

V INTERNATIONAL CONFERENCE ON COLLOID CHEMISTRY AND PHYSICOCHEMICAL MECHANICS

MONDAY, SEPTEMBER 10
Birzhevaya Liniya, 6

15:00-18:00 Registration
18:00-20:00 Welcome party

TUESDAY, SEPTEMBER 11
Mendeleevskaya Liniya, 5

9:00-10:00	Registration		Hall 45
10:00-10:20	Opening of the Conference	<i>Chair: Anatoly Rusanov</i>	Hall 45
10:20-11:00	Plenary Lecture 1. COMMENTS ON THE CAUSE OF THE HYDROPHOBIC ATTRACTION	Prof. Jan C. Eriksson	Hall 45
1st Section "Theoretical problems of colloid chemistry"			
			<i>Chair: Jan C. Eriksson</i>
11:10-11:40	Key Lecture CMC FOR MULTI-CHARGED IONICS	A.I. Rusanov	Hall 45
11:40-12:00	LIQUID LAYER ON HETEROGENEOUS SUBSTRATES, SURFACE CAVITATION AND NANOBUBBLES	S.V. Amel'kin	Hall 45
12:00-12:20	Coffee break		
1st Section "Theoretical problems of colloid chemistry"			
			<i>Chairs: Anatoly Filippov and Alexander Malkin</i>
12:20-12:40	CRYSTALLIZATION OF WATER- SOLUBLE INORGANIC SALTS IN NaAOT MICROEMULSIONS	D.I. Beketova	Hall 45
12:40-13:00	QUANTUM-CHEMICAL SIMULATION OF THE ADSORPTION INDUCED REDUCTION OF STRENGTH OF SILICA	I.S. Flyagina, A.I. Malkin, S.P. Dolin,	Hall 45
13:00-13:20	EFFECTS OF HYDROTROPES ON LIQUID-LIQUID WATER-OIL EQUILIBRIA	A.A. Kuchierskaya, A.A. Novikov, A.P. Semenov, M.A. Anisimov	Hall 45
13:20-13:40	AGGREGATED GOLD NANOPARTICLES DEMONSTRATE INCREASED SURFACE- ENHANCED RAMAN SCATTERING ACTIVITY IN PRESENCE OF HYDROGEN PEROXIDE	A.A. Novikov, M.V. Gorbachevskiy, D.S. Kopitsyn, M.S. Kotelev, E.V. Ivanov, V.A. Vinokurov	Hall 45
2nd Section "Wetting, spreading and thin films"			
			<i>Chair: Li-Jen Chen</i>
11:10-11:40	Key Lecture LANGMUIR MONOLAYERS OF A TETRAZINE-CONTAINING GEMINI AMPHIPHILE WITH BIOMEMBRANE LIPIDS	O. Shibata, H. Nakahara, M. Hagimori, T. Mukai	Room 25
11:40-12:00	CONTACT ANGLE IN NON-REACTIVE LIQUID METAL / SOLID METAL SYSTEMS	P.V. Protsenko, V.V. Korolev	Room 25
12:00-12:20	Coffee break		
2nd Section "Wetting, spreading and thin films"			
			<i>Chairs: Kenichiro Koga and Maria Kalinina</i>
12:20-12:50	Key Lecture EFFECT OF SURFACE	L.-J. Chen, S.Y. Lin, K.C. Yang, T.Y. Hu, K.H. Cho,	Room 24

	HYDROPHOBICITY AND PARTICLE SIZE ON THE COFFEE RING FORMATION		
12:50-13:10	EFFECTS OF ADSORPTION AND LINE TENSION ON CONTACT ANGLE OF LIQUID RIDGES AND SESSILE DROPLETS: THERMODYNAMICS AND AN INTERFACE DISPLACEMENT MODEL	D.V. Tatyanyanenko, A.K. Shchekin	Room 24
13:10-13:30	ADHESION MODEL FOR DISPLACEMENT OF RESIDUAL OIL BY SURFACTANT SOLUTION	V.A. Kuvshinov, L.K. Altunina,	Room 24
13:30-13:50	MULTIFUNCTIONAL BILAYER TEMPLATES FOR GROWTH AND ALIGNMENT OF THIN HYBRID FILMS	V.V. Arslanov, E.V. Ermakova, M.A. Kalinina,	Room 24
4th Section "Surfactants (IV Russian symposium on surfactants included)"			
<i>Chair: Natalia Zadymova</i>			
11:10-11:40	Key Lecture DYNAMIC PROPERTIES OF PROTEIN/SURFACTANT ADSORPTION LAYERS	B. Noskov, S.-Y. Lin, G. Loglio, R. Miller, O. Milyaeva, M. Krycki	Room 25
11:40-12:00	SYNTHESIS AND EVALUATION OF SUSTAINABLE SURFACTANTS BASED ON RENEWABLE BUILDING BLOCKS	A. Bhadani, K. Sakai, H. Sakai, M. Abe	Room 25
12:00-12:20	Coffee break		
4th Section "Surfactants (IV Russian symposium on surfactants included)"			
<i>Chair: Zoya Skvortsova and Vladimir Razumov</i>			
12:20-12:50	Key Lecture SELF-ASSEMBLING STRATEGY FOR THE FABRICATION OF POLYFUNCTIONAL NANOSYSTEMS BASED ON SURFACTANTS	L.Ya. Zakharova	Room 25
12:50-13:10	DESIGN OF ECO-FRIENDLY FABRIC SOFTENERS CONTAINING GUAR POLYMERS: PHYSICOCHEMICAL PROPERTIES AND DEPOSITION ON NANO- AND MICROCELLULOSE FIBERS	E.K. Oikonomou, N. Christov, G. Cristobal, C. Bourgaux, L. Heux, J.-F. Berret	Room 25
13:10-13:30	MOLECULAR DYNAMICS STUDY OF STRUCTURAL AND TRANSPORT PROPERTIES OF IONIC MICELLAR SOLUTIONS IN SIMULATION BOXES OF DIFFERENT SIZE	N.A. Volkov, A.K. Shchekin,	Room 25
13:30-13:50	NANOCARBON SURFACES AND PHYSISORPTION OF AVIDIN PROTEIN	M. Ahlskog	Room 25
Lunch Time			
15:30-16:10	Plenary Lecture 2 DUALITY OF HYDROTROPES IN SOLUTION AND AT INTERFACE	Prof. Mikhail A. Anisimov, University of Maryland (USA), <i>Chair: Alexander Malkin</i>	Hall 45
3rd Section "Physicochemical mechanics and rheology of disperse systems"			
<i>Chair: Valeriy Kulichikhin</i>			
16:20-16:50	Key Lecture METHODS FOR CONTROLLING PRESSURE SOLUTION RATE	Z. Skvortsova, V. Traskine, Ya. Simonov,	Room 25
16:50-17:10	A SEMIEMPIRICAL EXPRESSION FOR THE EFFECTIVE VISCOSITY OF MULTICOMPONENT SUSPENSIONS	C.I. Mendoza	Room 25
17:10-17:30	STRUCTURING CLAY/POLYMER	B.V. Pokidko, F.V. Apekova,	Room 25

