

Plenary Lectures

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Pl1 Prof. Jan C. Eriksson, Royal Institute of Technology, Stockholm, Sweden.

COMMENTS ON THE CAUSE OF THE HYDROPHOBIC ATTRACTION

Pl2 Prof. Mikhail A. Anisimov, University of Maryland, USA.

DUALITY OF HYDROTROPES IN SOLUTION AND AT INTERFACE

Pl3 Prof. Vladimir F. Razumov, Institute of Problems of Chemical Physics of Russian Academy of Sciences, Moscow, Russia

STATISTICAL THERMODYNAMICS OF WATER-IN-OIL MICROEMULSIONS

Pl4 Prof. Alexander K. Shchekin, Saint-Petersburg State University, Saint-Petersburg, Russia

KINETIC THEORY OF THE NUCLEATION STAGE FOR MULTICOMPONENT DROPLETS AND BUBBLES

Pl5 Prof. Toyoko Imae, Taiwan National University of Science and Technology, Taipei, Taiwan

DISPERSION OF NANOPARTICLES IN GELS OF SUGAR POLYMERS

Pl6 Prof. Alexander I. Malkin, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry, Russian Academy of Sciences

WHAT IS THE REHBINDER EFFECT (to 90th anniversary of the discovery)

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1-st section "Theoretical problems of colloid chemistry"  
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Keynote

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IK1 G.Y. Gor

ADSORPTION-INDUCED MECHANICAL STRESSES: EFFECTS ON THE SOLID AND ON THE FLUID

IK2 K. Koga

SOLVATION OF HYDROPHOBIC PARTICLES IN AQUEOUS SOLUTION AND SOLVENT-MEDIATED INTERACTIONS VARYING WITH TEMPERATURE, PRESSURE, AND SALT CONCENTRATION

IK3 A.I. Rusanov

CMC FOR MULTI-CHARGED IONICS

IK4 Yu.K. Tovbin

SMALL SYSTEMS AND FUNDAMENTALS OF THERMODYNAMICS

Oral

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IO1 S.V. Amel'kin

LIQUID LAYER ON HETEROGENEOUS SUBSTRATES, SURFACE CAVITATION AND NANOBUBBLES

IO2 D.I. Beketova

CRYSTALLIZATION OF WATER-SOLUBLE INORGANIC SALTS IN NaAOT MICROEMULSIONS

IO3 A.N. Filippov

HYDRODYNAMIC PERMEABILITY OF CHARGED MEMBRANE: THE CELL MODEL

IO4 I.S. Flyagina\*, A.I. Malkin, S.P. Dolin

QUANTUM-CHEMICAL SIMULATION OF THE ADSORPTION INDUCED REDUCTION OF STRENGTH OF SILICA

IO5 A.A. Kuchierskaya\*, A.A. Novikov, A.P. Semenov, M.A. Anisimov

EFFECTS OF HYDROTROPES ON LIQUID-LIQUID WATER-OIL EQUILIBRIA

IO6 A.V. Nevidimov\*, V.F. Razumov

EFFECT OF STABILIZING LIGANDS ON THE DIPOLE-DIPOLE INTERACTIONS OF COLLOIDAL QUANTUM DOTS OF CADMIUM SELENIDE:  
A MOLECULAR DYNAMICS STUDY

IO7 A.A. Novikov\*, M.V. Gorbachevskiy, D.S. Kopitsyn, M.S. Kotelev, E.V. Ivanov, V.A. Vinokurov

AGGREGATED GOLD NANOPARTICLES DEMONSTRATE INCREASED SURFACE-ENHANCED RAMAN SCATTERING ACTIVITY IN PRESENCE OF  
HYDROGEN PEROXIDE

