

ORGANIZING COMMITTEE

Chairperson:

Sevinj Hajiyeva Head of the Department of Ecological Chemistry, Baku State University (BSU), Azerbaijan

Vice-Chairmen:

Fuad Karimli Dean of the Faculty of Chemistry, BSU, Azerbaijan

Fatali Huseynov Deputy Dean for Scientific Affairs, Faculty of Ecology and Soil Science, BSU, Azerbaijan

Members:

Mais Suleymanov Director of the Center for Organization of Scientific Activity and Innovations, BSU, Azerbaijan

Ibrahim Mammadov Head of the Department of Petrochemistry and Chemical Technology, Faculty of Chemistry, BSU, Azerbaijan

Rasim Alosmanov Head of the Department of Chemistry of High Molecular Compounds, Faculty of Chemistry, BSU, Azerbaijan

Taleh Gahramanov Deputy Dean for Social and Student Affairs, Faculty of Chemistry, BSU, Azerbaijan

Khalil Nagiyev Professor of the Department of Analytical Chemistry, Faculty of Chemistry, BSU, Azerbaijan

Ulviyya Hasanova Professor of the Department of Organic Chemistry, Faculty of Chemistry, BSU, Azerbaijan

Tarana Aliyeva Associate Professor of the Department of Ecological Chemistry, Faculty of Ecology and Soil Science, BSU, Azerbaijan

Kamran Mahmudov Leading researcher, Scientific Research Laboratory Ecological Chemistry and Environmental Protection, BSU, Azerbaijan

PROGRAM COMMITTEE

Chairman:

Famil Chiragov Head of the Department of Analytical Chemistry, Faculty of Chemistry, BSU, Azerbaijan

Members:

Husnu Kapu Rector of Kafkas University, Türkiye

Engin Kılıç Vice-rector for International Relations, Kafkas University, Türkiye

Dilgam Taghiyev General Director of the Institute of Catalysis and Inorganic Chemistry named after academician Murtuza Naghiyev, Azerbaijan

Fuad Aliyev Ganja branch of Azerbaijan National Academy of Sciences, Azerbaijan

Vagif Farzaliyev General Director of the Institute of Chemistry of Additives named after academician Ali Guliyev, Azerbaijan

Vagif Abbasov General Director of the Institute of Petrochemical Processes named after academician Yusif Mammadaliyev, Azerbaijan

Bakhtiyar Mammadov General Director of the Institute of Polymer Materials, Azerbaijan

Islam Mustafayev General Director of the Institute of Radiation Problems, Azerbaijan

Mahammad Babanli Executive Director of the Institute of Catalysis and Inorganic Chemistry named after academician Murtuza Naghiyev, Azerbaijan

Tofiq Aliyev General Director of the Institute of Natural Resources of the Nakhchivan branch of Azerbaijan National Academy of Sciences, Azerbaijan

Mehman Yusubov Director of the Institute of Chemical and Biomedical Technological Research of Tomsk State Polytechnic University, Russia

Abuzar Gafari Director of Special International Projects, University of Lahore, Pakistan

Arif Nazir Dean of the Faculty of Chemistry, University of Lahore, Pakistan

Sana Sabahat Dean of the Faculty of Chemistry, Islamabad COMSATS University, Pakistan

Stepan Kalmykov Dean of the Faculty of Chemistry, Moscow State University, Russia

Sana Abrar Manager of the Administration of the University of Lahore, Pakistan

Hacalı Necefoglu Head of the Foreign Relations Office of the Kafkas University, Türkiye

Valentin Nenaydenko Head of the Department of Organic Chemistry, Moscow State University, Russia

Maris Klavins Head of the Chair of Environmental Sciences, University of Latvia, Latvia

Bilgehyan Nas Head of the Chair of Environmental Engineering, Faculty of Engineering and Natural Sciences, Konya Technical University, Türkiye

Magda Davitashvili	Dean of the Faculty of Exact and Natural Sciences of Telavi State University, Georgia
Abel Maharramov	Head of the Chair of Organic Chemistry, Faculty of Chemistry, BSU, Azerbaijan
Eldar Ahmadov	Head of the Chair Chair of Physical and Colloid Chemistry, Faculty of Chemistry, BSU, Azerbaijan
Garib Mammadov	Head of the Chair of Soil Science, Faculty of Ecology and Soil Science, BSU, Azerbaijan
Teymur Ilyasli	Head of the Chair of General and Inorganic Chemistry, Faculty of Chemistry, BSU, Azerbaijan
Yasin Jafarov	Head of the Chair of Chemistry Teaching Methods, Faculty of Chemistry, BSU, Azerbaijan
Sabuhi Niftaliyev	Head of the Chair of Inorganic Chemistry and Chemical Technology, Voronezh State University of Engineering and Technology, Russia
Victor Khrustalev	Head of the Chair of Inorganic Chemistry, Peoples' Friendship University, Russia
Maya Chinchadze	Head of the Chair of Chemistry, Tbilisi Technical University, Georgia
Oksana Tananayko	Head of the Chair of Analytical Chemistry, Taras Shevchenko National University of Kiev, Ukraine
Vladimer Tsitsishvili	Head of the Chair of Chemistry and Chemical Technologies of the Georgian National Academy of Sciences, Georgia
Vahid Mammadov	Head of the Laboratory of Heterocyclic Compounds of the Institute of Organic and Physical Chemistry named after A.E.Arbutov of the Kazan Scientific Center of the Russian Academy of Sciences, Russia
Javid Safarov	Head of the laboratory of the Chair of Technical Thermodynamics, University of Rostock, Germany
Hesham İbrahim	Professor of Ayn Shams University, Egypt
Sadig Guliyev	Professor at the Chair of Research and Development Vestel Defense Inc., Türkiye
Fedor Zubkov	Professor of the Chair of Organic Chemistry, Peoples' Friendship University, Russia
Nazim Shamilov	Professor of the Chair of Ecological Chemistry, Faculty of Ecology and Soil Science, BSU, Azerbaijan
Mufit Bahadır	Professor of Environmental Chemistry and Waste Analysis, Braunschweig Technical University, Germany
Atash Gurbanov	Leading researcher of Scientific Research Laboratory of Fine Organic Synthesis, Faculty of Chemistry, BSU, Azerbaijan
Fureya Elif Ozurkkan	Associate Professor, Faculty of Chemical Engineering, Kafkas University, Türkiye
Mustafa Sertchelik	Associate Professor, Faculty of Chemical Engineering, Kafkas University, Türkiye

INTERNATIONAL CONFERENCE

MODERN PROBLEMS OF THEORETICAL AND EXPERIMENTAL CHEMISTRY

DEVOTED TO THE 90th ANNIVERSARY OF ACADEMICIAN RAFIGA ALIYEVA

SEPTEMBER 29-30, 2022

BAKU STATE UNIVERSITY | BAKU, AZERBAIJAN

September 29, Thursday

Opening Ceremony

Baku State University, Main Hall

[Link to session](#)

09:00 - 10:00	Registration
10:00 - 11:30	Opening Ceremony Group Photo
11:30 - 12:00	Coffee Break / Poster session I

Plenary session

Chairs: Ulviyya Hasanova (Azerbaijan), Bilgehan Nas (Türkiye)

Main Hall

[Link to session](#)

12:00 - 12:30	EVALUATION OF THE CRYSTAL STRUCTURES OF COBALT ARYL CARBOXYLATES COMPLEXES CONTAINING NICOTINAMIDE, ISONICOTINAMIDE, N,N'-DIETHYLNICOTINAMIDE Hacali Necefoglu <i>Kafkas University, Türkiye</i>
12:30 - 13:00	CATALYSIS FOR SUSTAINABLE TECHNOLOGIES AND ECONOMIC DEVELOPMENTS Sharif Muhammad <i>Islamic World Educational, Scientific and Cultural Organization (ICESCO)</i>
13:00 - 14:00	Lunch

Keynote speaker's session

Chairs: Kamran Mahmudov (Azerbaijan), Hacali Necefoglu (Türkiye)

Main Hall

[Link to session](#)

14:00 - 14:30	SUPRAMOLECULAR NANOENSEMBLES: PREPARATIONS AND APPLICATIONS Ulviyya Hasanova <i>Baku State University, Azerbaijan</i>
14:30 - 15:00	WASTEWATER TREATMENT, WATER REUSE APPLICATIONS AND CONTAMINANTS OF EMERGING CONCERN (CECs) IN TÜRKİYE Bilgehan Nas <i>Konya Technical University, Türkiye</i>

15:00 - 15:30	SYNTHESIS AND STRUCTURE OF COORDINATION COMPOUNDS OF d-METALS ON BASES OF TRIAZOLE, OXADIAZOLE AND TIADIAZOLE DERIVATIVES Shakhnoza Kadirova <i>National University of Uzbekistan, Uzbekistan</i>
15:30 - 16:00	Coffee Break / Poster session II

Parallel sessions I

Session I-1: Analytical Chemistry

Chairs: Polad Mammadov (Azerbaijan), Zuhra Yakhshieva (Uzbekistan)

Hall 1

[Link to session](#)

16:00 - 16:15	STUDY OF THE REACTION OF COMPLEX FORMATION OF Cu, Co AND Ni WITH AMINOPHENOLS Gulnar Huseynova, Chingiz Rasulov, Ali Zalov <i>Azerbaijan State Pedagogical University, Azerbaijan</i>
16:15 - 16:30	CONCENTRATION OF URANIUM(VI) WITH A CHELATE-FORMING SORBENT Fidan Bahmanova, Eldar Ahmadov <i>Baku State University, Azerbaijan</i>
16:30 - 16:45	ISOLATION, CHARACTERIZATION AND ANTI-CANCER POTENTIAL OF CITRUS PSEUDOLIMON ESSENTIAL OIL AGAINST HUMAN CANCER CELL LINES Arfaa Sajid, Qaisar Manzoor <i>University of Lahore, Pakistan</i>
16:45 - 17:00	EVALUATION OF THE CRYSTAL STRUCTURES OF COBALT ARYL CARBOXYLATES COMPLEXES CONTAINING NICOTINAMIDE, ISONICOTINAMIDE, N,N'-DIETHYLNICOTINAMIDE Hacali Necefoglu, Fureya Elif Ozturkkan <i>Kafkas Üniversitesi, Türkiye</i>
17:00 - 17:15	STUDY OF COMPLEXFORMATION OF PALLADIUM (II) IN THE PRESENCE OF CETYLPYRIDINECHLORIDE Ulviyya Abilova, Esmira Hashimova, Hamida Huseynova <i>Baku State University, Azerbaijan</i>
17:15 - 17:30	TETRA-THIOCYANATE COMPLEXES OF AETHAZOLUM Nani Zhorzholiani ¹ , Koba Amirkhanashvili ¹ , Lasha Khmaladze ² ¹ Tbilisi State University, Georgia ² University of Georgia, Georgia
17:30 - 17:45	ACTIVE BIOMONITORING OF AIR POLLUTION IN BAKU, THE CAPITAL OF AZERBAIJAN Sevinj Hajiyeva ¹ , Afag Madadzada ^{2,3} , Orkhan Hajiyev ¹ , Zarifa Valiyeva ¹ ¹ Baku State University, Azerbaijan ² Joint Institute for Nuclear Research, Russia ³ National Nuclear Research Centre, Azerbaijan
17:45 - 18:00	SORPTION-SPECTROPHOTOMETRIC DETERMINATION OF IRON MICROAMOUNTS IN NEEDLES Khalil Naghiyev, Arzu Abiyeva, Ulviyya Gularli, Arzu Mammadli <i>Baku State University, Azerbaijan</i>

18:00 - 18:15	EXTRACTION-SPECTROPHOTOMETRIC DETERMINATION OF COBALT(II) WITH 5-(3-BROMO-4-HYDROXY-5-METHOXIBENZYLIDENE)-THIAZOLIDIN-2,4-DIONE Naila Verdizada¹, Karim Guliyev¹, Konul Aliyeva¹, Soltan Aliyev² <i>¹Azerbaijan State Pedagogical University, Azerbaijan</i> <i>²Azerbaijan State Oil and Industry University, Azerbaijan</i>
18:15 - 18:30	SPECTROPHOTOMETRIC DETERMINATION OF COPPER(II) WITH 2,6-DITHIOL-4-ISOPROPYLPHENOL AND PHENANTHROLINE Karim Guliyev, Ali Zalov, Shafa Mammadova <i>Azerbaijan State Pedagogical University, Azerbaijan</i>
18:30 - 18:45	EXTRACTION OF CHROMIUM (III) FROM THIOLPHENOLATE SOLUTIONS INTO CHLOROFORM IN THE PRESENCE OF HYDROPHOBIC AMINES Ali Zalov¹, Naila Verdizada¹, Novrasta Hasanova² <i>¹Azerbaijan State Pedagogical University, Azerbaijan</i> <i>²Azerbaijan State Oil and Industry University, Azerbaijan</i>

Parallel sessions I

Session I-2: Ecological Chemistry and Environmental Protection

Chairs: Sevinj Hajiyeva (Azerbaijan), Bilgehan Nas (Türkiye)

Hall 2

[Link to session](#)

16:00 - 16:15	ENVIRONMENTAL CHEMISTRY: FROM ANALYSIS TO DEVELOPMENT OF ENVIRONMENTAL TECHNOLOGIES, SUPPORTING SUSTAINABLE DEVELOPMENT Maris Klavins <i>University of Latvia, Latvia</i>
16:15 - 16:30	MONITORING OF THE STATE OF SOCHI'S URBAN ECOSYSTEMS Viktorija Kunina, Oksana Belous <i>Federal Research Centre the Subtropical Scientific Centre of the Russian Academy of Sciences, Russia</i>
16:30 - 16:45	POLYCHLORINATED TERPHENYLS – SYNTHESIS, CHARACTERIZATION, OCCURRENCE, BEHAVIOR AND ANALYSIS IN ENVIRONMENTAL AND FIRE DEBRIS SAMPLES Müfit Bahadır <i>Technical University Braunschweig, Germany</i>
16:45 - 17:00	CONSEQUENCES OF AIR POLLUTION ON PUBLIC HEALTH IN AZERBAIJAN Mahluga Yusifova <i>Baku State University, Azerbaijan</i>
17:00 - 17:15	PETROLEUM GENERATING POTENTIAL OF CRETACEOUS SEQUENCES, INDUS BASIN, PAKISTAN Arif Nazir <i>University of Lahore, Pakistan</i>
17:15 - 17:30	SCIENTIFIC HERITAGE OF SCIENTIST AND ACADEMICIAN RAFIGA A. ALIYEVA Alla Mikhailova, Boris Zuev <i>Vernadsky Institute of Geochemistry and Analytical Chemistry of Russian Academy of Sciences, Russia</i>

