**POSTER SESSION 1, THURSDAY, 22 SEPTEMBER**

***Hotel Kolhida lobby*, 16:15 – 17:15**

**NANO PROCESSES AND NANOTECHNOLOGIES**

1. PREPARATION OF CONDUCTING COMPOSITE POLYMERIC MATERIALS CONTAINING MICRO- AND NANOPARTICLES AND THEIR ELECTROCHEMICAL ALUMINIZING

**G**. **Kipiani, N. Gasviani, D. Gventsadze, L. Abazadze, L. Gventsadze, S. Gasviani, N. Skhiladze**

1. CATALYTIC CONVERSION OF BIOETHANOL INTO VALUABLE PRODUCTS

**K. Dossumov, G. Y. Yergaziyeva, D. Kh. Churina, S. Tayrabekova**

1. NANOSTRUCTURAL CATALYSTS FOR SYNTHESIS OF N-VINYLMORFOLINE

**S. Nurmanov, D. Мirkhamitova, О. Ruzimuradov**

1. PHYSICAL-CHEMICAL TRANSFORMATIONS ON THE LASER IRRADIATED POLYMER SURFACES;

**J. Aneli, N. Bakradze, T. Dumbadze**

1. MODIFIED GRAPHENE OXIDE BY ALUMOORGANIC COMPOUNDS

**N. T. Jalagonia, T.V. Kuchukhidze, V. G. Tsitsishvili, Z. G. Amiridze, R.V. Chedia**

1. SILVER IONS SORPTION BY DNA DOUBLE HELIX AS A MULTISTEP NANOMOLECULAR ADSORPTION PROCESS

**V. Bregadze, T. Giorgadze, I. Khutsishvili, T. Khuskivadze**

1. STRUCTURAL, ELECTRICAL AND OPTICAL PROPERTIES OF INDIUM TIN OXIDE (ITO) AND CDS THIN FILMS WITHIN GLASS /ITO/ AAO/CDS SYSTEM

**A. Sh. Aliyev, D. B. Tagiyev, Sh. O. Eminov, Kh. D. Jalilova, N.J. Ismayilov, A. A Rajabli, J .A. Guliyev, N. Sh. Soltanova**

1. INHIBITION OF THE PHOTOOXIDATIVE DEGRADATION OF CdTe NANOPARTICLES

**A. O. Stratiychuk, A. F. Choban, O. V. Kushnir, Yu. B. Khalavka**

1. RECEIVING OF B 4 C–TiB 2 ALLOYS IN NANOCRYSTALLINE STATE

**M. Darchiashvili**

**ENERGY SOURCES, CONVERSION AND STORAGE**

1. ELECTROCHEMICAL CO-DEPOSITION OF ANTIMONY WITH SELENIUM FROM TARTRATE ELECTROLYTES

**V.A. Medjidzade, P.G. Guliyev, A. Sh. Aliyev, R.G. Huseynova**

1. ELECTROCATALYTIC PROPERTIES OF NANOSIZED TITANIUM DIOXIDE FILMS MODIFIED BY La AND Nd

**G.Ya. Kolbasov, V.S. Vorobets**

1. NEW APPROACHES AND TOOLS FOR REHABILITATION OF CHEMICALLY CONTAMINATED SOILS

**M. Kurashvili, T. Varazi, M. Pruidze, G. Adamia, N. Gagelidze, T. Ananiashvili, M. Gordeziani, G. Khatisashvili**

1. HYDROGEN GENERATION FROM THE HYDROLYSIS OF SODIUM HYPOPHOSPHITE USING CoB2O4 CATALYST

**P. Nikoleishvili, G. Gorelishvili, G. Tsurtsumia, V. Kveselava, R. Kurtanidze, D. Sharabidze**

1. NEW SOURCE OF ALTERNATIVE ENERGY – PLANT “EICHORNIA”

**T. Shamatava**

1. FUEL CELLS FOR ENVIRONMENTAL PURPOSES. PART I. SULFIDE AND NITRATE DRIVEN FUEL CELL

**E. Razkazova-Velkova, M. Martinov, S. Stefanov, V. Beschkov**

1. NICKEL-IRON MAGNETIC COMPOSITES AT THE ETHANOL CONVERSION

**K. Dossumov, G. Y. Yergaziyeva, E. M. Tulibayev, M. Telbayeva, T. V. Shakieva**

1. NEW CATALYTIC AND ADSORPTIVE TECHNOLOGIES OF HYDROCARBON RAW PROCESSING

**M. P. Yunusov, Sh. T. Gulomov, H. A. Nasullayev, Sh. B. Djalalova**

1. INFLUENCE OF MODIFICATION OF Co-Mo AND Ni-Mo OF CATALYSTS ON THE HYDRODESULFURIZATION OF FLUID AND GASEOUS HYDROCARBON RAW