IO8 A.V. Redkov\*, A.V. Osipov, S.A. Kukushkin

GROWTH OF A MULTICOMPONENT CRYSTAL DUE TO CHEMICAL REACTION: THE MODEL

IO9 A.P. Semenov\*, A.A. Kuchierskaya, A.A. Novikov, M.A. Anisimov

EFFECTS OF TEMPERATURE ON INTERFACIAL TENSION AND CRITICAL PHENOMENA IN THE TERNARY SYSTEM OF WATER - TERT-  
BUTANOL - CYCLOHEXANE

IO10 N.O. Shaparenko\*, M.G. Demidova, D.I. Beketova, A.I. Bulavchenko

INFLUENCE OF AOT MICROEMULSIONS COMPOSITION ON HYDRODYNAMIC DIAMETER AND ELECTROPHORETIC MOBILITY OF TiO<sub>2</sub> NANOPARTICLES

IO11 S.A. Tovstun  
THEORY OF SIZE-SELECTIVE PRECIPITATION

IO12 A. Vishnyakov\*, K.P. Santo, A.V. Neimark, E. Brun  
BUILDING THEORETICAL FOUNDATIONS OF NANOPARTICLE CHROMATOGRAPHY WITH MESOSCALE SIMULATIONS

Poster  
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IP1 S.V. Amel'kin  
COOPERATIVE DYNAMICS IN BOUNDARY LAYERS OF POOR GLASS-FORMING LIQUIDS AND THE REHBINDER EFFECT

IP2 I.A. Babintsev\*, A.K. Shchekin, L.Ts. Adzhemyan  
NUMERICAL SOLUTION OF BECKER-DÖRING EQUATIONS AND GENERALIZED SMOLUCHOWSKI EQUATIONS WITH CYLINDRICAL MICELLES

IP3 G. Kurmangazhi\*, A. Sydykova, S. Tazhibayeva, K. Musabekov, V. Kulichichin, L. Ermakova  
ADSORPTION OF KAZKAINA ON MAGNETIC COMPOSITES OF BENTONITE

IP4 T.G. Movchan\*, A.I. Rusanov, E.V. Plotnikova  
DIFFUSION OF NON-IONIC SURFACTANTS IN AQUEOUS MICELLAR SOLUTIONS

IP5 V.V. Sizov\*, A.A. Sizova, I.V. Kopanichuk, E.N. Brodskaya  
MOLECULAR DYNAMICS SIMULATIONS OF OIL MOBILITY IN POROUS SILICA IN THE PRESENCE OF WATER AND SURFACTANTS

IP6 A.A. Sizova\*, V.V. Sizov, E.N. Brodskaya  
MOLECULAR DYNAMICS SIMULATION OF THE DECOMPOSITION OF GAS HYDRATE NANOCCLUSERS

IP7 D.Yu. Sychev\*, E.V. Golikova  
REVERSIBLE COAGULATION OF MONODISPERSE SILICA SOL IN ENERGY MINIMA OF RESTRICTED DEPTH

In absentia  
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IA1 A.S. Novikov\*, A.S. Mikherdov  
INTRAMOLECULAR O···CL CHALCOGEN BONDING IN BINUCLEAR (DIAMINOCARBENE)Pd(II) COMPLEX

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2-nd section "Wetting, spreading and thin films"  
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Keynote  
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IIK1 L.-J. Chen\*, S.Y. Lin, K.C. Yang, T.Y. Hu, K.H. Cho  
EFFECT OF SURFACE HYDROPHOBICITY AND PARTICLE SIZE ON THE COFFEE RING FORMATION

IIK2 A.I. Zvyagina, I.N. Meshkov, A.A. Shiryaev, A.E. Baranchikov, V.V. Chernyshev, Yu.Yu. Enakieva, A.A. Ezhov, D.A. Grishanov, V.V. Arslanov, M.A. Kalinina\*  
SELF-ASSEMBLY OF PORPHYRIN-BASED SURMOF FILMS DIRECTED BY GRAPHENE OXIDE TEMPLATES

IIK3 V.G. Kulichikhin\*, A.Ya. Malkin  
SPREADING OF POLYMER SOLUTIONS AND EMULSIONS ON LIQUID SURFACES