	DISPERSIONS: THE EFFECT OF ELECTROLITE	D.V. Proskurin, M.Y. Pletnev	
17:30-17:45	Coffee break		
3rd Section "Physicochemical mechanics and rheology of disperse systems"			
<i>Chair: Boris Noskov</i>			
17:45-18:05	VISCOSITY IS A STRUCTURALLY SENSITIVE PROPERTY OF METALLIC MELTS	O.A. Chikova, V.V. V'yukhin, A.N. Konstantinov	Room 25
18:05-18:25	STIMULI-RESPONSIVE WORMLIKE MICELLES/PARTICLES SOFT NANOCOMPOSITES	V.S. Molchanov, V.A. Pletneva, O.E. Philippova	Room 25
5th Section "Nucleation and formation of disperse systems"			
<i>Chair: Juern Schmelzer</i>			
16:20-16:50	Key Lecture NUCLEATION OF SMALL BUBBLES AND DROPLETS IN CONFINED SYSTEMS	D. Reguera, Ø. Wilhemsen, D. Bedeaux	Hall 45
16:50-17:10	NUCLEATION STAGE AT DEGASSING IN A GAS-LIQUID MIXTURE WITH ACCOUNT OF THE LAPLACE PRESSURE AND NONSTATIONARY DIFFUSION	A.E. Kuchma, A.K. Shchekin, D.S. Martyukova, A.V. Savin,	Hall 45
17:10-17:30	THE RMALLY REDUCED GOLD NANOPARTICLES CONFINED BY ORDERED MESOPOROUS CARBON AS AN EFFICIENT CATALYST FOR SELECTIVE HYDROGENATION	Y. Wang, Z.Y. Han, Y. Wan	Hall 45
17:30-17:45	Coffee break		
5th Section "Nucleation and formation of disperse systems"			
<i>Chair: Alexander Shchekin</i>			
17:45-18:05	STUDY OF HIGHLY STABLE AQUEOUS FOAMS CONTAINING BIOPOLYMER AND BENTONITE PARTICLES	M.Y. Pletnev, V.S. Erasov, V.A. Panferova	Hall 45
18:05-18:35	Key Lecture CRYSTALLIZATION OF GLASS-FORMING MELTS: NEW ANSWERS TO OLD QUESTIONS	J.W.P. Schmelzer	Hall 45
6th Section "Electrosurface phenomena"			
<i>Chair: Ludmila Ermakova</i>			
16:20-16:50	Key Lecture MODELING ELECTROCONDUCTIVITY AND ELECTROSMOTIC PERMEABILITY OF ION-EXCHANGE MEMBRANE	A.N. Filippov, D.A. Petrova, S.A. Shkirskaya	Room 105
16:50-17:10	STRUCTURAL AND ELECTROSURFACE PROPERTIES OF POROUS GLASSES OF VARIOUS COMPOSITION	A.S. Kuznetsova, L.E. Ermakova, A.V. Volkova, T.V. Antropova	Room 105
17:10-17:30	MICRO/NANOMACHINES SELF-PROPELLED BY CHEMICAL GRADIENTS: FROM ELECTROKINETICS TO DIFFUSION CONTROL MOTION	K. Zhang, D. Reguera, J. Fraxedas, B. Sepulveda, M.J. Esplandiu	Room 105
17:30-17:45	Coffee break		
6th Section "Electrosurface phenomena"			
<i>Chair: Vladimir Sobolev</i>			
17:45-18:05	ELECTRO-OPTICAL TECHNIQUE IN THE STUDY OF ELECTRIC PROPERTIES OF COLLOID PARTICLE SURFACE IN ELECTROLYTES	A. Voitylov*, V. Shilov, M. Petrov, A. Trusov, V. Voitylov	Room 105
18:05-18:25	EFFECT OF Cu ²⁺ , Pb ²⁺ , Fe ³⁺ AND Cr ³⁺	S.M. Tazhibayeva,	Room 105

	IONS ON THE ELECTROKINETIC POTENTIAL OF MICROORGANISMS CELLS	A.B. Orazymbetova, K.B. Musabekov, A.A. Zhubanova, A.K. Kokanbaev	
18:40-20:00	1st Poster Session (Sections 1,2,5)		

WEDNESDAY, SEPTEMBER 12
Mendeleevskaya Liniya, 5

9:00-9:40	Plenary Lecture 3 STATISTICAL THERMODYNAMICS OF WATER-IN-OIL MICROEMULSIONS	Prof. Vladimir F. Razumov, Institute of Problems of Chemical Physics of RAS (Moscow, Russia) <i>Chair: Alexander Shehekin</i>	Hall 25
1st Section "Theoretical problems of colloid chemistry" <i>Chairs: Olga I. Vinogradova and Mikhail Anisimov</i>			
9:50-10:20	Key Lecture SOLVATION OF HYDROPHOBIC PARTICLES IN AQUEOUS SOLUTION AND SOLVENT-MEDIATED INTERACTIONS VARYING WITH TEMPERATURE, PRESSURE, AND SALT CONCENTRATION	K. Koga	Hall 45
10:20-10:40	HYDRODYNAMIC PERMEABILITY OF CHARGED MEMBRANE: THE CELL MODEL	A.N. Filippov	Hall 45
10:40-11:00	EFFECT OF STABILIZING LIGANDS ON THE DIPOLE-DIPOLE INTERACTIONS OF COLLOIDAL QUANTUM DOTS OF CADMIUM SELENIDE: A MOLECULAR DYNAMICS STUDY	A.V. Nevidimov, V.F. Razumov	Hall 45
11:00-11:20	Coffee break		
1st Section "Theoretical problems of colloid chemistry" <i>Chair: Yaroslav Kudryavtsev and Gennady Gor</i>			
11:20-11:50	Key Lecture SMALL SYSTEMS AND FUNDAMENTALS OF THERMODYNAMICS	Yu.K. Tovbin	Hall 45
11:50-12:10	GROWTH OF A MULTICOMPONENT CRYSTAL DUE TO CHEMICAL REACTION: THE MODEL	A.V. Redkov, A.V. Osipov, S.A. Kukushkin	Hall 45
12:10-12:30	THEORY OF SIZE-SELECTIVE PRECIPITATION	S.A. Tovstun	Hall 45
12:30-12:50	BUILDING THEORETICAL FOUNDATIONS OF NANOPARTICLE CHROMATOGRAPHY WITH MESOSCALE SIMULATIONS	A. Vishnyakov, K.P. Santo, A.V. Neimark, E. Brun	Hall 45
2nd Section "Wetting, spreading and thin films" <i>Chairs: Vladimir Arslanov and Maria Kalinina</i>			
9:50-10:20	Key Lecture SELF-ASSEMBLY OF PORPHYRIN-BASED SURMOF FILMS DIRECTED BY GRAPHENE OXIDE TEMPLATES	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	Room 24
10:20-10:40	THIN-FILM OPTICAL SENSORS BASED ON "PUSH-PULL" PORPHYRINS FOR	E.V. Ermakova, E.O. Koroleva, A.G. Bessmertnykh-Lemeune, V.V.	Room 24

