

FINAL SCHEDULE

of the IV INTERNATIONAL CONFERENCE ON COLLOID CHEMISTRY AND PHYSICO-CHEMICAL MECHANICS

Compiled on 18 June 2013. This schedule is final and may only face minor changes (spelling corrections *etc.*)

Tuesday, 02 July 2013

PLENARY SESSION I			
09:00–09:20 Conference opening			
09:20–10:00 PL1 <u>A. I. RUSANOV</u> . Amazing world of micelles (Russia)			
10:00–10:40 PL2 <u>B. LINDMAN</u> ; T. NYLANDER; F. ANTUNES; C. MORÁN; D. COSTA; M. MIGUEL; L. PICULELL. Polyelectrolyte-surfactant association— from fundamentals to applications (Sweden)			
10:40–11:00 Coffee break			
L. LYOPHILIC COLLOID SYSTEMS	N. NANOMATERIALS	A. ADSORPTION AND SURFACE PHENOMENA	C. SURFACTANTS, EMULSIONS, FOAMS
<p>11:00–11:30 L01K <u>N. L. ABBOTT</u>. Spatial and temporal control of surfactant systems using redox-active and light sensitive amphiphiles (USA)</p> <p>11:30–11:50 L02 <u>N. A. SMIRNOVA</u>; A. Yu. VLASOV; A. V. VENEDIKTOVA; I. M. KISLYAKOV; N. R. ARUTYUNYAN; D. A. VIDENICHEV; K. R. SAVCHUK; Yu. A. ANUFRIKOV; E. D. OBRAZTSOVA. Aggregation of ionic amphiphiles in water and water-glycerol mixtures; stability and optical properties of carbon nanotubes dispersions in these solvents with individual or mixed additives (Russia)</p> <p>11:50–12:10 L03 <u>T. V. TIKHONOVA</u>; K. I. KIENSKAYA; G. V. AVRAMENKO. Development and study of microemulsions for pharmaceutical and cosmetic use (Russia)</p>	<p>11:00–11:30 N01K <u>M. A. KALININA</u>; V. V. ARSLANOV. Substrate-mediated self-assembly at the air-water interface (Russia)</p> <p>11:30–11:50 N02 <u>A. V. SHOKUROV</u>; S. L. SELEKTOR; T. COHEN-BOUHACINA; C. GRAUBY-HEYWANG; F. MOROTÉ; A. V. ZAYTSEVA; V. M. SUKHOV; Yu. G. GORBUNOVA; V. V. ARSLANOV; A. Yu. TSIVADZE. Structure formation in single-layer Langmuir-Blodgett films of double-decker cerium crown-phthalocyaninate (Russia)</p> <p>11:50–12:10 N03 <u>D. A. SILANTYEVA</u>; S. L. SELEKTOR; J. N. MALAKHOVA; A. V. BAKIROV; M. A. SHCHERBINA; S. N. CHVALUN; N. Kh. IBRAYEV; G. JONUSAUSKAS; V. V. ARSLANOV. Controlled excimer formation in ultrathin films of amphiphilic chromoionophores (Russia)</p>	<p>11:00–11:30 A01K <u>B. CATTOZ</u>; M. SHAFIK; P. GRIFFITHS; M. GUMBELTON. Probing nanoparticulate interactions with biological system: the importance of surface chemistry (UK)</p> <p>11:30–11:50 A02 <u>B. A. NOSKOV</u>; P. A. YAZHGUR; L. LIGGIERI; F. RAVERA; Shi-Yow LIN; G. LOGLIO; R. MILLER. Dynamic surface elasticity of mixed nanoparticle-surfactant adsorption layers (Russia)</p> <p>11:50–12:10 A03 <u>S. Yu. ZAITSEV</u>; D. O. SOLOVYEVA. Brewster angle microscopy of the monolayers of quantum dots and lipids (Russia)</p>	<p>11:00–11:30 C01K <u>D. EXEROWA</u>; <u>D. PLATKANOV</u>; R. TODOROV. Thin liquid films as model of the alveolar surface and method for studies of therapeutic pulmonary surfactants (Bulgaria)</p> <p>11:30–11:50 C02 <u>M. M. MOTORNOV</u>; Hy Si BUI; Ch. PANG; J.-T. SIMONNET. Reactive emulsion chemistry for applications in cosmetics (USA)</p> <p>11:50–12:10 C03 <u>V. M. STAROV</u>; A. TRYBALA; N. KOVALCHUK; A. BUREIKO. Foam drainage: experimental study and numerical simulations (UK)</p>
12:10–13:30 Lunch time			
L. LYOPHILIC COLLOID SYSTEMS (CONTINUED)	N. NANOMATERIALS (continued)	A. ADSORPTION AND SURFACE PHENOMENA (CONTINUED)	C. SURFACTANTS, EMULSIONS, FOAMS (CONTINUED)
<p>13:30–14:00 L04K <u>I. A. BABINTSEV</u>; L. Ts. ADZHEMYAN; <u>A. K. SHCHEKIN</u>. Kinetics of micellization and relaxation of cylindrical micelles: numerical computations versus analytical theory (Russia)</p> <p>14:00–14:20 L05 <u>A. V. SHIBAEV</u>; M. V. TAMM; V. S. MOLCHANOV; A. V. ROGACHEV; A. I. KUKLIN; E. E. DORMIDONTOVA; O. E. PHILIPPOVA. Experimental and theoretical study of the transition of wormlike surfactant micelles to microemulsion droplets upon contact with hydrocarbon (Russia)</p> <p>14:20–14:40 L06 <u>N. M. ZADYMOVA</u>; N. I. IVANOVA. Mixed micelles as lipophilic drug (felodipine) carriers in aqueous medium (Russia)</p> <p>14:40–15:00 L07 <u>O. T. KASAIKINA</u>; D. A. KRUGOVOV; E. A. MENGELE; Z. S. KARTASHEVA; L. M. PISARENKO. Mixed micelles as colloid catalysts for radical generation (Russia)</p>	<p>13:30–14:00 N04K <u>ZHU Xiaomin</u>; WANG Hailin; L. A. TSARKOVA; M. MÖLLER. Hyperbranched polyalkoxysiloxanes: unique silica precursor polymers for the preparation of silica microcapsules (Germany)</p> <p>14:00–14:20 N05 <u>E. M. SULMAN</u>. Polymers as effective stabilizers for catalytic activity of metal nanoparticles (Russia)</p> <p>14:20–14:40 N06 <u>P. V. SURIKOV</u>; A. A. PYKHITIN; L. B. KANDYRIN; V. N. KULEZNEV. Rheological properties of oligomers containing particles of nanometer size (Russia)</p> <p>14:40–15:00 N07 <u>S. O. ILYIN</u>; <u>T. V. BRANTSEVA</u>; I. Yu. GORBUNOVA; S. V. ANTONOV; M. L. KERBER. Rheological properties of epoxy resin-nanoclay based compositions: influence of the type of the filler (Russia)</p>	<p>13:30–14:00 A04K <u>M. SZALENIEC</u>; P. E. DYSHLOVENKO; L. SZYK-WARSZYŃSKA; <u>P. WARSZYŃSKI</u>. Can protein adsorption be described in terms of electrostatic interactions? (Poland)</p> <p>14:00–14:20 A05 <u>O. A. SOBOLEVA</u>; M. G. CHERNYSHEVA; G. A. BADUN. Adsorption of lysozyme-ionic surfactants mixtures at aqueous-organic liquid interface as studied by tensiometry and scintillation phase method (Russia)</p> <p>14:20–14:40 A06 <u>M. G. CHERNYSHEVA</u>; O. A. SOBOLEVA; G. A. BADUN. Proteins encapsulation by humic substances: colloidal properties of the composite in aqueous-p-xylene system (Russia)</p> <p>14:40–15:00 A07 <u>A. M. NAZARI</u>; P. W. COX; K. E. WATERS. Copper ion removal by EWP solution and ultrasonically synthesised air bubbles (Canada)</p>	<p>13:30–14:00 C04K <u>L. K. ALTUNINA</u>; L. A. STASYEVA; V. A. KUVSHINOV. Effect of non-ionic surfactant on temperature dependence of paraffinic oil viscosity (Russia)</p> <p>14:00–14:20 C05 <u>V. A. PLETNEVA</u>; O. M. ZOZULYA. The lab study of colloidal gas aphron behavior under reservoir pressures aimed at oilfield applications (Russia)</p> <p>14:20–14:40 C06 <u>I. LESOV</u>; S. TCHOLAKOVA; N. DENKOV. Drying of silica-stabilized foams: experiment and theoretical interpretation (Bulgaria)</p> <p>14:40–15:00 C07 <u>M. SZYMULA</u>; A. SIENKIEWICZ; J. NARKIEWICZ-MICHAŁEK; C. BRAVO-DÍAZ. Spectroscopic studies of arenediazonium ions decomposition in surfactant solutions (Poland)</p>
15:00–16:40 Coffee break + POSTER SESSION I (sections L, N, A)			

