Institute of NAS of Belarus, Belarus
<b>P-37</b>	<b>Radical-induced curing of the Vinyl-containing polydimethylsiloxanes using Cyclic organosilicon triperoxides</b> <i>Ignatova Nina, Konstantin Deriabin, Regina Islamova, Terent'ev A.O.</i> Institute of Chemistry, Saint Petersburg State University, Saint Petersburg, Russia
<b>P-38</b>	<b>Synthesis of polyporphine films containing transition metal ion by electrochemical method</b> <i>Istakova Olga I., Dmitry V. Konev, Charles H. Devillers, Mikhail A. Vorotyntsev</i> Institute for Problems of Chemical Physics, Chernogolovka, Russia
<b>P-39</b>	<b>Silatran-containing branched polymers and their effect on crop growth</b> <i>Istratov Vladislav, Olga Yamskova, Valery Vasnev, Oleg Baranov, Boris Izmailov, Gali Markova</i> A.N. Nesmeyanov Institute of organoelement compounds, Russia
<b>P-40</b>	<b>Silatrane-containing biodegradable polymeric networks</b> <i>Istratov Vladislav, Valery Vasnev, Oleg Baranov, Boris Izmailov, Elena Rodlovskaya</i> A.N. Nesmeyanov Institute of organoelement compounds, Russia
<b>P-41</b>	<b>Spectral and structural properties modification of poly(p-xylylene)-cadmium sulphide nanocomposites on dependence of filler content and film thickness</b> <i>Ivanova O.P., E.P. Krinichnaya, A.A. Piryazev, S.A. Zavyalov, T.S. Zhuravleva</i> Emanuel Institute of Biochemical Physics, Russia
<b>P-42</b>	<b>New oligo(dimethyl)silanes with 1,7-bis(methyl)-m-carborane units</b> <i>Izmaylov Boris, Valerii Vasnev, Galy Markova</i> A.N. Nesmeyanov Institute of Organoelement compounds, Russia
<b>P-43</b>	<b>Conformation and flexibility of poly(4-vinylpyridine) at the hydrophobic core – hydrophilic corona interface</b> <i>Kalinin Pavel V., Alexander L. Kwiatkowski, Vyacheslav S. Molchanov, and Olga E. Philippova</i> Physics Department, Lomonosov Moscow State University, Russia

<b>P-44</b>	<b>Investigation of impact of nanosized sio2 on abrasion resistance of transparent silicone coatings</b> <i>Katnov Vladimir, Sergey Stepin</i> Kazan' National Research Technological University, Russia
<b>P-45</b>	<b>Luminescence of impregnated laser-induced structures in polybenzimidazole films</b> <i>Kholkhoev Bato Ch., Alexey O. Rybaltovskii, Anastasia A. Akovantseva, Yurii A. Isaakyan, Viktoria S. Presnyakova, Peter S. Timashev, Vladimir I. Yusupov, Vitaliy F. Burdukovskii</i> Baikal Institute of Nature Management SB RAS, Russia
<b>P-46</b>	<b>Polyphenylene and Polyazomethyne based on 1,2-bis-(4'-acetylbenzyl)-o-carborane</b> <i>Khotina Irina, Alexey Kovalev, Natalia Kushakova, Irina Syntsova, Daria Kupriyanova, Victoria Kharitonova</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-47</b>	<b>Synthesis of poly(vinylidene fluoride-co-chlorotrifluoroethylene)-grafted-poly(acrylonitrile) polymers for ferroelectric organic field-effect transistors</b> <i>Khudyshkina A.D., Yu. N. Luponosov, S.A. Ponomarenko</i> Enikolopov Institute of Synthetic Polymeric Materials, Russia
<b>P-48</b>	<b>Copolymers based on undecenoic acid diamides and polydimethylsiloxane</b> <i>Klokovala Kseniia S., Sergey A. Milenin, Fedor V. Drozdov, Sofia N. Ardabevskaia, Michael I. Buzin, Aziz M. Muzafarov</i> Russian Technological University (Fine Chemical Technologies Institute), Russia
<b>P-49</b>	<b>Metal-free photocontrolled polymerization of vinyl monomers using phenoxazine derivative systems</b> <i>Knyazeva Nadezhda, Pavel Grushin, Ivan Grishin</i> Lobachevsky State University of Nizhny Novgorod, Nizhny Novgorod, Russia
<b>P-50</b>	<b>Influence of amino acids of the h2n(ch2)ncooh series on the formation and properties of poly(vinyl alcohol) cryogels</b> <i>Kolosova O.Yu., Karelina P.A., Lozinsky V.I.</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-51</b>	<b>Atom transfer coupling reactions performed with radical traps of various structure</b> <i>Kolyakina Elena, Fatima Shoipova, Alisa Alyeva, Dmitriy Grishin</i> Lobachevsky State University of Nizhny Novgorod, Russia
<b>P-52</b>	<b>Thermogravimetric analysis of thermal stability of polymers synthesized in the presence of non-transition and transition metals complexes with redox-active ligands</b> <i>Kolyakina Elena, Alexey Markin, Dmitriy Grishin</i> Lobachevsky State University of Nizhny Novgorod, Russia
<b>P-53</b>	<b>Novel conjugated polymers based on dithienophthalimide derivatives for application in non-fullerene solar cells</b> <i>Konstantinov Igor, Mukhamed Keshtov, Sergey Kuklina, Alexander Nikolaev, Zhi-Yuan Xie, Chuandong Dou, Ganesh Sharma</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia

<b>P-54</b>	<b>Formation of 3d-structures based on aromatic heterochain polymers by laser stereolithography</b> <i>Korkunova Olga S., Daria S. Dudova, Nikita V. Minaev, Peter S. Timashev, Vitaliy F. Burdukovskii</i> Baikal Institute of Nature Management SB RAS, Russia
<b>P-55</b>	<b>State diagram of densely grafted amphiphilic homopolymer brushes: grafting density vs solvent quality</b> <i>Kosmachev Alexei, Alexei Lazutin, Valentina Vasilevskaya</i> Faculty of Physics, M. V. Lomonosov Moscow State University, Russia
<b>P-56</b>	<b>New hybrid materials based on fish collagen with the inclusion of poly butyl acrylate</b> <i>Kozina Marina, Yulia Kuznezhova, Alexandr Mitin, Ludmila Semenycheva</i> National Research Lobachevsky State University of Nizhny Novgorod, Russia
<b>P-57</b>	<b>Wetting properties of fluorinated polysiloxanes coatings based on dimer of hexafluoropropylene</b> <i>Krapivko Alena, Fedor Drozdov, Natalya Sheremet'eva, Georgij Cherkaev, Viktor Myakushev, Lev Gervic, Aziz M. Muzafarov</i> Russian Technological University, Institute of Fine Chemical Technologies, Russia
<b>P-58</b>	<b>VDP synthesis and study of surface structure of poly(p-xylylene) films containing PbSe and PbTe nanoparticles</b> <i>Krinichnaya E.P., O.P. Ivanova, S.A. Zavyalov, T.S. Zhuravleva</i> N.M. Emanuel Institute of Biochemical Physics, Russia
<b>P-59</b>	<b>Novel antibacterial chitosan derivatives</b> <i>Kritchencov Andreij, Niyaz Yagafarov, Victor Khrustalev</i> Faculty of Science, Department of Inorganic chemistry and Research Institute of Chemistry, RUDN University, Russia
<b>P-60</b>	<b>Synthesis of copolymers of butylmethacrylate and vinylbenzotriazole and its films conductivity</b> <i>Kropacheva Olga, Kseniya Butorina, Fedor Yaroshenko</i> Faculty of Chemistry, Chelyabinsk State University, Russia
<b>P-61</b>	<b>Polymer supported Pd placed on magnetic silica as effective catalyst in suzuki reaction</b> <i>Kuchkina Nina, Svetlana Sorokina, Alexandra Torozova, Linda Nikoshvili, Lyudmila Bronstein, Zinaida Shifrina</i> A. N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-62</b>	<b>Hybrid magnetic nanocomposites based on nipam-paa and iron(III)-containing nanoparticles for doxorubicin loading and anticancer therapy</b> <i>Kusaia Victoriia, Vasily Spiridonov, Mikhail Afanasov, Lyudmila Makarova, Maria Romodina, Natalia Pozdnyakova, Anna Shibaeva, Sergey Zezin, Alexander Yaroslavov</i> Department of Chemistry, Lomonosov Moscow State University, Russia
<b>P-63</b>	<b>Ultrasonic synthesis of Water-soluble Polymer-metal(oxide) magnetic nanocomposite based on cross-linked calcium/sodium alginate and maghemite nanoparticles</b> <i>Kuznetsov Valeriy, Vasily Spiridonov, Andrey Sybachin, Mikhail Afanasov, Lyudmila Makarova, Yulia Alyokhina, Eleonora Shtykova, Sergey Zezin, Alexander Yaroslavov</i> Department of Chemistry, Lomonosov Moscow State University, Russia