	THE DETECTION OF MERCURY CATIONS IN AQUEOUS SOLUTIONS	Arslanov	
10:40-11:00	ELECTROCHEMICAL AND SURFACE PROPERTIES OF LANGMUIR-BLODGETT FILMS CONTAINING COBALT HEXACYANOFERRATE NANOPARTICLES	N.A. Stepashkin, N.S. Ivanov, N.G. Sukhodolov	Room 24
11:00-11:20	Coffee break		
4th Section "Surfactants (IV Russian symposium on surfactants included)"			
<i>Chair: Michael Pletnev and Jingcheng Hao</i>			
11:20-11:50	Key Lecture MOLECULAR-THERMODYNAMIC MODEL FOR DESCRIBING CHEMICAL EQUILIBRIUM AND MORPHOLOGY TRANSITIONS IN MICELAR SOLUTIONS	K.A. Emelyanova, A.I. Victorov,	Room 24
11:50-12:10	EFFECT OF DIFFERENT SURFACTANTS ON AGGREGATION STABILITY OF AQUEOUS DISPERSION OF DETONATION NANODIAMONDS	O.A. Soboleva	Room 24
12:10-12:30	SURFACE ACTIVE DRUGS AS TEMPLATING AGENTS AT SOL-GEL SYNTHESIS OF MESOPOROUS SILICA NANOCONTAINERS	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,	Room 24
12:30-12:50	ENGINEERING HYDROGELS FROM THE SIMPLE CHEMICALS	Z. Zhang, Z. Gao, J. Hao	Room 24
5th Section "Nucleation and formation of disperse systems"			
<i>Chair: Yuri Shchipunov</i>			
9:50-10:20	Key Lecture COLLOID MAGNETIC CORE-SHELL NANOPARTICLES: MODIFICATION AND APPLICATION IN CHEMICAL ANALYSIS	S.N. Shtykov, I.S. Reshetnikova, K.O. Kazimirova, O.R. Egunova	Hall 25
10:20-10:40	NANOEMULSIONS OF PARAFFINS IN WATER STUDIED BY DYNAMIC AND STATIC LIGHT SCATTERING	D.D. Ivanova, V.N. Kuryakov, M.A. Anisimov	Hall 25
10:40-11:00	STABILIZATION OF AU NANOPARTICLES IN THE DIBLOCK COPOLYMERS OF STYRENE AND VINYL PYRIDINE	Ya.V. Kudryavtsev, Y.I. Derikov, G.A. Shandryuk, A.A. Ezhov	Hall 25
11:00-11:20	Coffee break		
6th Section "Electrosurface phenomena"			
<i>Chair: Ludmila Ermakova</i>			
11:20-11:50	Key Lecture IMPACT OF IONS NATURE/HYDRATION ON THE ELECTROPHORESIS AND SURFACE CONDUCTIVITY OF SOME COLLOIDS	S. Barany, M. Manilo	Hall 107
11:50-12:10	THE MOBILITY OF IONS IN THE "STAGNANT" LAYER	V. Sobolev, I. Sergeeva	Hall 107
Lunch Time			
14:30-16:00	2nd Poster Session (Sections 3,4,6)		
16:00-19:00	EXCURSIONS		

THURSDAY, SEPTEMBER 13
Mendeleevskaya Liniya, 5

9:00-9:40	Plenary Lecture 4 DISPERSION OF NANOPARTICLES IN GELS OF SUGAR POLYMERS	Prof. Toyoko Imae, Taiwan National University of Science and Technology (Taipei, Taiwan) <i>Chair: Yuri Shchipunov</i>	Hall 25
5th Section "Nucleation and formation of disperse systems" <i>Chair: Toyoko Imae</i>			
9:50-10:20	Key Lecture NUCLEATION MECHANISM OF THE TUMOR SUPPRESSOR P53	P.G. Vekilov, M.S. Safari, A. Kolomeisky, J.C. Conrad	Hall 25
10:20-10:40	SILICA-QUANTUM DOTS NANOCOMPOSITES WITH PHOTONIC PROPERTIES	I.V. Postnova, K.E. Gebe, S.S. Voznesenskiy, A.A. Sergeev, A.N. Galkina, Y.N. Kulchin, Yu.A. Shchipunov	Hall 25
10:40-11:00	INFLUENCE OF SALT ON DNA- SURFACTANT INTERACTION IN SOLUTION	N.A. Kasyanenko, I.N. Unksov, V.M. Bakulev, S. Santer	Hall 25
11:00-11:20	Coffee break		
5th Section "Nucleation and formation of disperse systems" <i>Chairs: Nina Kasyanenko and Svetlana Derkach</i>			
11:20-11:40	NANOEMULSIONS AND SOLID LIPID PARTICLES FOR DRUG-DELIVERY	M.Y. Koroleva, O.S. Gorbachevski, E.V. Yurtov	Hall 25
11:40-12:00	FORMATION OF POLYSACCHARIDE- GELATIN POLYELECTROLYTE COMPLEXES STUDIED BY UV, FTIR AND ¹ H NMR-SPECTROSCOPY	N.G. Voron'ko, S.R. Derkach, Yu.A. Kuchina	Hall 25
12:00-12:20	KINETICS OF ISOTHERMAL CRYSTALLIZATION OF AQUEOUS DROPLETS IN LOW-CONCENTRATED WATER-IN-CRUDE OIL EMULSIONS	D.S. Kolotova, S.R. Derkach, N.G. Voron'ko, A.Ya. Malkin, J. Sjöblom	Hall 25
12:20-12:40	DIMENSIONALLY STABLE AEROGELS OF MICROFIBRILLAR CELLULOSE	O.N. Khlebnikov, V.E. Silant'ev, Y.A. Shchipunov	Hall 25
12:40-13:00	INTERACTION BETWEEN POLYACIDS (PAA, PAMPS) AND MULTIFUNCTIONAL AMINES	E.V. Mechtaeva, D.A. Gavrilova, I.M. Zorin, A.Yu. Bilibin	Hall 25
2nd Section "Wetting, spreading and thin films" <i>Chair: Ivan Vakarelski</i>			
9:50-10:20	Key Lecture SPREADING OF POLYMER SOLUTIONS AND EMULSIONS ON LIQUID SURFACES	V.G. Kulichikhin, A.Ya. Malkin	Hall 45
10:20-10:40	APPLICATION OF D'YAKONOV METHOD TOWARDS LAYERED HIGHLY ORDERED THIN FILMS	I.N. Meshkov, M.S. Nickolsky, A.I. Zvyagina, A.G. Nugmanova, A.A. Shiryaev, Yu.Yu. Enakieva, V.V. Arslanov, M.A. Kalinina	Hall 45
10:40-11:00	ADVANCED INNOVATIVE SCAFFOLDS MADE BY SELF- ASSEMBLED FILMS OF BIOMATERIAL NANOPARTICLES FOR CELL CULTURE APPLICATIONS	M. Tomoaia-Cotisel	Hall 45
11:00-11:20	Coffee break		
2nd Section "Wetting, spreading and thin films" <i>Chair: Maria Kalinina</i>			