IIK4 O. SHIBATA\*, H. Nakahara, M. Hagimori, T. Mukai  
LANGMUIR MONOLAYERS OF A TETRAZINE-CONTAINING GEMINI AMPHIPHILE WITH BIOMEMBRANE LIPIDS

Oral  
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IIO1 V.V. Arslanov\*, E.V. Ermakova, M.A. Kalinina  
MULTIFUNCTIONAL BILAYER TEMPLATES FOR GROWTH AND ALIGNMENT OF THIN HYBRID FILMS

IIO2 E.V. Ermakova\*, E.O. Koroleva, A.G. Bessmertnykh-Lemeune, V.V. Arslanov  
THIN-FILM OPTICAL SENSORS BASED ON "PUSH-PULL" PORPHYRINS FOR THE DETECTION OF MERCURY CATIONS IN AQUEOUS SOLUTIONS

IIO3 V.A. Kuvshinov\*, L.K. Altunina

ADHESION MODEL FOR DISPLACEMENT OF RESIDUAL OIL BY SURFACTANT SOLUTION

IIO4 I.N. Meshkov\*, M.S. Nickolsky, A.I. Zvyagina, A.G. Nugmanova, A.A. Shiryaev, Yu.Yu. Enakieva, V.V. Arslanov, M.A. Kalinina

APPLICATION OF D'YAKONOV METHOD TOWARDS LAYERED HIGHLY ORDERED THIN FILMS

IIO5 P.V. Protsenko\*, V.V. Korolev

CONTACT ANGLE IN NON-REACTIVE LIQUID METAL / SOLID METAL SYSTEMS

IIO6 N.A. Stepashkin\*, N.S. Ivanov, N.G. Sukhodolov

ELECTROCHEMICAL AND SURFACE PROPERTIES OF LANGMUIR-BLODGETT FILMS CONTAINING COBALT HEXACYANOFERRATE NANOPARTICLES

IIO7 D.V. Tatyanaenko\*, A.K. Shchekin

EFFECTS OF ADSORPTION AND LINE TENSION ON CONTACT ANGLE OF LIQUID RIDGES AND SESSILE DROPLETS: THERMODYNAMICS AND AN INTERFACE DISPLACEMENT MODEL

IIO8 M. Tomoaia-Cotisel

ADVANCED INNOVATIVE SCAFFOLDS MADE BY SELF-ASSEMBLED FILMS OF BIOMATERIAL NANOPARTICLES FOR CELL CULTURE APPLICATIONS

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IIO9 I.U. Vakarelski\*, R. Manica, D.Y.C. Chan, S.T. Thoroddsen

COALESCENCE DYNAMICS OF MOBILE AND IMMOBILE FLUID INTERFACES

IIO10 A.I. Zvyagina\*, A.A. Ezhov, I.N. Meshkov, V.K. Ivanov, K.P. Birin, B. König, Yu.G. Gorbunova, V.V. Arslanov, M.A. Kalinina

PLASMON RESONANCE-ENHANCED ABSORPTION OF VISIBLE LIGHT IN ULTRATHIN HYBRID FILMS OF ORGANIC DYES AND GOLD NANOPARTICLES

Poster

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IIP1 E.V. Ermakova\*, M.A. Kalinina, V.V. Arslanov

BILAYER PORPHYRIN-GRAPHENE TEMPLATES FOR SELF-ASSEMBLY OF METAL-ORGANIC FRAMEWORKS

IIP2 N.E. Esipova\*, S.V. Itskov

SESSILE 1-PROPANOL-WATER MICRO-DROPLET EVAPORATION DYNAMICS AT DIFFERENT AMBIENT HUMIDITY

IIP3 N.S. Ivanov\*, N.G. Sukhodolov, V.D. Khripun, N.V. Shcherbakov  
LANGMUIR-BLODGETT FILMS CONTAINING POLYOXOMETALATE BASED ON MOLYBDENUM AND VANADIUM