Tuesday, 02 July 2013 (continued)

L. LYOPHILIC COLLOID SYSTEMS (CONTINUED)	N. NANOMATERIALS (CONTINUED)	A. ADSORPTION AND SURFACE PHENOMENA (CONTINUED)	C. SURFACTANTS, EMULSIONS, FOAMS (CONTINUED)
<p>16:40–17:00 L08 M. A. VORONIN; I. V. GALKINA; V. E. KATAEV; V. E. SEMENOV; V. S. REZNIK; Sh. K. LATYPOV; Yu. F. ZUEV; A. I. KONOVALOV; <u>L. Ya. ZAKHAROVA</u>. Self-assembling systems based on cationic amphiphiles: structural behavior and functional activity (Russia)</p> <p>17:00–17:20 L09 <u>N. M. MURASHOVA</u>; S. Yu. LEVCHISHIN; E. V. YURTOV. Extractant-containing microemulsions of sodium bis(2-ethylhexyl)phosphate (Russia)</p> <p>17:20–17:40 L10 <u>Yu. V. SHULEVICH</u>; Ju. A. ZAKHAROVA; M. V. MOTYAKIN; A. M. WASSERMAN; A. V. NAVROTSKII; I. A. NOVAKOV. Micelle formation of sodium dodecyl sulfate in the presence of quaternary salts of (dimethylamino)-ethylmethacrylate (Russia)</p>	<p>16:40–17:00 N08 <u>V. M. SAMSONOV</u>; N. Yu. SDOBNYAKOV; A. N. BAZULEV; V. A. KHASHIN; D. A. KULPIN. Size dependence of the surface tension and the problem of thermodynamics to nanoparticles (Russia)</p> <p>17:00–17:20 N09 <u>A. I. ZHAMOYTINA</u>; I. N. MESHKOV; A. A. EZHOV; Yu. G. GORBUNOVA; A. Yu. TSVADZE; V. V. ARSLANOV; M. A. KALININA. Resonance-enhanced optical response in 2D hybrid assembly of crown-substituted cerium phthalocyaninate and gold nanoparticles (Russia)</p> <p>17:20–17:40 N10 M. P. PETROV; A. A. TRUSOV; A. V. VOITYLOV; <u>V. V. VOJTYLOV</u>. Electro-optical properties of liquid nanodisperse systems (Russia)</p>	<p>16:40–17:00 A08 <u>D. KOSIOR</u>; J. ZAWAŁA; K. MALYSA. Bubble bouncing and kinetics of the three-phase contact formation at hydrophobic surface in <i>n</i>-octanol solution (Poland)</p> <p>17:00–17:20 A09 <u>S. BĀRÁNY</u>. Electrokinetic potential and flocculation of suspensions by polyelectrolyte mixtures (Hungary)</p> <p>17:20–17:40 A10 <u>M. MIRNEZAMI</u>; Pengbo CHU; J. A. FINCH. Quantifying non-hydrophobic particle–bubble attachment (Canada)</p>	<p>16:40–17:00 C08 <u>L. A. TSARKOVA</u>; A. MANOVA; J. KÖHLER; C. POPESCU; H. KEUL; A. BÖKER; M. MÖLLER. Interfacial assembly of amphiphilic nanoparticles from poly(ethylene oxide)-<i>b</i>-polycaprolacton block-copolymers for designing of biomaterials (Germany)</p> <p>17:00–17:20 C09 <u>Yu. A. ANTONOV</u>; P. MOLDENAERS. Inducing mixing in concentrated biopolymer emulsions in the presence of strong polyelectrolyte (Russia)</p> <p>17:20–17:40 C10 <u>K. M. MARAKULINA</u>; I. G. PLASCHINA; I. V. FEDOROVA; I. Yu. CHUKICHEVA; A. V. KUTCHIN; L. N. SHISHKINA. Interrelation of isobornylphenols structure and their ability to influence micelle formation of natural phospholipids in non-polar solvent (Russia)</p>
<p>18:00–19:20 <u>Ye. A. MORGUNOVA</u>. Introduction to the Russian copyright law = Введение в российское авторское право (<i>free lecture; in Russian</i>)</p>			

Wednesday, 03 July 2013

PLENARY SESSION II			
<p>09:00–09:40 PL3 <u>P. A. KRALCHEVSKY</u>; K. D. DANOV; S. E. ANACHKOV. Quantitative approaches to micellar equilibria, growth and dynamics (Bulgaria)</p>			
<p>09:40–10:20 PL4 <u>A. M. MUZAFAROV</u>; A. V. BYSTROVA; I. B. MESHKOV. Macromolecular nanoobjects and lyophilic colloids: new intersections of colloid and polymer chemistry (Russia)</p>			
<p align="center">10:20–10:40 Coffee break</p>			
L. LYOPHILIC COLLOID SYSTEMS (CONTINUED)	N. NANOMATERIALS (CONTINUED)	A. ADSORPTION AND SURFACE PHENOMENA (CONTINUED)	C. SURFACTANTS, EMULSIONS, FOAMS (CONTINUED)
<p>10:40–11:10 L11K <u>S. N. SHTYKOV</u>. Liquid micellar and solid nanoobjects in chemical analysis: a comparative description of peculiarities and achievements (Russia)</p> <p>11:10–11:30 L12 <u>B. CATTOZ</u>; O. ELKADY; Y. ESPIDEL; P. GRIFFITHS. Polymeric micelle disruption by cosolvents and surfactants: effects of alcohol chain length and surfactant charge (UK)</p> <p>11:30–11:50 L13 <u>N. N. KOCHUROVA</u>; O. P. KOROTKIKH; E. R. AIRAPETOVA; N. G. ABDULIN; G. PETZOLD. Intrinsic viscosity and conductivity of aqueous micellar solutions of surfactants at CMC (Russia)</p> <p>11:50–12:10 L14 <u>V. F. RAZUMOV</u>; S. A. TOVSTUN. Reverse micelles and microemulsions: structure, properties and applications (Russia)</p>	<p>10:40–11:10 N11K <u>M. MIGUEL</u>; C. MORÁN; D. COSTA; B. LINDMAN. DNA-based gels and nanoparticles (Portugal)</p> <p>11:10–11:30 N12 <u>G. B. KHOMUTOV</u>; V. P. KIM; Yu. A. KOKSHAROV; P. A. KORMAKOVA; K. V. POTAPENKOV; A. A. RAKHNYANSKAYA; A. A. YAROSLAVOVA; A. V. SYBACHIN; E. G. YAROSLAVOVA; A. B. ERMAKOV; E. G. GLUKHOVSKOY; D. A. GORIN; Yu. V. GULYAEV; V. A. CHEREPENIN; V. A. VDOVIN; I. V. TARANOV; V. V. FAIKIN. New colloid nanocomposite vesicles and capsules based on the complexes of polymers, lipids, amphiphiles, and functional nanoparticles: synthesis, structure, properties and remote activation (Russia)</p> <p>11:30–11:50 N13 <u>A. A. RUDOV</u>; L. A. TSARKOVA; I. I. POTEMKIN. Responsive structural behavior of lamella microdomains upon swelling of block copolymer films (Germany)</p> <p>11:50–12:10 N14 <u>V. V. SAMOSHIN</u>; N. M. SAMOSHINA; LIU Xin; ZHENG Yu; A. H. FRANZ; GUO Xin. Flipsomes: pH-sensitive liposomes containing <i>trans</i>-2-aminocyclohexanol-based amphiphile that performs conformational flip and triggers an instant cargo release in acidic medium (USA)</p>	<p>10:40–11:10 A11K <u>S. L. SELEKTOR</u>; V. V. ARSLANOV. Surface pressure as governing factor for the tuning of characteristics of Langmuir monolayers and ultrathin films of conjugated organic compounds (Russia)</p> <p>11:10–11:30 A12 <u>M. N. SHAPOSHNIKOV</u>; S. Yu. ZAITSEV; D. B. CHUDAKOV; A. A. RIZVANOV; I. S. ZAITSEV; D. MÖBIUS. Interaction of photoactivated precursor and fluorescent dye with model membranes and cells (Russia)</p> <p>11:30–11:50 A13 <u>S. A. KISLENKO</u>; R. H. AMIROV; I. S. SAMOYLOV. The effect of cations on the TiO₂–acetonitrile interface structure: a molecular dynamics study (Russia)</p> <p>11:50–12:10 A14 <u>K. KOVALCHUK</u>; E. RICCARDI; B. A. GRIMES. Molecular dynamic study of carboxylic acids at the water–oil interface: determination of area per molecule and second surface virial coefficient (Norway)</p>	<p>10:40–11:10 C11K Jae Kyum KIM; Tae Young CHUN; Young Woo NAM; <u>Joung Sook HONG</u>. Interfacial tension reduction effect of nanoclay in oil-in-water emulsion (South Korea)</p> <p>11:10–11:30 C12 <u>G. RODIONOVA</u>; S. KELEŞOĞLU; J. SJÖBLOM. Electrorheological behavior of water in crude oil emulsions (Norway)</p> <p>11:30–11:50 C13 <u>A. M. NAZARI</u>; P. W. COX; K. E. WATERS. Probing the stability of EWP stabilised air-filled emulsion (Canada)</p> <p>11:50–12:10 C14 <u>L. R. HARUTYUNYAN</u>; R. S. HARUTYUNYAN. Study of the colloidal properties of aqueous solutions of surfactants in the presence of amino acids (Armenia)</p>
<p align="center">12:10–13:30 Lunch time</p>			

