

28.04.2021

General meeting 10:00 - 10:20

Welcome greetings from the representatives of
Novosibirsk State Technical University,
Al Farabi Kazakh National University
Institute of Solid State Chemistry and Mechanochemistry SB RAS

10:20 - 17:00 Oral presentations

Section 1. Synthesis, modification, investigation and manufacture of functional materials

10:20	Dudina Dina V. Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk Institute of Hydrodynamics SB RAS, Novosibirsk State Technical University, Novosibirsk, Russia	Spark plasma sintering features of ball-milled powders: experimental results and discussion
10:50	Shindrov Alexander Alexandrovich Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Crystal structure and electrochemical properties of sodium ferrous sulfate phosphate $\text{NaFe}_2\text{PO}_4(\text{SO}_4)_2$
11:05	Zhou Valeria Romanovna National Research Tomsk State University	Electric explosion of conductors to obtain antibacterial bicomponent ZnO-Ag nanoparticles
11:20	Toksanbai Akbota Akimzhanovna Al-Farabi Kazakh National University, Almaty Kazakhstan	Obtaining silver-containing multilayers based on modified clayey materials
11:35	Semykina Daria Olegovna Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Mathematical modeling of charging and discharging processes in lithium and sodium ion batteries
11:50	Rakhym Akmaral Bakhytzhanqyzy Al-Farabi Kazakh National University, Almaty Kazakhstan	The effect of treatment with sodium chloride and hydrochloric acid on the physicochemical characteristics of fireclay
12:05	Vidyuk Tomila Maksimovna Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Obtaining TiC-Cu composites by electrospark sintering of Ti-Cu-C (carbon black) and Ti-Cu-C (graphite) mixtures
12:20	Podgornova Olga Andreevna Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Influence of the composition of carbon-containing precursors on the properties of composite cathode materials $\text{LiFe}_{0.5}\text{Mn}_{0.5}\text{PO}_4 / \text{C}$
12:35	Bushueva Evdokia Gennadievna Novosibirsk State Technical University, Novosibirsk, Russia	Effect of Chromium Concentration on Corrosion Resistance of Surface Layers of Chromium-Nickel Steel

12:50-14:00 Lunch break

14:00	Ponomareva Valentina Georgievna Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Proton-conducting composite membranes based on metal-organic coordination polymers
14:30	Petrova Yulia Yurievna Surgut State University, Russia	Magnetic sorption materials for the extraction of organic anions from aqueous solutions
14:45	Kubasheva Zhanar Bolatovna Al-Farabi Kazakh National University, Almaty Kazakhstan	Synthesis and characterization of silver/diatomite nanocomposite
15:00	Bryleva Yulia Anatolievna Institute of Inorganic Chemistry SB RAS, Novosibirsk, Russia	Photo- and triboluminescent coordination polymers Tb (III) and Eu (III) based on aromatic bisphosphine oxides

15:15	Gerus Yuri Yurievich Novosibirsk State Technical University, Novosibirsk, Russia	Synthesis of calcium aluminates by airtel method
15:30	Kokina Tatiana Evgenievna Institute of Inorganic Chemistry SB RAS, Novosibirsk, Russia	Complexes of Zn (II), Cd (II), and Pd (II) with a chiral 1,10-phenanthroline derivative containing di-isopropylidene glucose: synthesis, structure, properties
15:45	Udalova Tatiana Alexandrovna Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Mechanochemical synthesis and reduction of complex oxides of niobium and tantalum with magnesium
16:00	Shevchenko Natalia Sergeevna Novosibirsk State Technical University, Novosibirsk, Russia	Mechanochemical Synthesis of Pb ₂ MgWO ₆ Piezoceramic with Dopants
16:15	Shiyanova Radmira Andreevna Al-Farabi Kazakh National University, Almaty Kazakhstan	Composite material based on chamotte clay for desalination of salt water
16:30	Koledova Ekaterina Sergeevna Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Obtaining bismuth-ammonium citrate
16:45	Baltabayeva Balnur Kyzyrbekkyzy Al-Farabi Kazakh National University, Almaty Kazakhstan	Preparation of silver supporting nanocomposites for wound dressing materials

Section 2. Chemical engineering, catalytic processes, environmental aspects of applications of functional materials