17:30 - 17:45	<p>STUDYING THE POSSIBILITY OF EXTRACTING MINERALS FROM POOR ORE WASTE</p> <p>Aybaniz Guliyeva¹, Leyla Taghiyeva¹, Hijran Rafiyeva² ¹<i>Institute of Catalysis and Inorganic Chemistry named after academician Murtuza Naghiyev, Azerbaijan</i> ²<i>Baku State University, Azerbaijan</i></p>
17:45 - 18:00	<p>INVESTIGATION OF TiO₂ NANOPARTICLES</p> <p>Elmina Gadirova <i>Baku State University, Azerbaijan</i></p>
18:00 - 18:15	<p>ROLE OF COAGULANTS IN WASTEWATER TREATMENT FROM OIL REFINERY</p> <p>Sevinj Hajiyeva, Giyas Bayramov, Rajab Mammadov <i>Baku State University, Azerbaijan</i></p>
18:15 - 18:30	<p>ALTERATION REGULARITY OF HYDROCARBON GASES IN PLIOCENE-QUATERNARY SEDIMENTS OF MUGHAN MONOCLINE</p> <p>Parvana Mammadova, Durdana Alakbarova, Laman Mammadova <i>Institute of Geology and Geophysics, Azerbaijan</i></p>
18:30 - 18:45	<p>AN IMPECCABLE METHODOLOGY IN SCIENCE BASED ON A RELIABLE DATABASE AND BIOETHICS</p> <p>Mahira Amirova, Hafiz Osmanov <i>Azerbaijan Medical University, Azerbaijan</i></p>
18:45 - 19:00	<p>DETERMINATION OF ECOTOXICANTIC SUBSTANCES IN HARD WASTE CAUSED BY HYDROGEN PURIFICATION PROCESS OF PETROLEUM OILS</p> <p>Atlas Huseynli, Giyas Bayramov <i>Baku State University, Azerbaijan</i></p>

Parallel sessions I

Session I-3: Synthesis of Perspective Materials

Chairs: Ibrahim Mammadov (Azerbaijan), Hasan Secen (Türkiye)

Main Hall

[Link to session](#)

16:00 - 16:15	<p>RESEARCH OF HYDROCRACKING OF HEAVY OIL RESIDUES IN THE PRESENCE OF NATURAL HALLOYSITE</p> <p>Aisha Hasanova¹, Gulbaniz Mukhtarova² ¹<i>Ganja branch of Azerbaijan National Academy of Sciences, Azerbaijan</i> ²<i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i></p>
16:15 - 16:30	<p>SYNTHESIS OF SULFUR-CONTAINING MULTIFUNCTIONAL COMPOUNDS</p> <p>Parvin Mammadova, Hajar Behbudova, Zuleyxa Soltanova, Gulzar Mammadova, Konul Gahramanova, Boyukkhanim Aminova <i>Institute of Chemistry of Additives named after academician Ali Guliyev, Azerbaijan</i></p>
16:30 - 16:45	<p>STUDY OF PROTECTIVE PROPERTIES OF NITRATED COTTON OIL AS CONSERVATION LIQUID COMPONENT</p> <p>Vagif Abbasov, Elton Mammadov, Nasrin Dadashova, Saadat Suleymanova, Nigar Aliyeva <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i></p>

16:45 - 17:00	<p>DIOXYBUTYL-BORON-OXYMETHYLBUTYLXANTHOGENATE AS EXTREME PRESSURE ADDITIVE TO OILS</p> <p>Nelya Novotorzhina, Afsun Sujayev, Elnara Ismayilova, Gariba Gahramanova, Mehbara Safarova, Yegana Mustafayeva <i>Institute of Chemistry of Additives named after academician Ali Guliyev, Azerbaijan</i></p>
17:00 - 17:15	<p>STUDYING THE BACTERICIDAL PROPERTIES OF HEXYL BROMIDE COMPLEX OF AMIDE OF SUNFLOWER OIL ACID</p> <p>Vagif Abbasov, Durna Aghamaliyeva, Farida Gurbanova <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i></p>
17:15 - 17:30	<p>USE OF SYNTHESIZED COUMARINS IN APPLICATION AREAS</p> <p>Bahattin Yalchin <i>Marmara University, Türkiye</i></p>
17:30 - 17:45	<p>INVESTIGATION STRUCTURE OF EXPANDED PERLITE PHOSPHORUS-CONTAINING BUTADIENE RUBBER HYBRID COMPOSITE</p> <p>Nada Edres^{1,2}, Irada Buniyatzada¹, Sinan Mehmet Turp³, Rasim Alosmanov¹ ¹<i>Baku State University, Azerbaijan</i> ²<i>Khartoum University, Sudan</i> ³<i>Bitlis Eren University, Türkiye</i></p>
17:45 - 18:00	<p>CONSTRUCTION OF COPPER(II)-ARYLHYDRAZONATE COMPLEXES THROUGH AUXILIARY LIGAND ALTERATION: CATALYTIC ACTIVITY IN AZIDE-ALKYNE CYCLOADDITION REACTION</p> <p>Atash Gurbanov^{1,2}, Vusala Aliyeva², Kamran Mahmudov^{1,2}, Fátima Guedes da Silva², Armando Pombeiro² ¹<i>Baku State University, Azerbaijan</i> ²<i>Universidade de Lisboa, Portugal</i></p>
18:00 - 18:15	<p>CATALYTICAL DEGRADATION OF COOMASSIE BRILLIANT BLUE DYE BY HYDROGEN PEROXIDE USING IRON OXIDE NANOPARTICLES</p> <p>Flora Hajiyeva, Eltakin Abdullayeva, Abel Maharramov, Goncha Eyvazova <i>Baku State University, Azerbaijan</i></p>
18:15 - 18:30	<p>PREPARATION AND APPLICATION OF NOVEL ORGANOHYPERVALENT HALOGEN COMPOUNDS</p> <p>Mehman Yusubov <i>Tomsk Polytechnic University, Russia</i></p>
18:30 - 18:45	<p>FABRICATION OF CHITOSAN-GELATIN-POLYVINYL ALCOHOL MEMBRANE AS A MATRIX IN CURCUMIN DELIVERY</p> <p>Dure Najaf Iqbal <i>University of Lahore, Pakistan</i></p>
18:45 - 19:00	<p>EFFECT OF INTERSEGMENTAL HYDROGEN BONDING AND IONIC INTERACTION ON THE PROPERTIES OF ZWITTERION POLYURETHANE: A DFT STUDY</p> <p>Naveed Athir^{1,3}, Muhammad Imran², Sayyed Asim Ali Shah^{1,3}, Shi Ling³, Jue Cheng³, Junying Zhang³ ¹<i>University of Lahore, Pakistan</i> ²<i>Government College University Faisalabad, Pakistan</i> ³<i>Beijing University of Chemical Technology, China</i></p>

Parallel sessions I

Session I-4: Physical Chemistry and Inorganic Materials Science
Chairs: Rana Abbasova(Azerbaijan), Elmir Babayev (Azerbaijan)
Hall 3

[Link to session](#)

16:00 - 16:15	<p>PREPARATION AND APPLICATION OF BACTERICIDAL ZEOLITE ADSORBENT-ION-EXCHANGERS</p> <p>Vladimer Tsitsishvili, Nanuli Dolaberidze, Nato Mirdzveli, Manana Nijaradze <i>Tbilisi State University, Georgia</i></p>
16:15 - 16:30	<p>PREPARATION OF COMPOSITES – BIOSORBENTS BASED ON ZEOLITE FROM IMMOBILIZED CELLS OF MICROORGANISMS</p> <p>Zhadra Tattibayeva, Sagdat Tazhibayeva <i>Al-Farabi Kazakh National University, Kazakhstan</i></p>
16:30 - 16:45	<p>DETERMINATION OF INTERMOLECULAR INTERACTIONS OF NICOTINAMIDE COMPLEXES OF Ni(II) and Zn(II) 4-FLOROBENZOATS BY HIRSHFELD SURFACE ANALYSIS</p> <p>Mustafa Sertchelik, Hacali Necefoglu <i>Kafkas University, Türkiye</i></p>
16:45 - 17:00	<p>MODIFICATION OF AMINO FUNCTIONALIZED SILICA NANOPARTICLES WITH L-PROLINE AND FURANACRYLIC ACID AS A NOVEL COMPOSITE FOR THE EFFICIENT REMOVAL OF METHYL ORANGE</p> <p>Syed Salman Shafqat¹, Sadia Aslam², Sajjad Hussain Sumrra² ¹<i>University of Education, Pakistan</i> ²<i>University of Gujrat, Pakistan</i></p>
17:00 - 17:15	<p>METHANOL DEHYDROGENATION ON Co-, Pd- CONTAINING ALUMINOSILICATE-BASED CATALYSTS ACCORDING TO THERMAL ANALYSIS/MASS SPECTROMETRY DATA</p> <p>Shakhla Taghiyeva, Nushaba Aliyeva, Akif Guliyev <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i></p>
17:15 - 17:30	<p>IN SILICO INVESTIGATION OF THE EFFECTS OF CURCUMINOIDS ON THE SPIKE PROTEIN OF THE OMICRON VARIANT OF SARS COV-2</p> <p>Fureya Elif Ozturkkan¹, Giray Bugra Akbaba¹, Swah Mohd. Nashre-ul-Islam², Hacali Necefoglu¹ ¹<i>Kafkas University, Türkiye</i> ²<i>Cotton University, India</i></p>
17:30 - 17:45	<p>INVESTIGATION OF SOLID SOLUTIONS SECTION Bi₂Te₃In THE Ho-Bi-Te TRIPLE SYSTEMS</p> <p>Fuad Sadigov, Teymur Ilyasly, Narmin Mammadova <i>Baku State University, Azerbaijan</i></p>
17:45 - 18:00	<p>ISOPROPYLATION OF TOLUENE ON BIMETALLIC CATALYSTS BASED ON ZEOLITE ZSM-5 TYPE</p> <p>Nigar Abdullayeva¹, Sabit Mammadov¹, Leonid Voskresensky², Taleh Gahramanov¹, Eyyub Mammadov³ ¹<i>Baku State University, Azerbaijan</i> ²<i>Peoples' Friendship University of Russia, Russia</i> ³<i>Baku branch of Moscow State University, Azerbaijan</i></p>
18:00 - 18:15	<p>METHANOL INTO C₂-C₃ OLEFINS AND P-XYLENE CONVERSION OVER ZSM-5 TYPE ZEOLITES MODIFIED WITH RARE EARTH METALS</p> <p>Turana Babayeva, Sabit Mammadov, Fuad Karimli, Eldar Ahmadov <i>Baku State University, Azerbaijan</i></p>

18:15 - 18:30	SYNTHESIS AND CHARACTERIZATION OF SCHIFF BASES WITH DIFFERENT AMINO DERIVATIVES AND ITS METAL COMPLEXES Aysel Rahimova, Zakir Ismailov <i>Baku State University, Azerbaijan</i>
18:30 - 18:45	INVESTIGATION OF TERMOELECTRICAL PROPERTIES OF SOLID SOLUTIONS MELT OF $(\text{Bi}_2\text{Te}_3)_{1-x}(\text{Sm}_2\text{Te}_3)_x$ Kazim Aliyev, Aysel Rahimova, Zakir Ismailov <i>Baku State University, Azerbaijan</i>

September 30, Friday

Keynote speaker's session

Chairs: Ravan Rahimov (Azerbaijan), Shakhnoza Kadirova (Uzbekistan)

Main Hall

[Link to session](#)

09:00 - 09:30	BIOACTIVE GLASSES FOR TISSUE ENGINEERING AND OTHER BIOMEDICAL APPLICATIONS Sevil Yucel <i>Yildiz Technical University, Türkiye</i>
09:30 - 10:00	GRAPHITE-POLYMER COMPOSITES: DESIGN AND APPLICATION Rasim Alosmanov <i>Baku State University, Azerbaijan</i>
10:00 - 10:30	PLANT-PRODUCED VACCINES ARE HIGHLY EFFECTIVE AGAINST SARS-CoV-2, INDEPENDENTLY OF ITS EMERGING VARIANTS Tarlan Mammadov <i>Akdeniz University, Türkiye</i>
10:30 - 11:00	Coffee Break / Poster session III

Parallel sessions II

Session II-1: Analytical Chemistry

Chairs: Polad Mammadov (Azerbaijan), Abdullah Menzek (Türkiye)

Hall 1

[Link to session](#)

11:00 - 11:15	SPECTROPHOTOMETRIC STUDY OF NICKEL(II) COMPLEXATION WITH 1-(5-CHLORO-2-PYRIDYLAZO)-2-HYDROXY-4-MERCAPTOPHENOL AND AMINOPHENOLS Zohra Askerova, Ali Zalov <i>Azerbaijan State Pedagogical University, Azerbaijan</i>
11:15 - 11:30	SYNTHESIS OF NOVEL ORGANOSOLUBLE CHITOSAN DERIVATIVES: POTENTIAL BIOMATERIALS AS WOUND HEALING DRESSINGS Muhammad Rizwan <i>University of Lahore, Pakistan</i>
11:30 - 11:45	THERMAL CHARACTERISTICS OF A SORBENT BASED ON COVALENTLY IMMOBILIZED ZINC DITHIOCARBAMATE ON A POLYESTER MATRIX Khayit Turaev, Sherzod Kasimov <i>Termez State University, Uzbekistan</i>

11:45 - 12:00	SILVER(I) PRECONCENTRATION USING 1,4 BIS(2-PROPENYLPHENOXY) BUTANE CONTAINING SYNTHETIC SORBENT FROM AQUEOUS SOLUTIONS Narmin Afandiyeva, Gunay Mehdiyeva, Gulnara Hasanova <i>Baku State University, Azerbaijan</i>
12:00 - 12:15	SPECTROPHOTOMETRIC STUDY OF COMPLEX FORMATION IN THE SYSTEMS Me-Lid·HCl-NCS⁻ Nani Zhorzholiani¹, Koba Amirkhanashvili¹, Lasha Khmaladze² <i>¹Tbilisi State University, Georgia</i> <i>²University of Georgia, Georgia</i>
12:15 - 12:30	AMMONIUM NITRATE CONVERSION BY ELECTRODIALYSIS WITH FUMASEP FBM BIPOLAR MEMBRANES Olga Kozaderova, Xsenya Kim, Sabukhi Niftaliev <i>Voronezh State University of Engineering Technology, Russia</i>
12:30 - 12:45	ADSORPTION STUDY OF Fe (III) IONS WITH POLYMERIC MODIFIED ADSORBENT Esmira Eyyubova, Khalil Naghiyev, Nazakat Ahmadaliyeva <i>Baku State University, Azerbaijan</i>
12:45 - 13:00	SILICA THIN FILMS MODIFIED WITH ANALYTICAL REAGENTS IN VOLTAMETRIC METHODS OF ANALYSIS Oksana Tananaiko, Anastasiya Kornii, Vita Saska, Mark Kuznetsov <i>National Taras Shevchenko University of Kyiv, Ukraine</i>
13:00 - 14:00	Lunch