Wednesday, 03 July 2013 (continued)

L. LYOPHILIC COLLOID SYSTEMS (CONTINUED)	N. NANOMATERIALS (CONTINUED)	S. STABILITY OF COLLOID SYSTEMS	I. INTERFACE RHEOLOGY, MICROFLUIDICS, SUPERHYDRO- PHOBIC SURFACES
<p>13:30–13:50 L15 <u>Yu. F. ZUEV</u>; B. Z. IDIYATULLIN; O. S. ZUEVA; K. S. POTARIKINA; O. G. US'YAROV. Association of alkali metals dodecyl sulfates in water solutions (Russia)</p> <p>13:50–14:10 L16 <u>R. R. KASHAPOV</u>; T. N. PASHIROVA; S. V. KHARLAMOV; A. Yu. ZIGANSHINA; E. P. ZILTSOVA; S. S. LUKASHENKO; L. Ya. ZAKHAROVA; Sh. K. LATYPOV; A. I. KONOVALOV. Surfactant–calix[4]resorcinol aggregates as nanocontainers for controlled release (Russia)</p> <p>14:10–14:30 L17 <u>S. A. TOVSTUN</u>; V. F. RAZUMOV. Calculation of the free energy of reverse micelles of ionic surfactants (Russia)</p> <p>14:30–14:50 L18 <u>A. LAOUINI</u>; K. P. KOUTROUMANIS; C. CHARCOSSET; S. GEORGIADOU; H. FESSI; R. G. HOLDICH; G. T. VLADISAVLJEVIĆ. pH-sensitive micelles for targeted drug delivery prepared with a novel method using a membrane contactor (France)</p>	<p>13:30–14:00 N15K <u>M. Yu. KOROLEVA</u>; E. V. YURTOV. Nanoemulsion: formation and basic properties (Russia)</p> <p>14:00–14:20 N16 <u>A. K. SHUKLA</u>; R. SHANKAR; R. M. V.G. K. RAO. Recent advances in cationic aqueous epoxy nanocompositions and their electrodeposition (India)</p> <p>14:20–14:40 N17 <u>D. J. JOVANOVIĆ</u>; T. V. GAVRILOVIĆ; M. G. NIKOLIĆ; M. D. DRAMIĆANIN. Reverse micelles as nanoreactors for synthesis undoped and rare-earth-doped GdVO₄ nanoparticles (Serbia)</p> <p>14:40–15:00 N18 <u>I. V. BLAGODATSKIKH</u>; O. V. VYSHIVANNAYA; N. A. SAMOILOVA; M. A. KRAYUKHINA. Maleic acid copolymers as stabilizers of silver nanoparticles: study of solutions and sols by light scattering (Russia)</p>	<p>13:30–14:00 S01K <u>V. R. ESTRELA-LLOPIS</u>. The change of the dispersion medium composition in the presence of alive disperse phase (biological cells and microorganisms): the workable methodological base for the biocolloid science (Ukraine)</p> <p>14:00–14:20 S02 <u>L. N. SHISHKINA</u>; M. A. KLIMOVICH; D. V. PARAMONOV; V. I. TROFIMOV. Physicochemical properties and composition of liposomes from natural lipids under the different formation conditions (Russia)</p> <p>14:20–14:40 S03 <u>S. V. ITS KOV</u>; V. D. SOBOLEV; N. E. ESIPOVA. Thickness and conductivity of wetting films on quartz surface (Russia)</p> <p>14:40–15:00 S04 <u>S. R. MADUAR</u>; R. TSEKOV; O. I. VINOGRADOVA. Electrostatic interaction of neutral semipermeable membranes in electrolyte solution (Russia)</p>	<p>13:30–14:00 I01K <u>O. I. VINOGRADOVA</u>. Superhydrophobic textures for micro- and nanofluidics (Russia)</p> <p>14:00–14:20 I02 <u>P. G. PITTONI</u>; Shi-Yow LIN. Impingement dynamics of water drops onto four graphite morphologies: from triple line recoil to pinning (Taiwan)</p> <p>14:20–14:40 I03 <u>K. D. DANOV</u>; P. A. KRALCHEVSKY; G. M. RADULOVA; S. D. STOYANOV. Surface shear and dilational rheology of hydrophobin adsorption layers: laws of viscoelastic behavior (Bulgaria)</p> <p>14:40–15:00 I04 <u>A. T. AKHMETOV</u>; V. A. DOKICHEV; A. A. RAKHIMOV; A. A. VALIEV. Hydrodynamic features of emulsions w/o in microchannels (Russia)</p>
<p>15:00–16:20 Coffee break + POSTER SESSION II (sections C, S, I, P, B, T, M)</p>			
P. COLLOID CHEMISTRY OF POLYMERS	N. NANOMATERIALS (CONTINUED)	S. STABILITY OF COLLOID SYSTEMS (CONTINUED)	I. INTERFACE RHEOLOGY, MICROFLUIDICS, SUPERHYDRO- PHOBIC SURFACES (CONTINUED)
<p>16:40–17:10 P01K <u>L. A. TSARKOVA</u>. Interfacial and confinement effects on the swelling behavior of thin polymer films (Germany)</p> <p>17:10–17:30 P02 <u>M. G. TOKMACHEV</u>; N. B. FERAPONTOV. Polymer gel structure findings resulted from swelling investigations (Russia)</p> <p>17:30–17:50 P03 <u>Yu. G. BOGDANOVA</u>; V. D. DOLZHIKOVA; A. A. YUSHKIN; A. N. FILIPPOV. Contact angle measurements for polymer membranes (Russia)</p>	<p>16:40–17:10 N19K <u>Yu. A. BARNAKOV</u>; T. TUMKUR; J. LIVENERE; Atsuo KASUYA; R. SIVAMOHAN; Kazuyuki TOHJI; Osamu TERASAKI; Zheng LIU; R. V. BELOSLUDOV; V. SUNDARARAJAN; Yoshiyuki KAWAZOE; I. M. DMITRUK; A. M. DMITRUK; S. V. MAMYKIN; V. R. ROMANYUK; V. P. PETRANOVSKII. Nanostructured materials: from nano- to meta- (USA)</p> <p>17:10–17:30 N20 <u>G. A. SHAFEEV</u>; A. V. SIMAKIN; <u>S. F. TIMASHEV</u>. Laser generation of beryllium nanoparticles in liquids and their influence on the activity of nuclides (Russia)</p> <p>17:30–17:50 N21 <u>T. G. SHUTAVA</u>; O. A. MASALOVA; V. I. KULIKOUSKAYA; A. N. KRASKOUSKI; V. E. AGABEKOV. Evaluation of adsorption properties of polysaccharide nanoparticles using Nile red as a solvatochromic fluorescent probe (Belarus)</p>	<p>16:40–17:00 S05 <u>E. D. SHCHUKIN</u>; A. M. PARFENOVA; E. A. AMELINA. Structure- mechanical properties of adsorption layers stabilizing emulsions with fluorinated components (Russia)</p> <p>17:00–17:20 S06 <u>E. FEITOSA</u>; R. D. ADATI. Thermal and phase behavior of cationic dioctadecyldimethylammonium bromide and poly(allylamine hydrochloride) in aqueous solution (Brazil)</p> <p>17:20–17:40 S07 <u>A. M. TOKAREV</u>; M. Yu. KOROLEVA; E. V. YURTOV. Simulation of flocculation and emulsion stabilization by nanoparticles (Russia)</p>	<p>16:40–17:00 I05 <u>S. A. PATLAZHAN</u>; S. A. VAGNER; I. V. KRAVCHENKO. Dynamic behavior of composite droplets under shear flow in a narrow channel. Numerical modeling (Russia)</p> <p>17:00–17:20 I06 <u>V. S. TSEPELEV</u>; <u>O. A. CHIKOVA</u>; V. V. WEIKHIN; A. N. KONSTANTINOV. Microheterogeneity of liquid Fe–Cu alloys (Russia)</p> <p>17:20–17:40 I07 <u>A. N. FILIPPOV</u>; V. I. IVANOV. The model for increasing flux through hydrophobic membranes during pore opening process in the course of nanofiltration of aqueous– alcohol mixtures (Russia)</p>
<p>Gala Dinner (starts in 19:30)</p>			