IIP4 A.A. Mikheev\*, A.E. Kuchma, N.E. Esipova, A.K. Shchekin, S.V. Itskov  
EVAPORATION DYNAMICS OF A BINARY SESSILE DROPLET: AQUEOUS MIXTURES WITH SULFURIC ACID AND ALCOHOLS

IIP5 W. Nowicki  
THE COUPLED MAP LATTICE MODEL OF THIN LIQUID FILM RUPTURE

IIP6 O. SHIBATA\*, R. Kawata, H. Nakahara  
LANGMUIR MONOLAYER PROPERTIES OF PARTIALLY PERFLUORINATED ALCOHOL WITH F-DPPC AT THE AIR-WATER INTERFACE

IIP7 D.V. Shmeliova\*, S.V. Pasechnik, S.S. Kharlamov  
CAPILLARY RISE OF NEMATIC LIQUID CRYSTALS, CONFINED BY PHOTO SENSITIVE SURFACES

IIP8 I.G. Simakov\*, C.Z. Gulgenov, S.B. Bazarova  
DIELECTRIC PROPERTIES DYNAMICS OF ADSORBED WATER IN THE LAYER FORMATION PROCESS

IIP9 K.A. Timoshen\*, A.V. Akentiev, N.A. Charykov, G. Loglio, R. Miller, K.N. Semenov, B.A. Noskov  
DYNAMIC SURFACE PROPERTIES OF C60-ARGININE AND C60-L-LYSINE AQUEOUS SOLUTIONS

IIP10 A.I. Zvyagina\*, E.K. Melnikova, A.A. Averin, A.E. Baranchikov, A.R. Tameev, V.V. Malov, A.A. Ezhov, D.A. Grishanov, E.V. Ermakova, V.V. Arslanov, M.A. Kalinina  
MICROWAVE-ASSISTED REDUCTION OF MONOLAYERS OF GRAPHENE OXIDE ON SOLIDS

In absentia  
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IIA1 D.V. Dzardanov\*, V.V. Visotskiy, I.A. Polunina  
COMPARISON OF STRUCTURE OF SEDIMENTS FORMED AFTER GRAMINICIDE EMULSION DROPLETS EVAPORATION USING ELECTRON MICROSCOPY

IIA2 I.F. Shaimukhametova\*, S.A. Bogdanova, G.P. Belov, O.N. Golodkov, S.R. Allayarov  
SURFACE FREE ENERGY OF NEW FUNCTIONAL POLYMERS

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3-rd section "Physicochemical mechanics and rheology of disperse systems"  
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Keynote  
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IIIK1 A.G. Bykov\*, G. Loglio, R. Miller, B.A. Noskov  
DYNAMIC SURFACE ELASTICITY OF PULMONARY SURFACTANT SOLUTIONS AT LOW SURFACE TENSIONS

IIIK2 Z. Skvortsova\*, V. Traskine, Ya. Simonov  
METHODS FOR CONTROLLING PRESSURE SOLUTION RATE

Oral  
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IIIO1 A.V. Akentiev\*, S.-Y. Lin, B.A. Noskov  
THE FILMS OF POLY(-N-ISOPROPYLACRYLAMIDE) NANOPARTICLES ON THE WATER SURFACE STUDIED BY SURFACE RHEOLOGY

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IIIO2 D. Artykova\*, B. Tyusupova, S. Tazhibaeva, K. Musabekov  
INVESTIGATION OF RHEOLOGICAL PROPERTIES OF CERAMIC PASTES FROM KOSKUDYK KAOLINITE

IIIO3 O.A. Chikova\*, V.V. V'yukhin, A.N. Konstantinov  
VISCOSITY IS A STRUCTURALLY SENSITIVE PROPERTY OF METALLIC MELTS