<b>P-64</b>	<b>Stabilization of mesoglobules by a solute via specific interactions</b> <i>Larin Daniil, Elena Govorun</i> A.N. Nesmeyanov Institute of Organoelement Compound, Russia
<b>P-65</b>	<b>Catalytic cross-linking of Si–H-containing silicone copolymers</b> <i>Lobanovskaia Ekaterina, Konstantin Deriabin, Regina Islamova</i> Institute of Chemistry, Saint Petersburg State University, Russia
<b>P-66</b>	<b>Reaction of propiolic acid with 1,3-bis(3-azidopropyl)-1,1,3,3-tetramethyldisiloxane</b> <i>Majorov Valeriy Yu., Kseniya A. Bezlepkina,, Sergey A. Milenin, Aziz M. Muzafarov</i> Enicolopov Institute of Synthetic Polymeric Materials, Russia
<b>P-67</b>	<b>Polymer nanoparticles from self-organized monomers</b> <i>Makarov I.A., P.A. Fetin, A.S. Senchukova, I.M. Zorin, A.Yu. Bilibin</i> St.-Petersburg State University, Department of Chemistry, Russia
<b>P-68</b>	<b>Catalytic oxidation of benzene on the metal polymer catalyst</b> <i>Mammadova U.A., A.F. Isazade, S.M. Mammadova, N.A. Zeynalov</i> Institute of Catalysis and Inorganic Chemistry named after academician M.Nagiyevev of ANAS, Azerbaijan
<b>P-69</b>	<b>Synthesis and luminescent properties of composites of poly(alpha-fluoroacrylates) doped with tb(iii) complex</b> <i>Melnik Olga, Andrey Tyutyunov, Ilya Taydakov, Vladislav Korshunov, Andrey Lobanov, Sergey Igumnov, Yakov Vygodskii</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-70</b>	<b>Thiazole-based (mix)mofs: synthesis, characterization and applications in gas adsorption and catalysis</b> <i>Mercuri Giorgio, Lapo Luconi, Giulia Tuci, Giuliano Giambastiani, Andrea Rossin</i> Consiglio Nazionale delle Ricerche - Istituto di Chimica dei Composti Organometallici (CNR-ICCOM), Italy
<b>P-71</b>	<b>New monosodiumoxyorganoalkoxysilanes for production of functional polyalkyl(aryl)triazolealkoxysiloxanes with controlled molecular architecture</b> <i>Migulin D., S. Milenin, G. Cherkaev, A. Muzafarov</i> N.S. Enicolopov Institute of Synthetic Polymer Material, Russia
<b>P-72</b>	<b>Carborancarbosilane Dendrimers: Synthesis and Properties</b> <i>Minvaylo E.O., A.A. Anisimov, A.V. Zaytsev, V.A. Ol'shevskaya, S.A. Milenin, A.M. Muzafarov</i> A. N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-73</b>	<b>New multiblock copolymers containing norbornenes and carbosilane/carbosiloxane blocks</b> <i>Morontsev Aleksandr, Maria Gringolts, Yulia Denisova, Georgiy Shandryuk, Aleksander Peregudov, Yaroslav Kudryavtsev, Eugene Finkelshtein</i> A.V. Topchiev Institute of Petrochemical Synthesis, Russia
<b>P-74</b>	<b>Tuning the wetting angle of the fluorinated polymer by means of modified nanodiamonds</b> <i>Naumova Alina, Pavel Melnikov, Anastasia Alexandrovskaya, Nikolay K. Zaitsev</i> MIREA - Russian Technological University, Russia
<b>P-75</b>	<b>Patterns of forming composite chitosan gels with metal nanoparticles in carbonic acid solutions under high pressure</b> <i>Novikov Ilya, Marina Pigaleva, Marat Gallyamov</i> Faculty of Physics, Lomonosov Moscow State University, Russia

<b>P-76</b>	<b>Heterophase raft-polymerization in the presence zinc oxide nanoparticles</b> <i>Ogay Valeria, Natalia Serkhacheva, Daniil Tselousov, Elena Chernikova, Ksenia Mineeva</i> MIREA – Russian Technological University, Russia
<b>P-77</b>	<b>A study of the sorbtion capacity, physico-chemical characteristics and structure of ureaformaldehyde oligomers for decoration of the ceramic surfaces</b> <i>Papulova Galina</i>
<b>P-78</b>	<b>Reversible inhibition in the formation of (co)polymers based on alkyl(meth)acrylates with vinylalkyl ethers under compensation of the active monomer depending on their nature when initiated by the triethylborane-oxygen system</b> <i>Pegeev Nikita, Lyudmila Semenycheva, Natalya Valetova, Yuliia Matkivskaya, Tatyana Liogon'kaya, Alexandr Mitin, Yurii Kurskii</i> Faculty of Chemistry, Lobachevsky State University of Nizhni Novgorod, Russia
<b>P-79</b>	<b>Hydrophobic coatings based on fluorinated and non-fluorated copolymers obtained via supercritical carbon dioxide depostion</b> <i>Pestrikova Anastasiya, Alexander Nikolaev, Viktor Dyachenko, Olga Serenko</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-80</b>	<b>Proton conduction of sulphonated polyphenylquinoxalines</b> <i>Pisareva Anna V., R. V. Pisarev, N. M. Belomoina, E. G. Bulycheva, Yu. A. Dobrovolsky</i> Institute of Problems of Chemical Physics RAS, Chernogolovka, Russia
<b>P-81</b>	<b>Properties and microstructure of poly(vinyl alcohol) cryogels containing different forms of chitosan</b> <i>Podorozhko E.A., G.R. Ul'yabaeva N.R., Kil'deeva, V.I. Lozinsky</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-82</b>	<b>The influence of the duration of the synthesis on the properties of the obtained oligomer</b> <i>Polyakova Julia</i> St. Petersburg State Technological Institute (Technical University), Russia
<b>P-83</b>	<b>Ferrocene- and thiophene-containing polymers as precursors of magnetic materials</b> <i>Rodlovskaya Elena, Raisa Dvorikova, Valerii Vasnev</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-84</b>	<b>Liquid-crystalline polymers as surface agents for semiconductors quantum dots according to quantum-chemical calculations</b> <i>Romanova Ksenia, Yuriy Galyametdinov</i> Kazan National Research Technological University, Russia
<b>P-85</b>	<b>Research of influence of recycled polyethylene terephthalate products on properties of foam materials</b> <i>Rudnitskaya Julia, Michael Alikin</i> St. Petersburg State Institute of Technology(Technical University), Russia
<b>P-86</b>	<b>Synthesis of bioside chitosan derivatives as a drug carrier</b> <i>Safaraliyeva S.F., Sh.Z. Tapdigov, U.A. Mammadova, N.A. Zeynalov, D.B. Taghiyev</i> Institute of Catalysis and Inorganic Chemistry named after academician M.Nagiyevev of ANAS, Azerbaijan