10:20	Abdollah Esmaeili Al-Farabi Kazakh National University, Almaty Kazakhstan	Applications of Catalysts in Oil and Gas Industry
10:50	Abdollah Esmaeili Al-Farabi Kazakh National University, Almaty Kazakhstan	Technologies for Removing Sulfur from Heavy Crude Oil
11:05	Derevshikov, Vladimir Sergeevitch Institute of Catalysis SB RAS, Novosibirsk, Russia	Water-soluble polymers as the enhancers of CO ₂ sorption by lime-based sorbents
11:20	Sinelnikova Yulia Evgenievna Novosibirsk State Technical University, Novosibirsk, Russia	The use of zinc citrate for the production of carbon materials
11:35	Bulybayev Marat Al-Farabi Kazakh National University, Almaty Kazakhstan	Hydroetoxycarbonylation of cyclohexene in the presence PdCl ₂ (PPh ₃) ₂ -PPh ₃ -AlCl ₃ system
11:50	Buzaev Nurdaulet Amanzholy Al-Farabi Kazakh National University, Almaty Kazakhstan	Obtaining of low sulfur coke from heavy oil residues
12:05	Antonov Ilya Mikhailovich Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Study of the synthesis of a copolymer of isodecyl and benzyl methacrylates after radiation initiation
12:20	Malbakhova Inna Alexandrovna Novosibirsk State Technical University, Novosibirsk, Russia	Method of obtaining microtubular nickel membranes for hydrogen purification
12:35	Baizhumanova Tolknyn S. Al-Farabi Kazakh National University, Almaty, Kazakhstan	Production of syngas over Ni-Co catalyst prepared by solution combustion synthesis method

12:50-14:00 Lunch Break

14:00	Zagoruiko Andrey Nikolaevich Institute of Catalysis, Siberian Branch of the	Modern functional materials and technologies based on them for solving environmental problems in industry,
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	Academy of Sciences, Novosibirsk, Russia	energy and transport
14:30	Barshabaeva Aigerim Ornykpaevna Al-Farabi Kazakh National University, Almaty Kazakhstan	Influence of cavitation impact on physical and chemical properties of fuel oil
14:45	Alimukhanbetova Maral Musaena al-Farabi Kazakh National University, Almaty, Kazakhstan	Acid properties of catalytically intelligent systems "nanometal-polymer-natural zeolite" for the synthesis of high-octane additives
15:00	Vornakova Ekaterina Andreevna National Research Tomsk State University	Organo-inorganic composites based on bicomponent metal nanoparticles to combat marine biofouling
15:15	Ermekbaeva Gulsezim Tureakhmetovna Al-Farabi Kazakh National University, Almaty Kazakhstan	Production of coke of improved quality by hydrotreating of coal tar
15:30	Zyryanov Vladimir Vasilievich Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Smart oxygen membrane
15: 45	Ilyin Igor Yurievich Institute of Inorganic Chemistry SB RAS, Novosibirsk, Russia	Development of MOCVD processes for producing iridium-containing electrocatalysts for water oxidation
16:00	Lazarenko Nikita Sergeevich Novosibirsk State Technical University, Novosibirsk, Russia	Investigation of the effect of organic additives on 3-d structured catalysts for the hydroprocessing of tar and fuel oil
16:15	Lapin Andrey Vladimirovich Novosibirsk State Technical University, Novosibirsk, Russia	Effective building materials using man-made waste and mineral raw materials
16:30	Kurmangaliyeva Ayazhan B Al-Farabi Kazakh National University, Almaty Kazakhstan	The use of natural zeolite for the processing of polymer waste
16:45	Mukhametzhanova Anar Amankeldykyzy Al-Farabi Kazakh National University, Almaty Kazakhstan	Extraction of magnesium from technogenic chrysotile-asbestos waste from the Zhitikara deposit

29.04.2021

10:00 - 17:00 Plenary sessions
17:00 General session, discussion

Section 1. Synthesis, modification, investigation and manufacture of functional materials