IIIO4 T.S. Dembelova \*, D.N. Makarova, B.B. Badmaev  
RHEOLOGICAL PROPERTIES OF COLLOID SUSPENSIONS OF NANOPARTICLES

IIIO5 E.A. Kirsanov  
THE STRUCTURAL APPROACH TO RHEOLOGY OF DISPersed SYSTEMS

IIIO6 V.V. Korolev\*, Ya.V. Kucherinenko, P.V. Protsenko  
THE ROLE OF TORQUE TERMS IN CAPILLARY EQUILIBRIUM ALONG TRIPLE JUNCTIONS IN POLYCRYSTALLINE COPPER

IIIO7 M.M. Krycki\*, B.A. Noskov, S.-Y. Lin

DYNAMIC SURFACE PROPERTIES OF MYOGLOBIN AQUEOUS SOLUTIONS: INFLUENCE OF GUANIDINE HYDROCHLORIDE AND IONIC SURFACTANTS

IIIO8 C.I. Mendoza

A SEMIEMPIRICAL EXPRESSION FOR THE EFFECTIVE VISCOSITY OF MULTICOMPONENT SUSPENSIONS

IIIO9 O.Yu. Milyaeva\*, R. Miller, B.A. Noskov

DYNAMIC SURFACE PROPERTIES OF THE SOLUTIONS OF COMPLEXES BETWEEN LYSOZYME AND SILICA NANOPARTICLES

IIIO10 V.S. Molchanov\*, V.A. Pletneva, O.E. Philippova

STIMULI-RESPONSIVE WORMLIKE MICELLES/PARTICLES SOFT NANOCOMPOSITES

IIIO11 B.V. Pokidko\*, F.V. Apekova, D.V. Proskurin, M.Y. Pletnev

STRUCTURING CLAY/POLYMER DISPERSIONS: THE EFFECT OF ELECTROLITE

IIIO12 A.V. Shibaev\*, D.A. Muravlev, D.Yu. Mityuk, O.E. Philippova

PROPERTIES OF XANTHAN HYDROGELS CROSS-LINKED BY METAL IONS

IIIO13 A.K. Shukla\*, R.M.V.G.K. Rao

NOVEL EPOXY POLYELECTROLYTES - STUDY OF ION-EXCHANGE BEHAVIOUR AND ELECTRO-PHORETIC DEPOSITION OF NANO-COMPOSITES FROM AQUEOUS DISPERSION

Poster

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IIIP1 S.M. Asadov\*, A.A. Akhundov, D.B. Tagiyev

NUMERICAL MODELING OF TRANSPORT EFFECTS IN HETEROGENEOUS PROCESSES INVOLVING CYCLIC HYDROCARBONS

IIIP2 E.M. Berezina\*, I.A. Berezina, A.V. Ilyushnikov, V.N. Manzhay

ANTI-TURBULENT EFFICIENCY OF POLYMER SOLUTIONS AND COLLOIDAL SYSTEMS

IIIP3 A.G. Bykov\*, M. Ferrari, V.I. Kovalchuk, J. Krägel, L. Liggieri, G. Loglio, R. Miller, B.A. Noskov, P. Pandolfini, F. Ravera, E. Santini

INTERFACIAL TENSION AND DILATIONAL VISCOELASTICITY OF MIXED ADSORPTION LAYERS AT THE n-HEXANE/WATER INTERFACE: EXPERIMENTS IN MICROGRAVITY CONDITIONS