<b>P-87</b>	<b>Polycondensation in supercritical carbon dioxide: ineos contribution</b> <i>Said-Galiev Ernest, Alexei Khokhlov, Mukhamed Keshtov, Yakov Vygodskii, Valerii Vasnev, Raisa Dvorikova, Nataliya Belomoina, Elena Bulycheva</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-88</b>	<b>Polysaccharide based magnetic composite for removal of pollutants</b> <i>Samoilova Nadezhda, Maria Krayukhina</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-89</b>	<b>Preparation and evaluation of gels based on poly(trimethylene carbonate) for regenerative medicine applications</b> <i>Samokhin, Alexander, Anastasia Korel, Vasily Kuznetsov, Ekaterina Zemlyakova, Vladimir Tkachenko, Denis Nesterov, Alexander Pestov</i> Novosibirsk research institute of traumatology and orthopaedicsn.a. L.A. Tsivyan Ministry of Health, Russia
<b>P-90</b>	<b>Heterophase raft-polymerization in the presence copolymers of acrylic acid and n-isopropylacrylamide with trithiocarbonate group</b> <b>Serkhacheva Natalia, Mikhail Balashov, Valeria Ogay, Elena Chernikova</b> MIREA – Russian Technological University, Russia
<b>P-91</b>	<b>The influence of the plasticizers on elasticity of the polymer composition</b> <i>Polyakova Julia, Kseniya Alekseeva, Olga Shabotina</i> St. Petersburg State Technological Institute (Technical University), Russia
<b>P-92</b>	<b>Viscoelastic properties pH sensitive suspensions of wormlike micelles and halloysite nanotubes</b> <i>Shatalina Ekaterina I., Vyacheslav S. Molchanov, Olga E. Philippova</i> Physics department, Lomonosov Moscow State University, Russia
<b>P-93</b>	<b>Wormlike micelles and oppositely charged halloysite nanotubes networks</b> <i>Shishkhanova Kamilla, Vyacheslav Molchanov, Olga Philippova</i> Faculty of Physics, Lomonosov Moscow State University, Russia
<b>P-94</b>	<b>Small angle x-ray scattering examination of chitosan-based powders, films, and aerogels with silver or gold nanoparticles prepared using metal vapor synthesis</b> <i>Shulenina Alexandra V., Margarita S. Rubina, Georgy S. Peters, Alexander Yu. Vasil'kov</i> Faculty of Physics, M.V. Lomonosov Moscow State University, Russia
<b>P-95</b>	<b>Hybrid metal(oxide)–polymer nanocomposites based on carboxymethylcellulose cross-linked by in-situ formed copper (i) oxide nanoparticles for photocatalytic applications</b> <i>Spiridonov Vasily, Liu Xiang Yao, Andrey Sybachin, Irina Panova, Sergey Zezin, Alexander Yaroslavov</i> Department of Chemistry, Lomonosov Moscow State University, Russia
<b>P-96</b>	<b>Controlled synthesis of polymers based on acrylonitrile catalyzed by copper complexes with nitrogen-containing ligands</b> <i>Stakhi Sergey, Ivan Grishin</i> Lobachevsky State University of Nizhny Novgorod, Russia
<b>P-97</b>	<b>Chemical structuring of polyorganosiloxane coatings</b> <i>Stepin Sergey, Vladislav Suchkov</i> Kazan' National Research Technological University, Russia

<b>P-98</b>	<b>Synthesis of graft-copolymers of acrylamide and gelatin in the presence of tributylboron</b> <i>Sustaeva Karina, Vavilova Anna, Kuznetsova Yulia, Markin Alexey, Mitin Alexander, Podguzkova Marina, Semenicheva Lyudmila</i> Faculty of Chemistry, Lobachevsky State University, Russia
<b>P-99</b>	<b>Synthesis and properties of 128-arm polydimethylsiloxanes with different length of arms</b> <i>Tikhonov P.A., N.G. Vasilenko, G.V. Cherkaev, N.V. Demchenko, V.G. Vasil'ev, A.M. Muzafarov</i> Enikolopov Institute of Synthetic Polymeric Materials, Russia
<b>P-100</b>	<b>Catalytic systems based on New macromolecular compounds for betulin oxidation</b> <i>Torozova Alexandra, Angelina Korolkova, Zinaida B. Shifrina</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-101</b>	<b>Controlled radical polymerization of styrene in the presence of blatter radical</b> <i>Vavilova A.S., T.O. Burdyukova, Yu.L. Kuznetsova</i> Faculty of Chemistry, N.I. Lobachevsky Nizhny Novgorod State University, Russia
<b>P-102</b>	<b>Synthesis of vinyl derivatives from sustainable source and developing new approaches for controlled materials design</b> <i>Vikenteva Yulia, Konstantin Rodygin, Valentine Ananikov</i> Saint Petersburg State Universit, Russia
<b>P-103</b>	<b>2,3-dihydro-1,2,4-oxodiazole chitosan derivatives and their antibacterial activity</b> <i>Yagafarov Niyaz, Andreii Kritchenkov, Victor Khrustalev</i> RUDN University, Russia
<b>P-104</b>	<b>Synthesis of disentangled uhmwpe using binuclear and hexanuclear ti(IV) complexes supported by [O000]4– type ligand</b> <i>Zubkevich Sergey V., Dmitry A. Kurmaev, Vladislav A. Tuskaev, Svetlana Ch. Gagieva</i> Department of Chemistry, M. V. Lomonosov Moscow State University, Russia

**Poster session 2 (November 20): P1-P138**

<b>P-1</b>	<b>Chemistry of Hydrophosphoryl and Hydrothiophosphoryl Compounds</b> <i>Aimakov Orazkhan, Nurgul Nurmukhanbetova</i> S.Seifullin Kazakh Agro Technical University, Republic of Kazakhstan
<b>P-2</b>	<b>The synthesis of 1,3-oxazolidines and 1,4-dihydro-2h-3,1-benzoxazines containing (<math>\eta^6</math>-arene)tricarbonylchromium group</b> <i>Aksenova N.A., Sazonova E.V., Artemov A.N.</i> Lobachevsky State University of Nizhny Novgorod, Russia
<b>P-3</b>	<b>Novel base-initiated cascade reactions of hemiindigos to produce dipolar <math>\gamma</math>-carbolines and indole-fused pentacycles</b> <i>Alekseeva Ekaterina, Valeriya Velezheva, Olesya Babii, Aleksander Khodak, Konstantin Majorov and Boris Nikonenko</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-4</b>	<b>Carborane conjugates of <math>\beta</math>- and meso-maleimide-substituted porphyrins and chlorins: synthesis and biological properties</b> <i>Alpatova Viktoriya, Andrei Zaitsev, Alexandra Radchenko, Alexey Kostyukov, Albina Petrova, Vladimir Kuzmin, Alexander Shtil, Valentina Ol'shevskaya</i> A.N.Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-5</b>	<b>X-ray diffraction analysis of hybrid materials based on carbon nanotubes and nanosized WO<sub>3</sub>, CuO</b> <i>Andreev Pavel, Ksenia Smetanina, Ilya Vilkov, Kirill Kremlev, Galina Zabrodina</i> Faculty of Physics, Lobachevsky State University of Nizhniy Novgorod, Russia
<b>P-6</b>	<b>The effect of the metalloalkoxysiloxane filler structure on the resistance of the polyimide composites to atomic oxygen</b> <i>Andropova Ulyana, Nadezhda Tebeneva, Alexander Tarasenkov, Dmitry Sapozhnikov, Vladimir Chernik, Lev Novikov, Ekaterina Voronina, Olga Serenko</i> A.N.Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-7</b>	<b>Preparation of fused heterocyclic compounds via iodine exchange</b> <i>Antonkin Nikita S., Yulia A. Vlasenko, Mehman S. Yusubov, Alexandr Shafir, Pavel S. Postnikov</i> National Research Tomsk Polytechnic University, Russia
<b>P-8</b>	<b>A way to new ortho-carborane arylazo derivatives</b> <i>Anufriev Sergey, Akim Shmalko, Marina Stogniy, Igor Sivaev</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-9</b>	<b>Synthesis of polycyclic aromatic hydrocarbons via c-h activation for organic light-emitting devices</b> <i>Arsenov Mikhail, Alexander Molotkov, and Dmitry Loginov</i> A. N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-10</b>	<b>Structural-energies properties of isostructural acetylene alcohols c15, c20 and their solutions</b> <i>Baev A.K., A.A. Baev</i> G.A. Krestov Institute of Solution Chemistry of the RAS, Russia
<b>P-11</b>	<b>Generalization of the founderic new idies and creation of theory specific interactions of organic compounds</b> <i>Baev Alexei K.</i> G.A. Krestov Institute of Solution Chemistry of the RAS, Russia
<b>P-12</b>	<b>Development of new chelators for radiopharmaceuticals</b> <i>Bakhareva Anna, Anastasia Zubenko</i> The A.N. Nesmeyanov Institute of Organoelement Compounds, Russia