10:00	Lavrenova Lyudmila Georgievna Institute of Inorganic Chemistry SB RAS, Novosibirsk, Russia	Magnetic and biologically active coordination compounds of iron (II) and copper (II)
10:30	Rakhmatullayeva Dilafuz Talgatkyzy Al-Farabi Kazakh National University, Almaty Kazakhstan	Obtaining antibacterial coatings for suture surgical threads
10:45	Lavrukhina Svetlana Alexandrovna Institute of Inorganic Chemistry SB RAS, Novosibirsk, Russia	Study of the effect of hydrogen bonds on the electronic structure of calix- and thiacalixarenes by X-ray emission spectroscopy
11:00	Antropova Kristina Alexandrovna Novosibirsk State Technical University, Novosibirsk, Russia	Influence of the SrAl ₁₂ O ₁₉ content formed during sintering on the characteristics of oxide ceramics
11:15	Zholdaskalieva Kamilla Aktilekkyzy Al-Farabi Kazakh National University, Almaty Kazakhstan	The effect of carbon porosity on the phase transitions and polymorphism of ionic liquid 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide
11:30	Baranchieva Zarina Erbolovna Al-Farabi Kazakh National University, Almaty Kazakhstan	Sorption characteristics of materials based on zeolite and chamotte clay
11:45	Bannykh Denis Andreevich Novosibirsk State Technical University, Novosibirsk, Russia	Effect of mechanical treatment of iridium on solid-phase interaction with boride and tungsten carbide
12:00	Abik Nariman Askarbekuly Al-Farabi Kazakh National University, Almaty	Obtaining bitumen from coal of the Shubarkol deposit

	Kazakhstan	
12:15	Matveeva Anastasia Sergeevna Novosibirsk State Technical University, Novosibirsk, Russia	Optimization of the parameters of plasma-stimulated CVD synthesis of hybrid films of diamond / carbon nanotubes on silicon substrates
12:30	Mikhailovskaya Anastasia Vitalievna Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Preparation and thermal stability of mixed crystals of betulin and suberic acid

12:45-14:00 Lunch break

14:00	Uvarov Nikolay Favstovich Novosibirsk State Technical University, Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Solid electrolytes based on organic salts of substituted ammonium
14:30	Grigorieva Veronika Dmitrievna Institute of Inorganic Chemistry SB RAS, Novosibirsk, Russia	Czochralski growth of Li_2MoO_4 crystals for scintillator applications
14:45	Drozov Vladimir Olegovich Institute of Theoretical and Applied Mechanics them. S.A. Khristianovich SB RAS	Obtaining composite particles of Ti powder - 25 wt. % TiN for use in GHP and CGN by mechanical treatment in a planetary mill
15:00	Kvashnin Vyacheslav Igorevich Novosibirsk State Technical University, Novosibirsk, Russia	Spark sintering and forging of a composite material with an aluminum matrix, strengthened by particles of metallic glass Fe66Cr10Nb5b19
15:15	Goloso Mikhail Alekseevich Novosibirsk State Technical University, Novosibirsk, Russia	Influence of various parameters on the processes of solid-phase interaction in the iridium - silicon carbide system
15:30	Gudyma Tatiana Sergeevna Novosibirsk State Technical University, Novosibirsk, Russia	Optimization of the temperature of obtaining a powder composite material $\text{B}_4\text{C} - \text{ZrB}_2$ by the carbide boring method
15:45	Malbakhova Inna Alexandrovna Novosibirsk State Technical University, Novosibirsk, Russia	Preparation of bimetallic copper-nickel nanoparticles by reduction in benzyl alcohol
16:00	Mateyshina Yulia Grigorievna Novosibirsk State Technical University, Novosibirsk, Russia	Composite solid electrolytes based on nanodiamonds
16:15	Bagryantseva Irina Nikolaevna Novosibirsk State Technical University, Novosibirsk, Russia	Polymer composite electrolytes based on CsH_2PO_4
16:30	Kokovkin Vasily Vasilievich Institute of Inorganic Chemistry SB RAS, Novosibirsk, Russia	Spin crossover in iron (II) complexes with poly nitrogen-containing heterocyclic ligands in solutions
16:45	Ukhina Arina Viktorovna Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Obtaining tungsten-containing coatings on the surface of synthetic diamond and their effect on the thermal conductivity of copper-diamond composites

Section 2. Chemical engineering, catalytic processes, environmental aspects of applications of functional materials

10:00	Tungatarova Svetlana Al-Farabi Kazakh National University, Almaty Kazakhstan	Composite materials based on La – Mg – Mn – Ni – Al in catalytic oxidative reforming of methane
10:30	Ilyina Ekaterina Vladimirovna Institute of Catalysis, Siberian Branch of the Academy of Sciences, Novosibirsk, Russia	Synthesis and oxidation properties of Pd / MgO catalysts.
10:45	Abdrasilova Albina Kanatovna Al-Farabi Kazakh National University, Almaty Kazakhstan	Synthesis and physico-chemical characteristics of catalysts based on mesoporous aluminosilicates
11:00	Alexander A. Kapustin Novosibirsk State Technical University,	Analysis of the operation of a catalytic unit for the selective oxidation of ammonia