11:20-11:40	COALESCENCE DYNAMICS OF MOBILE AND IMMOBILE FLUID INTERFACES	I.U. Vakarelski, R. Manica, D.Y.C. Chan, S.T. Thoroddsen	Hall 45
11:40-12:00	PLASMON RESONANCE-ENHANCED ABSORPTION OF VISIBLE LIGHT IN ULTRATHIN HYBRID FILMS OF ORGANIC DYES AND GOLD NANOPARTICLES	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	Hall 45
3rd Section "Physicochemical mechanics and rheology of disperse systems"			
<i>Chair: Boris Noskov</i>			
9:50-10:20	Key Lecture DYNAMIC SURFACE ELASTICITY OF PULMONARY SURFACTANT SOLUTIONS AT LOW SURFACE TENSIONS	A.G. Bykov, G. Loglio, R. Miller, B.A. Noskov	Room 24
10:20-10:40	RHEOLOGICAL PROPERTIES OF COLLOID SUSPENSIONS OF NANOPARTICLES	T.S. Dembelova, D.N. Makarova, B.B. Badmaev	Room 24
10:40-11:00	R.M.V.G.K. Rao, NOVEL EPOXY POLYELECTROLYTES – STUDY OF ION-EXCHANGE BEHAVIOUR AND ELECTRO-PHORETIC DEPOSITION OF NANO-COMPOSITES FROM AQUEOUS DISPERSION	A.K. Shukla	Room 24
11:00-11:20	Coffee break		
3rd Section "Physicochemical mechanics and rheology of disperse systems"			
<i>Chairs: Valeriy Kulichikhin and A.G. Bykov</i>			
11:20-11:40	THE STRUCTURAL APPROACH TO RHEOLOGY OF DISPERSED SYSTEMS	E.A. Kirsanov	Hall 25
11:40-12:00	THE ROLE OF TORQUE TERMS IN CAPILLARY EQUILIBRIUM ALONG TRIPLE JUNCTIONS IN POLYCRYSTALLINE COPPER	V.V. Korolev, Ya.V. Kucherinenko, P.V. Protsenko	Hall 25
12:00-12:20	DYNAMIC SURFACE PROPERTIES OF THE SOLUTIONS OF COMPLEXES BETWEEN LYSOZYME AND SILICA NANOPARTICLES	O.Yu. Milyaeva, R. Miller, B.A. Noskov	Hall 25
12:20-12:40	DYNAMIC SURFACE PROPERTIES OF MYOGLOBIN AQUEOUS SOLUTIONS: INFLUENCE OF GUANIDINE HYDROCHLORIDE AND IONIC SURFACTANTS	M.M. Krycki, B.A. Noskov, S.-Y. Lin	Hall 25
12:40-13:00	PROPERTIES OF XANTHAN HYDROGELS CROSS-LINKED BY METAL IONS	A.V. Shibaev, D.A. Muravlev, D.Yu. Mityuk, O.E. Philippova, Smirnova M.E., Andrianova A.V., Gogoleva M.A.	Hall 25
4th Section "Surfactants (IV Russian symposium on surfactants included)"			
<i>Chair: Natalia Zadymova</i>			
12:00-12:20	CHOLESTEROL INDUCED MICELLAR TRANSITION IN THE ESTER FUNCTIONALIZED IONIC LIQUID BASED SURFACTANT	N.I. Malek	Hall 45
12:20-12:40	AMPHIPHILIC AMMONIUM AND PHOSPHONIUM DERIVATIVES OF ISOSTEVIOL: FROM AGGREGATION BEHAVIOR TO BIOTECHNOLOGICAL POTENTIAL	D.R. Gabdrakhmanov, D.A. Samarkina, E.A. Vasilieva, F.G. Valeeva, I.Yu. Stroykina, V.E. Kataev, L.Ya. Zakharova	Hall 45

Lunch time			
15:00-15:40	Plenary Lecture 5 KINETIC THEORY OF THE NUCLEATION STAGE FOR MULTICOMPONENT DROPLETS AND BUBBLES	Prof. Alexander K. Shchekin, Saint-Petersburg State University (Saint-Petersburg, Russia) Chair: Ludmila Ermakova	Hall 45
5th Section "Nucleation and formation of disperse systems"			
<i>Chairs: Alexander Shchekin and David Reguera</i>			
15:50-16:20	Key Lecture DENSITY FUNCTIONAL THEORY OF A CURVED LIQUID-VAPOUR INTERFACE: EVALUATION OF THE RIGIDITY CONSTANTS	E.M. Blokhuis	Hall 25
16:20-16:40	HETEROGENEOUS NUCLEATION OF WATER ON INSOLUBLE PARTICLES BY MOLECULAR DYNAMICS	D. Suh, K. Yasuoka	Hall 25
16:40-17:00	NUMERICAL DFT STUDY OF SMALL EQUILIBRIUM DROPLETS ON CHARGED AND NEUTRAL PARTICLES	T.S. Lebedeva, A.K. Shchekin	Hall 25
17:00-17:15	Coffee break		
17:15-17:35	KINETIC ANALYSIS OF HOMOGENEOUS DROPLET NUCLEATION IN DILUTE SYSTEM USING LARGE SCALE MOLECULAR DYNAMICS SIMULATION	S. Ayuba, K. Nomura, D. Suh, K. Yasuoka	Hall 25
17:35-17:55	SELF-REGULATED NUCLEATION, TRUNCATED FACETS AN THEIR ROLE IN THE MORPHOLOGY AND CRYSTAL PHASE OF III-V SEMICONDUCTOR NANOWIRES	V.G. Dubrovskii, F. Glas, G. Patriarche, F. Panciera, J.C. Harmand	Hall 25
4th Section "Surfactants (IV Russian symposium on surfactants included)"			
<i>Chairs: Lucia Zakharova and Chien-Hsiang Chang</i>			
16:00-16:20	MOLECULAR DYNAMICS SIMULATION STUDY OF SALT INFLUENCE ON ELECTRICAL PROPERTIES OF MICELLES	E.N. Brodskaya, I.V. Kopanichuk, A.A. Vanin	Hall 45
16:20-16:40	SUPRAMOLECULAR SELF- ASSEMBLY OF CALIX[4]RESORCINOL-BASED AMPHIPHILES	R.R. Kashapov, A.Y. Ziganshina, J.S. Razuvayeva, T.Y. Sergeeva, S.S. Lukashenko, L.Y. Zakharova	Hall 45
16:40-17:00	SOLUBILIZATION PHENOMENA IN BIPHASIC OR HOMOGENOUS AQUEOUS SOLUTIONS OF NONIONIC SURFACTANTS. EFFECTS OF ADDITIVES' NATURE AND OF SOLUTES' STRUCTURE	E.A. Safonova, A.S. Koneva, I.V. Smirnova	Hall 45
17:00-17:15	Coffee break		
17:15-17:35	INFLUENCE OF SURFACTANTS ON WATER SORPTION OF NAFION MEMBRANES	Yu.G. Bogdanova, V.D. Dolzhiikova, V.G. Sergeyev	Hall 45
17:35-17:55	HYBRID WORMLIKE MICELLES OF ANIONIC SURFACTANT EMBEDDED WITH HYDROPHOBIC POLYMER	A.L. Kwiatkowski, V.S. Molchanov, O.E. Philippova	Hall 45