<b>P-13</b>	<b>Synthesis and structure of gadolinium complexes in aqueous solution of carboxylate phosphobetaines</b> <i>Bakhtiyarov Dmitry, Semyon Romanov, Khasan Khayarov, Aleksander Gerasimov, Vladimir Galkin and Irina Galkina</i> Faculty of Chemistry, Kazan Federal University, Russia
<b>P-14</b>	<b>Synthesis and structure phosphonium salts, based on 3-diphenylphosphino)propionic and ω-haloalkylcarboxylic acids</b> <i>Bakhtiyarova Yulia, Maxim Morozov, Vladimir Galkin</i> Kazan Federal University, Russia
<b>P-15</b>	<b>Novel donor-acceptor luminophores based on triphenylamine</b> <i>Balakirev Dmitry O., Yuriy N. Luponosov, Evgeniya A. Svidchenko, Sergey A. Ponomarenko</i> Enikolopov Institute of Synthetic Polymer Materials Russia
<b>P-16</b>	<b>Model of selectivity on methyl nonanoate of 1-octene hydrocarbomethoxylation catalyzed by Pd(PPh<sub>3</sub>)<sub>2</sub>Cl<sub>2</sub> / PPh<sub>3</sub> / p-toluenesulfonic acid system</b> <i>Batashev Sergey, Nadezhda Sevostyanova</i> Research and Production Center "Himreaktivdiagnostika", Tula State Lev Tolstoy Pedagogical University, Russia
<b>P-17</b>	<b>Magnesium and zinc cyanophenoxy- phthalocyanine complexes. Synthesis and spectroscopic-luminescent properties</b> <i>Belikova Anastasia, Svetlana Tonkova, Kristina Kazaryan, Dmitry Erzunov, Arthur Vashurin</i> Ivanovo State University of Chemistry and Technology, Russia
<b>P-18</b>	<b>Anion effect on the cumene hydroperoxide decomposition in the presence of CU(II) 1,10-phenanthrolinates</b> <i>Berestneva Yuliya, Nikolaj Turovskij, Elena Raksha, Alexander Eresko</i> Federal State Budget Scientific Institution "Federal Scientific Centre of Agroecology, Complex Melioration and Protective Afforestation of the Russian Academy of Sciences", Russia
<b>P-19</b>	<b>Research of the reaction of oxidation of thiols in the presence of metal complexes</b> <i>Berestova Tatyana, Liana Nizametdinova, Olga Lusina, Ruslan Gizatov, Alexey Pishkin, Ludmila Kuzina, Akhat Mustafin</i> Faculty of Chemistry, Bashkir State University, Russia
<b>P-20</b>	<b>Dinuclear zirconocene catalysts for amine borane dehydropolymerisation</b> <i>Beweries Torsten, Kevin Lindenau, Michael Trose, Felix Anke, Susanne Boye, Alben Lederer, Fabian Reiß</i> Leibniz-Institut für Katalyse e.V. an der Universität Rostock, Germany
<b>P-21</b>	<b>Synthesis of hybrid polymeric materials with bodipy and their use as sensors</b> <i>Bobrov Alexander, Mariya Kishalova, Yuriy Marfin</i> Department of Inorganic Chemistry, Ivanovo State University of Chemistry and Technology, Russia
<b>P-22</b>	<b>Towards automatic processing of esi-ms data: the case study of the palladium chloride pre-catalyst</b> <i>Bondarenko Anton A., Daniil A. Boiko, Konstantin S. Rodygin, Mikhail V. Polynsky, Valentine P. Ananikov</i> Saint Petersburg State University, Russia

P-23	<p><b>“Click” synthesis and electrochemical behaviour of redox-active pyridylphenylene dendrimers</b>  <i>Chamkin Aleksandr A., Elena S. Serkova, Zinaida B. Shifrina</i>  A.N. Nesmeyanov Institute of Organoelement Compounds, Russia</p>
P-24	<p><b>Two synthetic pathways for the preparation of the 4-pyridyl-terminated iron(II) cage complexes with non-equivalent capping groups: transmetallation vs direct template condensation</b>  <i>Chuprin Alexander S., Semyon V. Dudkin, Svetlana A. Belova(Savkina), Genrikh E. Zelinskii, Anna V. Vologzhanina, Yan Z. Voloshin</i>  A.N. Nesmeyanov Institute of Organoelement Compounds, Russia</p>
P-25	<p><b>Synthesis of new lipophilic aminophosphine oxides by the pudovik reaction</b>  <i>Davletshin Rustam R., Aidar M. Gayneev, Kamila I. Karimova, Irina V. Galkina, Kamil A. Ivshin, Ol'ga N. Kataeva</i>  A.M. Butlerov Chemical Institute, Kazan (Volga region) Federal University, Russia</p>
P-26	<p><b>Membrane extraction of rare-earth metal ions by new bisphosphoryldiamines and bisphosphoryldiazapodands</b>  <i>Davletshina Natal'ya V., Albina R. Khabibullina, Il'yas R. Nasyrov, Aynaz Z. Gaynullin, Rustam R. Davletshin, Rafael A. Cherkasov</i>  A.M. Butlerov Chemical Institute, Kazan (Volga region) Federal University, Russia</p>
P-27	<p><b>Copper (I) bromide complexes bearing phospholanylpyridines</b>  <i>Dayanova Irina, Aliya Shamsieva, Robert Fayzullin, Elvira Musina, Andrey Karasik</i>  Arbuzov Institute of Organic and Physical Chemistry, FRC Kazan Scientific Center of RAS, Russia</p>
P-28	<p><b>Intramolecular electron transfer in copper (II) complexes with aryl-imidazo-1,10-phenanthrolines</b>  <i>Dyachenko Natalia, Sergey Tokarev, Yulia Sotnikova Olga Fedorova, Yuri Fedorov</i>  Chemistry Department, Moscow State University, Russia</p>
P-29	<p><b>Synthesis and characterization of novel transition metal oxo- clusters</b>  <i>Fedulín Andrey, Uttam Chakraborty, Axel Jacobi von Wangelin</i>  Department of Chemistry, University of Hamburg, Germany</p>
P-30	<p><b>Binuclear complexes (BATH)<sub>2</sub>GD<sub>2</sub>(PIV)<sub>6</sub>•XSOLV: the effect of the structure on thermal behavior and magnetic and luminescent properties</b>  <i>Fomina I.G., A.B. Ilyukhin, Yu.S. Zavorotny, A.S. Bogomyakov, M.V. Fedin, I.L. Eremenko</i>  Kurnakov Institute of General and Inorganic Chemistry, Russia</p>
P-31	<p><b>Pd-catalyzed enantioselective allylic substitution with diastereomeric diamidophosphite-thioether ligands from glutamic and tartaric acids</b>  <i>Gavrilov Vladislav K., Ilya V. Chuchelkin, Vladislav S. Zimarev, Ilya D. Firsin, Nataliya Goulioukina</i>  Department of Chemistry, Ryazan State University named for S. Esenin, Russia</p>
P-32	<p><b>Oxidation of hydride and p-tolylsiloxanes: development of catalytic approaches</b>  <i>Goncharova Irina K., Ashot V. Arzumanyan, Aziz M. Muzafarov</i>  A.N. Nesmeyanov Institute of Organoelement Compounds, Russia</p>
P-33	<p><b>Metal organic frameworks based on 1,2,3-triazole-4,5-dicarboxylates of rare earths: kinetic aspects of energy transfer between lanthanides</b>  <i>Gontcharenko V.E., Belousov Yu.A., Lunyov A.M., Sidoruk A.V.</i>  M.V. Lomonosov Moscow State University, Faculty of Chemistry, Russia</p>