	Novosibirsk, Russia	
11:15	Nauryzbay Aizhan Khamzakyy Al-Farabi Kazakh National University, Almaty Kazakhstan	Stabilization of water-coal suspensions
11:30	Nurtazina Nargiza Dosmurzaevna Al-Farabi Kazakh National University, Almaty Kazakhstan	Kinetics of leaching of copper ore dressing tailings with hydrochloric acid and sodium hypochlorite solutions
11:45	Kalizhnikova Evgeniya Evgenievna Novosibirsk State Technical University, Novosibirsk, Russia	Synthesis of N-methyl derivatives of fluorinated bromine-containing quinolin-2-ones
12:00	Khamlenko Anastassiya Andreevna Al-Farabi Kazakh National University, Almaty Kazakhstan	Composite catalysts for the catalytic processing of fuel oil
12:15	Tursynkhankyzy Maira Al-Farabi Kazakh National University, Almaty Kazakhstan	Carboxylation of hydroxyarenes with potassium ethyl carbonate
12:30	Makhambetov A.Y. Al-Farabi Kazakh National University, Almaty Kazakhstan	Assessment of CO ₂ flooding as enhanced oil recovery

12:45-14:00 Lunch break

14:00	Lomovsky Oleg Ivanovich Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Mechanochemical recovery of soil humates
14:30	Ovchinnikova Daria Andreevna Novosibirsk State Technical University, Novosibirsk, Russia	Oxidation of carbon monoxide in the presence of metal-supported mayenite-based systems
14:45	Daminov Artem Sergeevich Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Hydrolytic process of bismuth processing to obtain compounds
15:00	Otynshev Eldar Bolatuly Kazakh National University named after Al- Farabi, Almaty, Kazakhstan	Hydrotreating of ozonized coal tar
15:15	Omirezakova Arnur Tuimebaykyzy Kazakh National University named after Al- Farabi, Almaty, Kazakhstan	Metal Organic Frameworks based on copper (II) compounds in catalysis
15:30	Semushkina Galina Igorevna Institute of Inorganic Chemistry SB RAS, Novosibirsk, Russia	Photoactivation of acetonitrile in a fluorinated graphite matrix
15:45	Smagulova Indira Askarkyzy Al-Farabi Kazakh National University, Almaty Kazakhstan	Oxidation of aliphatic alcohols by catalase encapsulated in a macroporous matrix of polyampholytic cryogel
16:00	Suimbaeva Saltanat Malikovna Al-Farabi Kazakh National University, Almaty Kazakhstan	Liquid-phase hydrogenation of 1-hexene on multicomponent skeletal nickel catalysts
16:15	Tregubova Karina Vitalievna Novosibirsk State Technical University, Novosibirsk, Russia	Synthesis and study of calcium aluminates C12A7 and catalysts Pd / C12A7
16:30	Abdollah Esmaeili Al-Farabi Kazakh National University, Almaty Kazakhstan	Polymer Gel Design, Production and Injection into Oil Producing Interval of a Sandstone Reservoir to Prevent Extra Produced Water

17:00 General session, discussion, summing up the Conference

Poster presentations

Section 1. Synthesis, modification, investigation and manufacture of functional materials