Thursday, 04 July 2013

P. COLLOID CHEMISTRY OF POLYMERS (CONTINUED)	B. NATURAL DISPERSE SYSTEMS, BIONANOTECHNOLOGY, COLLOID CHEMISTRY OF ALIMENTARY PRODUCTS	T. THEORETICAL ISSUES OF COLLOID CHEMISTRY AND PHYSICOCHEMICAL MECHANICS	M. MECHANOCHEMISTRY, PHYSICOCHEMICAL MECHANICS, RHEOLOGY OF COMPLEX LIQUIDS
<p>09:00–09:30 P04K <u>I. M. ZORIN</u>; I. A. MAKAROV; N. I. MATUSHKIN; P. A. FETIN; A. SMIRNOVA; A. HALIKOVA; T. M. SHCHERBININA; A. Yu. BILIBIN. Micelle-forming monomers: design, polymerization and properties of the polymers (Russia)</p> <p>09:30–09:50 P05 N. M. SMIRNOVA; T. A. BORODULINA; E. V. BERMESHEVA; A. V. KHARENKO; S. O. ILYIN; <u>S. V. ANTONOV</u>. Phase state of the hydroxypropylcellulose–polyethylene glycol–water blends (Russia)</p> <p>09:50–10:10 P06 <u>V. R. AKHMETOVA</u>; A. B. MINNEBAEV. Hydrogels of amine-containing polymers: modification in sulphur-containing derivatives and their properties (Russia)</p>	<p>09:00–09:30 B01K <u>V. I. OSIPOV</u>. Physicochemical theory of effective stress in soils (Russia)</p> <p>09:30–09:50 B02 <u>V. Yu. TRASKINE</u>; Z. N. SKVORTSOVA; D. N. ZUBOV. Physicochemical mechanics of rock salt (Russia)</p> <p>09:50–10:10 B03 <u>V. N. SOKOLOV</u>. Physicochemical models of dispersed porous structures in clay soils (Russia)</p>	<p>09:00–09:30 T01K <u>N. B. URIEV</u>. Physicochemical dynamics and ultrahigh fluidity of the structured nano- and colloid systems (Russia)</p> <p>09:30–09:50 T02 <u>I. V. KUCHIN</u>; N. B. URIEV. Simulation of microstructural parameters of dispersions under conditions of shear and oscillation influence (Russia)</p> <p>09:50–10:10 T03 <u>P. E. DYSHLOVENKO</u>. Osmotic stress tensor and elastic constants of charge stabilized colloidal crystals (Russia)</p>	<p>09:00–09:30 M01K <u>A. N. STRELETSKII</u>; A. B. BORUNOVA; P. Yu. BUTYAGIN. Development of energy approach to analysis of the mechanochemical transformation dynamics (Russia)</p> <p>09:30–09:50 M02 V. A. TIMOSHENKO; V. E. BOCHENKOV; V. Yu. TRASKINE; <u>P. V. PROTSENKO</u>. Interfacial thermodynamics of molten Pb–solid Cu system (Russia)</p> <p>09:50–10:10 M03 <u>B. V. POKIDKO</u>; G. A. SIMAKOVA; A. A. HAZOVA. Lubricants synthesis on the base of structured organosilicate dispersions (Russia)</p>
10:10–10:20 Break			
<p>10:20–10:40 P07 D. ALHAZOV; A. GRADYS; P. SAJKIEWICZ; E. ZUSSMAN; <u>A. ARINSTEIN</u>. Thermo-mechanical behavior of electrospun thermoplastic polyurethane nanofibers (Israel)</p> <p>10:40–11:00 P08 <u>V. G. MATVEEVA</u>. Surface characteristics of polymer solutions as one of the aspects to understanding the polymer-stabilizing catalyst synthesis and behaviour (Russia)</p> <p>11:00–11:20 P09 <u>S. A. BOGDANOVA</u>; A. O. EBEL; N. V. SAUTINA; O. R. SHASHKINA; W. P. BARABANOV. The effect of amphiphilic additives on the surface functionalization of polymer materials (Russia)</p>	<p>10:20–10:40 B04 <u>I. I. LISHTVAN</u>. Features of colloid chemistry of natural disperse systems (Belarus)</p> <p>10:40–11:00 B05 <u>M. A. NEKRASOVA</u>; S. N. SIDORENKO. The effect of potassium humate concentration on the zeta potential at the contaminated loamy urban soils (Russia)</p> <p>11:00–11:20 B06 <u>V. D. TSCHUKINA</u>; V. A. KHOLODOV; A. M. PARFENOVA; E. V. LASAREVA; N. U. GRECHISHEVA; I. V. PERMINOVA. Effectiveness of humic-clay complexes as oil spill dispersants (Russia)</p>	<p>10:20–10:40 T04 <u>A. V. NEVIDIMOV</u>; V. F. RAZUMOV. Molecular dynamics simulation of reverse micelles: problems after 25 years of investigations (Russia)</p> <p>10:40–11:00 T05 <u>E. N. BRODSKAYA</u>. Molecular dynamics study of solvent contribution to EDL of macroions (Russia)</p> <p>11:00–11:20 T06 <u>V. Y. SMORODIN</u>. Fundamentals of modern theory of coagulation of heterophilic colloids (beyond the DLVO model) (Russia)</p>	<p>10:20–10:40 M04 <u>E. A. KARPUSHKIN</u>; M. DUŠKOVÁ-SMRČKOVÁ; K. DUŠEK. Polymer hydrogels: heterogeneous structure and deformation behavior (Russia)</p> <p>10:40–11:00 M05 <u>V. I. LESIN</u>; I. A. KLEPIKOV; A. L. GOLANOV. Fuel viscosity dependencies on shear rate and temperature: petroleum colloidal particles fractal aggregates manifestation (Russia)</p> <p>11:00–11:20 M06 S. R. DERKACH; <u>A. A. MAKRAKOVA</u>; N. G. VORONKO; S. O. ILYIN. Viscoelasticity and structure of κ-carrageenan–gelatin hydrogels (Russia)</p>
11:20–11:40 Coffee break			
P. COLLOID CHEMISTRY OF POLYMERS (CONTINUED)	B. NATURAL DISPERSE SYSTEMS, BIONANOTECHNOLOGY, COLLOID CHEMISTRY OF ALIMENTARY PRODUCTS (CONTINUED)	T. THEORETICAL ISSUES OF COLLOID CHEMISTRY AND PHYSICOCHEMICAL MECHANICS (CONTINUED)	M. MECHANOCHEMISTRY, PHYSICOCHEMICAL MECHANICS, RHEOLOGY OF COMPLEX LIQUIDS (CONTINUED)
<p>11:40–12:10 P10K <u>A. V. BILALOV</u>; U. OLSSON; B. LINDMAN. Complexation between DNA and surfactants and lipids: phase behavior and molecular organization (Russia)</p> <p>12:10–12:30 P11 <u>Yu. A. ANTONOV</u>. Particle-destabilized semidilute biopolymer mixtures (Russia)</p> <p>12:30–12:50 P12 N. A. BULIENKOV; <u>E. A. ZHELIGOVSKAYA</u>; V. V. KLECHKOVSKAYA. System-forming role of bound water in formation of mineral composites in organic matrix (Russia)</p>	<p>11:40–12:10 B07K <u>S. Yu. ZAITSEV</u>. Supramolecular biochemical systems as promising materials for bionanotechnology (Russia)</p> <p>12:10–12:30 B08 <u>Ya. A. MASYUTIN</u>; R. I. KLYUKIN. Lignocellulosic feedstock pretreatment by hydrogen peroxide-induced oxidation in the presence of colloidal iron (III) oxide (Russia)</p> <p>12:30–12:50 B09 <u>I. T. SMYKOV</u>. Microflows in mechanism of milk gelation (Russia)</p> <p>12:50–13:10 B10 <u>A. Yu. SHIRONINA</u>; S. R. DERKACH; V. Yu. NOVIKOV; V. A. MUKHIN; Yu. A. KUCHINA. Protein hydrolysates: kinetic of their obtaining and colloidal properties (Russia)</p>	<p>11:40–12:00 T07 <u>V. M. STAROV</u>; S. SEMENOV; A. TRYBALA; R. RUBIO; H. AGOGO; A. OKOYE; F. ORTEGA. Kinetics of evaporation of sessile droplets: pure liquids, surfactant solutions, nanofluids (UK)</p> <p>12:00–12:20 T08 V. B. WARSHAVSKY; T. S. PODGUZOVA; <u>D. V. TATYANENKO</u>; A. K. SHCHEKIN. Vapor nucleation on a wettable nanoparticle carrying an adsorbed elementary electric charge (Russia)</p> <p>12:20–12:40 T09 <u>Tzu-Hsien HSIEH</u>; Huan-Jang KEH. Motions of a charged colloidal sphere in an arbitrary electrolyte solution induced by magnetohydrodynamic effect (Taiwan)</p>	<p>11:40–12:00 M07 O. A. SEMINA; <u>D. V. SHMELOVA</u>; S. V. PASECHNIK. Anisotropic shear viscosities of liquid crystals stabilized by surfaces (Russia)</p> <p>12:00–12:20 M08 <u>K. V. MOISEEV</u>. Free convection of non-Newtonian anomalously thermoviscous fluid in the flat cell (Russia)</p> <p>12:20–12:40 M09 <u>S. F. KHIZBULLINA</u>; S. F. URMANCHEEV. Numerical modeling of anomalous thermoviscous non-Newtonian fluid flow (Russia)</p>