<b>P-34</b>	<b>Molecular dynamics of the palladium-mediated carbon-heteroatom bonds formation</b> <i>Gordeev Evgeniy, Valentine Ananikov</i> N.D. Zelinsky Institute of Organic Chemistry, Russia
<b>P-35</b>	<b>On the mercury poisoning test selectivity: from amalgamation of palladium(0) to redox-transmetallation of p,c-palladacycle</b> <i>Gorunova Olga N., Ivan M. Novitskiy, Yuri K. Grishin, Igor P. Glorizov, Victor N. Khrustalev, Konstantin A. Kochetkov, and Valery V. Dunina</i> A.N.Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-36</b>	<b>The features of the Interaction between pentaphenylantimony with pyrimidine-4(3H)-one derivatives</b> <i>Gubanova Yulia O., Vladimir V. Sharutin, Olga K. Sharutina, Dmitriy G. Kim, Kseniya Yu. Petrova</i> South Ural State University (National Research University), Russia
<b>P-37</b>	<b>Synthesis of new bis(styrylasagerocycles)</b> <i>Guskova Elena</i> D. Mendeleev University of Chemical Technology of Russia, Russia
<b>P-38</b>	<b>Synthesis of hydrophobic glutathione-capped gold nanoclusters and it's application in chemiluminescence</b> <i>Iakimov Nikolai, Nikolay Melik-Nubarov</i> Department of Chemistry, Lomonosov Moscow State University, Russia
<b>P-39</b>	<b>Tertiary phosphines are effective catalysts for the <math>\alpha</math>- / bis-addition of dialkylphosphites and diarylphosphine oxides to alkynes</b> <i>Il'in A.V., Antonova A.A., Frizen A.D., Galkin V.I.</i> A.M. Butlerov Institute of Chemistry, Kazan (Volga region) Federal University
<b>P-40</b>	<b>Modification of epoxy coatings with functional siloxanes</b> <i>Il'ina Maria A., Elena V. Khomko, Leonid N. Mashlyakovskii, Ekaterina A. Lebedeva</i> Saint-Petersburg State Institute of Technology, Russia
<b>P-41</b>	<b>Electrochemical synthesis, properties and reactivity of organonickel sigma-complexes of type [NiBr(aryl)(L)]</b> <i>Kagilev Aleksey, Zufar Gafurov, Ilyas Sahapov, Dmitry Yakhvarov</i> Kazan (Volga region) Federal University, Kazan, Russia
<b>P-42</b>	<b>Synthesis of the carborane complexes of ruthenium (II) with <math>\eta^3</math>-phosphorus-containing and <math>\eta^3</math>-nitrogen-containing ligands</b> <i>Kaltenberg Alexandr, Ivan Grishin</i> Lobachevsky State University of Nizhny Novgorod, Russian Federation
<b>P-43</b>	<b>Novel imidazole-based ligands for transition metal complexes</b> <i>Karnaikh Kseniia M., Igor A. Nikovskiy, Alexander V. Polezhaev</i> Physics Department, Lomonosov Moscow State University, Russia
<b>P-44</b>	<b>Cobaltocenium acetylsalicylate: synthesis and study of interactions with dna using circular dichroism</b> <i>Kaverin Mihail V. , Kirill K. Babievsky, and Lubov V. Snegur</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-45</b>	<b>Dft analysis of the unprecedented reactivity of some organoarsenic and organoantimony compounds towards carbon-carbon multiple bonds</b> <i>Ketkov Sergey, Elena Rychagova, Libor Dostal</i> G.A Razuvaev Institute of Organometallic Chemistry RAS, Russia

<b>P-46</b>	<b>Synthesis of novel diphosphonium salts bearing 1,4-dihydroxynaphthalene fragment</b> <i>Khasiyatullina Nadezhda, Anastasiya Shinkareva, Vladimir Mironov</i> Arbuzov Institute of Organic and Physical Chemistry, FRC Kazan Scientific Center, Russia
<b>P-47</b>	<b>Cross-coupling of secondary phosphine selenides with mercaptoalcohols in the CCL4/Et3N system</b> <i>Khrapova Kseniya O., Anton A. Telezhkin, Pavel A. Volkov</i> A. E. Favorsky Irkutsk Institute of Chemistry, Siberian Branch of the Russian Academy of Sciences, Russia
<b>P-48</b>	<b>The first NCsp3N pincer ligand in the coordination chemistry of lanthanides and synthesis homoleptic stable complexes</b> <i>Khristolyubov D.O., D.M. Lyubov, A.V. Cherkasov, A.S. Shavyrin, A.A. Trifonov</i> G. A. Razuvaev Institute of Organometallic Chemistry of Russian Academy of Sciences, Nizhny Novgorod, Russia
<b>P-49</b>	<b>Methanolysis of aryl(alkyl)hydrosilanes and ahpc of their dehydrocondensation products</b> <i>Klimova N.V., Ivanov A.G., Kuznetsova M.G., Shulyat'eva T.I., Lebedev A.V.</i> SSCR FJSC "GNIIC hTEOS", Russia
<b>P-50</b>	<b>Silver ion stabilization of cytosines in the structure of nucleic acids: a theoretical study using the combined QM/MM method</b> <i>Kliuev Pavel, Ruslan Ramazanov, Sokolov Petr</i> Department of Molecular Biophysics and Polymer Physics, Faculty of Physics, Saint-Petersburg, Russia
<b>P-51</b>	<b>Functional aryloxycyclotriphosphazenes for dentistry</b> <i>Kolpinskaya Natalya, Evgeniy Chistyakov, Vladimir Chuev, Vyacheslav Kireev</i> D. I. Mendeleev University of Chemical Technology of Russia, Moscow, Russia
<b>P-52</b>	<b>Diels-alder reaction between 2,5-dimethylthiophene and n-phenylmaleimide at high pressure</b> <i>Kornilov Dmitry A., Oleg V. Anikin, Alexey A. Shulyatiev</i> Faculty of Chemistry, Kazan Federal University, Russian Federation
<b>P-53</b>	<b>Catalytic activity of novel lanthanide cymantrenecarboxylates with ferrocene phosphine oxido ligand in polymerization processes</b> <i>Koroteev Pavel S., Andrey B. Ilyukhin, Nikolay N. Efimov, Marina V. Pavlovskaya, Dmitry F. Grishin</i> N.S. Kurnakov Institute of General and Inorganic Chemistry, Russia
<b>P-54</b>	<b>Reactions of zirconacyclopentadiene complexes of zirconozene with acenaphthenequinone</b> <i>Kozulin Konstantin V., Vladimir V. Burlakov, Maxim V. Andreev, Vyacheslav S. Bogdanov, Vladimir B. Shur</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-55</b>	<b>Varios methods of activation of titanium complex with saligenin ligand to obtain UHMWPE</b> <i>Kurmaev Dmitrii, Svetlana Gagieva, Vladislav Tuskaev</i> Faculty of Chemistry, Moscow State University, Russia
<b>P-56</b>	<b>Cobalt-catalyzed alkylation of indoles with methyl 3,3,3-trifluoro-2-diazopropionate</b> <i>Kuvshinova Sofya S., Daria V. Vorobyeva, Sergey N. Osipov, Dmitry A. Loginov</i> A. N. Nesmeyanov Institute of Organoelement Compounds, Russia

<b>P-57</b>	<p><b>New type of Hoveyda-Grubbs catalysts for ROCM reactions of oxabicycloheptenes with alkenes</b>  <i>Kvyatkovskaya Elizaveta, Fedor Zubkov, Pavel Kumadin, Pavel Paspertov, Kirill Polyanski</i>  Peoples' Friendship University of Russia (RUDN University), Russia</p>
<b>P-58</b>	<p><b>Divalent ytterbium, samarium and calcium complexes coordinated by NHC ligands – versatile catalysts for highly regio- and chemoselective hydrophosphinations</b>  <i>Lapshin Ivan, Alexander Trifonov</i>  G. A. Razuvaev Institute of Organometallic Chemistry of Russian Academy of Sciences, Nizhny Novgorod, Russia</p>
<b>P-59</b>	<p><b>Ruthenium (II) mixed-ligand complexes with 2-arylbenzimidazoles and 4,4'-dicarboxy-2,2'-bipyridine: synthesis, optical and electrochemical properties</b>  <i>Lavrova Maria, Sergei Mishurinskiy, Sergei Tatarin, Stanislav Bezzubov, Vladimir Dolzhenko</i>  Department of Chemistry, Lomonosov Moscow State University, Russia</p>
<b>P-60</b>	<p><b>Derivatives of closo-decaborate anion with pendant polyamine groups</b>  <i>Limarev I.P., Matveev E.Yu., Zhizhin K.Yu.</i>  Kurnakov Institute of General and Inorganic Chemistry, Russia</p>
<b>P-61</b>	<p><b>Amido rare earth complexes coordinated by tridentate amidinate ligand. The synthesis, structure and catalytic activity</b>  <i>Linnikova O.A., A.A. Trifonov</i>  G. A. Razuvaev institute of organometallic chemistry of russian academy of sciences, Nizhny novgorod, Russia</p>
<b>P-62</b>	<p><b>Development of molecular materials based on porphyrin derivatives of metals with high-performance optoelectronic and magnetocaloric properties</b>  <i>Lomova Tatyana</i>  Krestov Institute of Solution Chemistry of the Russian Academy of Sciences, Russia</p>
<b>P-63</b>	<p><b>Facile access to aldehydes from calcium carbides as sustainable carbon source</b>  <i>Lotsman Kristina, Konstantin Rodygin, Valentine Ananikov</i>  Saint Petersburg State University, Russia</p>
<b>P-64</b>	<p><b>Unraveling structural, orbital, and spectral properties of D<sup>0</sup> organometallics: effective computational route</b>  <i>Loukova Galina V., Alexey A. Milov, Vladimir I. Minkin</i>  Institute of Problems of Chemical Physics, Russian Academy of Sciences, Russia</p>
<b>P-65</b>	<p><b>Tris(pyrazolyl)methane and tris(pyrazolylmethyl)amine –versatile ligands for design of In(III) complexes featuring magnetic and luminescent properties</b>  <i>Lyubov Dmitry, Tatyana Mahrova, Jérôme Long, Julia Larionova, Alexander Trifonov</i>  Institute of Organometallic Chemistry of Russian Academy of Sciences, Russia</p>
<b>P-66</b>	<p><b>Carboranyl tetrazoles as high energy compounds: synthesis and a computational study</b>  <i>Makarenkov Anton, Elena Kononova, Andrey Ponomaryov, Sergey Kiselev, Yurii Borisov, Valentina Ol'shevskaya</i>  A.N. Nesmeyanov Institute of Organoelement Compounds, Russia</p>