Parallel sessions II

Session II-2: Ecological chemistry and environmental protection

Chairs: Sevinj Hajiyeva (Azerbaijan), Natela Khetsuriani (Georgia)

Hall 2

[Link to session](#)

11:00 - 11:15	PROPERTIES OF ADSORPTION of Pb²⁺, Cd²⁺ and Ni²⁺ HEAVY METAL IONS FROM INDUSTRIAL WASTEWATER Fakhraddin Yusubov <i>Azerbaijan Technical University, Azerbaijan</i>
11:15 - 11:30	HYDROTHERMAL SYNTHESIS OF HIGH FUNCTIONAL NANOCOMPOSITE (TiO₂/WO₃/V₂O₅) FOR HAZARDOUS WASTE TREATMENT Younas Umer, Ali Faisal, Islam Aftab <i>University of Lahore, Pakistan</i>
11:30 - 11:45	AN IMPORTANT MOLECULE FOR LIFE: THE CELLULAR ENERGY SENSOR 'NAD⁺' Zeliha Selamoglu <i>Niğde Ömer Halisdemir University, Türkiye</i>
11:45 - 12:00	STUDY OF VERTICAL DISTRIBUTION OF HEAVY METALS IN THE BORDER-BOTTOM WATER IN THE AREA OF THE APSHERON PENINSULA Jamil Guliyev <i>Baku State University, Azerbaijan</i>
12:00 - 12:15	COMPARATIVE ANALYSIS OF NEW MONOMER AND GEMINI SURFACTANTS SYNTHESIZED ON THE BASIS OF DODECANOIC ACID AND ETHANE-1,2-DIAMINE DEPENDING ON THE MOLAR RATIO Ilhama Zarbaliyeva, Hajar Nabiyeva, Amina Alimova <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i>

12:15 - 12:30	APPLICATION OF BIMETALLIC NANOPARTICLES FOR DRAIN WATER REMEDIATION FROM AGRICULTURAL FIELDS Sevinj Hajiyeva, Luca Di Palma, Gunay Valiyeva <i>Baku State University, Azerbaijan</i>
12:30 - 12:45	STUDY OF ATMOSPHERIC POLLUTION WITH MOSS BIOINDICATORS IN AZERBAIJAN Shahla Nuhuyeva ¹ , Afag Madadzada ^{2,4} , Elshad Mammadov ³ , Marina Frontasyeva ² ¹ <i>Azerbaijan State Agricultural University, Azerbaijan</i> ² <i>Joint Institute for Nuclear Research, Russia</i> ³ <i>Azerbaijan University of Technology, Azerbaijan</i> ⁴ <i>Nuclear Research Centre, Azerbaijan</i>
12:45 - 13:00	SYNTHESIS AND PROPERTIES OF GEMINI SURFACTANTS BASED ON OCTADECYLAMINE AND DIBROMOALKANE (C₃, C₅) Ravan Rahimov, Zeynab Hashimzada, Gulnara Ahmadova, Gular Bayramova <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i>
13:00 - 14:00	Lunch

Parallel sessions II

Session II-3: Synthesis of Perspective Materials

Chairs: Rasim Alosmanov (Azerbaijan), Sevil Yucel (Türkiye)

Main Hall

[Link to session](#)

11:00 - 11:15	EVALUATION OF THE STRUCTURE RELATIONSHIP OF SOME DISULFIDES Fuad Aliyev, Sara Azizova <i>Ganja branch of Azerbaijan National Academy of Sciences, Azerbaijan</i>
11:15 - 11:30	DESIGN AND SYNTHESIS OF POTENT BIVALENT LIGANDS OF μ-OPIOID RECEPTOR AND MONOAMINE TRANSPORTERS Mehr-un-Nisa ¹ , Munawar Ali Munawar ² ¹ <i>University of the Punjab, Pakistan</i> ² <i>University of Lahore, Pakistan</i>
11:30 - 11:45	SYNTHESIS OF ENVIRONMENTALLY SAFE ADDITIVES CONTAINING CYCLOALKYLACETOPHENONE Gunay Haydarli, Chingiz Rasulov <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i>
11:45 - 12:00	POLYMERIC SORBENTS BASED ON POLYACRYLONITRILE AND POLYETHYLENEPOLYAMINE FOR SORPTION OF CHROMIUM (VI) IONS Dilbar Shakhidova, Farangiz Haknazarova, Dilfuza Gafurova <i>National University of Uzbekistan, Uzbekistan</i>
12:00 - 12:15	SYNTHESIS OF MONOALKYL (C₈-C₁₂)PHENOL-FORMALDEHYDE OLIGOMERS FUNCTIONALIZED WITH IMIDAZOLINES BASED ON PALM AND COTTON ORIGIN FATTY ACIDS Manzar Amiraslanova, Narmina Abdullayeva, Shahla Aliyeva, Parvana Isayeva, Saida Ahmadbayova, Rufat Rustamov, Fidan Mammadzada <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i>

12:15 - 12:30	ALLYL SUBSTITUTED 1,3-BENZOXAZINE DERIVATIVES AS CORROSION INHIBITORS OF STEEL AND BIOCIDES Gunay Mehdiyeva, Musa Bayramov <i>Baku State University, Azerbaijan</i>
12:30 - 12:45	SYNTHESIS AND INVESTIGATIONS OF NEW 3,5-DICHLOROSALICYLALDEHYDE BASED AZOMETHINES Samira Ismayilova^{1,2}, Alakbar Huseynzada^{1,2}, Mustafa Demiralp³, Ulviyya Hasanova^{1,2}, Niftali Yusubov¹, Valeh Ismayilov¹ <i>¹Baku State University, Azerbaijan</i> <i>²Scientific Research Institute "Geotechnological Problems of Oil, Gas and Chemistry", Azerbaijan</i> <i>³Advanced Technology Research and Application Center, Türkiye</i>
12:45 - 13:00	THE SYNTHESIS OF SUPERFICIALLY ACTIVE SUBSTANCES BY MICROORGANISMS Magda Davitashvili¹, Lamara Zuroshvili¹, Darejan Margalitashvili¹, Guguli Dumbadze² <i>¹Iakob Gogebashvili Telavi State University, Georgia</i> <i>²Batumi Shota Rustaveli State University, Georgia</i>
13:00 - 14:00	Lunch

Parallel sessions II

Session II-4: Physical Chemistry and Inorganic Materials Science, Methods of Teaching Chemistry

Chairs: Atash Gurbanov (Azerbaijan), Dursun Ali Kose (Türkiye)

Hall 3

[Link to session](#)

11:00 - 11:15	PSEUDO-DIELECTRIC FUNCTION, ATOMIC AND CHEMICAL COMPOSITION OF NEAR SURFACE GAAS SAMPLES IMPLANTED XE IONS Phan Luong Tuan^{1,2}, Mirsolaw Kulik^{1,3}, Tran Van Phuc^{1,6,7}, Afag Madadzada^{1,4}, Tatyana Yuryevna Zelenyak¹, Marcin Turek³, Jerzy Żuk³, Joanna Nowicka-Scheibe⁸, Aleksandr Doroshkevich^{1,5}, Le Hong Khiem^{6,7} <i>¹Joint Institute for Nuclear Research, Russia</i> <i>²Vietnam Atomic Energy Institute, Vietnam</i> <i>³Maria Curie-Skłodowska University, Poland</i> <i>⁴National Nuclear Research Centre, Azerbaijan</i> <i>⁵Donetsk Institute for Physics and Engineering named after O.O.Galkin, Ukraine</i> <i>⁶Institute of Physics, Vietnam Academy of Science and Technology, Vietnam</i> <i>⁷Graduate University for Science and Technology, Vietnam</i> <i>⁸West Pomeranian University of Technology Szczecin, Poland</i>
11:15 - 11:30	INVESTIGATION OF TmSe-As SYSTEMS Teymur Ilyasly, Gunel Gahramanova <i>Baku State University, Azerbaijan</i>
11:30 - 11:45	RESEARCHES ON THE SUBJECT OF MODERN TRAINING TECHNOLOGIES (ON CHEMICAL SCIENCES) Rahima Mammadova <i>Azerbaijan State Pedagogical University, Azerbaijan</i>
11:45 - 12:00	HIRSHFELD SURFACE ANALYSIS RESULTS OF INTERMOLECULAR INTERACTIONS OF DIETHYLNICOTINAMIDE COMPLEXES OF Cu(II) BENZOATES WITH DIFFERENT COORDINATION STRUCTURES Mustafa Sertchelik, Hacali Necefoglu <i>Kafkas University, Türkiye</i>

12:00 - 12:15	DIFFERENTIAL THERMAL ANALYSIS OF COBALT-CONTAINING NAX ZEOLITE CATALYST USED IN THE OXIDATION OF ETHANOL Asmar Valiyeva¹, Parviz Nadirov¹, Jabrail Mirzai² <i>¹Azerbaijan State Oil and Industry University, Azerbaijan</i> <i>²Baku State University, Azerbaijan</i>
12:15 - 12:30	INTERACTION IN THE AsS-ErAs₂S₄ SYSTEM Teymur Ilyasly, Dunya Hasanova <i>Baku State University, Azerbaijan</i>
12:30 - 12:45	MECHANISM OF THERMAL DECOMPOSITION OF FERROCENE DEPOSITED FROM A LIQUID ORGANIC PHASE ONTO OXIDE SURFACES Aygun Rustamova, Aysel Guluzade, Etibar Ismailov <i>Institute of Catalysis and Inorganic Chemistry named after academician Murtuza Naghiyev, Azerbaijan</i>
12:45 - 13:00	EDUCATIONAL MOBILE APPLICATIONS IN LEARNING OF ORGANIC REACTIONS MECHANISMS Aytan Asgarova, Yasin Jafarov <i>Baku State University, Azerbaijan</i>
13:00 - 14:00	Lunch

Keynote speaker's session

Chairs: Ravan Rahimov (Azerbaijan), Shakhnoza Kadirova (Uzbekistan)

Main Hall

[Link to session](#)

14:00 - 14:30	STUDYING OF SOME CONFORMATIONALLY MOBILE MOLECULES SOLUTION SYSTEMS Ibrahim Mammadov <i>Baku State University, Azerbaijan</i>
14:30 - 15:00	NEW STRATEGIES FOR TOTAL SYNTHESIS OF ALNUSTONE-LIKE LINEAR DIARYLHEPTANOIDS Hasan Secen <i>Ataturk University, Türkiye</i>
15:00 - 15:30	TETREL BONDING IN COORDINATION CHEMISTRY Kamran Mahmudov <i>Baku State University, Instituto Superior Técnico, Portugal</i>
15:30 - 16:00	Coffee Break / Poster session IV

Parallel sessions II

Session II-1: Analytical Chemistry

Chair: Polad Mammadov (Azerbaijan), Bahattin Yalchin (Türkiye)

Hall 1

[Link to session](#)

16:00 - 16:15	SPECTROPHOTOMETRIC DETERMINATION OF VANADIUM(V) WITH AZO DERIVATIVE OF B-DIKETONES IN THE PRESENCE OF THIRD COMPONENTS Maya Tsintsadze¹, Pasha Tsignadze¹, Vusala Mardanova² <i>¹Georgian Technical University, Georgia</i> <i>²Baku State University, Azerbaijan</i>
---------------	---

16:15 - 16:30	<p>DETERMINATION OF HEAVY METALS IN PLANTS BY ICP-AES DEVICE</p> <p>Chinara Zayidova <i>Azerbaijan State Oil and Industry University, Azerbaijan</i></p>
16:30 - 16:45	<p>STRUCTURAL ANALYSIS OF THE THIOUREA DERIVATIVES</p> <p>Tahir Cavadzada¹, Svetlana Demukhamedova², Gulnara Akverdieva², Afsun Sujayev³, Famil Chiragov¹ <i>¹Baku State University, Azerbaijan</i> <i>²Institute for Physical Problems Baku State University, Azerbaijan</i> <i>³Institute of Chemistry of Additives named after academician Ali Guliyev, Azerbaijan</i></p>
16:45 - 17:00	<p>RESEARCH OF DESORPTION OF ABSORBED METAL IONS (Cd²⁺) FROM POLYMER SORBENTS</p> <p>Nazila Huseynova, Sara Pashayeva, Shahana Guliyeva <i>Azerbaijan Medical University, Azerbaijan</i></p>
17:00 - 17:15	<p>PHYSICO-CHEMICAL INVESTIGATION OF POLYOXOMETALATE CATALYST BY IR SPECTROSCOPY METHOD</p> <p>Narmin Dadashova, Hafiz Alimardanov, Rana Jafarova, Ayaz Mammadov <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i></p>
17:15 - 17:30	<p>EXTRACTION-SPECTROPHOTOMETRIC DETERMINATION OF TITANIUM WITH 2,6-DITHIOL-4-ISOPROPYL PHENOL AND PHENANTHROLINE</p> <p>Karim Guliyev, Mahsati Mirzoyeva, Naiba Afandiyeva <i>Azerbaijan State Pedagogical University, Azerbaijan</i></p>
17:30 - 17:45	<p>HYDROCHEMICAL ANALYSIS OF WATER COMPOSITION OF AYDAR-ARNASAY LAKE SYSTEM</p> <p>Zukhra Yakhshieva¹, Yorqinoy Ahmadjonova², Zulaykho Smanova³ <i>¹Jizzakh State Pedagogical Institute, Uzbekistan,</i> <i>²Jizzakh Polytechnic Institute, Uzbekistan,</i> <i>³National University of Uzbekistan, Uzbekistan</i></p>
17:45 - 18:00	<p>SYNTHESIS AND PROPERTIES OF SILICATE SYSTEMS: SiO₂, Gd₂O₃ - SiO₂, Eu₂O₃ - SiO₂</p> <p>Irina Kuznetsova, Larisa Lygina, Xsenya Kim, Sabuhi Niftaliyev <i>Voronezh State University of Engineering Technology, Russia</i></p>
18:00 - 18:15	<p>SORPTION-SPECTROSCOPIC DETERMINATION OF CADMIUM IONS</p> <p>Zulaykho Smanova¹, Dilfuza Gafurova¹, Nazira Madusmanova², Gulyarkhan Makhmudova² <i>¹National University of Uzbekistan, Uzbekistan</i> <i>²Almalyk branch of Tashkent State Technical University, Uzbekistan</i></p>
18:15 - 18:30	<p>INVESTIGATION OF THE CYTOTOXIC EFFECTS OF WATER EXTRACTS OF TRIBULUS TERRESTRIS L.</p> <p>Giray Bugra Akbaba, Fureya Elif Ozturkkan <i>Kafkas University, Türkiye</i></p>
18:30 - 18:45	<p>CONTROLLING THE REACTION BETWEEN CO₂+NaOH BY pH, SPECIFIC CONDUCTIVITY (mS/cm) AND TITRIMETRIC METHODS</p> <p>Sadig Guliyev <i>LENTATEK Aerospace Aviation and Technology Inc, Turkiye</i></p>
18:45 - 19:00	<p>SYNTHESIS OF COBALT (II) (L1-DIPHENYLCARBAZONE AND L2- -DIMETHYLSULFOXIDE) COMPLEXES AND STUDY OF ITS PROPERTIES</p> <p>Aygun Safarli¹, Shahnaz Gahramanova¹, Tarana Asgarova¹, Taleh Gahramanov² <i>¹Institute of Catalysis and Inorganic Chemistry named after academician Murtuza Naghiyev, Azerbaijan</i> <i>²Baku State University, Azerbaijan</i></p>