- IIIP4 I.B. Dmitrieva\*, E.Yu. Pavlova, P.A. Vasilyeva  
INFLUENCE OF THE COMPOSITION OF DISPERSION ON RHEOLOGICAL PROPERTIES OF CARBOHEL
- IIIP5 Ju. Elistratova\*, B. Akhmadeev, A. Gubaidullin, M.A. Shestopalov, A. Solovieva, K. Brylev, K. Kholin, I. Nizameev, I. Ismaev, M. Kadirov, A. Mustafina  
STRUCTURE OPTIMIZATION FOR ENHANCED LUMINESCENT AND PARAMAGNETIC PROPERTIES OF HYDROPHILIC NANOMATERIAL BASED ON HETEROMETALLIC Gd-Re COMPLEXES
- IIIP6 O.Yu. Kolosova\*, D.A. Michurov, V.I. Lozinsky  
INFLUENCE OF CHAOTRIPC ADDITIVES ON THE PROPERTIES OF POLY(VINYL ALCOHOL) CRYOGELS FORMED IN DIMETHYLSULFOXIDE MEDIA
- IIIP7 A.I. Barabanova, A.L. Kwiatkowski\*, V.S. Molchanov, O.E. Philippova, A.R. Khokhlov  
SMART NANOCOMPOSITES WITH TUNABLE ELASTOMERIC MATRIX
- IIIP8 E. Lebedeva\*, I. Perevyazko, Yu. Martakova, I. Martakov, M. Torlopov, N. Tsvetkov  
MOLECULAR CHARACTERISTICS OF NANOCRYSTALLINE CHITIN SOLS AND HYBRIDS WITH SILICON OXIDE NANOPARTICLES
- IIIP9 V.A. Lomovskoy\*, N.A. Abaturova, N.Yu. Lomovskaya, T.B. Galushko, N.V. Nekrasova  
RELAXATION PHENOMENAE IN FILM MATERIALS OF CHITOSAN OF VARIOUS CHEMICAL FORMS
- IIIP10 M.V. Mavletov\*, I.M. Iksanov, A.A. Valiev  
RHEOLOGICAL PROPERTIES OF HYDRAULIC FRACTURING FLUIDS
- IIIP11 W. Nowicki  
SEGREGATION OF RING POLYELECTROLYTES UNDER NANOCONFINEMENT
- IIIP12 Zh. Ospanova\*, S.B. Aidarova, Kang Wangli  
THE EMULSIFYING POWER OF COMPOSITIONS SURFACTANT WITH SODIUM CARBOXYMETHYL CELLULOSE
- IIIP13 E.A. Podorozhko\*, V.G. Vasiliev, V.I. Lozinsky  
INTERRELATION OF THE PROPERTIES OF SUSPENSIONS CONTAINING PARTICLES WITH DIFFERENT NATURE/POROSITY DISPERSED IN PVA SOLUTION AND THE CHARACTERISTICS OF THE CRYOGELS FORMED FROM SUCH SUSPENSIONS
- IIIP14 E.V. Porodenko\*, O.A. Soboleva  
MECHANICAL AND SURFACE PROPERTIES OF THE COMPOSITE FILMS BASED ON DETONATION NANODIAMONDS AND POLYACRYLONITRILE

IIIP15 A.A. Ryazantseva\*, V.A. Klyuev, A.I. Malkin, V.I. Savenko  
PHYSICOCHEMICAL MECHANICS OF SYNTHESIS OF COMPOSITE POWDERS "Al-2B"

IIIP16 Y.I. Supolova\*, I.V. Postnova, Y.A. Shchipunov  
FILMS AND AEROGELS OF HYDROXYETHYLCELLULOSE

IIIP17 A.D. Ermagambetova, B.B. Tyusyupova, S.M. Tazhibayeva\*, Zh.A. Lakhbayeva, K.B. Musabekov, D.M.-K. Artykova  
OBTAINING AND PROPERTIES OF BIODEGRADABLE FILMS BASED ON POLYSACCHARIDES

IIIP18 J.H. Trivedi  
Synthesis, Characterization and Swelling Behaviour of Superabsorbent Hydrogel from Sodium Alginate-g-PAN

IIIP19 L.E. Trofimova  
ANALYSIS OF PROCESSES OF STRUCTURE FORMATION OF DISPERSE SYSTEMS IN THE CASE OF SHEAR DEFORMATION

In absentia

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IIIA1 E.E. Ramazanova, M.M. Asadov\*, E.N. Aliev  
AGGREGATION MODELS OF ASPHALTENES IN HEAVY OIL