Poster session I. Section L. LYOPHILIC COLLOID SYSTEMS

- LP01** F. S. PENA; E. R. DOS REIS; E. M. D. NICOLA; I. E. BORISSEVICH. Interaction of protoporphyrin IX synthetic and extracted from *Rattus norvegicus* albinos harderian gland with micelles (Brazil)
- LP02** E. G. DUKHANINA; Z. Sh. IDIYATULLIN; V. P. ARKHIPOV; Yu. V. SHULEVICH; A. V. NAVROTSKI; I. A. NOVAKOV. Sodium dodecyl sulphate and cationic monomer interaction: NMR self-diffusion measurements (Russia)
- LP03** G. A. GAYNANOVA; A. R. VALIAHMETOVA; D. A. KURYASHOV; N. Yu. BASHKIRTSEVA; L. Ya. ZAKHAROVA. Effect of silica nanoparticles on the properties of zwitterionic surfactant (Russia)
- LP04** G. A. GAYNANOVA; G. I. VAGAPOVA; I. V. GALKINA; I. Kh. RIZVANOV; L. Sh. NIGMATULLINA; D. M. ARHIPOVA; V. V. ERMOLAEV; V. A. MILUKOV; L. Ya. ZAKHAROVA. Supramolecular systems based on amphiphilic phosphonium salts (ionic liquids) as effective catalytic additives for Suzuki reaction (Russia)
- LP05** N. A. GLUKHAREVA; G. V. PROKHOROVA; A. A. TIKHOVA; A. L. TROFIMOV. Study of binary mixtures containing disodium monoalkylsulfosuccinate and nonionic surfactants in aqueous solutions (Russia)
- LP06** M. A. GRADOVA; A. V. LOBANOV. The aggregation behavior of zinc (II) tetrasulfophenyl-porphyrin in surfactant and polyelectrolyte media (Russia)
- LP07** S. V. GUSEV. Surfactant–inorganic salts–water extraction systems and micelles geometry study (Russia)
- LP08** A. V. IVANCHIKHINA; S. A. TOVSTUN; V. F. RAZUMOV. The influence of surfactant polydispersity on reverse microemulsion structure (Russia)
- LP09** K. KAUR. Nanoemulsions: a new media for enhancing solubility and stability of curcumin (India)
- LP10** T. G. MOVCHAN; N. R. KHLEBUNOVA; E. V. PLOTNIKOVA. The viscosity of aqueous solutions of alkyltrimethylammonium bromides (Russia)
- LP11** M. S. KOCHETOV. Modeling of local structure of micellar surface layer (Russia)
- LP12** D. O. KOLOMYTKIN; I. V. ELMANOVICH; M. O. GALLYAMOV. PMMA-PsfMA micells for controlling fluoropolymer surroundings of platinum nanoparticles (Russia)
- LP13** N. P. KRUTKO; O. N. OPANASENKO; O. L. ZHIGALOVA; O. V. LUKSHA. Influence of saturated hydrocarbons on changing of the micellar structure of alcohol water solutions of mixtures of cationic surfactants (Belarus)
- LP14** N. M. SELIVANOVA; D. V. MAKAROVA; M. A. KUZOVKOVA; Yu. G. GALYAMETDINOV. Characteristics of micelles and vesicles forming in the solutions of nonionic surfactants in the present decanol and lanthanum ions (Russia)
- LP15** A. B. MIRGORODSKAYA; E. I. YACKEVICH; M. A. VORONIN; L. Ya. ZAKHAROVA; A. I. KONOVALOV. Mono- and dicationic surfactants with morpholinium fragment at the head group: aggregation behavior, catalytic activity and the complexing with the DNA decamer (Russia)
- LP16** V. S. MOLCHANOV; A. L. KVYATKOVSKY; O. E. PHILIPPOVA. Ions effect on rheology of surfactant solutions (Russia)
- LP17** T. G. MOVCHAN; E. V. PLOTNIKOVA; O. G. US'YAROV. Percolation in micellar solutions of ionic surfactants (Russia)
- LP18** G. V. MUDZHIKOVA; E. N. BRODSKAYA. Molecular simulation of AOT reverse micelles in nonpolar media (Russia)
- LP19** N. M. MURASHOVA; E. V. YURTOV. Lecithin organogel and liquid crystals in the phospholipid concentrate–vaseline oil–water system: properties and application (Russia)
- LP20** J. NARKIEWICZ-MICHAŁEK; A. SIENKIEWICZ; M. SZYMULA; C. BRAVO-DÍAZ. Effects of pH and temperature on the electrochemical behavior of arenediazonium ions in the surfactant solutions (Poland)
- LP21** O. L. ZHIGALOVA; O. V. LUKSHA; N. P. KRUTKO; O. N. OPANASENKO. Intermolecular interactions in the binary mixes of the surfactants of the varying nature (Belarus)
- LP22** T. N. PASHIROVA; E. P. ZHILTSOVA; S. S. LUKASHENKO; F. G. VALEEVA; N. K. GAYSIN; O. I. GNEZDILOV; R. F. GIMRANOVA; L. Ya. ZAKHAROVA; A. I. KONOVALOV. Micellization, solubilization and catalytic properties of mono-, bis- and tetraquaternary salts of 1,4-diazabicyclo[2.2.2]octane (Russia)
- LP23** T. N. PASHIROVA; L. N. MURTAZINA; E. P. ZHILTSOVA; S. S. LUKASHENKO; E. D. SULTANOVA; A. Yu. ZIGANSHINA; L. Ya. ZAKHAROVA; A. I. KONOVALOV. Micellization of systems based on sulfonatomethylated calix[4]resorcinarene cationic surfactant (Russia)
- LP24** I. PORTNAYA; Sh. AVNI; R. KHALFIN; E. KESSELMAN; U. COGAN; D. DANINO. Self-association and mixed micellization of beta- and kappa-caseins of cow milk (Israel)
- LP25** K. S. POTARIKINA; Yu. F. ZUEV; O. G. US'YAROV. Conductivity in micellar solutions of ionic surfactants (Russia)
- LP26** E. A. SAFONOVA; A. S. KONEVA; Yu. S. CHERNYSHOV; N. A. SMIRNOVA. Structural and phase behavior of water-in-oil microemulsions and micellar solutions of two mixed nonionic surfactants Tween-80–Span-80 (Russia)