Parallel sessions II

Session II-2: Ecological Chemistry and Environmental Protection

Chairs: Islam Mustafayev (Azerbaijan), Sevinj Hajiyeva (Azerbaijan)

Hall 2

[Link to session](#)

16:00 - 16:15	NITROGEN-CONTAINING COMPOUNDS IN SUPSA PETROLEUM OF GEORGIA Natela Khetsuriani, Elza Topuria, Irina Mchedlishvili, Madlena Chkhaidze <i>Petre Melikishvili Institute of Physical and Organic Chemistry, Georgia</i>
16:15 - 16:30	SYNTHESIS AND CHARACTERIZATION OF PECTIN BASED NANOPARTICLES FUNCTIONALIZED WITH BORIC ACID AND ESTIMATION OF THEIR DYE DEGRADATION POTENTIAL Faiza Hassan <i>University of Lahore, Pakistan</i>
16:30 - 16:45	STUDY OF NEW SURFACTANT BASED ON ALKYLAMINE AND PROPYLENE OXIDE Ilhama Zarbaliyeva, Sevda Zargarova, Amina Alimova, Hajar Nabiyeva, Ayaz Mammadov <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i>
16:45 - 17:00	BIOFUEL FROM GEORGIAN SECONDARY RAW MATERIALS Ketevan Ebralidze, Natela Khetsuriani, Elza Topuria, Irina Mchedlishvili, Kakha Karchkhadze <i>Petre Melikishvili Institute of Physical and Organic Chemistry, Georgia</i>
17:00 - 17:15	THERMAL PROPERTIES OF FATS EXTRACTED FROM MILK, WHITE, DARK CHOCOLATES AND CHOCOLATE POWDER BY DIFFERENTIAL SCANNING CALORIMETRY (DSC) TECHNIQUE Ewa Ostrowska-Ligeża¹, Maltam Shamilova-Jalilova² <i>¹Warsaw University of Life Sciences, Poland</i> <i>²Baku State University, Azerbaijan</i>
17:15 - 17:30	CARRYING OUT PRELIMINARY RESEARCH ON THE ECOLOGICAL ASSESSMENT OF THE ENVIRONMENTAL IMPACT OF BAKU STEEL SMELTER Naila Jafarova <i>Baku State University, Azerbaijan</i>
17:30 - 17:45	STUDY OF THE INFLUENCE OF Zr NANOPARTICLES ON THE ELEMENTAL CONTENT OF THE PLEUROTUS OSTREATUS Yulia Aleksiyenak¹, Nelya Doroshkevich², Marina Frontasyeva³, Viktor Doroshkevich², Olena Lygina⁴, Artem Shylo, Nadiya Pirko, Tatyana Zelenyak³, Aleksandr Doroshkevich² <i>¹Joint Institute for Nuclear Research, Belarus</i> <i>²Joint Institute for Nuclear Research, Ukraine</i> <i>³Joint Institute for Nuclear Research, Russia</i> <i>⁴Universidade Nova de Lisboa, Portugal</i>
17:45 - 18:00	ECOLOGICAL TERROR IN BASITCHAY STATE NATURE RESERVE Vusal Musayev, Sevda Ahmadova <i>Ganja State University, Azerbaijan</i>
18:00 - 18:15	EXTRACTION OF NITROGEN COMPOUNDS FROM MODEL FUEL BY DES Sayad Niftullayeva, Ibrahim Mammadov <i>Baku State University, Azerbaijan</i>
18:15 - 18:30	DETERMINATION OF HEAVY METALS IN WATER SAMPLES TAKEN FROM THE ARAZ RIVER PASSING THROUGH THE ORDUBAD AREA OF NAKHCIVAN Nazim Shamilov, Tarana Aliyeva, Madina Nabiyeva <i>Baku State University, Azerbaijan</i>

18:30 - 18:45	STUDY OF THE RESIN FRACTION OF OIL DRAWN FROM WATER Aytan Samadova <i>Baku State University, Azerbaijan</i>
---------------	---

Parallel sessions II

Session II-3: Synthesis of Perspective Materials Chair: Ofeliya Balayeva (Azerbaijan), Dilfuza Gafurova (Uzbekistan) Main Hall Link to session	
16:00 - 16:15	THE OXIDATION OF CYCLOHEXENE IN THE PRESENCE OF MOLIBDENE OXOBROMIDE DEPENDENCE ON pH VALUE Nemat Garibov, Farida Huseynova, Tahmina Valiyeva <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i>
16:15 - 16:30	SYNTHESIS AND INVESTIGATION OF NITRO-BENZOYL CHLORIDE-BASED AMIDE Fargana Alizada^{1,2}, Alakbar Huseynzada^{2,3}, Mustafa Demiralp⁴, Ulviyya Hasanova^{2,3}, Ulviyya Yolchuyeva¹, Vagif Abbasov¹ <i>¹Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i> <i>²Scientific Research Institute "Geotechnological Problems of Oil, Gas and Chemistry", Azerbaijan</i> <i>³Baku State University, Azerbaijan</i> <i>⁴Advanced Technology Research and Application Center, Türkiye</i>
16:30 - 16:45	SYNTHESIS OF A NOVEL CHROMENE-BASED SCHIFF BASE AND STUDY ITS BIOLOGICAL ACTIVITY Rana Ganbarova¹, Alakbar Huseynzada^{1,2}, Mustafa Demiralp³, Ulviyya Hasanova^{1,2} <i>¹Scientific Research Institute "Geotechnological Problems of Oil, Gas and Chemistry", Azerbaijan</i> <i>²Baku State University, Azerbaijan</i> <i>³Advanced Technology Research and Application Center, Türkiye</i>
16:45 - 17:00	SYNTHESIS OF ZnAl-LAYERED DOUBLE HYDROXIDE / POLYVINYL ALCOHOL FOR PHOTOCATALYTIC DEGRADATION OF PONCEAU 4R Ofeliya Balayeva¹, Abdulsaid Azizov¹, Rasim Alosmanov¹, Mustafa Muradov¹, Sima Zulfugarova², Mirheydar Abbasov², Faig Mammadov² <i>¹Baku State University, Azerbaijan</i> <i>²Institute of Catalysis and Inorganic Chemistry named after academician Murtuza Naghiyev, Azerbaijan</i>
17:00 - 17:15	SYNTHESIS OF NEW AZOMETHINE-BASED ENSEMBLE AND STUDY OF ITS BIOLOGICAL ACTIVITY Ruslan Guliyev^{1,2}, Alakbar Huseynzada^{1,2}, Mustafa Demiralp³, Ulviyya Hasanova^{1,2} <i>¹Baku State University, Azerbaijan</i> <i>²Scientific Research Institut "Geotechnological Problems of Oil, Gas and Chemistry", Azerbaijan</i> <i>³Advanced Technology Research and Application Center, Türkiye</i>
17:15 - 17:30	APPROACHES TOWARDS FIRST TOTAL SYNTHESIS OF ONOSMONE AND ANALOGUES Ramazan Kocak, Arif Dashtan, Abdullah Menzek <i>Ataturk University, Türkiye</i>

17:30 - 17:45	POLYMERIZATION OF BUTADIENE FROM PYROLYSIS' C₄ FRACTION USING NICKEL- AND COBALT-CONTAINING CATALYTIC DITHIOSYSTEMS Ilkin Akhundov, Zakir Taghizade, Gulara Hasanova, Rizvan Hadjiyev, Fizuli Nasirov <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i>
17:45 - 18:00	OBTAINING AND THE STUDY OF ANTIBACTERIAL COMPOSITE MATERIALS BASED ON POLYPROPYLENE AND CARBOXYPHENYLAMALEIMIDES Shahana Guliyeva ¹ , Aygun Alikhanova ² , Aynura Mammadova ² , Namig Rasulov ¹ , Eldar Garayev ¹ , Bakhtiyar Mammadov ² ¹ <i>Azerbaijan Medical University, Azerbaijan</i> ² <i>Institute of Polymer Materials, Azerbaijan</i>
18:00 - 18:15	ABSORPTION OF CO₂ FROM CONVERTED GAS IN AMMONIA PRODUCTION USING METHYLDIETHANOLAMINE Zakir Mammadov ¹ , Fuad Karimli ² , Shohrat Mirzayev ¹ , Laman Mammadova ² ¹ <i>Socar-carbamide plant, Azerbaijan</i> ² <i>Baku State University, Azerbaijan</i>
18:15 - 18:30	ANALYSIS OF THE REACTIVITY OF DICHLORODIAZADIENE DERIVATIVE C₁₄H₈Cl₂FN₃O₂ BASED ON QUANTUM CHEMICAL CALCULATIONS BY THE DFT METHOD Svetlana Demukhamedova, Irada Aliyeva, Abel Maharramov, Namig Shikhaliyev, Ulviyya Askerova <i>Baku State University</i>

Parallel sessions II

Session II-4: Physical Chemistry and Inorganic Materials Science, Methods of Teaching Chemistry Chair: Atash Gurbanov (Azerbaijan), Dursun Ali Kose (Türkiye) Hall 3 Link to session	
16:00 - 16:15	BORON ESTER COMPOUNDS WITH BIOLOGICAL LIGANDS AS DIARY SUPPLEMENTS Melda Bolat, Dursun Ali Kose <i>Hitit University, Türkiye</i>
16:15 - 16:30	SYNTHESIS OF Co-Cu-Fe OXIDE COMPOSITIONS BY SOL-GEL AUTOCOMBUSTION METHOD Gunel Azimova, Zuleykha Alasgarova <i>Institute of Catalysis and Inorganic Chemistry named after academician Murtuza Naghiyev, Azerbaijan</i>
16:30 - 16:45	MORPHOLOGY AND DISTRIBUTION OF ACTIVE ELEMENTS IN MnNaW/SiO₂ CATALYSTS FOR OXIDATIVE CONVERSION OF METHANE Sevinj Osmanova ¹ , Gunel Azimova ¹ , Sima Zulfugarova ¹ , Nazim Sadigov ² , Mahommedaly Abdullayev ² , Dilgam Taghiyev ¹ , Etibar Ismailov ¹ , Joris Thybaut ³ ¹ <i>Institute of Catalysis and Inorganic Chemistry named after academician Murtuza Naghiyev, Azerbaijan</i> ² <i>Institute of Geology and Geophysics, Azerbaijan</i> ³ <i>Ghent University, Belgium</i>
16:45 - 17:00	EDUCATIONAL INNOVATIONS OF THE CHEMICAL DEPARTMENT OF MOSCOW STATEUNIVERSITY IN THE HISTORY OF CHEMISTRY TEACHING Elena Baum <i>Moscow State University, Russia</i>

17:00 - 17:15	<p>THE INFLUENCE OF THE CUBIC AND ORTHORROMBIC STRUCTURE OF ABO₃ ON THE DEGREE OF CONVERSION OF PROPANE</p> <p>Ekaterina Markova, Alexander Cherednichenko, Aleksandra Tarbeeva, Ksenia Seromlyanova, Artem Kurochkin, Svetlana Kovtun, Varvara Udalaya Peoples' Friendship University of Russia (RUDN University), Russia</p>
17:15 - 17:30	<p>ELECTRODEPOSITION OF Fe-S ALLOY</p> <p>Kamala Hajiyeva, Yilmaz Alizada Institute of Catalysis and Inorganic Chemistry named after academician Murtuza Naghiyev, Azerbaijan</p>
17:30 - 17:45	<p>A STUDY KINETIC MODEL OF CLINOPTILOLITE MODIFIED WITH METAL CATIONS OVER CYCLOPENTANE, METHYLCYCLOPENTANE, LOWER OLEFINS, PARAFFINS AND 4-METHYLCYCLOHEXANOL</p> <p>Mahir Abbasov Institute of Catalysis and Inorganic Chemistry named after academician Murtuza Naghiyev, Azerbaijan</p>
17:45 - 18:00	<p>SYNTHESIS AND STRUCTURE OF COORDINATION COMPOUNDS OF d-METALS ON BASES OF TRIAZOLE, OXADIAZOLE AND TIADIAZOLE DERIVATIVES</p> <p>Shakhnoza Kadirova, Batirbay Torambetov, Surayyo Razzoqova, Giyosiddin Khayrullaev National University of Uzbekistan, Uzbekistan</p>
18:00 - 18:15	<p>OPTICAL PROPERTIES OF SEMICONDUCTOR QUANTUM DOTS OF THE CORE/SHELL TYPE PRODUCED IN AQUEOUS MEDIUM</p> <p>Sagila Novikova, Pavel Nasirov, Elena Gribova, Irina Mukhina, Pavel Gladyshev Dubna State University, Russia</p>
18:15 - 18:30	<p><i>In Silico</i> INVESTIGATION OF THE INTERACTIONS OF COBALT(II) 2- AND 4-CHLOROBENZOATE WITH NICOTINAMIDE COMPLEX WITH BOVINE SERUM ALBUMIN (BSA)</p> <p>Fureya Elif Ozturkkan, Giray Bugra Akbaba, Hacali Necefoglu Kafkas University, Türkiye</p>
18:30 - 18:45	<p>USE OF EMPIRICAL METHODS IN CHEMISTRY TEACHING AND LEARNING</p> <p>Jamila Guluzada Baku State University, Azerbaijan</p>
18:45 - 19:00	<p>INNOVATIVE AND INTERACTIVE TRAINING TECHNIQUES</p> <p>Arzu Pashayeva, Jamila Mirzayeva, Elnara Zamanli, Jafarov Yasin Baku State University, Azerbaijan</p>