3rd Section "Physicochemical mechanics and rheology of disperse systems"			
<i>Chair: A.V. Shibaev</i>			
16:00-16:20	THE FILMS OF POLY(-N-ISOPROPYLACRYLAMIDE) NANOPARTICLES ON THE WATER SURFACE STUDIED BY SURFACE RHEOLOGY	A. Akentiev, S.-Y. Lin, B.A. Noskov	Room 24
16:20-16:40	INVESTIGATION OF RHEOLOGICAL PROPERTIES OF CERAMIC PASTES FROM KOSKUDYK KAOLINITE	D. Artykova, B.Tyusupova, S.Tazhibaeva, K.Musabekov	Room 24
Free time			
19:00	Banquet		

FRIDAY, SEPTEMBER 14
Mendeleevskaya Liniya, 5

1st Section "Theoretical problems of colloid chemistry"			
<i>Chair: Edgar Blokhuis</i>			
9:50-10:20	Key Lecture ADSORPTION-INDUCED MECHANICAL STRESSES: EFFECTS ON THE SOLID AND ON THE FLUID	G.Yu. Gor	Hall 25
10:20-10:40	INFLUENCE OF AOT MICROEMULSIONS COMPOSITION ON HYDRODYNAMIC DIAMETER AND ELECTROPHORETIC MOBILITY OF TiO ₂ NANOPARTICLES	N.O. Shaparenko, M.G. Demidova, D.I. Beketova, A.I. Bulavchenko	Hall 25
10:40-11:00	EFFECTS OF TEMPERATURE ON INTERFACIAL TENSION AND CRITICAL PHENOMENA IN THE TERNARY SYSTEM OF WATER - TERT-BUTANOL – CYCLOHEXANE	A.P. Semenov, A.A. Kuchierskaya, A.A. Novikov, M.A. Anisimov	Hall 25
11:00-11:20	Coffee break		
5th Section "Nucleation and formation of disperse systems"			
<i>Chairs: Marina Koroleva and Donguk Suh</i>			
9:50-10:20	Key Lecture FROM SYNTHESIS TO LARGE, ORDERED SELF-ASSEMBLED ARRAYS OF NANOPARTICLES	G. Salazar-Álvarez, E. Wetterskog	Hall 45
10:20-10:40	DISPERSIONS OF INTERPOLYELECTROLYTE COMPLEXES FORMED BY MONOMER POLYMERIZATION IN SELF-ORGANIZED STATE	P.A. Fetin, I.M. Zorin, A.A. Lezov, A.Yu. Bilibin	Hall 45
10:40-11:00	SYNTHESIS AND PROPERTIES OF CeO ₂ -ZrO ₂ «LYOPHYLIC» HYDROSOLS	N.N. Gavrilova, V.V. Nazarov	Hall 45
11:00-11:20	Coffee break		
11:20-11:40	SYNTHESIS OF MOLYBDENUM BLUES DISPERSIONS USING HYDROQUINONE AS REDUCING AGENT	M.A. Myachina, N.N. Gavrilova, V.V. Nazarov	Hall 45

11:40-12:00	INFLUENCE OF POLYMERS AND ALCOHOLS ON THE ELASTIC BENDING CONSTANTS OF REVERSE MICROEMULSIONS	D.K. Satapathy, P. M. Geethu, Indresh Yadav, V. K. Aswal	Hall 45
12:00-12:20	EXTENSION OF THE ANALYTICAL CALCULATION OF THE FAST RELAXATION SPECTRUM IN MICELLAR SOLUTIONS	Yu.A. Eroshkin	Hall 45
4th Section "Surfactants (IV Russian symposium on surfactants included)"			
<i>Chair: Yury Shchipunov</i>			
11:20-11:40	PHYSICAL PROPERTIES OF CATIONIC VESICLE AND PACKING CHARACTERISTICS OF VESICULAR BILAYER FORMED OF A TRIHEXADCYL-CHAINED ION PAIR AMPHIPHILE WITH CHOLESTEROL	Y.-Ch. Su, Ch.-H. Chang	Hall 25
11:40-12:00	OIL-DISPLACING SYSTEMS BASED ON SURFACTANTS AND COMPLEX COMPOUNDS TO ENHANCE OIL RECOVERY OF HEAVY OILS	L.K. Altunina, V.A. Kuvshinov, L.A. Stasyeva, I.V. Kuvshinov	Hall 25
12:00-12:20	THE INFLUENCE OF SURFACTANTS ON PHOTOPHYSICAL PROPERTIES AND PHOTODYNAMIC ACTIVITY OF PORPHYRIN-BASED PHOTSENSITIZERS	M.A. Gradova, O.V. Gradov, A.V. Lobanov	Hall 25
12:40-13:20	Plenary Lecture 6 WHAT IS THE REHBINDER EFFECT (TO 90TH ANNIVERSARY OF THE DISCOVERY)		
	Prof. Alexander Malkin, A.N.Frumkin Institute of Physical Chemistry and Electrochemistry RAS (Moscow, Russia) <i>Chair: Anatoly Rusanov</i>		
University Embankment, 7/9			
CLOSING THE CONFERENCE			

POSTER SESSIONS

TUESDAY, SEPTEMBER 11
18:40-20:00, Mendeleevskaya Liniya, 5

1st POSTER SESSION (SECTIONS I, II, V)

1st Section "Theoretical problems of colloid chemistry"

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 KAZKAINE ON MAGNETIC COMPOSITES OF BENTONITE

IP4 T.G. Movchan*, A.I. Rusanov, E.V. Plotnikova

DIFFUSION OF NON-IONIC SURFACTANTS IN AQUEOUS MICELLAR SOLUTIONS

2nd Section "Wetting, spreading and thin films"