№	Докладчик	Название доклада
1.	Zhelezov Denis Ilyich Gagarin Saratov State Technical University, Saratov, Russia	Reduced graphene oxide supercapacitor electrode
2.	Borisenko Tatiana Andreevna Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Preparation of silver nanoparticles and nanoplates by polyols reduction of its salts with oxyethylated carboxylic acid
3.	Vasilyeva Tatiana Alexandrovna Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Morphology of mesoporous materials obtained by anodizing tin under various conditions
4.	Golovakhin Valery Valerievich Novosibirsk State Technical University, Novosibirsk, Russia	Investigation of the process of chemical treatment of carbon nanofibers for supercapacitors
5.	Grigoriev Vladimir Dmitrievich Novosibirsk State Technical University, Novosibirsk, Russia	Study of the mechanochemical interaction of tungsten with liquid gallium
6.	Guskov Rostislav Dmitrievich Novosibirsk State Technical University, Novosibirsk, Russia	Study of proton conductivity and structural properties of polymer electrolytes CsH ₅ (PO ₄) ₂ -polyvinylbutiral
7.	Dormidonova Daria Olegovna Novosibirsk State Technical University, Novosibirsk, Russia	Investigation of the mechanical strength of composite polymer electrolytes based on CsH ₂ PO ₄
8.	Loginov Anton Viktorovich Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia, NSTU	Synthesis of nanocomposites based on strontium stannate
9.	Eremina Natalia V. Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Features of mechanochemical synthesis of hydroxyapatite doped with copper and zinc ions
10.	Zhdanok Alexander Alexandrovich Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Influence of silicon carbide modifiers on the physical and mechanical properties of gray cast iron and nodular cast iron
11.	Bagishev Artem Sergeevich Novosibirsk State Technical University, Novosibirsk, Russia	Development of composite electrode materials based on nanosized nickel and zirconium oxide for the manufacture of fuel cells using additive technologies
12.	Zima Tatiana Methodievna Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia, NSTU	Hydrothermal synthesis of particles of cathode material LiFePO ₄ with controlled morphology
13.	Kvashina Tatiana Sergeevna Novosibirsk State Technical University, Novosibirsk, Russia	Synthesis of titanium carbide by sintering without applying pressure
14.	Kozlova Anna Vladimirovna Novosibirsk State Technical University, Novosibirsk, Russia, ISSCM SB RAS	Investigation of the phase formation of composites based on lithium titanate using the XRF SR method
15.	Lapekin Nikita Igorevich Novosibirsk State Technical University, Novosibirsk, Russia	Investigation of the electrophysical properties of compacted carbon nanomaterials
16.	Malbakhova Inna Alexandrovna Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Features of the formation of conductive films during thermal and laser sintering of silver nanoparticles
17.	Mishchenko Ksenia Vladimirovna Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Synthesis of nanosized bismuth particles in ethylene glycol from formates
18.	Petukhova Valeria Vladimirovna Novosibirsk State Technical University, Novosibirsk, Russia	MOCVD Pt, Ir - coatings for medical applications

19.	Perebeinos Alina Alexandrovna Novosibirsk State Technical University, Novosibirsk, Russia	Obtaining the main bismuth salicylate in the processing of nitric acid solutions
20.	Potekhina Natalia Andreevna Novosibirsk State Technical University, Novosibirsk, Russia	Analysis of variance of powders of the precursor of basic bismuth oxalate for the preparation of β -Bi ₂ O ₃
21.	Popov Maxim Viktorovich Institute of Organic Chemistry RAS, Moscow, Russia	Study of porous carbon materials for supercapacitors
22.	Raspopina Olesya Andreevna Novosibirsk State Technical University, Novosibirsk, Russia	Silver modification of synthetic meltblown nonwoven fabric
23.	Svistelnikova Yulia Vitalievna Novosibirsk State Technical University, Novosibirsk, Russia	Synthesis of magnesium phenolate as a precursor for the production of mesoporous carbon materials
24.	Simonenko Elizaveta Vladimirovna Novosibirsk State Technical University, Novosibirsk, Russia	Investigation of the processes of ion exchange $\text{Na}^+ \rightarrow \text{Li}^+$ and the chemical interaction of one-dimensional layered structures of Na ₂ Ti ₃ O ₇ with an aqueous solution of lithium hydroxide
25.	Timakova Evgeniya Vladimirovna Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia, NSTU	Influence of the chemical history of α -Bi ₂ O ₃ on the morphology of the obtained basic bismuth succinate
26.	Tyapkin Pavel Yurievich Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Using computer simulation methods to calculate the deformation energy of the tetra-n-butylammonium ion
27.	Ulikhin Artem Sergeevich Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Synthesis and electrical properties of the compound Ag ₁₆ I ₁₂ P ₂ O ₇
28.	Khasenova Kamila Mirkhaovna Novosibirsk State Technical University, Novosibirsk, Russia	Study of the stability of ultra-high molecular weight polyethylene to mechanochemical and radiation exposure
29.	Khusnutdinov Vyacheslav Ramilevich Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Synthesis of porous ceramics for ceramic biosensors
30.	Shestakov Artyom Alexandrovich Novosibirsk State Technical University, Novosibirsk, Russia	Investigation of the electrophysical properties of DER-331 / TU and DER-331 / TU / MWCNT epoxy resin systems of various mass ratios
31.	Dmitry Alekseev Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Study of composite solid electrolytes (1-x) LiClO ₄ - xMgAl ₂ O ₄
32.	Yuriy Leonidovich Krutskii Novosibirsk State Technical University, Novosibirsk, Russia	About of carbothermal and boron carbide reduction of oxides of some transition metals