Poster session I
September 29, 11:30 - 12:00

1	A NEW CHIRAL ADSORBENT BASED ON ENANTHIOMORPHIC CRYSTALS OF HIPURIC ACID PRODUCED BY THE VIEDMA MATURATION METHOD IN THE TEMPERATURE GRADIENT MODE Gulchachak Akhatova <i>Bashkir State University, Russia</i>
2	STUDIES OF THE PRECONCENTRATION OF THORIUM WITH CHELATE-FORMING SORBENTS Fidan Bahmanova <i>Baku State University, Azerbaijan</i>
3	SEPARATION OF PHYSIOLOGICALLY ACTIVE AMINES INTO OPTICAL ISOMERS Parvana Huseynova <i>Ganja State University, Azerbaijan</i>
4	VARIOUS COMPLEXES OF PYROGALLOL-BASED AZOCOMPOUNDS WITH SOME METALS AND THEIR ANALYTICAL APPLICATION Khalil Naghiyev <i>Baku State University, Azerbaijan</i>
5	VOLTAMMETRIC ENANTIOSELECTIVE SENSOR BASED ON BETULINIC ACID FOR DETERMINATION OF NAPROXEN ENANTIOMERS Yulia Teres, Rufina Zilberg, Ivan Vakulin, Elena Bulysheva <i>Bashkir State University, Russia</i>
6	CHIRAL SELECTORS IN VOLTAMMETRIC SENSORS BASED ON THE MIXED-LIGAND PHENYL-CONTAINING TRANSITION METAL COMPLEXES Rufina Zilberg, Yulia Teres, Elena Bulysheva <i>Bashkir State University, Russia</i>
7	THEORETICAL METHODOLOGY FOR EVALUATING THE EFFECTIVENESS OF A CHIRAL MODIFIER BASED ON THE DIFFERENCE BETWEEN THE $E_{RED/OX}$ OF ITS ENANTIOMERS Ilnar Galimov, Rufina Zilberg, Ivan Vakulin <i>Bashkir State University, Russia</i>
8	FEATURES OF METHODS FOR EVALUATING THE EFFECTIVENESS OF A MODIFIER BASED ON THE DIFFERENCE BETWEEN THE $E_{RED/OX}$ OF ITS ENANTIOMERS Ilnar Galimov, Rufina Zilberg, Ivan Vakulin <i>Bashkir State University, Russia</i>
9	NANOCOMPOSITE THIN-FILM STRUCTURES BASED ON POLYARYLENEPHTHALIDE DOPAGED WITH SINGLE-WALL CARBON NANOTUBES AND GRAPHENE OXIDE Elena Bulysheva, Yulia Teres, Rufina Zilberg <i>Bashkir State University, Russia</i>
10	PASTE ELECTRODE BASED ON CARBOBLACK C MODIFIED BY A COBALT COMPLEX WITH CHIRAL LIGANDS FOR THE RECOGNITION AND DETERMINATION OF ENANTIOMERS OF BIOLOGICALLY ACTIVE SUBSTANCES Anna Seluyanova, Rufina Zilberg <i>Bashkir State University, Russia</i>

11 **SORPTION OF CERIUM (III) IONS BY POLYMER CHELATING AGENTS**

Aygun Aliyeva, Fatali Huseynov, Nazim Shamilov, Eldar Ahmadov
Baku State University, Azerbaijan

12 **NEW METHODS AND TECHNIQUES FOR DETECTING CHEMICAL MARKERS IN SKIN SECRETION**

Tatyana Kuchmenko^{1,2}, Daria Menzhulina³

¹*Voronezh State university of Engineering Technology, Russia*

²*Vernadsky Institute of Geochemistry and Analytical Chemistry of Russian Academy of Sciences, Russia*

³*Voronezh State Medical University named after N.N. Burdenko, Russia*

13 **THE USE OF AN "ELECTRONIC NOSE" TO MONITOR THE DEVELOPMENT OF THE PLAQUE MICROBIOTA BEFORE AND AFTER ORTHODONTIC INTERVENTION**

Tatiana Kuchmenko¹, RuslanUmarkhanov¹, Yuri Hippolytov², Maher Sorayman²

¹*Voronezh State University of Engineering Technologies, Russia*

²*Voronezh State Medical University N.N.Burdenko, Russia*

14 **DEVELOPMENT OF AN EXTRACTION-SPECTRAL METHOD FOR DETERMINING UREA IN FORMATION WATER DURING GEOPHYSICAL SURVEYS**

Irina Mukhina, Elena Gribova

Dubna State University, Russia

15 **DETERMINATION OF MICROQUANTITIES OF COBALT(II) WITH 1-PHENYL-2,3-DIMETHYLPYRAZOLONE-5-AZOPYROGALLOL AND HYDROPHOBIC AMINES**

Aydan Nasibli, Khalil Naghiyev, Minaya Mammadova, Lala Nasibova

Baku State University, Azerbaijan

16 **DETERMINATION OF CADMIUM ION IN THE INTERNAL ORGANS OF ANIMALS**

Fargana Aliyeva

Baku State University, Azerbaijan

17 **SPECTROPHOTOMETRIC STUDY OF CHROME (VI) 2-HYDROXY-5-BROMTIOPHENOL AND HYDROPHOB AMINE COMPLEXES**

Naila Verdizada¹, Novrasta Hasanova², Soltan Aliyev²

¹*Azerbaijan State Pedagogical University, Azerbaijan*

²*Azerbaijan State Oil and Industry University, Azerbaijan*

18 **EFFECT OF CATIONIC SURFACTANTS ON THE COMPLEXATION OF MOLYBDENUM (VI) WITH 2,3,4-TRIHYDROXYPHENYL-5`-SULFONAPHTHALENE**

Kamala Abdullayeva¹, Jabrail Mirzai²

¹*Azerbaijan State Oil and Industry University, Azerbaijan*

²*Baku State University, Azerbaijan*

19 **DEVELOPMENT OF AN IMAGING TEST SYSTEM FOR EXTRA-LABORATORY MONITORING OF INFLAMMATION IN COWS**

Tatiana Kuchmenko^{1,2}, Dmitrii Vandyshev³, Vladimir Skorikov⁴, Yana Shmoylova³

¹*Voronezh State University of Engineering Technology, Russia*

²*Vernadsky Institute of Geochemistry and Analytical Chemistry of Russian Academy of Sciences, Russia*

³*Voronezh State University, Russia*

⁴*All-Russian Scientific Research Veterinary Institute of Pathology, Pharmacology and Therapy, Russia*

20	<p>SORPTION OF VANADIUM ION (V) BY A SORBENT BASED ON A COPOLYMER OF MALEIC ANHYDRIDE AND METHACRYLIC ACID, STUDY OF THE SORBENT AND COMPLEX BY INFRARED SPECTROSCOPY</p> <p>Mushkinaz Hasanova¹, Fidan Bahmanova², Gulshan Mugalova² ¹<i>Azerbaijan State Oil and Industry University, Azerbaijan</i> ²<i>Baku State University, Azerbaijan</i></p>
21	<p>EXTRACTION OF COBALT FROM COBALT ORES OF DASHKESAN DEPOSITS BY EXTRACTION METHOD</p> <p>Naila Yusifova, Aydin Pashadjanov <i>Institute of Catalysis and Inorganic Chemistry named after academician Murtuza Naghiyev, Azerbaijan</i></p>
22	<p>ANALYSIS OF SOME IONS IN WATER (ISP-OES) IN OPTICAL EMISSION SPECTROMETRIC METHOD</p> <p>Yorqinoy Ahmadjonova, Zulayho Smanova, Zukhra Yakhshieva ¹<i>Jizzakh Polytechnic Institute, Uzbekistan</i> ²<i>National University of Uzbekistan, Uzbekistan</i> ³<i>Jizzakh State Pedagogical Institute, Uzbekistan</i></p>
23	<p>NEW SIMPLE SPECTROPHOTOMETRIC METHOD FOR THE DETERMINATION OF TRACE LEVEL COPPER (II) USING 1-[2-(ALLYLAMINO)-1-METHYLETHYL] THIOUREA IN PRESENCE OF HYDROFOB AMINES</p> <p>Tahir Cavadzada¹, Polad Mammadov¹, Afsun Sujayev², Fagana Khalilova¹ ¹<i>Baku State University, Azerbaijan</i> ²<i>Institute of Chemistry of Additives named after academician Ali Guliyev, Azerbaijan</i></p>
24	<p>SYNTHESIS, STRUCTURE, AND PROPERTIES OF NEW NI(II) COMPLEX COMPOUNDS WITH AZO DERIVATIVES OF β-DIKETONES</p> <p>Shahla Tahirli¹, Fargana Aliyeva¹, Gulnara Hakverdiyeva², Svetlana Demikhanova¹, Azar Amirov², Kanan Agayev¹, Famil Chiragov¹ ¹<i>Baku State University, Azerbaijan</i> ²<i>Institute of Geology and Geophysics, Azerbaijan</i></p>
25	<p>INFLUENCE OF COMPLEXES OF BIOGENIC METALS AND IRON OXIDE NANOPARTICLES ON THE PHYSIOLOGICAL AND BIOCHEMICAL PROPERTIES OF WHEAT SEEDS</p> <p>Aygun Safarli¹, Dilgam Tagiyev¹, Shahnaz Gahramanova¹, Ibrahim Azizov² ¹<i>Institute of Catalysis and Inorganic Chemistry named after academician Murtuza Naghiyev, Azerbaijan</i> ²<i>Institute of Molecular Biology and Biotechnologies, Azerbaijan</i></p>
26	<p>NUCLEAR AND ANALYTICAL TECHNIQUES APPLIED IN ENVIRONMENTAL</p> <p>Afag Madadzada^{1,2}, Shahla Nuhuyeva³, Elshad Mammadov⁴, Marina Frontasyeva¹ ¹<i>Joint Institute for Nuclear Research, Russia</i> ²<i>Azerbaijan National Nuclear Research Centre, Azerbaijan</i> ³<i>Azerbaijan State Agricultural University, Azerbaijan</i> ⁴<i>Azerbaijan University of Technology, Azerbaijan</i></p>
27	<p>SPECTROPHOTOMETRIC INVESTIGATION OF COMPLEXFORMATION OF IRON(III) WITH 2-(((1-(3-BROMOPHENYL)ETHYL)HYDRAZONE)METHYL)PHENOL IN THE PRESENCE OF 4-AMINOANTIPYRINE</p> <p>Chinara Mammadova, Fargana Aliyeva, Nazrin Jabrayilova <i>Baku State University, Azerbaijan</i></p>

28	CATALYTIC POTENTIAL OF UV LIGHT MEDIATED GREEN SYNTHESIS OF SILVER NANOWIRES (Ag-NWs)
	Faisal Ali, Ghulam Mooinuddin, Umer Younas <i>University of Lahore, Pakistan</i>
29	STUDY OF THE STRUCTURE OF [Ni(TSK)₂](NO₃)₂ AND [Ni(TSK)₂](QAH)₂ COMPLEX COMPOUNDS USING HIRSHFELD SURFACE ANALYSIS
	Oydiyoy Umirzokova, Mushtari Alieva, Bahodir Jovliev, Guzal Nuralieva <i>National University of Uzbekistan named after Mirzo Ulugbek, Uzbekistan</i>
30	ON THE BASIS OF α-CHLORMETYLPROPARGIL(ALLYL)ETHER SYNTHESIS OF PERSPECTIVE SUBSTANCES
	Gulahmad Talybov <i>Azerbaijan Technical University, Azerbaijan</i>
31	STUDY OF AMIDOMINE AND THEIR COMPOSITES AS BITUM ADDITIONS SYNTHESIZED ON THE BASIS OF HEXAMETYLENDIAM AND COTTON OIL ACID
	Elgun Hasanov, Rashad Akhakhishiyev, Samir Khalilov, Vugar Gasimov, Tahmina Ahmadova, Lala Gasimova, Vusala Guliyeva <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i>
32	ADSORPTION OF WATER BY CHITOSAN-SILICA BIONANOCOMPOSITIONS
	Akhror Yarkulov, Bakhrom Umarov, Eldor Abdurakhmonov, Feruza Rakhmatkarieva, Khamdam Akbarov <i>National University of Uzbekistan named after Mirzo Ulugbek, Uzbekistan</i>
33	RESEARCH OF AMIDO AMINES, VARIOUS METAL SALTS, AND COMPONENTS OF CONSERVATIVE LIQUIDS BASED ON THE COMPOSITION OF NITRO COMPOUNDS
	Vagif Abbasov, Elgun Hasanov, Sanan Alizada, Aydan Kangarli, Vugar Gasimov, Mehriban Shashkayeva, Fakhraddin Mammadov <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i>
34	INVESTIGATION OF THE CIRCULAR DICHROISM SPECTRA OF BINUCLEAR TETRA-μ-MANDALATE Mo₂⁴⁺ COMPLEXES
	Eldar Akhmadov, Konul Huseyngulieva, Saida Akberova <i>Azerbaijan Medical University, Azerbaijan</i>
35	INFRARED AND RAMAN SPECTRA OF COMPLEXES Mo₂(O₂CH)₄L₂ (L=DIMETHYLFORMAMIDE)
	Eldar Akhmadov, Konul Huseyngulieva, Saida Akberova <i>Azerbaijan Medical University, Azerbaijan</i>
36	PHYSICOCHEMICAL PROPERTIES OF TIGaTe₂ AND TIInTe₂SOLID SOLUTIONS DOPED WITH THE Te ATOM
	Rakhim Madatov¹, Kamala Khalilova², Gunay Isgandarova² ¹ <i>Institute of Radiation Problems, Azerbaijan</i> ² <i>Institute of Physics, Azerbaijan</i>
37	PECULIARITIES OF THERMAL DECOMPOSITION OF COBALTOCENE DEPOSITED ON MORDENITE
	Afat Sardarli, Tamilla Abbasova, Fizuza Pashayeva, Rovshan Muradxanov, Sabina Aghayeva <i>Institute of Catalysis and Inorganic Chemistry named after academician Murtuza Naghiyev, Azerbaijan</i>

38 INTERSTITIAL SOLID SOLUTIONS FORMED IN THE TlInTe₂-Bi SYSTEM

Kamala Khalilova

Institute of Physics, Azerbaijan

39 **SYNTHESIS AND CRYSTAL STRUCTURE OF THE MANGANESE(II) CHLORIDE COMPLEX WITH 2-AMINO-OXAZOLE**

Surayyo Razzoqova, Batirbay Torambetov, Guloy Alieva, Dilnoza Rakhmonova, Shakhnoza Kadirova
National University of Uzbekistan, Uzbekistan

40 **CRYSTAL STRUCTURE OF THE COMPLEX OF Cd(II) ACETATE WITH 2-AMINO-1-METHYLBENZIMIDAZOLE**

Dilnoza Rakhmonova¹, Zuxhra Kadirova¹, Zuxhra Yakhshieva², Batirbay Torambetov¹, Ekaterina Kinshakova¹, Shakhnoza Kadirova¹