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

5th Section "Nucleation and formation of disperse systems"

VP1 A.O. Adilbekova*, K.I. Omarova

STUDY THE FORMATION AND BREAKING OF WATER-IN-OIL EMULSIONS

VP2 Y.D. Aleksandrov*, E.A. Karpushkin, V.G. Sergeyev, L.I. Lopatina

SYNTHESIS AND CATALYTIC PROPERTIES OF GOLD NANOPARTICLES FORMED IN THE PRESENCE OF DNA

VP3 D.V. Ardashev*, M.A. Myachina, N.N. Gavrilova, V.V. Nazarov

INFLUENCE OF ORGANIC REDUCING AGENT NATURE ON THE MOLYBDENUM BLUE DISPERSION FORMATION

VP4 D.R. Gabdrakhmanov*, A.B. Mirgorodskaya, R.A. Kushnazarova, L.Ya. Zakharova, O.G. Sinyashin

MODIFICATION OF LAYER-BY-LAYER TECHNIQUE FOR SYNTHESIS OF DRUG LOADED POLYELECTROLYTE CAPSULES

VP5 A.V. Gadomska*, S.A. Tovstun
SOLVENT/NON-SOLVENT PREPARATION OF COLLOIDAL QUANTUM DOT NANOCCLUSERS

VP6 N.K. Ivanova*, D.V. Harlamova, O.V. Zhilina, N.N. Gavrilova
SYNTHESIS OF CeO₂ HYDROSOLS STABLE IN ACIDIC AND ALKALINE MEDIA VIA PRECIPITATION METHOD

VP7 D.S. Kolokolov*, N.P. Bobrysheva, M.G. Osmolowsky, O.M. Osmolowskaya
EFFECT OF THE COMPOSITION OF THE DISPERSION MEDIUM UNDER HYDROTHERMAL TREATMENT ON THE MORPHOLOGY OF SnO₂ NANOPARTICLES

VP8 S.V. Kotelnikova*, I.P. Mosyagin, M.G. Osmolowsky, O.M. Osmolowskaya
SYNTHESIS AND FUNCTIONAL PROPERTIES OF INDIVIDUAL NICKEL AND COPPER NANOPARTICLES

VP9 V.I. Kuchuk*, I.Yu. Shirokova, K.D. Gazizova, E.V. Golikova, N.N. Shevchenko
PRESENTATION OF THE RESULTS OF COAGULATION AND CALCULATION OF PARTICLE SIZE OF LATEX DISPERSIONS BY DIFFERENT METHODS

VP10 N.A. Kumskova*, Yu.V. Ermolenko, N.S. Osipova, O.O. Maksimenko, S.E. Gelperina
INFLUENCE OF POLYMER PROPERTIES ON DOXORUBICINE RELEASE PROFILE FROM NANOSOMAL DRUG DOSAGE FORM

VP11 V.G. Kurbatov*, A.S. Vorontsova
INVESTIGATION OF THE COLLOID-CHEMICAL PROPERTIES BY POLYANILINE DISPERSION

VP12 A.I. Barabanova, V.S. Molchanov*, P.G. Khalatur, O.E. Philippova, A.R. Khokhlov
MAGNETIC PARTICLES MODIFICATION

VP13 N.N. Osipenko*, M.A. Myachina, N.N. Gavrilova, V.V. Nazarov
INVESTIGATION OF MOLYBDENUM BLUE NANOPARTICLES FORMATION BY DYNAMIC LIGHT SCATTERING

VP14 Yu.V. Petukhova*, N.P. Bobrysheva, M.G. Osmolowsky, O.M. Osmolovskaya
INFLUENCE OF PHYSICO-CHEMICAL PARAMETERS OF HYDROTHERMAL SYNTHESIS ON NUCLEATION AND FORMATION OF VO₂ NANOPARTICLES

VP15 A.A. Podurets*, A.S. Pochivalov, Ch.S. Vakh, N.P. Bobrysheva, M.G. Osmolowsky, A.V. Bulatov, O.M. Osmolowskaya
FEATURES OF THE FORMATION OF COMPOSITE NANOPARTICLES ON THE BASIS OF AQUEOUS SOLUTIONS OF SnO₂ AND COPPER AND NICKEL IONS

VP16 I.V. Postnova*, Y.I. Supolova, S.A. Sarin, V.E. Silant'ev, Y.A. Shchipunov
PHOTOCATALYTICALLY ACTIVE TITANIA PREPARED BY DIRECTIONAL SOL-GEL PROCESSING

VP17 V.E. Proskurina*, E.S. Kashina, Yu.G. Galyametdinov
FLOCCULATION OF DISPERSION SYSTEMS BY HYBRID NANOCOMPOSITES

VP18 G.I. Romanovskaya*, M.V. Koroleva, B.K. Zuev
FORMATION OF DISPERSE SYSTEMS IN AQUEOUS SOLUTIONS OF SILVER NITRATE AND SODIUM CITRATE UNDER UV AND VISIBLE LIGHT IRRADIATION

VP19 A.V. Sadetskaya*, O.M. Osmolowskaya, N.P. Bobrysheva, M.G. Osmolowsky
ADSORPTION OF NICKEL(II), COBALT(II) AND COPPER(II) IONS ON HYDROXYLAPATITE NANOPARTICLES WITH DIFFERENT MORPHOLOGY

VP20 A.V. Savelev*, N.N. Gavrilova, M.A. Myachina, V.V. Nazarov
FORMATION OF MOLYBDENUM-TUNGSTEN BLUES SOLS USING ASCORBIC ACID AS A REDUCING AGENT

VP21 A.A. Savina*, O.V. Abramova, D.O. Solovyova, S.Yu. Zaitsev, V.A. Oleinikov
CATALYTIC PROPERTIES OF PANCREATIC PORCINE LIPASE IN COMPLEXES WITH VARIOUS POLYCATIONS

VP22 K.A. Sergunova*, E.S. Akhmad, A.V. Petraikin, N.N. Potrahov, N.V. Anisimov, S.A. Kivasev, D.S. Semenov
DEVELOPMENT OF DWI QUALITY ASSURANCE PHANTOM BASED ON WATER IN OIL EMULSIONS

VP23 O.E. Zhuravlev*, N.I. Krotova, L.I. Voronchikchina
INFLUENCE OF CONCENTRATION AND ULTRASOUND ON THE SIZE OF QUANTUM DOTS SYNTHESIZED IN AN IONIC LIQUID

VP24 S.S. Kozhabekov*, A.A. Zhubanov, Zh. Toktarbay
DEVELOPMENT OF NANOSTRUCTURED POLYMER ADDITIVED EMULSION TYPES

WEDNESDAY, SEPTEMBER 12

14:30-16:00, Mendeleevskaya Liniya, 5

2nd POSTER SESSION (SECTIONS II, IV, VI)

3rd Section "Physicochemical mechanics and rheology of disperse systems"