**M. P. Yunusov, Sh. T. Gulomov, H. A. Nasullayev, S. M. Turobjonov**

1. PUBLIC UNDERSTANDING OF NUCLEAR ENERGY

**S. Mrozowska**

1. THE LIQUID SORBENT CONDITIONAL SYSTEMS ON GEOTHERMAL WATER BASE

**K. Vezirishvili-Nozadze, I. Zhordania, N. Mirianashvili , T. Nozadze, Z. Lomsadze,**

**T. Tsotsonava-Durglishvili**

1. ELABORATION OF BRIQUETTE FUEL COMPOSITIONS AND TECHNOLOGIES FOR THEIR PRODUCTION

**E. Topuria, N. Khetsuriani, E. Usharauli, K. Goderdzishvili, I. Mchedlishvili**

1. SOLID POLYMER ELECTROLYTES ON THE BASIS OF BRUSH TYPE ORGANOSILOXANE POLYMERS

**I. Esartia, N. Jalagonia, T. Tatrishvili, M. Barnabishvili, E. Markarashvili, O. Mukbaniani**

1. THE FUNDAMENTAL AND TECHNOLOGICAL ASPECTS OF THE PROCESSING OF FLY ASH OF THERMAL POWER PLANTS TO PRODUCE NEW VALUABLE PRODUCTS FROM IT

**T.V. Shakiyeva, B.T. Dossumova, B. B. Baizhomartov, V. S. Yemelyanova, E. M. Shakiyev**

**NEW METHODS FOR ECOLOGICAL AND RADIATION SAFETY, MEDICAL AND AGRARIAN RESEARCHES**

1. POPs MANAGEMENT ISSUES IN GEORGIA

**A. Berejiani**

1. CONTROL SYSTEMS ENGINEERING FOR ISOTOPE SEPARATION PROCESSES

**M. G.** **Berezhiani, T. Sh. Gergedava**

1. STUDYING THE CONTAMINATION WITH HEAVY METALS AND THE TOXICITY LEVEL OF ARABLE LANDS IN THE INDUSTRIAL REGION OF GEORGIA BOLNISI-KAZRETI USING MODERN TEST METHODS

**R. Gigauri, Sh. Japaridze, N. Gigauri, T. Gogiberidze, L. Dolidze**

1. WASTEWATER TREATMENT FROM PHENOLIC COMPOUNDS BY MEANS OF AOPs

 **G. Gorelishvili, P. Nikoleishvili, G. Tsurtsumia, V. Kveselava**

1. QUANTITATIVE DETERMINATION OF PHENOLIC COMPOUNDS IN WINES AND PARTS OF AUTOCHTHONOUS GEORGIAN RED GRAPES BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY

**N. Beridze, E. Tsutsqiridze, I. Giuashvili, L. Chankvetadze, A. Shalashvili, B. Chankvetadze**

1. INVESTIGATION OF COMPLEX FORMATION PROCESS OF CADMIUM WITH GEOPOLYMERS (FULVIC ACIDS)

**T. Makharadze, G. Supatashvili, G. Makharadze**

1. PHYSICAL-CHEMICAL PROPERTIES OF MACROMOLECULAR SUBSTANCES ISOLATED FROM NATURAL WATERS

**T. Makharadze, N. Goliadze, G. Makharadze, N. Mgaloblishvili**

1. THE RESEARCH OF ECOLOGICAL STATE OF KAKHETI REGION PASTURES IN GEORGIA ON THE BASE OF ANIMAL HAIR STUDYING

**T. Chelidze, L. Enukidze, M. Chankashvili, T. Loladze, B. Imnadze**

1. INVESTIGATION OF POLY-COMPONENT SYSTEMS IN AIMS FOR SYNTHESIS OF A NEW GROUP OF INORGANIC POLYMERS-CONDENSED PHOSPHATES