<b>P-67</b>	<b>Molecular structure of zirconium carbosilanes</b> <i>Mapolis A.P., G.I. Shcherbakova, P.A. Storozhenko</i> MIREA - Russian Technological University of Fine Chemical Technologies named after M.V. Lomonosov, Russia
<b>P-68</b>	<b>Bis(arene)chromium 1-(1-(N-phenylpropionamido)ethyl)-1-hydrofullerides</b> <i>Markin Gennady, Sergey Ketkov, Mikhail Lopatin, Andrei Shavyrin, Vyacheslav Kuropatov, Alexey Belikov</i> G.A. Razuvaev Institute of Organometallic Chemistry, Nizhny Novgorod, Russia
<b>P-69</b>	<b>Perfluorocarbon emulsion with porphyrinoids in photodynamic therapy</b> <i>Markova Alina, Elizaveta Belyaeva, Aida Ataeva, Sergey Kurkov, Nikolay Chkanikov, Alexander Shtil'</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-70</b>	<b>Synthesis of derivatives of anion [B10H10]2- with biologically active pendant groups</b> <i>Matveev E.Yu., Akimov S.S., Zhizhin K.Yu.</i> MIREA – Russian Technological University, Russia
<b>P-71</b>	<b>New tripodal ligands on the triphenylphosphine oxide platform as ancestors of atrane-type lanthanide complexes</b> <i>Matveeva Anna, Igor Kudryavtsev, Margarita Pasechnik, Sergey Matveev, Tat'yana Baulina, Olga Bykhovskaya, Valery Brel</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-72</b>	<b>Synthesis of new bulky phosphite and phosphoramidite ligands and their application in asymmetric hydrogenation</b> <i>Mikhel Igor S., Sergey E. Lyubimov, Marina V. Sokolovskaya, Kirill P. Birin, Vadim A. Davankov</i> A.N. Frumkin Institute of Physical Chemistry and Electrochemistry, Russia
<b>P-73</b>	<b>Synthesis and cytotoxicity of novel daunorubicin derivatives</b> <i>Moiseeva Aleksandra, Oleg Artyushin, Valery Brel</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-74</b>	<b>Charge-compensated rhodacarboranes as catalysts for annulation of arylcarboxylic acids with acetylenes</b> <i>Molotkov Alexander P., Dmitry A. Loginov</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-75</b>	<b>Monosubstituted pillar[5]arenes containing phosphoryl fragment as hosts for some metal cations</b> <i>Nazarova Anastasia A., Alsu I. Gilyazeva, Pavel L. Padnya, Ivan I. Stoikov</i> A. M. Butlerov Chemical Institute, Kazan Federal University, Russia
<b>P-76</b>	<b>Electrochemical properties of n-substituted <math>\alpha</math>-diphenylphosphinoglycines</b> <i>Nesterova Alina, Olga Soficheva, Dmitry Yakhvarov</i> Kazan (Volga region) Federal University, Kazan, Russia
<b>P-77</b>	<b>Terpenylammonium salts in catalytic and stoichiometric reactions with dibenzylideneacetone-palladium (0) complexes</b> <i>Nikolaev Semen E., Dmitry V. Khomishin, Zoya A. Starikova, Fedor M. Dolgushin, Elena A. Petrushkina</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia

<b>P-78</b>	<b>Synthesis of O-trimethylsilyl-N-(phenylsulfonyl)acetimidate</b> <i>Nikonov Alexey, Valeriy Serykh, Nikita Kolyvanov, Irina Sterkhova</i> A. E. Favorskii Irkutsk Institute of Chemistry, Siberian Division of Russian Academy of Sciences, Russia
<b>P-79</b>	<b>The Study of METHYL(R)CYCLOSILOXANES (R=H, ViNYL, Phenyl) with 1D- <sup>1</sup>H, <sup>13</sup>C, <sup>29</sup>Si and 2D-HSQC, DOSY NMR</b> <i>Nosova Valentina, Alexander Kisin, Dmitry Cheshkov, Vera Ivanova, Michail</i> State Research Institute of Chemistry and Technology of Organoelement Compounds, Russia
<b>P-80</b>	<b>Adenine and guanine perrhenates</b> <i>Novikov A.P., Grigoriev M.S. Safonov A.V., German K.E., Khrustalev V.N.</i> Peoples' Friendship University of Russia, Moscow, Russia
<b>P-81</b>	<b>Activation of C–H bonds of aromatic hydrocarbons under the action of DL-N-butylhafnocene</b> <i>Nurzhanova Elizaveta R., Vladimir V. Burlakov, Maxim V. Andreev, Vyacheslav S. Bogdanov, Vladimir B. Shur</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russian
<b>P-82</b>	<b>Peroxo complexes as models of metalloenzymes</b> <i>Oleksiienko Anna-Mariia, Alexandrova Lyubov Sergeevna, Smakotina Valeria Valeryevna, Scherbakova Elena Alekseevna, Danilova Marina Victorovna, Sharipov Mikhail Yuryevich</i> Institute of General and Inorganic Chemistry RAS N.S. Kurnakova, Russia
<b>P-83</b>	<b>Epoxy-poss as a modyfier for epoxy compositions</b> <i>Olikhova Yulia V., Alexander G. Ivanov</i> D. Mendeleev University of Chemical Technology of Russia, Russia
<b>P-84</b>	<b>The use of (α-ferrocenylalkyl) carbonates in the synthesis of ferrocene containing amino acids</b> <i>Opredeleynova Ksenia, Ekaterina Shevaldina, Sergey Moiseev</i> MIREA – Russian Technological University, Russia
<b>P-85</b>	<b>Organometallic Chemistry of new carbon materials: DFT investigation</b> <i>Oprunenko Yu. F., Nechaev M. S., Gloriov I. P., Kovalenko A. A., Zhulyaev N. S.</i> Department of Chemistry, Moscow State University, Russia
<b>P-86</b>	<b>The lacking ruthenium cluster Cp<sub>4</sub>Ru<sub>4</sub>(CO)<sub>4</sub></b> <i>Osintseva Svetlana, Nikollay Shtel'tser, Arkadii Kreindlin, Fedor Dolgushin, Oleg Semeikin</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-87</b>	<b>The biological decomposition of aromatic hydrocarbons as a way to improve of ecology</b> <i>Osipov Yaroslav</i> Vilnius Gediminas Technical University, Lietuva
<b>P-88</b>	<b>Advanced analysis of thermochemical properties of metallic alkanes of i-iv groups of mendeleev's table</b> <i>Ovchinnikov Vitaly, Alexey Kulakov</i> Department of General Chemistry and Ecology, Kazan national research technical university, named after A.N. Tupolev-KAI, Russia
<b>P-89</b>	<b>Synthesis of bis-NHC-silver(I) ionic complexes with 13 group metal halides</b> <i>Parfenyuk Tatyana, Igor Kazakov, Alexey Timoshkin</i> St. Petersburg State University, Russia