- III1** S.M. Asadov*, A.A. Akhundov, D.B. Tagiyev
NUMERICAL MODELING OF TRANSPORT EFFECTS IN HETEROGENEOUS PROCESSES INVOLVING CYCLIC HYDROCARBONS
- III2** E.M. Berezina*, I.A. Berezina, A.V. Ilyushnikov, V.N. Manzhay
ANTI-TURBULENT EFFICIENCY OF POLYMER SOLUTIONS AND COLLOIDAL SYSTEMS
- III3** 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
- III4** I.B. Dmitrieva*, E.Yu. Pavlova, P.A. Vasilyeva
INFLUENCE OF THE COMPOSITION OF DISPERSION ON RHEOLOGICAL PROPERTIES OF CARBOHEL
- III5** 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
- III6** 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
- III7** A.I. Barabanova, A.L. Kwiatkowski*, V.S. Molchanov, O.E. Philippova, A.R. Khokhlov
SMART NANOCOMPOSITES WITH TUNABLE ELASTOMERIC MATRIX
- III8** E. Lebedeva*, I. Perevyazko, Yu. Martakova, I. Martakov, M. Torlopov, N. Tsvetkov
MOLECULAR CHARACTERISTICS OF NANOCRYSTALLINE CHITIN SOLS AND HYBRIDS WITH SILICON OXIDE NANOPARTICLES
- III9** 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
- III10** M.V. Mavletov*, I.M. Iksanov, A.A. Valiev
RHEOLOGICAL PROPERTIES OF HYDRAULIC FRACTURING FLUIDS
- III11** W. Nowicki
SEGREGATION OF RING POLYELECTROLYTES UNDER NANOCONFINEMENT
- III12** Zh. Ospanova*, S.B. Aidarova, Kang Wangli
THE EMULSIFYING POWER OF COMPOSITIONS SURFACTANT WITH SODIUM CARBOXYMETHYL CELLULOSE
- III13** 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
- III14** E.V. Porodenko*, O.A. Soboleva
MECHANICAL AND SURFACE PROPERTIES OF THE COMPOSITE FILMS BASED ON DETONATION NANODIAMONDS AND POLYACRYLONITRILE
- III15** A.A. Ryazantseva*, V.A. Klyuev, A.I. Malkin, V.I. Savenko
PHYSICO-CHEMICAL MECHANICS OF SYNTHESIS OF COMPOSITE POWDERS "A1-2B"
- III16** Y.I. Supolova*, I.V. Postnova, Y.A. Shchipunov
FILMS AND AEROGELS OF HYDROXYETHYLCELLULOSE
- III17** 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
- III18** J.H. Trivedi
Synthesis, Characterization and Swelling Behaviour of Superabsorbent Hydrogel from Sodium Alginate-g-PAN
- III19** L.E. Trofimova
ANALYSIS OF PROCESSES OF STRUCTURE FORMATION OF DISPERSE SYSTEMS IN THE CASE OF SHEAR DEFORMATION

4th Section "Surfactants (IV Russian symposium on surfactants included)"

- IVP1** A.O. Adilbekova*, Zh. Oteulina
DEVELOPMENT THE SURFACE ACTIVE AGENT COMPOSITIONS FOR THE BREAKING OF WATER-IN-OIL EMULSIONS
- IVP2** N.M. Zadymova*, M.V. Poteshnova
DOUBLE EMULSIONS WATER/OIL/WATER, STABILIZED BY NONIONIC SURFACTANT – TWEEN 85
- IVP3** O.M. Alekseeva*, A.N. Golochshapov, Yu.A. Kim
MICELLE SYSTEMS, CONTAINED FENOZAN OR ITS DERIVATIVES, AND ITS BIOLOGY ACTIVITIES
- IVP4** E.S. Burovaya*, I.V. Kopanichuk, A.A. Vanin
COMPUTER SIMULATION OF MICELLAR SOLUBILIZATION: EFFECTS OF THE STRUCTURE AND POLARITY OF A COMPOUND
- IVP5** D.S. Bykov*, Yu.V. Shulevich, E.G. Dukhanina, A.V. Navrotsky, I.A. Novakov
INFLUENCE OF ANIONIC MONOMERS ON THE FORMATION AND STRUCTURE OF CATIONIC SURFACTANT MICELLES
- IVP6** M.N. Chernikova*, O.V. Zaborova, A.A. Yaroslavov
NONDESTRUCTIVE ELECTROSTATIC ADSORPTION OF LIPOSOMES ON ANIONIC LATEXES
- IVP7** N.S. Chirkov*, V.V. Lyadinskaya, B.A. Noskov, S.Y. Lin, A.V. Michailov, A.V. Povolotskiy
DYNAMIC SURFACE PROPERTIES OF DNA/SURFACTANT AND DNA/POLYELECTROLYTE AQUEOUS SOLUTIONS
- IVP8** E.G. Dukhanina*, Yu.V. Shulevich, M.V. Motyakin, Yu.A. Zakharova, A.V. Navrotsky, I.A. Novakov
INTERACTION BETWEEN DODECYLTRIMETHYLAMMONIUM BROMIDE MICELLES AND SODIUM 4-STYRENESULFONATE
- IVP9** A.R. Gataullin*, S.A. Bogdanova, Yu.G. Galyametdinov
ADSORBANCE INTERACTION OF NONIONIC SURFACTANTS WITH CARBON NANOTUBES
- IVP10** N.Yu. Gerasimov*, O.V. Nevrova, A.N. Goloshchapov, E.B. Burlakova
THE EFFECT OF COLLOID SOLUTION OF PHENOSAN ON THE PHYSICAL CHEMICAL SYSTEM OF BIOLOGICAL MEMBRANES
- IVP11** M.A. Gradova*, E.O. Tomlyanovich, A.V. Lobanov
CATALYTIC ACTIVITY OF SILICON PHTHALOCYANINE DICHLORIDE IN MICELLAR ANIONIC SURFACTANT SOLUTIONS
- IVP12** M. Hussain*, M. Nagaraj, O. Cayre, A. Bayly
THE AQUEOUS PHASE BEHAVIOUR OF LINEAR ALKYL BENZENE SULPHONATE/POLYCARBOXYLATE POLYMER SYSTEMS
- IVP13** M.R. Ibatullina*, D.R. Gabdrakhmanov, E.P. Zhiltsova, S.S. Lukashenko, L.Ya. Zakharova
INVESTIGATION OF THE AMPHIPHILES WITH A NATURAL FRAGMENT
- IVP14** S. Javadian*, J. Kakemam, Sh. Lashgari, H. Aghdastinat
ELECTROLYTE EFFECT ON MICELLAR GEOMETRY, SURFACE AND AGGREGATION BEHAVIOR OF CATIONIC ESTER-CONTAINING GEMINI SURFACTANTS IN WATER-ETHYLENE GLYCOL MEDIUM
- IVP15** T.P. Joshi
INVESTIGATION OF THE EFFECT OF ADDITIVES ON THE CLOUDING BEHAVIOR OF POLYSORBATES 20 AND 80
- IVP16** P.V. Kalinin*, A.L. Kwiatkowski, V.S. Molchanov, O.E. Philippova
PHASE BEHAVIOUR IN THE SOLUTIONS OF BRANCHED WORMLIKE POLYMER-LOADED MICELLES OF ANIONIC SURFACTANT
- IVP17** R.R. Kashapov*, A.A. Lykova, J.S. Razuvayeva, V.A. Mamedov, N.A. Zhukova, L.Y. Zakharova, O.G. Sinyashin
CYCLODEXTRIN INCLUSION COMPLEXES OF 3-HYDROQUINOLIN-2(1H)-ONES
- IVP18** N.M. Zadymova, V.D. Dolzhikova, A.E. Kharlov*
EFFECT OF IMMOBILIZATION OF LIPOPHILIC DRUGS AT DIFFERENT INTERFACES
- IVP19** A.S. Kovalenko*, A.M. Nikolaev, O.A. Shilova, G.P. Kopitsa, K.E. Yarov, N.V. Tsvigun
OLEIC ACID AS THE SURFACTANT FOR THE Fe₃O₄ NANOPARTICLES SYNTHESIS
- IVP20** R.A. Kushnazarova*, A.B. Mirgorodskaya, L.Ya. Zakharova, O.G. Sinyashin
BIOCOMPATIBLE MICROEMULSIONS AS EFFECTIVE SOLUBILIZERS OF HETEROCYCLIC DRUGS
- IVP21** S.S. Lukashenko*, A.B. Mirgorodskaya, R.A. Kushnazarova, A.Yu. Shcherbakov, A.D. Voloshina, O.A. Lenina, I.I. Vandyukova, L.Ya. Zakharova
NEW CARBAMATE-BEARING SURFACTANTS. SYNTHESIS AND PROPERTIES
- IVP22** I.A. Makarov*, P.A. Fetin, A.S. Senchukova, I.M. Zorin, A.Yu. Bilibin
MACROMOLECULAR NANOBOJECTS BASED ON SELF-ORGANIZED MONOMERS
- IVP23** T.G. Movchan*, A.A. Averin, E.V. Plotnikova, V.E. Baulin, A.Yu. Tsivadze
AGGREGATION–DISAGGREGATION OF OCTA-[(4'-BENZO-15-CROWN-5) OXY]PHTHALOCYANINE MAGNIUM IN THE AQUEOUS SOLUTION SURFACTANT