**M. Avaliani, M. Gvelesiani, N. Barnovi, B. Purtseladze, D. Dzanashvili**

1. DEVELOPMENT OF RECIPE OF TOOTHPASTES CONTAINING MINERAL WATERS OF GEORGIA

**M. A. Gabelaia, T. G. Tsintsadze, M. B. Kakhetelidze, P. A. Iavich**

1. RECEIVING AND RESEARCH OF HERBAL BIOLOGICALLY ACTIVE COMPOUNDS

**N. Kavtaradze, N. Barbakadze, K. Kochiashvili, T. Dgebuadze**

1. INNOVATIVE MODEL OF PROTECTION OF HOTHOUSE VEGETABLES AGAINST PESTS AND DISEASES

**I. Mikadze, R. Uridia, N. Tserodze, M. Stepanishvili**

1. MIGRATION OF CHLORINATED ORGANIC PESTICIDES AND THEIR IMPACT ON THE AQUATIC ENVIRONMENT

**T. Spataru, I. Povar, P. Spataru**

1. INNOVATIVE APPROACH TO RECYCLING OF SHOCK-PROOFED TIRE-CASING

**R. Kokilashvili, J. Kerkadze, G. Khitiri**

1. OPTICAL SEMICONDUCTOR AMPLIFIER IN COMMUNICATION

**D. Laperashvili**

1. SEPARATION OF ENANTIOMERS OF CHIRAL WEAK ACIDS WITH POLYSACCHARIDE-BASED CHIRAL COLUMNS AND AQUEOUS MOBILE PHASES IN HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY: TYPICAL REVERSED-PHASE BEHAVIOR?

**I. Matarashvili, D. Ghughunishvili, N. Takaishvili, M. Tsintsadze, B. Chankvetadze**

1. THEORETICAL STUDY OF EXCITATION PROFILES OF COHERENT ANTI-STOKES RAMAN SCATTERING AND APPLICATIONS TO SOME CAROTENOIDS

**M. G. Zakaraya, D. G. Gogoli and G. M. Chonishvili**

1. UTILIZATION OF CERTAIN MINERAL RESOURCES IN GEORGIA TO MAKE TOOTH PASTES

**M. Nishnianidze, T. Tsintsadze, K. Tsikarishvili, K. Batsikadze, S. Gvinjilia**

1. SOLVENT EFFECT ON COMPLEX FORMATION OF DIMETHYL SULFOXIDE

**N. Gegeshidze; L. Skhirtladaze, A. Mamulashvili, T. Edilashvili, N. Maisuradze**

1. MIXED-LIGAND COORDINATION COMPOUNDS OF 3d-METALS WITH ORTO-AMINO-4,5-METHILPYRIDINE AND ISONYCOTINOILHIDRAZONE OF PARA-DIMETHILAMINOBENZALDEHIDE