IIIA2 A.N. Bezrukov  
DESIGN AND FABRICATION OF MICROFLUIDIC CHIPS FOR POLYMER-SURFACTANT COMPLEXES

IIIA3 N.Yu. Bykova\*, E.V. Zhirnova, V.Ya. Chernyh  
INFLUENCE OF THE TITRATABLE ACIDITY OF RYE SEMI-FINISHED PRODUCTS ON CHANGING THEIR RHEOLOGICAL AND BIOTECHNOLOGICAL PROPERTIES

IIIA4 E.V. Korobko\*, L.I. Ivanova, L.S. Eshchenko, Z.A. Novikova, K.S. Novik  
NANOCRYSTALLINE ALUMINUM ORTHOPHOSPHATE AS ELECTROSENSITIVE DISPERSED PHASE FOR SUSPENSIONS WITH THERMOSTABLE ELECTORRHEOLOGICAL CHARACTERISTICS

IIIA5 E.V. Kotlyarski\*, N.B. Uriev, V.I. Kochnev

RATIONING OF TECHNOLOGICAL PROPERTIES OF ASPHALT MIXES ON THE BASIS OF ANALYSIS OF THEIR STRUCTURAL AND MECHANICAL PROPERTIES

IIIA6 I.S. Mikhalovsky\*, M.P. Matveyko, V.N. Babodey, S.E. Tomashevich  
GLYCERIDE-CARRAGEENAN NANOSOMAL SYSTEMS FOR HYDROPHOBIC VITAMINS USE

IIIA7 I.V. Milaeva\*, S.Yu. Zaitsev, M.S. Tsarkova  
SURFACE TENSION OF GOAT MILK DEPENDING ON LACTATION DAY

IIIA8 M.N. Shaposhnikov\*, A.A. Volnin  
IMMOBILIZATION OF PROTEOLYTIC ENZYMES ON AGAROSE SURFACE AND DETERMINATION OF PROTEOLYTIC ACTIVITY OF IMMOBILIZED ENZYMES

IIIA9 N.N. Sheveleva\*, D.A. Markelov  
ORIENTATIONAL MOBILITY OF SIDE FRAGMENTS IN PEPTIDE DENDRIMERS

IIIA10 L.M. Trufakina\*, E.M. Berezina  
POLYMER COMPOSITES WITH NANOPARTICLES

IIIA11 N.B. Uriev\*, V.I. Kochnev  
ASPHALT WITH NANO DISPERSE AND POLYMER COMPONENTS

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4-th section "Surfactants (IV Russian symposium on surfactants included)"  
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Keynote  
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IVK1 B. Noskov\*, S.-Y. Lin, G. Loglio, R. Miller, O. Milyaeva, M. Krycki  
DYNAMIC PROPERTIES OF PROTEIN/SURFACTANT ADSORPTION LAYERS

IVK2 K.A. Emelyanova, A.I. Victorov\*  
MOLECULAR-THERMODYNAMIC MODEL FOR DESCRIBING CHEMICAL EQUILIBRIUM AND MORPHOLOGY TRANSITIONS IN MICELAR SOLUTIONS

IVK3 L.Ya. Zakharova  
SELF-ASSEMBLING STRATEGY FOR THE FABRICATION OF POLYFUNCTIONAL NANOSYSTEMS BASED ON SURFACTANTS

Oral  
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IVO1 M. Ahlskog  
NANOCARBON SURFACES AND PHYSISORPTION OF AVIDIN PROTEIN

IVO2 L.K. Altunina\*, V.A. Kuvshinov, L.A. Stasyeva, I.V. Kuvshinov  
OIL-DISPLACING SYSTEMS BASED ON SURFACTANTS AND COMPLEX COMPOUNDS TO ENHANCE OIL RECOVERY OF HEAVY OILS