- IVP24** E.S. Trofimova, N.M. Murashova*, E.V. Yurto
EFFECT OF OLEIC ACID ON THE FORMATION OF LECITHIN-BASED MICROEMULSION
- IVP25** P. Parekh*, S. Ohno, S. Yusa, Binyang Du, Debes Ray, V.K. Aswal, P. Bahadur
SURFACE, AGGREGATION BEHAVIOUR OF PENTA BLOCK COPOLYMER
- IVP26** V. Patel*, V.K. Aswal, P. Bahadur
TIME-DEPENDANT STRUCTURAL TRANSITION OF PLURONIC® MICELLES BY CINNAMIC ACID AND ITS ANALOGUES: A DLS AND SANS STUDY
- IVP27** A.S. Polyakova*, N.M. Murashova, E.V. Yurto
EFFECT OF BIS-(2-ETHYLHEXYL)PHOSPHORIC ACID ON PROPERTIES OF SODIUM BIS-(2-ETHYLHEXYL)PHOSPHATE MICROEMULSION
- IVP28** M.V. Posysoev, N.A. Volkov, A.K. Shchekin
VELOCITY AND PRESSURE AUTOCORRELATION FUNCTIONS FOR LENNARD-JONES FLUID AND IONIC MICELLAR SOLUTION
- IVP29** Yu.S. Razuvayeva*, R.R. Kashapov, A.Y. Ziganshina, L.Ya. Zakharova
AGGREGATION BEHAVIOR AND SOLUBILIZING PROPERTIES OF SYSTEMS BASED ON VINYLBIPIRIDINE SURFACTANT
- IVP30** E.A. Vasilieva, D.A. Samarkina*, S.S. Lukashenko, D.R. Gabdrakhmanov, L.A. Vasileva, L.Ya. Zakharova
POLYMER-COLLOID COMPLEXES BASED ON CATIONIC SURFACTANT AND WEAK POLYELECTROLYTE – POLYACRYLIC ACID
- IVP31** D.A. Samarkina*, D.R. Gabdrakhmanov, S.S. Lukashenko, L.Ya. Zakharova
HOMOLOGOUS SERIES OF NOVEL CATIONIC IMIDAZOLIUM-CONTAINING SURFACTANTS BEARING HYDROXYETHYL MOIETY: INTERACTION WITH BOVINE SERUM ALBUMIN
- IVP32** R.K. Sharma, S. Shaikh, D. Ray, V.K. Aswal Ray
NANOMICELLES OF PLURONIC POLYMERS AS PROMISING DRUG DELIVERY CARRIERS
- IVP33** S.V. Shilova*, A.Ya. Tretyakova, V.P. Barabanov
MICELLE FORMATION IN SOLUTIONS OF SODIUM ALKYL SULPHATES IN THE PRESENCE OF ALIPHATIC ALCOHOLS
- IVP34** O.N. Stukalceva*, E.V. Alopina, E.A. Safonova
AGGREGATION BEHAVIOUR OF SURFACE ACTIVE AMINO ACID IONIC LIQUIDS [Cnmim][Leu] (n = 8, 10, 12) IN AQUEOUS SOLUTIONS
- IVP35** F.G. Valeeva*, A.B. Mirgorodskaya, N.A. Zukova, V.A. Mamedova, L.Ya. Zakharova, O.G. Sinyashin
SUPRAMOLECULAR SYSTEMS FOR IMMOBILIZATION OF BIOLOGICALLY ACTIVE HETEROCYCLIC COMPOUNDS
- IVP36** O.E. Yessimova*, K.B. Musabekov, A.O. Adilbekova
INFLUENCE OF SURFACTANT - POLYMER COMPLEXES ON GERMINATION OF SEEDS
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- VIP1** S. Bárány*, Z.R. Mészáros, G. Varga
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- VIP2** A.S. Kuznetsova*, L.E. Ermakova, T.V. Antropova, M.A. Girsova
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- VIP3** S.A. Klemeshev, M.P. Petrov*, A.A. Trusov, A.V. Voitylov, V.V. Vojtylov
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- VIP4** M.P. Petrov, A.A. Trusov, O.S. Vezo, A.V. Voitylov, V.V. Vojtylov*
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- VIP5** A.V. Volkova*, E.V. Golikova, L.E. Ermakova, M.A. Shvedova
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