**N. Kilasonia, M. Kereselidze, N. Tabuashvili, M. Mamiseishvili, N. Endeladze**

1. INTEGRATED SYSTEM FOR DETECTION OF ACCIDENTAL EXPLOSIONS AND FIRES IN CHEMICAL PLANTS

**N. Bochorishvili, M. Chikhradze, I. Akhvlediani, K. Tavlalashvili, D. Tatishvili**

1. FUEL CELLS FOR ENVIRONMENTAL PURPOSES. PART I. SULFIDE AND NITRATE DRIVEN FUEL CELL

**E. Razkazova-Velkova, M. Martinov, S. Stefanov, V. Beschkov**

1. EVALUATION OF FERTILIZERS ON SOIL PROPERTY

**B. Azadegan and J. Massah**

1. ARTIFICIAL NEURAL NETWORK MODELING OF A NITRITE ENZYME-BASED ELECTROCHEMICAL BIOSENSOR

**K. Asefpour Vakilian, J. Massah**

1. TRAVERTINE ART

**R. Korshia, T. Lezhava, I. Kakhniashvili**

1. THE STUDY OF THE IMMUNE CORRECTIVE PROPERTIES OF GREEK WALNUT (JUGLANS REGIA L.) SEPTA

**D. Dzidziguri, M. Rukhadze I. Modebadze, E. Bakuradze, M. Kurtanidze, V. Giqoshvili, M. Berulava**

1. THE ELECTROLYTIC DISSOCIATION OF METHYL DERIVATIVES OF SUCCINIC ACID

**E. Kvaratskhelia, R. Kurtanidze**

1. BIOCHEMICAL STUDY OF THE FOLIAGES OF GLEDITSCHIA L. WIDESPREAD IN GEORGIA

**M. Jincharadze, N. Gelovani, I. Gvelesiani, I. Tsomaia, I. Metreveli**

1. INNOVATIVE FORMULATIONS OF MEANS OF PLANTS PROTECTION BY USE OF LOCAL RAW MATERIALS

**O. Lomtadze, A. Dolidze, N. Shalvashvili**

1. THE CLEANING SEWAGE OF MADNEULI BY SORPTION METHOD

**S. Jalaghania, L. Chochia, L .Qartvelishvili, J. Kakulia**

1. POSSIBILITY OF OBTAINING LUMINOPHOR FROM OIL-PIPELINE PRECIPITATE DEPOSITS

**G. Khitiri, I. Chikvaidze, R. Kokilashvili**

1. SYNTHESIS OF POTENTIAL BIOACTIVE STEROIDAL OXIMES, SEMI- AND THIOSEMICARBAZONES

**N. Nadaraia, M. Kakhabrishvili, N. Barbakadze**

1. COMPOSITES ON THE BASIS OF STRAW AND VARIOUS BINDERS

**E. Markarashvili, T. Tatrishvili, M. Razmazashvili, D. Koiava, O. Mukbaniani**

1. INCORPORATION AND NEUTRALIZATION OF RADIONUCLIDES IN MAGNETOCONTROLLABLE MINERAL-LIKE MATRICES BASED ON CENOSPHERES OF ENERGETICAL ASHES

**V. S. Yemelyanova, Y. Zh Aibassov, E. M. Shakiyev, B. B. Baizhomartov**

**POSTER SESSION 2, 23 SEPTEMBER**

***Hotel Kolhida lobby*, 14:15 – 15:15**

**NEW METHODS FOR ECOLOGICAL AND RADIATION SAFETY, MEDICAL AND AGRARIAN RESEARCHES**

1. SYNTHESIS AND RADIOPROTECTIVE PROPERTIES OF SOME 3,17-AMINOANDROSTALONES

 **L. Amiranashvili, N. Nadaraia, M. Merlani**

1. LOOKING FOR HIGHEST SELECTIVITY OF ENANTIOSEPARATIONS IN HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY

**T. Khatiashvili, R. Kakava, I. Matarashvili, B. Chankvetadze**

1. HPLC SEPARATION OF ENANTIOMERS OF SOME CHIRAL CARBOXYLIC ACID DERIVATIVES USING POLYSACCHARIDE-BASED CHIRAL COLUMNS AND POLAR ORGANIC MOBILE PHASES

**I. Matarashvili, L. Chankvetadze, B. Chankvetadze**

1. INFLUENCE OF THE NATURE OF SOLVENT ON THE POLAROGRAPHIC BEHAVIOUR OF PIROMELLITIC ACID

**I. Gurgenidze, T. Chelidze, Sh. Japaridze, N. Bitchiashvili**

1. ARSENIC-CONTAINING ORE PRODUCTION WASTE MONITORING IN SVANETI REGION OF GEORGIA

**N. Bitchiashvili**

1. FUNDAMENTAL RESEARCH OF CHEMICAL COMPONENTS OF VEGETATION OF GEORGIAN FLORA

**M. Alania, K. Shalashvili, T. Sagareishvili, N. Kavtaradze, M. Sutiashvili, K. Kobakhidze, T. Gigoshvili**

1. COMPARATIVE STUDY OF SOME PHYSICO-CHEMICAL PROPERTIES OF FRUIT BROMELAIN AND STEM BROMELAIN FROM ANANAS COMOSUS FOR DEVELOPMENT OF THE METHODS OF STANDARDIZATION