¹*National University of Uzbekistan, Uzbekistan*

²*Jizzakh State Pedagogical Institute, Uzbekistan*

41 **SYNTHESIS OF CHITOSAN COMPLEX APIS MELLIFERA WITH SILVER AND THE STUDY OF THEIR PHYSICO-CHEMICAL PROPERTIES**

Gulnora Ikhtiyarova, Nargiz Kholturaeva, Muqaddas Alieva

Tashkent State Technical University, Uzbekistan

42 **DEVELOPMENT OF VANADIUM OXIDE-BASED CATALYTIC SYSTEMS AND STUDY OF OXIDIZING DEHYDREGENIZATION**

Afat Sardarli, Tamilla Abbasova, Firuza Pashayeva, Rovshan Muradkhanov, Sabina Aghayeva, Raksana Aghayeva

Institute of Catalysis and Inorganic Chemistry named after academician Murtuza Naghiyev, Azerbaijan

43 **Re(V) COMPLEXES WITH PHTHALOCYANINE**

Minira Aghahusenova, Fidan Gudratova

Azerbaijan State Oil and Industry University, Azerbaijan

44 **INHIBITORS BASED ON N, P - CONTAINING COMPOUNDS AND INVESTIGATION OF THEIR INHIBITION MECHANISM**

Nodira Eshmamatova, Batirbay Torambetov, Zuxhra Alieva, Malika Karimova, Shohista Valiyeva

National University of Uzbekistan, Uzbekistan

45 **A FIVE-COORDINATE COMPLEX OF COPPER CHLORIDE WITH 2-AMINO-5-ETHYLTHIO-1,3,4-THIADIAZOLE**

Batirbay Torambetov, Aziz Atashov, Gulmira Uzakhbergenova, Iqbola Bahromova, Shakhnoza Kadirova

National University of Uzbekistan, Uzbekistan

46 **STATE OF WATER IN NATURAL ZEOLITES OF DIFFERENT STRUCTURES FROM IR ABSORPTION SPECTRA**

Jabrail Mirzai

Baku State University, Azerbaijan

Poster session II
September 29, 15:30 - 16:00

1	<p>PRODUCTION OF ESSENTIAL OIL FROM JUNIPER PLANT AND RESEARCH BY PHYSICAL-CHEMICAL METHODS</p> <p>Aisha Hasanova, Aynura Rahimova <i>Ganja branch of Azerbaijan National Academy of Sciences, Azerbaijan</i></p>
2	<p>MODERN PROBLEMS OF THE OZONE LAYER IN THE ATMOSPHERE</p> <p>Saida Mammadova, Islam Mustafayev <i>Institute of Radiation Problems, Azerbaijan</i></p>
3	<p>PREPARATION AND TESTING OF CONSERVATION LUBRICANTS BASED ON LIQUID RUBBER, TNT NITROGENED DERIVATIVES AND DIFFERENT COMPOSITION NITROBILES</p> <p>Yegana Aghazada, Rufana Alizada, Gultakin Guliyeva, Rahima Farhadova, Ulviyya Abbasova, Gulnar Valiyeva <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i></p>
4	<p>APPLICATION OF ETHYLENDIAMINTETASARIC ACID BUTYLAMINE AND AMIDINE NA AND K SALTS AS BIOSIDES</p> <p>Teyyub Ismayilov, Sevinj Suleymanova, Parvana Movsumova, Ulviyya Abbasova, Farida Tahirova <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i></p>
5	<p>PROPERTIES OF HUMIC SUBSTANCES AND THEIR APPLICATION POSSIBILITIES</p> <p>Maris Klavins <i>University of Latvia, Latvia</i></p>
6	<p>HEAVY METALS IN GUMYATAG LAKE</p> <p>Turana Goyushova <i>Baku State University, Azerbaijan</i></p>
7	<p>DETERMINATION OF RADIOACTIVITY IN THE VOLCANIC MUD OF THE SHAMAKHI REGION</p> <p>Narmina Shakhnazarova <i>Azerbaijan State Oil and Industry University, Azerbaijan</i></p>
8	<p>POLLUTION LEVEL OF THE CASPIAN SEA</p> <p>Elmina Gadirova¹, Aynur Mammadova² ¹<i>Baku State University, Azerbaijan</i> ²<i>Ganja State University, Azerbaijan</i></p>
9	<p>THE CHEMICAL ANALYSIS OF A WATER SAMPLE TAKEN FROM LAKE GUMYATAG</p> <p>Turana Goyushova <i>Baku State University, Azerbaijan</i></p>
10	<p>PURIFICATION OF PHENOL WITH TiO₂NANOPARTICLES</p> <p>Elmina Gadirova <i>Baku State University, Azerbaijan</i></p>
11	<p>SYNTHESIS OF N₁, N₃-DI (N₁['], N₁[']-DIDESOXYMETHYLAZON-N'-MONODESOXYMETHYLAZONE) DIPHENYLQUANIDE AND RESEARCH AS A CORROSION INHIBITOR</p> <p>Giyas Bayramov <i>Baku State University, Azerbaijan</i></p>

12 **ECONOMIC EFFICIENCY OF GREEN TECHNOLOGY IN LAND REHABILITATION**

Rahila Ahmadova, Tunzala Babayeva, Nargiz Ashurova
Sumgait State University, Azerbaijan

13 **ANTIOXIDANT SUPPLEMENTATION IN THE TREATMENT OF ECOTOXICANT-INDUCED ANXIETY IN RATS WITH DIFFERENT ACOUSTIC STRESS RESPONSES**

Khadija Ismailova
Institute of Physiology named after academician Abdulla Garayev, Azerbaijan

14 **ALTERNATIVE METHOD OF SULFUR REDUCTION IN THE GASOLINE OF CATALYTIC CRACKING OF BAKU LOW-SULFUR OIL**

Zaira Gasimova, Nazila Afandiyeva, Tamara Bashirova, Rukhsara Huseynova
Institute of Petrochemical Processes named after academician Yusif Mammadaliyev

15 **PROCESSING OF THE ORGANIC PART OF THE OIL-SATURATED LAND OF AZERBAIJAN**

Sevinj Logmanova, Nargiz Gafarova
Institute of Petrochemical Processes named after academician Yusif Mammadaliyev

16 **PRODUCTION OF ENVIRONMENTALLY SAFETY GASOLINE WITH OXYGENATES ON THE EXISTING BASE**

Mansura Javadova, Ilhama Khudieva, Olga Urban, Sabina Eldarova, Fidan Azizova
Institute of Petrochemical Processes named after academician Yusif Mammadaliyev

17 **PURIFICATION OF A MIXTURE OF OIL SLUDGE WASTE (MOSW) BY CHEMICAL METHOD**

Tahmina Osmanova
Baku State University, Azerbaijan

18 **THE ECOLOGICAL PROFILE OF COCOA, CHOCOLATE, AND SUGAR CONFECTIONERIES IN AZERBAIJAN**

Sevinj Hajiyeva, Maltam Shamilova-Jalilova
Baku State University, Azerbaijan

19 **RESEARCH OF BIOSIDES IN LIQUID OILS AS ECOLOGICAL ASPECT**

Fuad Aliyev¹, Hagigat Javadova², Ilaha Jafarova¹
¹*Ganja branch of Azerbaijan National Academy of Sciences, Azerbaijan*
²*Institute of Chemistry of Additives named after academician Ali Guliyev, Azerbaijan*

20 **CARCINOGEN OF NAPHTALAN OIL WITH SEOLYTIC BASED ABSORBENTS CLEANING OF COMBINATIONS**

Fuad Aliyev, Ilaha Jafarova
Ganja branch of Azerbaijan National Academy of Sciences, Azerbaijan

21 **PASSPORTING AND RECYCLING OF MINING INDUSTRY WASTE OF WESTERN REGION**

Mahira Sharifova, Etigad Hajiyeva, Seymur Hasanov, Kamran Ibrahimov, Zulfiyya Aslanova
Ganja branch of Azerbaijan National Academy of Sciences, Azerbaijan

22 **DEPENDENCE OF THE DEGREE OF DEAROMATIZATION AND DESULFURIZATION OF THE DIESEL FRACTION ON ITS FRACTIONAL COMPOSITION**

Minavar Ibrahimova, Sabina Seyidova, Huseyn Huseynov
Institute of Petrochemical Processes named after academician Yusif Mammadaliyev

23 **PURCHASE OF ENVIRONMENTALLY FRIENDLY DIESEL FUEL**

Mehriban Naghiyeva, Chingiz Rasulov, Sayyara Aliyeva, Elnara Guliyeva
Institute of Petrochemical Processes named after academician Yusif Mammadaliyev

24	<p>RESEARCH OF HYDROCRACKING OF HEAVY OIL RESIDUES IN THE PRESENCE OF NATURAL HALLOYSITE</p> <p>Aisha Hasanova¹, Gulbaniz Mukhtarova² ¹<i>Ganja branch of Azerbaijan National Academy of Sciences, Azerbaijan</i> ²<i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i></p>
25	<p>HYDROGENATION AND HYDROISOMERIZATION OF THE st.b. = 90⁰C FRACTION EXTRACTED FROM REFORMING GASOLINE ON INDUSTRIAL CATALYSTS</p> <p>Sahib Yunusov, Zohra Babayeva, Natalya Andryushchenko, Lyudmila Mirzoyeva, Khalida Talybova <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i></p>
26	<p>OBTAINING HIGH-OCTANE GASOLINE FROM C3-C4 HYDROCARBONS</p> <p>Azar Gasimov¹, Saida Jamalova¹, Gunel Amanullayeva², Zulfiya Ismailova¹, Tunzala Agayeva¹, Sadagat Zeynalova¹ ¹<i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i> ²<i>Azerbaijan State Oil and Industry University, Azerbaijan</i></p>
27	<p>PURIFICATION OF TRANSFORMER OILS WITH IRON CHLORIDE SALTS</p> <p>Elmira Huseynova, Ulkar Shiraliyeva, Ziba Bagirova, Kamala Ismayilova, Nasiba Imanova <i>Scientific Research Institute "Geotechnological Problems of Oil, Gas and Chemistry", Azerbaijan</i></p>
28	<p>NEW ADDITIVES FOR ENVIRONMENTALLY FRIENDLY DIESEL FUELS</p> <p>Sayyara Aliyeva, Elnara Guliyeva, Minara Bayramova, Maryam Ahmadkhanova, Nazila Sadiyeva <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i></p>
29	<p>CONCENTRATION OF URANIUM WITH A SORBENT BASED ON COPOLYMER OF MALEIC ANHYDRIDE WITH STYRENE CONTAINING 2-AMINOPHENOL-4,6-DISULFO FRAGMENTS</p> <p>Elnara Alirzayeva <i>Baku State University, Azerbaijan</i></p>
30	<p>AIR POLLUTION STUDY IN AZERBAIJAN (GOYGOL, DASHKESAN AND GADABAY) USING THE MOSS BIOMONITORING TECHNIQUE AND NEUTRON ACTIVATION ANALYSIS</p> <p>Afag Madadzada^{1,2}, Shahla Nuhuyeva³, Elshad Mammadov⁴, Marina Frontasyeva¹ ¹<i>Joint Institute for Nuclear Research, Russia</i> ²<i>National Nuclear Research Centre, Azerbaijan</i> ³<i>Azerbaijan State Agricultural University, Azerbaijan</i> ⁴<i>Azerbaijan Technological University, Azerbaijan</i></p>
31	<p>NEW APPROACHES TO THE SYNTHESIS OF SUBSTITUTED TIETHANE-1 DIOXIDES</p> <p>Sevinj Gojayeva, Nazar Nazarov, Sabir Babayev, Jamila Ahmadova, Lala Aliyeva <i>Institute of Chemistry of Additives named after academician Ali Guliyev, Azerbaijan</i></p>
32	<p>SYNTHESIS AND STUDY OF COCOGEM TYPE SURFACTANTS BASED ON ETHYLENEDIAMINE, PROPYLENE OXIDE AND MONOCARBOXYLIC ACIDS</p> <p>Ravan Rahimov, Khuraman Huseynova, Saida Huseynova, Aygul Abilova, Gulnara Ahmadova <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i></p>
33	<p>THE OXYDATION-REACTION OF N-HEPTANOL IN TWO-PHASE HETEROGENEOUS SYSTEM</p> <p>Tahira Guseynova <i>Azerbaijan State Oil and Industry University, Azerbaijan</i></p>

34	PRODUCTION AND PROPERTIES OF HYDROCYPROPYLATED DERIVATIVES OF SOYBEAN OIL FATTY ACIDS HEXAMETHYLENEDIAMIDE
	Nargiz Salamova, Gulnara Ahmadova, Ravan Rahimov, Saida Ahmadbayova <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i>
35	DEVELOPEN OF ELEKTROCHEMICAL TECHNOLOGY OF RECEIVING OF NITRIC ACID FROM WASTE GASES
	Aida Rzayeva, Zarifa Mammadova, Saida Najafova, Nurana Mardanova, Sevindj Safarova <i>Scientific Research Institut "Geotechnological Problems of Oil, Gas and Chemistry", Azerbaijan</i>
36	ACCUMULATION DYNAMICS OF PHENOLIC COMPOUNDS IN THE VEGETATIVE ORGANS OF THE DROUGHT-EXPOSED WHEAT PLANT
	Zumrud Yunusova, Aytan Zeynalova, Durna Aliyeva <i>Institute of Molecular Biology and Biotechnologies, Azerbaijan</i>
37	SYNTHESIS AND PROPERTIES OF CATIONIC IONIC-LIQUID SURFACTANTS BASED ON TETRADECYLMETHYLDIETHYLOLAMMONIUM BROMIDE AND POTASSIUM OXALATE
	Ravan Rahimov, Inara Rustamova, Gular Bayramova <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i>
38	MORPHOLOGICAL AND PHOTOCATALYTIC ACTIVITY OF ZINC OXIDE/ZINC FERRITE NANOPARTICLES
	Latif Shoomaila, Imran Muhammad, Ahmed Maimoona <i>University of the Punjab, Pakistan</i>
39	RESEARCH OF MODERN METHODS FOR CLEANING THE AQUATIC ENVIRONMENT FROM OIL WASTES
	Ulkar Abdullayeva <i>Baku State University, Azerbaijan</i>
40	ESTERS OF MERCAPTOACETIC ACID AS ANALYTICAL REAGENTS AND AS SYNTHONS
	Gasim Huseyinov, Murvat Ismayilova <i>Baku State University, Azerbaijan</i>
41	ECO-CHEMICAL ANALYSIS OF THE RIVER OKHCHUCHAY
	Aytan Samadova, Fatimeyi-Zahra Jabbarova, Fatali Huseynov <i>Baku State University, Azerbaijan</i>
42	ANALYSIS OF HEAVY METALS IN WATER (AKBULOK, KLI, TUZKON LAKE) BY OPTICAL EMISSION SPECTROMETRIC METHOD
	Zukhra Yakhshieva¹, Yorqinoy Ahmadjonova², Zulayho Smanova³ ¹ <i>Jizzakh State Pedagogical Institute, Uzbekistan</i> ² <i>Jizzakh Polytechnic Institute, Uzbekistan</i> ³ <i>National University of Uzbekistan, Uzbekistan</i>
43	DETERMINATION OF RADIONUCLIDES IN THE ALPHA SPECTROMETER
	Khijran Rafiyeva, Zemfira Agayeva <i>Baku State University, Azerbaijan</i>
44	DETERMINATION OF HEAVY METALS IN LAND IN THE WESTERN TERRITORY OF AZERBAIJAN
	Khijran Rafiyeva <i>Baku State University, Azerbaijan</i>