<b>P-90</b>	<b>Development of new receptors for heavy metal cations</b> <i>Pashanova Anna, Anastasia Zubenko</i> A. N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-91</b>	<b>Carborane complexes of ruthenium (II) with diphosphine ligands: synthesis and use in catalysis</b> <i>Penkal Anastasia M., Nikolay V. Somov, Ivan D. Grishin</i> Lobachevsky State University of Nizhny Novgorod, Russia
<b>P-92</b>	<b>Regularities of direct synthesis of methylchlorogermanes</b> <i>Pererva Oleg V., Sofiya A. Medvedeva, Yurii P. Endovin</i> SSC RF JSC GNIChTEOS, Russia
<b>P-93</b>	<b>1-(2,7-dimethyl-2,7-octadien-1-yl) – benzimidazole and 1-(2,7-dimethyl-1,7-octadien-3-yl) benzimidazole as fungicides</b> <i>Petrushkina Elena A.</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-94</b>	<b>Synthesis and investigation of structure of m-cresolesulfonic acid salts with NH<sub>4</sub><sup>+</sup>, K<sup>+</sup>, RB<sup>+</sup> and CS<sup>+</sup> cations by X-RAY structural and vibrational spectroscopy methods</b> <i>Pisarev Rostislav V., Pisareva Anna V., G. V. Shilov, A. I. Karelin, Yu. A. Dobrovolsky</i> Institute of Problems of Chemical Physics RAS, Chernogolovka, Russia
<b>P-95</b>	<b>Two new polymorphs of cis-perinone: crystal structures, physical and electric properties</b> <i>Polozov M. A., V.V. Polozova, D. A. Zherebtsov, C. P. Sakthidharan, R. Kanthapazham, S. A. Nayfert, V. V. Avdin.</i> Faculty of chemistry, South Ural State University, Russia
<b>P-96</b>	<b>Study of the cation-dependent resonance energy transfer in the crown-containing bischromophoric system based on 4-alkoxy- and 3,4-dimetoxytyril-1,8-naphthalimide</b> <i>Polyakova Anna, Pavel Panchenko</i> A. N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-97</b>	<b>Cyclohexadienyl rhodium complexes. synthesis and reactivity</b> <i>Pototskiy Roman A., Dmitry S. Perekalin</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-98</b>	<b>Rotaxane structures based on monophosphorylated pillar[5]arenes</b> <i>Potrekeeva Olga S., Anastasia A. Nazarova, Ivan I. Stoikov</i> A. M. Butlerov Chemical Institute, Kazan Federal University, Russia
<b>P-99</b>	<b>Synthesis of new functionalized aryl and hetaryl aminomethylenebisphosphonic acids via silicon-assisted methodology</b> <i>Prishchenko Andrey A., Roman S. Alekseyev, Mikhail V. Livantsov, Olga P. Novikova, Ludmila I. Livantsova, Valery S. Petrosyan</i> Department of Chemistry, M.V. Lomonosov Moscow State University, Russia
<b>P-100</b>	<b>Quantum chemical investigation of dipyrromethene complexes with D-elements</b> <i>Prokopenko Aleksandr, Rimma Kuznetsova, Vladimir Pomogaev, Ruslan Ramazanov, Mikhail Berezin</i> National Research Tomsk State University, Tomsk, Russia
<b>P-101</b>	<b>Fluorine-containing enamines as europium (III) complexonates</b> <i>Pugachov Dmitry, George Zatonskii, Natal'ya Sverdlova, Nikolai Vasil'ev</i> Moscow Region State University, Russia

<b>P-102</b>	<b>Bis(alkyl) rare-earth (III) complexes supported by amidinate-type ligands</b> <i>Rad'kova Natalia, Grigorii Skvortsov, Anton Cherkasov, Alexander Trifonov</i> G. A. Razuvaev Institute of Organometallic Chemistry of Russian Academy of Sciences, Russia
<b>P-103</b>	<b>First example of intermolecular homo-coupling of alkynyl phosphines with the formation of metallacyclopentadienes</b> <i>Ramazanov Ilfir R., Rita N. Kadikova, Aliya K. Amirova, Usein M. Dzhemilev</i> Institute of Petrochemistry and Catalysis of the Russian Academy of Sciences, Russia
<b>P-104</b>	<b>A general benzylic C-H activation and C-C coupling reaction at zirconocenes mediated by C-N bond cleavage in tert-butyliocyanide – unusual formation of iminoacyl complexes</b> <i>Reiß Fabian, Melanie Reiß, Perdita Arndt, Anke Spannenberg, Claas Schünemann, and Torsten Beweries</i> Leibniz Institute for Catalysis at the University of Rostock, Germany
<b>P-105</b>	<b>Tertiary phosphines in reactions with substituted cinnamic acids</b> <i>Romanov Semyon, Alfiya Aksunova, Yulia Bakhtiyarova, Vladimir Galkin</i> Kazan Federal University, Russia
<b>P-106</b>	<b>Theoretical and experimental-theoretical approach to the study of the topology of electron density in <math>\{Yb^{2+}_2(\mu_2-OCH(CF_3)_2)_3(\mu_3-OCH(CF_3)_2)_2 Yb^{3+}(OCH(CF_3)_2)_2(DME)_2\}</math></b> <i>Rumyantsev Roman, Georgy Fukin</i> G.A. Razuvaev Institute of Organometallic Chemistry of Russian Academy of Sciences, Nizhny Novgorod, Russia
<b>P-107</b>	<b>Synthesis of functionalized azo dyes and their siloxane derivatives to obtain colored polymer microspheres</b> <i>Ryzhkov A.I., Drozdov F.V., Cherkaev G.V., Gritskova I.A., Muzafarov A.M.</i> ISPM RAS, Moscow, Russia
<b>P-108</b>	<b>New ruthenocene-based palladium and ruthenium pincer complexes bearing the C5(CH3)4(CF3) ligand</b> <i>Safronov Sergey V., Alexander A. Pavlov, Alla A. Kamyshova, Viacheslav I. Sokolov, Elena S. Shubina, Avthandil A. Koridze</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-109</b>	<b>Controlling the functions of biomolecules in solution using [2+2] photocycloaddition</b> <i>Saifutiarova Alina, Elena Guskova, Elena Gulakova, Olga Fedorova, Yuri Fedorov</i> A. N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-110</b>	<b>Stable alkyl- and cationic alkyl complexes of LN (II, III) as effective catalysts for functionalization of six-membered N-containing heterocycles</b> <i>Selikhov A.N. and A.A. Trifonov</i> G. A. Razuvaev Institute of Organometallic Chemistry of Russian Academy of Sciences, Nizhny Novgorod, Russia
<b>P-111</b>	<b>Synthesis of N-(silylmethyl)benzenesulfonamides</b> <i>Serykh Valeriy, Alexey Nikonov, Nikita Kolyvanov</i> A. E. Favorskii Irkutsk Institute of Chemistry, Siberian Division of Russian Academy of Sciences, Russia