IVO3 A. Bhadani\*, K. Sakai, H. Sakai, M. Abe  
SYNTHESIS AND EVALUATION OF SUSTAINABLE SURFACTANTS BASED ON RENEWABLE BUILDING BLOCKS

IVO4 Yu.G. Bogdanova\*, V.D. Dolzhikova, V.G. Sergeyev  
INFLUENCE OF SURFACTANTS ON WATER SORPTION OF NAFION MEMBRANES

IVO5 E.N. Brodskaya\*, I.V. Kopanichuk, A.A. Vanin  
MOLECULAR DYNAMICS SIMULATION STUDY OF SALT INFLUENCE ON ELECTRICAL PROPERTIES OF MICELLES

IVO6 Y.-Ch. Su, Ch.-H. Chang\*  
PHYSICAL PROPERTIES OF CATIONIC VESICLE AND PACKING CHARACTERISTICS OF VESICULAR BILAYER FORMED OF A TRIHEXADECYL-CHAINED ION PAIR AMPHIPHILE WITH CHOLESTEROL

IVO7 O.V. Dement'eva\*, K.A. Naumova, S.K. Zhigletsova, M.V. Klykova, A.N. Somov, I.A. Dunaitsev, T.B. Roumyantseva, V.M. Rudoy  
SURFACE ACTIVE DRUGS AS TEMPLATING AGENTS AT SOL-GEL SYNTHESIS OF MESOPOROUS SILICA NANOCONTAINERS

IVO8 D.R. Gabdrakhmanov\*, D.A. Samarkina, E.A. Vasilieva, F.G. Valeeva, I.Yu. Strobykina, V.E. Kataev, L.Ya. Zakharova  
AMPHIPHILIC AMMONIUM AND PHOSPHONIUM DERIVATIVES OF ISOSTEVIOL: FROM AGGREGATION BEHAVIOR TO BIOTECHNOLOGICAL POTENTIAL

IVO9 M.A. Gradova\*, O.V. Gradov, A.V. Lobanov

THE INFLUENCE OF SURFACTANTS ON PHOTOPHYSICAL PROPERTIES AND PHOTODYNAMIC ACTIVITY OF PORPHYRIN-BASED PHOTOSENSITIZERS

IVO10 Z. Zhang, Z. Gao, J. Hao\*  
ENGINEERING HYDROGELS FROM THE SIMPLE CHEMICALS

IVO11 R.R. Kashapov\*, A.Y. Ziganshina, J.S. Razuvayeva, T.Y. Sergeeva, S.S. Lukashenko, L.Y. Zakharova  
SUPRAMOLECULAR SELF-ASSEMBLY OF CALIX[4]RESORCINOL-BASED AMPHIPHILES

IVO12 A.L. Kwiatkowski\*, V.S. Molchanov, O.E. Philippova  
HYBRID WORMLIKE MICELLES OF ANIONIC SURFACTANT EMBEDDED WITH HYDROPHOBIC POLYMER

IVO13 N.I. Malek  
CHOLESTEROL INDUCED MICELLAR TRANSITION IN THE ESTER FUNCTIONALIZED IONIC LIQUID BASED SURFACTANT

IVO14 E.K. Oikonomou\*, N. Christov, G. Cristobal, C. Bourgaux, L. Heux, J.-F. Berret  
DESIGN OF ECO-FRIENDLY FABRIC SOFTENERS CONTAINING GUAR POLYMERS: PHYSICOCHEMICAL PROPERTIES AND DEPOSITION ON NANO- AND MICROCELLULOSE FIBERS

IVO15 E.A. Safonova\*, A.S. Koneva, I.V. Smirnova  
SOLUBILIZATION PHENOMENA IN BIPHASIC OR HOMOGENOUS AQUEOUS SOLUTIONS OF NONIONIC SURFACTANTS. EFFECTS OF ADDITIVES' NATURE AND OF SOLUTES' STRUCTURE

IVO16 O.A. Soboleva  
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