Section 2. Chemical engineering, catalytic processes, environmental aspects of applications of functional materials

33.	Bedilo Alexander Fedorovich Institute of Catalysis, Siberian Branch of the Academy of Sciences, Novosibirsk, Russia	Development of methods for the synthesis of highly dispersed calcium aluminates and catalysts based on them
34.	Maksotova Kuralay Sakenkyzy Al-Farabi Kazakh National University, Almaty Kazakhstan	Environmentally friendly method of organophosphorus compounds synthesis
35.	Temirova A.M. Al-Farabi Kazakh National University, Almaty Kazakhstan	Conversion of propane-butane fraction into aromatic hydrocarbons on zeolite-containing catalysts
36.	Antonov Ilya Mikhailovich Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Electrical insulating composite based on radiation-polymerized copolymer of isodecyl methacrylate and benzyl methacrylate with W with maximum density
37.	Visurkhanova Yakha Amkhadovna	Influence of copper cations on the reduction ability of

	Al-Farabi Kazakh National University, Institute of Organic Synthesis and Coal Chemistry, Almaty, Kazakhstan	mixed zinc-copper ferrite and its electrocatalytic properties
38.	Ostrovsky Yuri Vladimirovich Novosibirsk State Technical University, Novosibirsk, Russia	Flameless disposal of liquid organic waste
39.	Duzelbaeva Samal Dusupkyzy Al-Farabi Kazakh National University, Almaty Kazakhstan	Methods for separating wool fat from washing waters, obtaining lanolin, deep processing of wool fat
40.	Ivan Kovalev Novosibirsk State Technical University, Novosibirsk, Russia	Study of the dependence of the oxygen permeability of microtubular membranes based on perovskite-like materials on the geometry of the gas-impermeable layer
41.	Krebaeva Lazat Utebergenovna Al-Farabi Kazakh National University, Almaty Kazakhstan	Production of long-chain α -olefins by cracking of paraffin on CHP supported for modified natural zeolite
42.	Lapin Andrey Vladimirovich Novosibirsk State Technical University, Novosibirsk, Russia	The use of crushed granite screenings to obtain building materials
43.	Zhakirova Nurbubi Al-Farabi Kazakh National University, Almaty Kazakhstan	Technology for transformation of high-viscosity and high-paraffin oil raw materials using electromagnetic processing
44.	Nurlan Annas Al-Farabi Kazakh National University, Almaty Kazakhstan	Development of new carbon supports for rhodium in the creation of benzene hydrogenation catalysts
45.	Oksana Novgorodtseva Novosibirsk State Technical University, Novosibirsk, Russia, ISSCM SB RAS	Study of the effect of pH on the adsorption of sulfite on gold
46.	Ovchinnikova Svetlana Nikolaevna Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk, Russia	Influence of the nature of the terminal group of alkanethiols on the electrochemical stability and blocking ability of self-assembled nanofilms on a gold electrode
47.	Ostrovsky Yuri Vladimirovich Novosibirsk State Technical University, Novosibirsk, Russia	Flameless disposal of solid organic waste
48.	Popov Maxim Viktorovich Institute of Organic Chemistry RAS, Moscow, Russia	Synthesis of catalysts by the heterophase sol-gel method and fusion of metal salts for the catalytic decomposition of methane
49.	Rogozhnikov Nikolay Andreevich Novosibirsk State Technical University, Novosibirsk, Russia, ISSCM SB RAS	Adsorption of the SCN ⁻ ion on the Au (111) face
50.	Seitzhan Raikhan Sarsenkyzy Karaganda University named after academician E.A. Buketova, Karaganda	Investigation of the middle fraction obtained by ultracavitation processing of primary coal tar
51.	Hertek Chay-Suu Eker-oolovna Novosibirsk State Technical University, Novosibirsk, Russia	Atomic absorption determination of precious metals in geological and technological objects using two-stage probe atomization
52.	Usenov Nurlan Al-Farabi Kazakh National University, Almaty, Kazakhstan	Catalytic processing of distillate fractions of the resin in the presence of finely dispersed catalysts
53.	Tsimbulova Ekaterina Andreevna Novosibirsk State Technical University, Novosibirsk, Russia	Synthesis of hybrid derivatives of ursolic acid and study of their antioxidant activity by the DPPH method.