P-112	<p><b>One-pot cyclohexyl cyclohexanecarboxylate synthesis from cyclohexanol and CO<sub>2</sub> at catalysis by Pd(PPh<sub>3</sub>)<sub>2</sub>Cl<sub>2</sub> / PPh<sub>3</sub> / p-toluenesulfonic acid system</b>  <u>Sevostyanova Nadezhda, Sergey Batashev</u>  Research and Production Center "Himreaktivdiagnostika", Tula, Russia</p>
P-113	<p><b>Synthesis of biologically active metal complexes based on 3-formilchromone derivatives</b>  <u>Shatokhin Stanislav S., Vladislav A. Tuskaev, Svetlana Ch. Gagieva, Eduard T. Oganessian</u>  Pyatigorsk Medical and Pharmaceutical Institute – branch of Volgograd State Medical University, Russia</p>
P-114	<p><b>Condensation of organoytriumoxanalumoxanes with chromium acetylacetonate</b>  <u>Shcherbakova Galina, Natalia Kutinova, Maxim Shaukhin, Oleg Abramova</u>  State Research Institute for Chemistry and Technology of Organoelement Compounds, Russia</p>
P-115	<p><b>The synthesis of new compounds with potencial biologic activity based on fullerene C<sub>60</sub> and a derivative of vitamin B<sub>12</sub></b>  <u>Shepeta Nadezhda, Valentina Romanova, Konstantin Kochetkov</u>  A.N.Nesmeyanov Institute of Organoelement Compounds, Russia</p>
P-116	<p><b>Sydnone imines – plant growth regulators</b>  <u>Shevaldina Ekaterina, Ilya Cherepanov, Yury Spiridonov, Sergey Moiseev</u>  A.N. Nesmeyanov Institute of Organoelement Compounds, Russia</p>
P-117	<p><b>1-aminophosphonic acid derivatives of p-tert-butylthiacalix[4]arene for construction of biocompatible hybrid nanomaterial for bone implantants: synthesis and supramolecular properties</b>  <u>Shibaeva Ksenia, Dmitriy Shurpik, Ivan Stoikov</u>  Alexander Butlerov Institute of Chemistry, Kazan Federal University, Russia</p>
P-118	<p><b>2,2'-Dihydroxyazobenzene as (ONO')TRIDENTATE ligand: Synthesis and Structure of pentacoordinate silicon complexes</b>  <u>Soldatenko Anastasiya S., Irina V. Sterkhova and Nataliya F. Lazareva</u>  A. E. Favorsky Irkutsk Institute of Chemistry, Siberian Branch of the Russian Academy of Sciences, Russia</p>
P-119	<p><b>Features of the electronic structure of neutral complexes of Fe (III) with salicylaldehyde thiosemicarbazone ligand</b>  <u>Spitsyna Nataliya, Maxim Blagov, Vladimir Krapivina</u>  Institute of Problems of Chemical Physics RAS, Chernogolovka, Russia</p>
P-120	<p><b>Oxaphospholenes and phosphacoumarins in synthesis of functionally substituted phosphonium salts and phosphine oxides with antimicrobial activity and antitumor activity</b>  <u>Tatarinov D. A., N. V. Terekhova A.D., Voloshina A.S., Sapunova A.P., Lyubina V. F. Mironova</u>  Arbuzov Institute of Organic and Physical Chemistry, FRC Kazan Scientific Center of RAS, Russia</p>
P-121	<p><b>Chemoselective oxidative phosphorylation of aminothiophenols with the secondary phosphine selenide/CCL<sub>4</sub>/ET<sub>3</sub>N system</b>  <u>Telezhkin Anton A., Kseniya O. Khrapova, Pavel A. Volkov</u>  A. E. Favorsky Irkutsk Institute of Chemistry, Siberian Branch of the Russian Academy of Sciences, Russia</p>

P-122	<p><b>Oxaphosphole 2-oxides on a basis of 2-Hydroxy-<math>\alpha,\alpha</math>-dimethylarylmethanol in reactions with organomagnesium compounds</b></p> <p><i>Terekhova Natalia V., Dmitry A. Tatarinov, Valery K. Brel, Vladimir F. Mironov</i> Arbuzov Institute of Organic and Physical Chemistry, FRC Kazan Scientific Center, Russian Academy of Sciences, Russia</p>
P-123	<p><b>Tetra-4-(4-butyl/butoxyphenoxy)phthalocyanines of cobalt and copper</b></p> <p><i>Tikhomirova Tatiana, Dmitry Erzunov, Vladimir Maizlish, Arthur Vashurin</i> Department of Inorganic Chemistry. Ivanovo State University of Chemistry and Technology, Russia</p>
P-124	<p><b>Single molecule magnets based on DY3+ complexes supported by diazabutadiene and alkoxide ligands</b></p> <p><i>Tolpygin A.O., Jérôme Long, A.A. Trifonov</i> Institute of Organometallic Chemistry of Russian Academy of Sciences, Nizhny Novgorod, Russia</p>
P-125	<p><b>Mesoionic derivatives of siloxanes</b></p> <p><i>Trankina Ekaterina, Ilya Cherepanov, Natalia Frolova, Ivan Godovikov</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia</p>
P-126	<p><b>Reductive amidation without external hydrogen source</b></p> <p><i>Tsygankov Alexey A., Maria Makarova, Karim M. Muratov, Oleg I. Afanasyev and Denis Chusov</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia</p>
P-127	<p><b>Complexation of the perfluorinated three-mercury anticrown (o-C6F4Hg)3 with monohalobenzenes</b></p> <p><i>Tugashov K.I., S.M. Yunusov, E.S. Kalyuzhnaya, F.M. Dolgushin, A.S. Peregudov, Z.S. Klemenkova, M.Kh. Minacheva, I.A. Tikhonova, V.B. Shur</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia</p>
P-128	<p><b>Synthesis of new cage systems based on 1,3,5-trihydroxy-1,3,5-triazacyclohexanes</b></p> <p><i>Ushakov Pavel, Ivan Golovanov, Alexey Sukhorukov</i> M.V. Lomonosov Moscow State University, Moscow, Russia</p>
P-129	<p><b>Synthesis and study of crown-containing bisstyryl dye complexes with various metal cations by using fret process</b></p> <p><i>Ustimova Mariya A., Olga A. Fedorova, Yuriy V. Fedorov</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia</p>
P-130	<p><b>Electron-microscopic analysis of hybrid materials based on multi-wall carbon nanotubes and WO3 and CUO nano-coatings</b></p> <p><i>Vilkov Ilya, Kirill Kremlev, Pavel Andreev, Galina Zabrodina, Anatoly Obyedkov, Boris Kaverin, Nicolay Semenov, Sergey Ketkov, Sergey Gusev, Dmitry Tatarsky</i> Institute of Metalorganics Chemistry G.A. Rasuvaeva RAS, Nizhny Novgorod, Russia</p>
P-131	<p><b>Catalyst-free phosphorylation of pyridines with secondary phosphine chalcogenides triggered by acylacetylenes: novel type of S<sub>n</sub><sup>h</sup>ar reaction</b></p> <p><i>Volkov Pavel A., Anton A. Telezhkin, Kseniya O. Khrapova</i> A. E. Favorsky Irkutsk Institute of Chemistry, Siberian Branch of the Russian Academy of Sciences, Russia</p>
P-132	<p><b>Synthesis of <math>\alpha</math>-cf3-<math>\alpha</math>-ornithine derivatives via copper (I)-catalyzed hydroamination of alkenes</b></p> <p><i>Vorobyeva Daria, Anna Philippova, Sergey Osipov</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia</p>

<b>P-133</b>	<b>Synthesis of hydrophobic, hydrophilic and amphiphilic stereoregular organocyclosilsesquioxanes</b> <i>Vysochinskaya Yulia, Anton Anisimov, Olga Shchegolikhina, Aziz Muzafarov</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-134</b>	<b>Synthesis and photophysical properties of ruthenium (II) complexes containing 1H-imidazo[4,5-f] [1,10]phenanthroline and bipyridine derivatives</b> <i>Yaltseva Polina, Sergey Tokarev, Olga Fedorova, Yuri Fedorov</i> Chemistry Department, Lomonosov Moscow State University, Russia
<b>P-135</b>	<b>Novel hybrid materials based on multi-walled carbon nanotubes and nanoscale coatings of copper oxide or tungsten oxide</b> <i>Zabrodina Galina, Kirill Kremlev, Ilya Vilkov, Anatoly Obiedkov</i> G. A. Razuvaev Institute of Organometallic Chemistry of Russian Academy of Sciences, Nizhny Novgorod, Russia
<b>P-136</b>	<b>Efficient access to the carborane triazole porphyrins via copper-catalyzed 1,3-dipolar cycloaddition reaction and their photophysical and biological properties</b> <i>Zaitsev Andrei, Anton Makarenkov, Alexandra Radchenko, Alexey Kostyukov, Alina Markova, Vladimir Kuzmin, Alexander Shtil, Valentina Ol'shevskaya.</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-137</b>	<b>Conjugates of naphthalimide dyes and bacteriochlorin derivative as theranostic agents for photodynamic therapy</b> <i>Zakharko M.A., Panchenko P.A., Fedorova O.A., Pritmov D.A., Grin M.A., Mironov A.F.</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-138</b>	<b>Comparison of complexing properties of amide-type benzo- and pyridine-azacrown compounds</b> <i>Zubenko Anastasia, Bayirta Egorova, Olga Fedorova</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia
<b>P-139</b>	Protolysis of seven-membered zirconacyclocumulenes <i>Andreev Maxim V., Vladimir V. Burlakov, Vyacheslav S. Bogdanov, Perdita Arndt, Wolfgang Baumann, Anke Spannenberg, Uwe Rosenthal, Torsten Beweries, Vladimir B. Shur</i> A.N. Nesmeyanov Institute of Organoelement Compounds, Russia