LP27 S. V. SHILOVA; A. N. BEZRUKOV; O. A. ZINUROVA; A. Ya. TRETYAKOVA; W. P. BARABANOV. Micellization of sodium alkylsulfates in aqueous-alcohol solutions in the presence of cationic polyelectrolytes (Russia)

LP28 S. N. SHTYKOV; V. N. KARTSEV. A model approach to the thermodynamics of micellar and microemulsion systems (Russia)

LP29 O. A. INOZEMTSEVA; D. A. GORIN; S. N. SHTYKOV. Surface modification of the microspheres with quantum dots using layer-by-layer assembly method (Russia)

LP30 T. A. KONSTANTINOVA; O. A. INOZEMTSEVA; H. A. METWALLY; A. M. ZAKHAREVICH; A. A. SKAPTSOV; D. A. GORIN; S. N. SHTYKOV. Synthesis of sub-micron vaterite particles for biomedical applications (Russia)

LP31 V. D. YAKOVLEV. Practical application of critical micelle concentration (CMC) (Russia)

LP32 N. K. ZAITSEV; E. A. OSIPOVA; D. M. FEDULOV. The use of micellar systems in electroanalytical chemistry (Russia)

LP33 Yu. F. ZUEV; B. Z. IDIYATULLIN; M. A. VORONIN; I. Yu. STROBYKINA; V. E. KATAEV; L. Ya. ZAKHAROVA; O. S. ZUEVA. Micellization of novel cationic isosteviol-based surfactants studied by means of NMR technique (Russia)

Poster session I. Section N. NANOMATERIALS

NP01 I. V. AKSENOVA; A. A. AGEEV; V. A. VOLKOV; A. F. ELEEV; E. L. TSCHUKINA. Investigation of obtaining hydro- and oleophobic fibrous materials using fluorine-containing surface active substances (Russia)

NP02 A. V. ALEXANDROV; N. N. GAVRILOVA; V. V. NAZAROV. Synthesis and some colloidal properties of WO₃ hydrosols (Russia)

NP03 M. N. ARTEMENKO; S. P. MOLCHANOV; G. A. YURASIK; V. G. NAZAROV; V. P. STOLYAROV. Structure and properties of patterns of micro- and nanoparticles, formed from drops of their colloidal solutions under evaporation on polymeric substrates (Russia)

NP04 N. Sh. ASHUROV; V. O. KUDYSHKIN; A. M. FUTORYANSKAYA; S. M. YUGAY; S. Sh. RASHIDOVA. Synthesis and UF-spectroscopy investigation of lead sulphide nanoparticles (Uzbekistan)

NP05 N. ATAR; H. YÖNDEMLİ; İ. H. GÜBBÜK; M. ERSÖZ; Z. ÜSTÜNDAĞ. A novel SERS biosensing platform based on various shape nanodendrimers and their DNA arrays detection applications (Turkey)

NP06 N. P. BEREZINA; S. A. SHKIRSKAYA; I. V. FALINA; O. A. DYOMINA. Reorganization of the micellar structure of perfluorinated sulfocationic membranes in the process of nanocomposite materials preparation (Russia)

NP07 N. A. BULYCHEV; V. N. FOMIN; E. B. MALYUKOVA; O. A. GOLIKOVA; V. M. GORCHAKOVA. Application of wave technology for creation of nonwoven-based composite materials (Russia)

NP08 E. J. CABRERA; R. AMADE; L. JALLER; E. PASCUAL; E. BERTRAN. Patterned CNTs grown by PECVD using 2d-colloidal crystal masks (Spain)

NP09 K. A. STRELETZKY; P. DEE; O. V. DEMENT'eva; V. M. RUDOY. Depolarized dynamic light scattering study of FeOOH spindle in solution (Russia)

NP10 R. D. DESHPANDE; D. V. GOWDA. Nasal drug delivery of promethazine hydrochloride solid lipid nanoparticles for the treatment of motion sickness in astronauts during their space mission (India)

NP11 L. D. FATKULLINA; A. V. KRIVANDIN; O. V. SHATALOVA; A. N. GOLOSCHAPOV; E. B. BURLAKOVA. Structural changes of multilayer liposomes under the action of hybrid antioxidant ICHPHAN according to small-angle X-ray scattering data (Russia)

NP12 A. A. FEDOROVA; D. D. FROLOV; L. G. LEBEDEV; Yu. N. KOTOVSHCHIKOV; I. V. MOROZOV. Synthesis of complex oxides Ce_{0.5}Zr_{0.5}O₂-SiO₂ using β-cyclodextrin (Russia)

NP13 A. R. GATAOULLINE; S. A. BOGDANOVA; Yu. G. GALYAMETDINOV. Nonionic surfactants in carbon nanotubes dispersing processes (Russia)

NP14 Hsu Lien-Chung; SHEN Cheng-Hsun. Polybenzimidazole–silica nanocomposite membranes for proton exchange membrane fuel cells (Taiwan)

NP15 G. B. KHMUTOV; K. V. POTAPENKOV; Yu. A. KOKSHAROV. Self-organized colloidal nanocomposite free-standing low-dimensional structures (Russia)

NP16 P. RAMASAMY; P. CHANDRA; RHEE Seog Woo; Kim Jinkwon. Synthesis and bioimaging of highly luminescent upconversion nanocrystals of Fe³⁺ doped NaGdF₄:Yb,Er (South Korea)

NP17 A. I. KLIMOV. Colloidal silver stabilized with biologically active surfactants as the basis for the new generation of veterinary products (Russia)