45 DETERMINATION OF PESTICIDES IN GRAPE SAMPLES

Ibrahim Jafarov, Emina Yolchuyeva

Azerbaijan State Agricultural University, Azerbaijan

46 APPLICATION OF THE LATEST METHODS OF SAMPLING FROM NATURAL WATER SOURCES

Roya Rahimova, Elnur Rahimov

Baku State University, Azerbaijan

47 STUDY OF ECOTOXICANTS RECEIVED IN OIL REFINING INDUSTRY

Jalair Samadov

Baku State University, Azerbaijan

Poster session III
September 30, 10:30 - 11:00

1 RADIATION PROCESSES IN OLEFIN-ALKANE SYSTEMS

Lala Jabbarova, Islam Mustafayev, Ramin Akbarov

Institute of Radiation Problems, Azerbaijan

2 THE EFFECT OF GAMMA RADIATION ON FUELS

Lala Jabbarova, Islam Mustafayev, Aida Mirzayeva

Institute of Radiation Problems, Azerbaijan

3 ENVIRONMENTALLY FRIENDLY BIOFUEL

Salatin Guliyeva, Ibrahim Mammadov

Baku State University, Azerbaijan

4 OBTAINING A NEW SOLUBLE BETAIN DERIVATIVE OF CHITOSAN

Aleksey Artemiev, Anton Egorov, Artem Dysin, Vladimir Kozyrev, Tatiana Tereshina,
Anna Popova, Ekaterina Kultyshkina

Peoples' Friendship University of Russia, Russia

5 LAYERED PEROVSKITES WITH THE DIONE-JACOBSON STRUCTURE $RbAnb_2O_7$
(A = Bi^{3+} , La^{3+}): SYNTHESIS, PHASE FORMATION, ION-EXCHANGE REACTIONS

Anna Mitrofanova, Daniil Dolgachev, Marina Safronenko, Elena Fortalnova

Peoples' Friendship University of Russia, Russia

6 NEW FILMS BASED ON CHITOSAN

Anastasia Godzishvskaya, Margarita Kurasova, Andrey Kritchenkov, Anton Egorov,
Aleksey Artemyev, Vladimir Kozyrev

Peoples' Friendship University of Russia, Russia

7 SYNTHESIS OF ACETYLENE ALCOHOLS ON THE BASIS OF TERMINAL ALKYNES AND
KETONES USING VARIOUS CATALYST

Odiljon Ziyadullaev¹, Guzal Otamukhamedova¹, San'at Samatov¹, Abduvakhob Ikramov²

¹*Chirchik State Pedagogical Institute, Uzbekistan*

²*Tashkent Chemical-Technological Institute, Uzbekistan*

8 ESTERS OF ALIPHATIC DIBASIC ACIDS - PROMISING PLASTICIZERS

Nazila Sadiyeva, Sevil Iskandarova, Yutta Cherepnova, Lala Afandiyeva, Gunay Nasibova

Institute of Petrochemical Processes named after academician Yusif Mammadaliyev

9	<p>OBTAINING DIACETYLSORIHIERACLINE FROM THE SPECIES HERACLEUM PASTINACIFOLIUM</p> <p>Gultakin Gasimova <i>Ganja State University, Azerbaijan</i></p>
10	<p>STUDY OF THE BACTERICIDAL PROPERTIES OF THE DIPENTYLAMINE COMPLEX OF ETHANE-1,2-DICARBOXYLIC ACID</p> <p>Durna Agamaliyeva, Mutallim Abbasov, Sara Abbaszada <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i></p>
11	<p>HETEROGENEOUS-CATALYTIC ETERIFICATION OF GLYCEROL WITH BENZYL ALCOHOL</p> <p>Sabira Ismailova <i>Azerbaijan State Oil and Industry University, Azerbaijan</i></p>
12	<p>SYNTHESIS AND PROPERTIES OF N,N-DIBUTYLAMINOMETHOXYCYCLOHEXANE</p> <p>Samira Ismayilova, Eldar Mammadbayli, Gulsum Hajiyeva, Durna Agamaliyeva, Kamila Hasanova, Chimnaz Salmanova <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i></p>
13	<p>DEVELOPMENT OF A GAS-PHASE TECHNOLOGY FOR THE PRODUCTION OF 1,4-CIS-POLYBUTADIENE ON NANOCATALYSTS</p> <p>Mansura Javadova, Sabina Eldarova, Ilhama Khudiyeva, Fidan Azizova, Nargiz Gafarova <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i></p>
14	<p>SYNTHESIS AND POLYMERIZATION OF REACTIVE MONOMER-5-CARBOXYLNOBORNYLACRYLATE</p> <p>Minaver Ibrahimova, Vusala Kadirli, Elnara Mahmudova <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i></p>
15	<p>STUDY OF AMIDOAMINE AND THEIR COMPOSITIONS SYNTHESIZED ON THE BASIS OF PLANT FATTY ACIDS AS CONSERVATIVE FLUIDS IN T-30 OIL DISTILLATE</p> <p>Vagif Abbasov, Elgun Hasanov, Rashad Akhakishiyev, Samir Khalilov, Vugar Gasimov <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i></p>
16	<p>SYNTHESIS OF P-2- GLYCIDYLOXYMETHYLCYCLOPROPYLSTYRENE, STUDY OF REGULARITIES, PHOTSENSITIVITY AND OPTICAL TRANSPARENCY OF ITS CO-POLYMERIZATION WITH METHYLMETHACRYLATE</p> <p>Kazim Guliyev, Ulker Khamadova <i>Institute of Polymer Materials, Azerbaijan</i></p>
17	<p>THERMOSTABLE COMPOSITION ON THE BASIS OF NEW EPOXIDE TELOMER</p> <p>Almaz Chalabiyeva, Elnara Aslanova, Dilbar Nurullayeva, Bakhtiyar Mammadov <i>Institute of Polymer Materials, Azerbaijan</i></p>
18	<p>THERMOSTABLE COMPOSITION MATERIALS ON THE BASIS OF ORGANOSILICON DIOXIRANES</p> <p>Ogtay Askarov, Aynura Mammadova, Dilbar Nurullayeva, Nazakat Djafarova <i>Institute of Polymer Materials, Azerbaijan</i></p>
19	<p>SYNTHESIS OF PHOTSENSITIVE POLYMER ON THE BASIS OF 2-ACETOPHENOXYCARBONYLPARACYCLOPROPYL STYRENE</p> <p>Kazim Guliyev¹, Ofeliya Guliyeva², Alvina Sadygova², Afat Aliyeva¹, Dilgam Taghiyev² ¹<i>Institute of Polymer Materials, Azerbaijan</i> ²<i>Azerbaijan Medical University, Azerbaijan</i></p>

20 **PURIFICATION OF NATURAL WATERS FROM COPPER IONS BY COMPLEX FORMING MATERIALS BASED ON NITRON FIBRE**

Dilfuza Gafurova, Mukhtarjan Muxamediev
National University of Uzbekistan, Uzbekistan

21 **THE PERFORMANCE OF MODIFIED SAPO-34 CATALYSTS IN METHANOL TO OLEFINS PROCESS**

Hikmet Ibrahimov, Rana Ahmadova, Farida Babayeva
Institute of Petrochemical Processes named after academician Yusif Mammadaliyev

22 **SYNTHESIS OF NANOCARBON IN THE PRESENCE OF BIMETALLIC Fe-Co/- γ AL₂O₃ CATALYSTS**

Hikmat Ibrahimov, Sara Malikli, Zenfira Ibrahimova, Sevinj Alaskerova, Farida Mammadli
Institute of Petrochemical Processes named after academician Yusif Mammadaliyev

23 **DETERMINATION OF OPTIMAL CONDITION OF SYNTHESIS OF IMIDAZOLINE BASED ON 5-NORBORNENE-2-CARBOXYLIC ACID AND TRIETHYLENETETRAAMINE**

Eldar Mammadbayli, Vafa Babayeva, Rasim Jafarov, Orkhan Farzalizade, Ilgar Ayyubov
Institute of Petrochemical Processes named after academician Yusif Mammadaliyev

24 **SYNTHESIS OF ZrO₂ NANOPARTICLES BY ZOL-GEL METHOD**

Hikmat Ibrahimov, Rahim Babali, Rana Ahmadova, Zenfira Ibrahimova
Institute of Petrochemical Processes named after academician Yusif Mammadaliyev

25 **STUDY OF PHYSICO-CHEMICAL PROPERTIES OF CONVERSION PRODUCTS OF THERMOSETTING AND THERMOPLASTIC PHENOLFORMALDEHYDE OLIGOMERS FUNCTIONALIZED WITH BENZYLAMINE**

Menzer Amiraslanova, Aytan Aliyeva, Fidan Mammadzada, Rufat Rustamov, Shakhla Aliyeva, Parvana Isayeva
Institute of Petrochemical Processes named after academician Yusif Mammadaliyev

26 **EFFECT OF AMINOETHYLIMIDAZOLINES OF INDIVIDUAL FATTY ACIDS ON THE LUBRICATING PROPERTIES OF DIESEL FUEL**

Khayala Kasamanli
Ganja State University, Ganja, Azerbaijan

27 **1,3-DICARBONYL COMPOUNDS AS VALUABLE BUILDING BLOCKS IN THE SYNTHESIS OF TETRAHYDROPYRIMIDINE-2(1H)-THIONES**

Khatira Aliyeva
Baku State University, Azerbaijan

28 **TETRA-THIOCYANATE COMPLEXES OF AETHAZOLUM**

Nani Zhorzholiani¹, Koba Amirkhanashvili¹, Lasha Khmaladze²
¹*Tbilisi State University, Georgia*
²*University of Georgia, Georgia*

29 **STUDY OF BIOLOGICAL ASSAY OF POLIAMINE-BASED AZOMETHINE**

Fargana Alizadeh^{1,2}, Alakbar Huseynzada^{2,3}, Mustafa Demiralp⁴, Ulviyya Hasanova^{2,3}, Ulviyya Yolchuyeva¹, Vagif Abbasov¹
¹*Institute of Petrochemical Processes, Azerbaijan*
²*Scientific Research Institute "Geotechnological Problems of Oil, Gas and Chemistry", Azerbaijan*
³*Baku State University, Azerbaijan*
⁴*Advanced Technology Research and Application Center, Türkiye*

30 ANTISTATIC COMPOSITIONS BASED ON OLIGO-4-AMINOPHENOL AND THERMOPLASTS

Rana Akhmedova, Gunay Mansurova, Bakhtiyar Mammadov
Institute of Polymer Materials, Azerbaijan

31 POLYMER COMPOSITIONS BASED ON THERMOPLASTIC POLYOLEFINS AND MINERAL FILLER

Gulnara Gasimova, Najaf Gahramanov, Nushaba Arzumanova, Fidan Aghayeva, Lala Gasimzada, Ayde Taghiyeva
Institute of Polymer Materials, Azerbaijan

32 STUDY OF THE PHYSICAL AND MECHANICAL PROPERTIES OF EXPANDED GEOPOLYMER CONCRETES

Yunis Gahramanli, Leyla Vazirova, Mahira Aliyeva
Azerbaijan State Oil and Industry University, Azerbaijan

33 CRYSTALLIZATION OF A COMPOSITE OBTAINED ON THE BASIS OF HIGH-PRESSURE POLYETHYLENE AND A NEW NATURAL MINERAL FILLER, DETECTED ON THE TERRITORY OF ABSHERON DISTRICT

Khayyam Nazaraliyev
Institute of Polymer Materials, Azerbaijan

34 ANTIBACTERIAL PREPARAT FOR HEMOSTASIS

Vagif Abbasov, Fizuli Nasirov, Afag Aslanbayli, Orkhan Nasirov
Institute of Petrochemical Processes named after academician Yusif Mammadaliyev

35 LIQUID AND GAS PHASE POLYMERIZATION OF BUTADIENE WITH HETEROGENIZED NANOSIZED CATALYTIC DITHIOSYSTEMS

Zakir Tagizada, Gulara Hasanova, Sevda Rafiyeva, Fizuli Nasirov
Institute of Petrochemical Processes named after academician Yusif Mammadaliyev

36 STUDY OF VOLUME WEIGHT AND MECHANICAL PROPERTIES OF GEOPOLYMER CONCRETES BASED ON IRON ORE ENRICHMENT WASTES

Yunis Gahramanli, Leyla Vazirova, Mehriban Mikailova, Mahira Aliyeva
Azerbaijan State Oil and Industry University, Azerbaijan

37 SELF-HEALING POLYMER FILMS ON THE BASIS OF COPOLYMERS OF GEM-DICHLOROCYCLOPROPYL VINYL ETHER AND MALEIC ANHYDRIDE

Rita Shahnazarli
Institute of Polymer Materials, Azerbaijan

38 SYNTHESIS OF NEW DIHYDRO-1H-BENZO[G]INDOL DERIVATIVES

Aytan Safarova, Elnur Huseynov
Baku State University, Azerbaijan

39 SYNTHESIS OF NEW AZOMETHINE ON THE BASE OF 3-BROMOBENZALDEHYDE AND STUDY OF ITS BIOLOGICAL ACTIVITY

Sabina Sharbatova¹, Alakbar Huseynzada^{1,2}, Mustafa Demiralp³, Ulviyya Hasanova¹
¹*Baku State University, Azerbaijan*
²*Azerbaijan State Oil and Industry University, Azerbaijan*
³*Advanced Technology Research and Application Center, Turkey*

40 CREATION OF COMPOSITE MATERIALS FOR THE OIL INDUSTRY

Minira Aghahuseynova
Azerbaijan State Oil and Industry University, Azerbaijan

41 **AGRICULTURAL WASTE REINFORCED POLYMER BIOCOMPOSITES BASED ON LOW DENSITY POLYETHYLENE**

Nushaba Arzumanova, Najaf Gahramanov

Institute of Polymer Materials, Azerbaijan

42 **THE INVESTIGATION OF THE INFLUENCE OF MAGNETIC-SENSITIVE ELASTOMERS ON OIL RECOVERY**

Rana Mustafayeva

Azerbaijan State Oil and Industry University, Azerbaijan

43 **SYNTHESIS AND SPECTRAL CHARACTERISTICS OF A BINUCLEAR COMPOUND**

Mo₂(O₂CH₄)L₂ (L – dimethyl sulfoxide – DMSO)