**N. Gorgaslidze, L. Nadirashvili, G. Erkomaishvili, N. Nizharadze**

1. THE STUDY OF SOME PROPERTIES OF PAPAIN CONTAINING GELS

**N. Gorgaslidze, G. Erkomaishvili, N. Nizharadze, L. Nadirashvili**

1. FATTY ACID COMPOSITION OF SEED OIL OF EUONYMUS VERRUCOSUS L. GROWING IN GEORGIA

**D. Lagazidze, M. Orjonikidze, M. Jorbenadze, G. Tsagareishvili, R. Abramovich, S. Goryainov**

1. INFLUENCE OF ULTRASOUND ON SUPERCRITICAL FLUID EXTRACTION OF OILS FROM BOTANIC MATRIX

**K. Ebralidze, M. Khachidze, G. Kandelaki**

1. SOLVENT EFFECT ON COMPLEX FORMATION OF DIMETHYLACETAMIDE AND N,N-DIMETHYLFORMAMIDE

**D. Lochoshvili, G. Tsintsadze, T. Giorgadze, E. Topuria, T. Tusiashvili**

1. NEW TECHNOLOGICAL LINE FOR PRODUCTION OF FUEL BRIQUETTES AND PALLETS

**S. Nikoghosyan, T. Lezhava, T. Natriashvili, J. Meskhi**

1. IMPREGNATED NANO ZERO-VALENT IRON FOR DEGRADATION OF CHLORINATED ORGANIC

**G. Kvartskhava, Ts. Ramishvili, K. Sarajishvili, T. Korkia, L. Kalatozishvili**

1. TECHNOLOGY OF PREPARATIONS FOR STORING THE RESIDUAL RADIOACTIVE MACHINERY OIL

**M. Razmadze, G. Kiknadze, O. Ambardanishvili, P. Imnadze, Z. Rostomashvili**

1. POLYMERIC COMPOSITIONS ON THE BASIS OF POLYMERIC ACID AND BENTONITE

**M. A. Mahkamov, M. G. Mukhamediev**

1. THE USE OF POLYCARBONATE FOR DRYING AGRICULTURAL PRODUCTS

**K. Archvadze, T. Megrelidze, I. Chachava**

1. PREPARATION OF POLYMERIZED NITROGENOUS FERTILIZERS

**G. Papava, M. Gurgenishvili, I. Chitrekashvili, N. Dokhturishvili, N. Gelashvili, N. Maisuradze, R. Liparteliani**

1. STRUCTURAL CHANGES OF POLYPHENYLENEOXIDES IN THE PROCESS OF FRICTION **G. Sh. Papava, M. Gurgenishvili, I. Chitrekashvili, E. Gavashelidze, Z. Tabukashvili, Z. Chubinishvili. N. Khotenashvili**
2. REFINEMENT OF DRUGS IN ORDER TO REDUCE TOXIC IMPACTS AND INCREASE THE THERAPEUTIC EFFECTS

**L. Tabatadze, N. Shengelia, Z. Pachulia, E. Vekua, R. Gakhokidze**

1. ADSORPTION OF TETRABUTYLAMMONIUM IODIDE AT THE MERCURY ELECTRODE FROM ETHYLENE GLYCOL SOLUTIONS

**Sh. Japaridze, I. Gurgenidze**

1. THE BIOSPHERE AND PLANT CHEMICAL POLLUTION

**N. Karkashadze, K. Ebralidze, V. Tsitsishvili, M. Luarsabishvili, I. Mikadze**

1. SOLVENT EFFECT ON COMPLEX FORMATION OF UREA

**M. Tsintsadze, S. Chichinadze, N. Bolqvadze, N. Imnadze, G. Manvelidze**

1. THIOSEMICARBAZIDE DERIVATIVES IN STRIPPING VOLTAMMETRY IN THE DETERMINATION OF THE TOXIC METALS

**T. Cazac**

1. SYNTHESİS, CHARACTERİZATİON, ELECTROCHEMİCAL AND PHOTOPHYSİCAL PROPERTİES OF 4,4-DİFLUORO-8-(4′-BROMOPHENYL)-3,5-DİETHYL-4-BORO-3A,4A-DİAZA-S-İNDACENE (BODIPY)

**R. F. Yılmaz, İ. H. Baydilek, Y. Derin, B. Albayrak, A. Tutar**

1. SYNTHESİS, CHARACTERİZATİON, PHOTOPHYSİCAL AND ELECTROCHEMİCAL PROPERTİES OF 4,4-DİFLUORO-8-(4′-BROMOPHENYL)-3,5-DİMETHYL-4-BORA-3A,4A-DİAZA-S-İNDACENE (BODIPY)