NP18 N. E. KOCHKINA; O. A. SKOBELEVA; V. A. PADOKHIN. Characterization of silver nanoparticles obtained by solid-phase mechanochemical method with the use of native starch (Russia)

NP19 E. V. KOROBKO; N. A. BEDIK; M. A. ZHURASKI; Z. A. NOVIKOVA; A. A. BARTASHEVICH. Modification of polyvinyl acetate glue compositions for wood on a basis of introducing carbon and silicate nanomaterials (Belarus)

NP20 S. N. KOSTENKO; A. N. ZAKHAROV; I. G. PANOVA; V. V. SPIRIDONOV; I. N. TOPCHIEVA. Structure organization of "core-shell" cyclodextrin–inorganic salt/oxide adduct (Russia)

- NP21** S. N. KOSTENKO; V. V. SPIRIDONOV; I. G. PANOVA; A. N. ZAKHAROV; I. N. TOPCHIEVA. Water soluble iron-containing adduct of hydroxypropyl- β -cyclodextrin (Russia)
- NP22** S. O. KRYKLIJA; Yu. M. SAMCHENKO; O. I. KOROTYCH; V. V. KONOVALOVA; M. L. MALYSHEVA; Z. R. ULBERG. Hydrogel nanocomposites based on acrylic monomers with incorporated nano-sized silver (Ukraine)
- NP23** V. I. KULIKOUSKAYA; T. G. SHUTAVA; V. E. AGABEKOV. Entrapment and release of bovine serum albumin from chitosan nanoparticles (Belarus)
- NP24** Li Yongjun; Liu Huibiao; Li Yuliang. Nanometer-sized reactor—a porphyrin-based model system for anion species (China)
- NP25** Liu Huibiao; Li Yongjun; Li Yuliang. Construction and optical-electrical properties of inorganic–organic hybrid nanostructures (China)
- NP26** Li Yuliang. Architecture and properties of several molecular aggregate nanostructures (China)
- NP27** Liu Pengchao; MA Jinghong; GONG Jinghua; YANG Shuguang; XU Jian. Sol-gel synthesis of mullite precursor with DMF as solvent and electrospun nanofibers (China)
- NP28** A. B. MIRGORODSKAYA; A. R. IBRAGIMOVA; E. A. VASILIEVA; E. I. YACKEVICH; G. A. GAINANOVA; L. Ya. ZAKHAROVA; A. I. KONOVALOV. Polyelectrolyte capsules with tunable shell behavior fabricated by the layer-by-layer coating of small organic substrates (Russia)
- NP29** A. G. MURADOVA; E. V. YURTOV. Synthesis of Fe₃O₄ nanoparticles with controlled size and shape (Russia)
- NP30** I. Y. MYASNIKOV; M. G. CHERNYSHEVA; G. A. BADUN. Change of colloidal chemical properties of nanodiamond after the adsorption of myramistin (Russia)
- NP31** T. Yu. NAGOVITSYNA; M. Yu. KOROLEVA. Nanoemulsion with Tween-80 and Span-80 prepared by low-energy and high-energy emulsification methods (Russia)
- NP32** T. R. NIZAMOV; I. V. YEVSFAIEV; A. Yu. OLENIN; G. V. LISICHKIN. Effect of HAuCl₄ at seed formation on silver nanorod further growth in micellar medium (Russia)
- NP33** E. V. SAVINKINA; L. N. OBOLENSKAIA; G. M. KUZMICHEVA. Precipitation conditions and photocatalytic properties of the η -titania (Russia)
- NP34** S. Zh. OZKAN; G. P. KARPACHEVA; P. A. CHERNAVSKII. Metal-polymer nanostructured hybrid materials based on polydiphenylamine and conanoparticles (Russia)
- NP35** N. V. AVRAMENKO; M. V. KOROBOV; N. I. IVANOVA; A. M. PARFENOVA; V. M. SENYAVIN; L. A. BELJAEVA. Advantages of DSC controlling methods of nanodiamond powders aggregation state (Russia)
- NP36** G. G. PARRA; L. P. FRANCO; M. B. BARIONI; S. A. CICILLINI; J. C. BIAZZOTTO; R. SANTANA; V. A. KUZMIN; V. A. OLEINIKOV; A. S. ITO; I. E. BORISSEVITCH. Self-aggregation and formation of complex from interaction of TMPyP porphyrin and two different water soluble quantum dot: (CdTe)/MPA and (CdSe/ZnS)/Cys (Brazil)
- NP37** I. V. POSTNOVA; Y. A. SHCHIPUNOV; S. A. SARIN; V. E. SILANTEV. Hybrid chitosan-inorganic nanocomposite materials formed through self-organization (Russia)
- NP38** N. A. F. AL-RAWASHDEH. Gold nanoparticles chemisorbed onto terphenyldithiol self-assembled monolayer for protein biosensor (United Arab Emirates)
- NP39** O. Ya. URYUPINA; V. V. VYSOTSKII; A. I. LOSKUTOV; A. V. CHERKASOVA; N. V. KOSHELEVA; V. I. ROLDUGHIN. The formation of gold nanoparticles in aqueous solutions of cellulose derivatives and the based nanocomposites (Russia)
- NP40** A. I. LOSKUTOV; O. Ya. URYUPINA; N. V. KOSHELEVA; V. B. OSHURKO; V. I. ROLDUGHIN; A. V. FALIN. Peptide and silver nanoparticle based nanocomposites: synthesis, structural, electrical and tribological properties (Russia)
- NP41** V. V. VYSOTSKII; O. Ya. URYUPINA; I. N. SENCHIKHIN; V. I. ROLDUGHIN. Structure and conductivity of ring-shaped silver nanoparticle deposits formed by droplet evaporation (Russia)
- NP42** G. I. ROMANOVSKAYA. The silver aqua sols—new types of optical linear polarizers (Russia)
- NP43** N. Kh. IBRAYEV; E. V. SELIVERSTOVA; A. R. TENCHURINA; A. A. ISCHENKO; A. Yu. SHARGAEVA. Preparation and photophysical properties of cationic polymethine dyes in Langmuir–Blodgett films (Kazakhstan)
- NP44** O. V. DEMENT'eva; M. A. FILIPPENKO; M. M. VINOGRADOVA; E. A. LUKYANETS; G. A. MEEROVICH; S. Sh. KARSHIEVA; S. A. SEMYONOV; V. M. RUDOV. Mesoporous silica nanoparticles: template synthesis and prospects of their use as containers for some phthalocyanine photosensitizers (Russia)
- NP45** T. A. SHERSTNEVA; V. V. ARSLANOV. Surface properties of pyrene-labeled amphiphilic probes (Russia)
- NP46** D. I. SHEVALDYSHEVA; N. N. SHEVCHENKO; T. G. EVSEVA; E. TOMŠIK; A. Yu. MENSHIKOVA. Monodisperse polymer particles with complex morphology (Russia)
- NP47** N. N. SHEVCHENKO; T. G. EVSEVA; B. M. SHABSELS; D. I. SHEVALDYSHEVA; G. A. PANKOVA; M. S. LOMKOVA; V. V. ZAKHAROV; A. Yu. MENSHIKOVA. Hybrid monodisperse polymeric particles: synthesis and self-assembling (Russia)
- NP48** O. A. SKOBELEVA; N. E. KOCHKINA; V. A. PADOKHIN; L. E. UKRAINSKY. Intensification of chitosan–Na-montmorillonite nanocomposite formation employing vibration mills with balls (Russia)
- NP49** M. G. SPIRIN; S. B. BRICHKIN; V. F. RAZUMOV. Surfactants make hydrophobic colloidal quantum dots soluble in water (Russia)
- NP50** A. A. FIRSOVA; O. S. MOROZOVA; A. N. STRELETSKII; A. V. LEONOV. Mechanochemical synthesis of CuO–CeO₂ catalysts for co oxidation in the presence of H₂ (Russia)
- NP51** K. SZCZEPANOWICZ; M. BZOWSKA; A. KARABASZ; P. WARSZYŃSKI. Polyelectrolyte nanocapsules as an anticancer drug carriers (Poland)
- NP52** S. THIRUMALESHWAR; P. K. KULKARNI. Development and evaluation of sodium fusidate loaded nano-liposomal hydrogels for military wound healing properties (India)
- NP53** M. TOMOAI-A-COTISEL. Quarter century progress in Cluj-Napoca colloidal science. From multifunctional bio-interfaces and self-assembled monolayers to nanostructured biomaterials (Romania)
- NP54** M. S. TSARKOVA; I. S. ZAITSEV; D. O. SOLOVYEVA; S. K. SAZONOV; S. P. GROMOV; S. Yu. ZAITSEV. Ultrathin films with amphiphilic ionophores and polymers as chemosensing materials (Russia)
- NP55** O. V. DEMENT'eva; M. M. VINOGRADOVA; L. V. FROLOVA; V. V. TEREKHIN; I. N. SENCHIKHIN; Yu. I. KUZNETSOV; V. M. RUDOV. A new type of mesoporous silica nanocontainer: if the template micelles are functional, why remove them? (Russia)
- NP56** WANG Zhijie; MA Jinghong; YANG Shuguang; XU Jian. Polymer assisted sol-gel dip-coating alumina film (China)
- NP57** YANG Mingshan. Synthesis of nano silver particles by ionic liquid (China)
- NP58** R. M. ZAYNITDINOVA; A. R. SHAINUROVA; I. A. MASSALIMOV; A. G. MUSTAFIN. The formation of nanoparticles sulfur in aqueous solutions inorganic polysulfides and their biological properties (Russia)
- NP59** M. P. ZHILENKO; H. V. EHRlich; G. V. LISICHKIN. Surface modification of nanodispersed zinc, manganese and copper sulfides: size control, protection from oxidation, optical properties (Russia)
- NP60** D. S. KOPCHUK; I. S. KOVALEV; G. V. ZYRYANOV; A. F. KHASANOV; V. L. RUSINOV; O. N. CHUPAKHIN. Polymer nanofibers for the explosives detection (Russia)
- Poster session I. Section A. ADSORPTION AND SURFACE PHENOMENA**
- AP01** S. B. AIDAROVA; A. A. SHARIPOVA; N. Ye. BEKTURGANOVA; R. MILLER. Effect of the cationic polyelectrolyte on the colloidal properties and foaming of water solutions of alkylsulphates (Kazakhstan)
- AP02** D. A. BORISOVA; M. D. VEDENYAPINA; E. D. STRELTZOVA; V. L. MASLOV; K.-H. ROSENWINKEL; D. WEICHGREBE; P. STOPP; A. A. VEDENYAPIN. Adsorption from carbamazepine in aqueous solutions on expanded graphite (Russia)
- AP03** D. V. CHEREDNICHENKO; U. V. MATRUNCHIK; D. N. DAVLUD; A. L. YEHIYAN. The role of the polymer flocculants in structuring salt dispersion of clay (Belarus)
- AP04** O. V. PERLOVA; V. F. SAZONOVA; V. V. CHERNETSKAYA; M. A. KOJEMYAK; V. V. MENCHUK; M. G. BELDIY. Adsorption of heavy metal ions on finely dispersed adsorbents based on paraffin, modified by natural and synthetic surfactants (Ukraine)
- AP05** L. T. DENISOVA; N. V. BELOUSOVA; O. V. KUCHUMOVA; V. M. DENISOV. Contact interaction of bismuth oxide-based melts with noble metals (Russia)
- AP06** P. PODKOŚCIELNY; M. DRACH; K. NIEZSPOREK. Adsorption of aromatic compounds from aqueous solutions on multiwalled carbon nanotubes (Poland)
- AP07** K. U. EGUZOZIE. Surface enhanced Raman scattering (SERS) techniques in monitoring dephosphorylation of toxic organophosphate esters in colloidal silver matrix (South Africa)
- AP08** E. V. ERMAKOVA; J. MICHALAK; M. MEYER; A. G. BESSMERTNYKH-LEMEUNE; R. GUILARD; T. A. SHERSTNEVA; O. A. RAITMAN; M. A. KALININA; V. V. ARSLANOV. Highly selective colorimetric and ultra-thin film sensors for determination of mercury ions (Russia)
- AP09** L. E. ERMAKOVA; A. V. VOLKOVA; T. V. ANTROPOVA; F. G. MURTUZALIEVA. Electrode surface characteristics of porous glass membranes of various composition in KNO₃ solutions (Russia)
- AP10** V. I. FEDOSEEVA; O. V. MINLIKAEVA; N. F. FEDOSEEV. Evaluation of the specific surface of PTFE powder using the adsorption from aqueous solutions of cationic dyes (Russia)
- AP11** V. I. FEDOSEEVA; N. F. FEDOSEEV. Solution properties of quasiliquid film of ice surface (Russia)
- AP12** E. A. STRELTZOVA; L. M. SOLDATKINA; A. F. TYMCHUK; A. A. GROSUL; M. A. ZAVRICHKO. Adsorption of surfactants and dyes on adsorbents of different nature (Ukraine)