Eldar Ahmadov, Konul Huseynguliyeva, Kamala Badalova

Azerbaijan Medical University, Azerbaijan

44 **SYNTHESIS AND PROPERTIES OF 2-PIPERIDINOMETHYL-4(METHYLCYCLOHEXYL)PHENOLS**

Gulnar Huseynova¹, Chingiz Rasulov², Ali Zalov¹, Husu Ibrahimov¹

¹*Azerbaijan State Pedagogical University, Azerbaijan*

²*Institute of Petrochemical Processes named after academician Yusif Mammadaliyev*

45 **LIQUID-PHASE AEROBIC OXIDATION OF PARAFFIN CONCENTRATE IN THE PRESENCE OF CHROMIUM NAPHTHENATE USING ULTRASOUND**

Ulviyya Karimova, Aygun Aliyeva, Hikmat Ibrahimov, Elcan Mammadov, Ulvi Aghayev

Institute of Petrochemical Processes named after academician Yusif Mammadaliyev

46 **PROCESSING OF COMPOSITES ON THE BASIS OF MIXTURES OF HIGH PRESSURE AND LOW PRESSURE POLYETHYLENES AND METAL-CONTAINING NANOFILLERS**

Gunay Mammadova¹, Nushaba Gurbanova²

¹*Azerbaijan State Oil and Industry University, Azerbaijan*

²*Institute of Polymer Materials, Azerbaijan*

Poster session IV

September 30, 15:30 - 16:00

1 **PREPARATION OF FUEL BRIQUETTES FROM WOOD RESIDUES AND RESEARCH OF COMBUSTION PROPERTIES**

Fuzuli Nasirov, Nadira Hasankhanova, Aynur Hasanova

Institute of Petrochemical Processes named after academician Yusif Mammadaliyev

2 **SELECTIVE METHODS FOR THE DETERMINATION OF TIN(II) AND TITANIUM(IV) IN ENVIRONMENTAL OBJECTS**

Khalil Naghiyev, Gulshan Mugalova, Rizvan Abdullayev

Baku State University, Azerbaijan

3 **PATRIOTIC CHEMISTRY EDUCATION IN THE POST-2nd KARABAKH WAR PERIOD**

Aytan Asgarova, Yasin Jafarov, Khammed Asadov

Baku State University, Azerbaijan

4 **CHEMICAL LANGUAGE AND ITS LEADING ROLE IN IMPROVING STUDENTS' THINKING**

Gulnara Duruskari

Baku State University, Azerbaijan

5	<p>SHAPING THE EDUCATIONAL ROUTE OF ADVANCED CHEMISTRY TEACHING IN THE FRAMEWORK OF THE RAS BASIC SCHOOLS PROJECT</p> <p>Irina Churilova¹, Irina Kuznetsova¹, Dmitry Vandyshev^{1,2}, Tatiana Kuchmenko³ ¹<i>MBEU Gymnasium of academician N.G.Basov at Voronezh State University, Russia</i> ²<i>Voronezh State University, Russia</i> ³<i>Voronezh State University of Engineering Technology, Russia</i></p>
6	<p>USE OF MODERN EDUCATIONAL TECHNOLOGIES IN TEACHING CHEMISTRY</p> <p>Gular Bayramova, Zeynab Hashimzada <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i></p>
7	<p>POSSIBILITIES OF USING CHEMISTRY SUBJECT IN TEACHING GENERAL HISTORY IN GENERAL EDUCATION SCHOOLS</p> <p>Nasim Abishov¹, Samira Aliyeva² ¹<i>"Taraqqi" technical-humanitarian lyceum named after I.Hajiyev, Azerbaijan</i> ²<i>Nakhchivan State University, Azerbaijan</i></p>
8	<p>THE IMPORTANCE OF INTERDISCIPLINARY COMMUNICATION IN TEACHING METHOD</p> <p>Nabili Medina <i>Baku State University, Azerbaijan</i></p>
9	<p>THE ROLE OF ALKYLARYLSULFONATES BASED ON ALKALI AND AMINES AS A BACTERICIDE IN THE PROCESS OF MICROBIOLOGICAL CORROSION</p> <p>Aysel Abdullazada², Minavar Ibrahimova¹, Durna Agamaliyeva¹, Sabina Seyidova¹ ¹<i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i> ²<i>Azerbaijan State Oil and Industrial University, Azerbaijan</i></p>
10	<p>EXTRACTION-PHOTOMETRIC DEFINITION OF STIBIUM (V) BY AZOZAMED ETHOXYACRIDINES</p> <p>Namig Ismailov¹, Aydin Pashadjanov¹, Tariyel Ismailov², Malak Agamaliyeva¹, Gulnara Hasanova¹ ¹<i>Institute of Catalysis and Inorganic Chemistry named after academician Murtuza Naghiyev, Azerbaijan</i> ²<i>Azerbaijan Medical University, Azerbaijan</i></p>
11	<p>RESEARCH OF ECOLOGICAL-CHEMICAL INDICATORS OF LOKBATAN LAKE</p> <p>Tarana Aliyeva <i>Baku State University, Azerbaijan</i></p>
12	<p>STUDY OF Co, Cu, Zn, Mn SORPTION FROM MULTICOMPONENT IRON ORE WASTES BY NATURAL ZEOLITES</p> <p>Aybaniz Guliyeva¹, Hijran Rafiyeva² ¹<i>Institute of Catalysis and Inorganic Chemistry named after academician Murtuza Naghiyev, Azerbaijan</i> ²<i>Baku State University, Azerbaijan</i></p>
13	<p>STUDY OF WATER-SOLUBLE SUGARS IN PHOTOSYNTHETIC AND NON-PHOTOSYNTHETIC ORGANS OF WHEAT</p> <p>Ulduza Gurbanova <i>Institute of Molecular Biology and Biotechnologies, Azerbaijan</i></p>
14	<p>STUDY OF POLLUTION LEVEL OF LAKE LOKBATAN</p> <p>Islam Mustafayev¹, Tarana Aliyeva² ¹<i>Institute of Radiation Problems, Azerbaijan</i> ²<i>Baku State University, Azerbaijan</i></p>

15	<p>ENVIRONMENTAL ASSESSMENT OF THE RIVERS OF THE KHACHMAZ DISTRICT</p> <p>Narmin Huseynova, Zarifa Valiyeva <i>Baku State University, Azerbaijan</i></p>
16	<p>PREPARATION AND STUDY OF CANNED LIQUIDS ON THE BASIS OF DIFFERENT COMPOSITION NITROBILES</p> <p>Teyyub Ismayilov, Rahima Farhadova, Gultakin Quliyeva, Rufana Alizada, Tofiq Aliyev, Sevda Rzayeva, Gulnar Valiyeva <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i></p>
17	<p>DETERMINATION OF THE MAIN INDICATORS OF WATER QUALITY AT THE JOINT OF THE CONFERENCE OF THE KURA AND ARAZ RIVERS IN SABIRABAD REGION</p> <p>Ulviyya Rustamova, Alakbar Khalilov <i>Baku State University, Azerbaijan</i></p>
18	<p>PRODUCTION OF ALTERNATIVE PLANT MILK</p> <p>Nazirova Rakhnamohon, Usmonov Botiraliyevich <i>Ferghana Polytechnic Institute, Uzbekistan</i></p>
19	<p>DETERMINATION OF OXIDASE ACTIVITY OF XYLOTROPIC MACROMYCETES</p> <p>Nazila Akhundova, Aynur Babashli <i>Azerbaijan State Economic University, Azerbaijan</i></p>
20	<p>DETERMINATION OF CHEMICAL COMPOSITION OF OIL POLLUTION OF THE CASPIAN SEA</p> <p>Boyukkhanim Sharifova, Narmin Isayeva <i>National Aerospace Agency, Azerbaijan</i></p>
21	<p>DEVELOPMENT OF CLEANING OF OIL INDUSTRY WASTEWATER WITH ENVIRONMENTALLY EFFECTIVE CHEMICAL METHOD</p> <p>Narmin Rakida, Nazim Shamilov <i>Baku State University, Azerbaijan</i></p>
22	<p>SYNTHESIS OF N₄, N₅-DI (N₁ ', N₁'-DIDESOXYMETHYLAZON-N'-MONODESOXYMETHYLAZONE) DIPHENYLCARBAZONE COMPOUND AND RESEARCH AS A CORROSION INHIBITOR</p> <p>Giyas Bayramov <i>Baku State University, Azerbaijan</i></p>
23	<p>ENVIRONMENTALLY EFFECTIVE PURIFICATION OF H₂S GAS FROM A MIXTURE OF TECHNOLOGICAL WASTE GASES</p> <p>Gunel Abbasova, Fatali Huseynov <i>Baku State University, Azerbaijan</i></p>
24	<p>ANALYSIS OF PHYSICO-CHEMICAL PARAMETERS OF DRINKING WATER FROM KUR RIVER, AZERBAIJAN</p> <p>Fidan Yolchiyeva, Abuyali Huseyinli <i>Baku State University, Azerbaijan</i></p>
25	<p>DEFINITION OF QUALITY INDICATORS IN THE COMPOSITION OF GRAPES AFTER THE USING OF FUNGICIDES</p> <p>Ibrahim Jafarov, Emina Yolchuyeva <i>Azerbaijan State Agricultural University, Azerbaijan</i></p>

26	INFLUENCE OF METAL-CONTAINING NANOPARTICLES ON PROPERTIES OF FULLERENE-POLYPROPYLENE COMPOSITIONS Aida Dunyamalieva, Nushaba Kurbanova <i>Institute of Polymer Materials, Azerbaijan</i>
27	INFLUENCE OF NICKEL OXIDE NANOPARTICLES ON THE PROPERTIES OF A BINARY MIXTURE OF ISOTACTIC POLYPROPYLENE AND HIGH-PRESSURE POLYETHYLENE Nushaba Gurbanova, Sevinj Rahimova, Turkan Guliyeva <i>Institute of Polymer Materials, Azerbaijan</i>
28	METAL(Co, Ni)CARBON NANOCOMPOSITES BASED ON HIGH PRESSURE POLYETHYLENE Nurlana Mirzoeva¹, Nushaba Gurbanova¹, Eldar Zeynalov² ¹ <i>Institute of Polymer Materials, Azerbaijan</i> ² <i>Institute of Catalysis and Inorganic Chemistry named after academician Murtuza Naghiyev, Azerbaijan</i>
29	USE OF HEAVY PYROLYSIS RESIN (QƏTRAN) AS RAW MATERIAL IN “DELAYED COKER” UNIT Zakir Mammadov¹, Abulfaz Babayev², Fuad Karimli³, Laman Mammadova² ¹ <i>Socar-carbamide plant, Azerbaijan</i> ² <i>Azerbaijan State Oil and Industry University, Azerbaijan</i> ³ <i>Baku State University, Azerbaijan</i>
30	NEW CATALYTIC CONDITIONS IN THE SYNTHESIS OF DIHYDROPYRIMIDINE DERIVATIVES Natalia Chiobanu <i>Institute of Chemistry, Moldova</i>
31	STUDY OF THE COMPLEX FORMED BY SALICYL (O-OXYBENZOIC ACID) WITH HYRAZIDE AND f-METALS Malahat Bagiyeva <i>Baku State University, Azerbaijan</i>
32	RADIO ECOLOGICAL MONITORING OF GALA LAKE Tarana Aliyeva <i>Baku State University, Azerbaijan</i>
33	INFLUENCE OF PRENATAL HYPOKINESIA ON THE BEHAVIOR, LEARNING AND MEMORY OF THE PROGENY DIFFERING BY EMOTIONAL ANXIETY LEVEL IN EARLY PERIODS OF POSTNATAL ONTOGENESIS Elmira Agayeva <i>Institute of Physiology named after academician Abdulla Garayev, Azerbaijan</i>
34	ASSESSMENT OF THE IMPACT OF THE AYDAR-ARNASAY LAKE SYSTEM ON THE ENVIRONMENT Zulaykho Smanova¹, Yorqinoy Ahmadjonova², Zuhra Yakhshieva³ ¹ <i>National University of Uzbekistan, Uzbekistan</i> ² <i>Jizzakh Polytechnic Institute, Uzbekistan</i> ³ <i>Jizzakh State Pedagogical Institute, Uzbekistan</i>
35	ECOLOGICAL BALANCE IS THE KEY TO HUMAN HEALTH Valeh Jafarov <i>Institute of Polymer Materials, Azerbaijan</i>

Elshad Mammadov¹, Shahla Nuhuyeva², Tamella Musazada²

¹*Azerbaijan Technological University, Azerbaijan*

²*Azerbaijan State Agricultural University, Azerbaijan*

37	ZEOLITES - AS A NATURAL SORBENT FOR THE PURIFICATION OF TOXIC SUBSTANCES Sevinc Bayramova¹, Sultan Mammadova¹, Hijran Rafiyeva², Nurlana Valiyeva¹, Zenfira Agayeva¹ ¹ <i>Institute of Catalysis and Inorganic Chemistry named after academician Murtuza Naghiyev, Azerbaijan</i> ² <i>Baku State University, Azerbaijan</i>
38	OBTAINING AND RESEARCHING OF DERIVATIVES OF SUNFLOWER OIL ACID AND HEXAMETHYLENEDIAMINE Ilhama Zarbaliyeva, Hajar Nabiyeva, Amina Alimova, Sevda Zargarova, Gular Bayramova, Huseynova Saida <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i>
39	SURFACTANT-POLYELECTROLYTE COMPLEXES FOR ENHANCED OIL RECOVERY Ravan Rahimov, Shafiga Nasibova, Aygul Abilova, Aygun Isayeva, Gulnara Ahmadova <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i>
40	LEAD-CONTAINING RADIATION PROTECTIVE MATERIAL Ogtay Askarov, Vagif Jafarov, Aygun Aliyeva, Nurkhan Jafarova, Sona Guliyeva <i>Institute of Polymer Materials, Azerbaijan</i>
41	SYNTHESIS OF AMINO ALCOHOLS BASED ON HYDROXYHALIDES OF METHYLCYCLOPENTENE AND DIAMINES Narmin Pashabeyli, Omar Sadigov <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i>
42	SYNTHESIS AND INVESTIGATION NOVEL 1,2-AMINOPROPANTHIOLS SUBSTITUTED DERIVATIVES Afat Huseynova <i>Baki State University, Azerbaijan</i>
43	INVESTIGATION OF PARAMAGNETIC PROPERTIES OF WEST-ABSHERON OIL Maisa Najafova, Rana Jafarova, Yusira Abdullayeva, Nazira Alakbarova <i>Institute of Petrochemical Processes named after academician Yusif Mammadaliyev</i>
44	CREATION OF THE TECHNOLOGY OF THE EXTRACTION OF BRUSIT AND GYPSUM FROM DOLIMITE Gulnara Ikhtiyarova, Shokhjakhon Tursunov <i>Tashkent State Technical University, Uzbekistan</i>