**B. Albayrak, R. F. Yılmaz, Y. Derin, A. Özdemir, A. Tutar**

1. SYNTHESİS, CHARACTERİZATİON, ELECTROCHEMİCAL AND ELECTROPHYSİCAL PROPERTİES OF 4,4-DİFLOR-8-(4′-BROMOPHENYL)- 1,3,5,7-TETRAMETHYL-4-BORA-3A,4A-DİAZA-S-İNDACENE (BODIPY)

**Tutar, R. F. Yılmaz, Y. Derin, B. Albayrak, Ö. F. Tutar**

1. REFLECTION OF THE RESULTS OF RESEARCHES CARRIED OUT IN CHEMISTRY AND CHEMICAL TECHNOLOGIES IN SCIENTIFIC PERIODICALS OF GEORGIA

**N. Makhviladze, M. Kopaleishvili, T. Chubinishvili, I. Bedinashvili**

**FUNDAMENTAL AND TECHNOLOGICAL ASPECTS OF PROCESSING OF MINERAL PRODUCT AND SECONDARY RAW MATERIALS**

1. X-RAY AND THERMOCHEMICAL RESEARCH OF MANGANESE CARBONATE ORES AND OBTAINED FROM THEM MANGANESE DIOXIDE

**L. Rokva, D. Dzanashvili, N. Butliashvili, T. Chakhunashvili, T. Machaladze, T. Rokva**

1. SURFACE ELECTROCHEMICAL ALLOYING OF METALS

**N. Gasviani, G. Kipiani, R. Kokilashvili, S. Gasviani, N. Skhiladze, G. Imnadze**

1. HIGH-TEMPERATURE ELECTROCHEMICAL SYNTHESIS OF COMPOSITE COMPOUNDS

**G. Kipiani, N. Gasviani, L. Abazadze, R. Kokilashvili, M. Khutsishvili**

1. THE PRODUCTION OF POTASSIUM PERMANGANATE IN THE FLOW ELECTROLYZER

**V. M. Kveselava**

1. STUDY OF TEMPERATURE DEPENDENCE OF SOME PHYSICAL CHARACTERISTICS OF THERMOSTABLE NICKEL COATINGS ON ALUMINIUM ALLOYS

**T. Marsagishvili, G. Tatishvili, N. Ananiashvili, M. Gachechiladze, J. Metreveli, E. Tskhakaia, M. Matchavariani**

1. EXTRACTION OF GOLD, SILVER AND COPPER FROM ENRICHMENT TAILS OF REBELLIOUS SULFIDE ORES BY BACTERIAL-CHEMICAL METHOD

**N. Lomidze, Z. Arabidze, L. Kartvelishvili, T. Guruli, E. Ukleba, I. Kvatashidze**

1. DEVELOPMENT OF TECHNOLOGY OF GOLD EXTRACTION FROM MADNEULI’S GOLD-BEARING QUARTZITE DEPOSITS

**L. Chochia, L. Kartvelishvili, E. Ukleba**

1. THE IMPROVEMENT OF METHODS FOR PROCESSING OF GOLD-BEARING REFRACTORY SULFIDE ORES AND CONCENTRATES

**Ts. Gagnidze, R. Chagelishvili, N. Khavtasi, M. Nadareishvili**

1. ELECTROCHEMICAL LEACHING OF MANGANESE OXIDE ORES

**E. Chkhikvadze, J. Shengelia, G. Tsurtsumia, V. Tediashvili, S. Shigardelashvili, S. Jeiranashvili**

1. THE NOVEL HYDROELECTROMETALLURGICAL TECHNOLOGY OF JOINT PRODUCTION OF METALLIC MANGANESE AND ITS COMPOUNDS

**G. Tsurtsumia, T. Lezhava, N. Koiava, J. Shengelia, D. Gogoli, L. Beriashvili, E. Kemoklidze,**

**N. Jokhadze**

1. ON THE ALKALI LEACHING BEHAVIOR OF URANIUM FROM ITS ORES

**I. Povar, O. Spinu**

1. CHEMICAL-ENGINEERING PROCESSING OF GEORGIAN MANGANESE-CONTAINING RAW MATERIALS

**T. Chakhunashvili, T. Rokva, Z. Vatsadze**

1. DEVELOPMENT OF TECHNOLOGY AND ANALYSIS OF LOTIONS CONTAINING INGREDIENTS OF BOTTOM MUD OF LAKE KUMISI (GEORGIA)

**K. Mishelashvili, T. Tsintsadze, K. Tsikarishvili, I. Gvelesiani, K. Batsikadze**

1. DEVELOPMENT OF TECHNOLOGY TO PRODUCE THE VITAMIN COMPLEX FROM NATURAL PLANT MATERIALS OF GEORGIA

**L. Targamadze, N. Gelovani, I. Metreveli, I. Gvelesiani, I. Tsomaia**

1. THE STUDY OF MINERAL COMPOSITION OF SULPHIDE SILT PELOIDS SPREAD IN ADJARA REGION BY USING X-RAY PHASE METHOD OF ANALYSIS

**T. Masiukovichi, A. Bakuridze, T. Murtazashvili**

1. PHYSICAL REASON FOR THE FORMATION OF ELECTRICALLY CONDUCTIVE PHASES IN SIDERITE

**V. Sobolev, N. V. Bilan**

1. INFLUENCE OF DIFFERENT TEMPLATES AND SAC ON ZOL-GEL PROCESS OF SYNTHESIS OF NANODISPERSION SILICAS

**Kh. I. Akbarov, F. U. Yunusov, V. G. Kalyadin**

1. MODELING OF SMELTING OF FERROSILICOALUMINUM USING TKIBULI COAL TAILINGS AS RAW MATERIAL

**J. Mosia, G. Nikolaishvili, A. Julukhidze, M. Chumbadze, L. Sigua**

1. THE SYSTEM OF TECHNOLOGICAL CONTROL AND ACCOUNTING OF NATURAL URANIUM AT MINES IN KAZAKHSTAN AS A MODEL FOR MINERAL PROCESSING INDUSTRY

**N. Bokovaya, B. Ibrayev**

1. NATURAL ZEOLITES AS ADSORBENTS FOR CLEANING OF WATERS FROM ARSENIC IONS

**L. Akhalbedashvili, G. Todradze, N. Loria, N. Janashvili, S. Jalaghania**

1. INDIUM PHOSPHIDE QUANTUM DOTS ON GALLIUM PHOSPHIDE

**T. Laperashvili, A. Chanishvili, Sch. Lomitashvili**

1. RESEARCH OF THE ELECTRODE PROCESSES AT SIMULTANEOUS PREPARATION OF MANGANESE DIOXIDE AND HYDROGEN

**T. Rokva, T. Chakhunashvili, D. Dzanashvili, N. Butliashvili**

1. STUDY OF EXTRACTION OF ARSENIC AND GOLD FROM ARSENOPYRITE ORES BY HYDROMETALLURGICAL METHOD

**T. Tsilosani, I. Kakhniashvili, L. Chkhikvadze, Z. Svanidze, G. Gorelishvili, N. Vacheishvili**

1. ELABORATION THE TECHNOLOGY FOR PRODUCTION FINE-GRAINED STRUCTURE POWDER COMPOSITES BN, B4C AND BXCYNZ IN B-C-N SYSTEM BY SHS METHOD

**Z. Aslamazashvili, G. Zakharov, G. Mikaberidze, M. Chikhradze, G. Tavadze, G. Oniashvili**

1. OBTAINING OF SUPERCONDUCTING MgB2 COMPOSITES BY SHOCK WAVE CONSOLIDATION IN HOT CONDITION

**A. Dgebuadze, V. Peikrishvili, B. Godibadze, M. Tsiklauri, E. Chagelishvili, A. Peikrishvili and G. Maniashvili**

1. OBTAINING OF MAGNESIUM – AMMONIUM ARSENATE (V) FROM FACTORY WASTE DISPOSALS

**I. Laferashvili, M. Kekenadze, M. Rusia**

1. THE POSSIBILITY OF OBTAINING GOLD FROM PYROMETALLURGIC WASTES

**M. Kekenadze, I. Laferashvili, M. Rusia, M. Gverdtsiteli**

1. ELABORATION AND IMPLEMENTATION OF ELECTROLYTIC MANGANESE DIOXIDE RECEIPT TECHNOLOGY

**T. Chakhunashvili, T. Rokva, Zh. Kebadze**

1. STUDY OF THE MECHANICAL AND ELECTRICAL PROPERTIES OF HOT EXPLOSIVELY CONSOLIDATED NANOSTRUCTURED Cu-W COMPOSITES

**I. Mamniashvili, A. Peikrishvili, G. Godibadze, E. Chagelishvili, T. Gegechkori, M. Tsiklauri**