- AP13** M. JURAK; A. SZCZEŚ; E. CHIBOWSKI. Role of cholesterol in the enzymatic hydrolysis of model membranes constituted by phospholipid DOPC (Poland)
- AP14** D. KOSIOR; A. NIECIKOWSKA; J. ZAWAŁA; K. MALYSZA. Influence of CTABr on kinetics of the bubble attachment to hydrophilic/hydrophobic surfaces (Poland)
- AP15** T. F. KOUZNETSOVA; S. I. EREMENKO. Synthesis of mesoporous titania–silica gels by co-hydrolysis of alkoxides (Belarus)
- AP16** M. N. KRAKHALEVA; V. S. SUTORMIN; O. O. PRISHCHEPA; A. P. GARDYMOVA; V. Ya. ZYRYANOV. Ionic surfactants for the development of new method to control liquid crystals (Russia)
- AP17** K. A. KOPYTIN; L. A. ONUCHAK; N. A. KOPYTINA; S. Y. KUDRYASHOV. The formation of the host–guest complexes with unsubstituted β -cyclodextrin during adsorption of organic compounds from the gas phase in a monolayer and bilayer polar polymer– β -cyclodextrin (Russia)
- AP18** L. A. ONUCHAK; Yu. G. KURAEVA; V. A. BURMISTROV; S. A. KUVSHINOVA; D. A. UKOLOVA. Investigation of the sorption properties of self-assembled thin films based on supramolecular liquid crystal and macrocyclic β -cyclodextrins (Russia)
- AP19** G. G. PARRA; G. BORISSEVITCH; I. E. BORISSEVITCH; A. P. RAMOS. Interaction of water-soluble CdSe/ZnS-PEG quantum dots with TMPyP and TPPS₄ porphyrins at 1,2-dimyristoyl-*sn*-glycero-3-phosphate Langmuir monolayer (Brazil)
- AP20** I. A. POLUNINA; K. E. POLUNIN; N. P. SOKOLOVA; A. M. GORBUNOV; A. K. BURYAK; A. V. ULYANOV. Adsorption and transformation of resveratrol at oxide surfaces (Russia)
- AP21** I. A. RAZZHIVINA; M. G. CHERNYSHEVA; A. L. KSENOFONTOV; G. A. BADUN; O. A. SOBOLEVA. The influence of SDS and DTAB admixtures on lysozyme adsorption at 0.024 mm aqueous solutions–air interface as studied by tritium probe (Russia)
- AP22** N. Yu. SDOBNYAKOV; A. N. BAZULEV; D. N. SOKOLOV; D. A. KULPIN; V. M. SAMSONOV; A. Yu. KOLOSOV. Thermodynamic investigation of stability of the liquid neck between two solid spherical nanoparticles (Russia)
- AP23** I. P. SERGEEVA; V. D. SOBOLEV. Oppositely charged polyelectrolyte–surfactant adsorbed layers on hydrophilic and hydrophobic surfaces (Russia)
- AP24** A. A. SHAPOVALOVA; V. V. SIZOV; E. N. BRODSKAYA. Adsorption of carbon dioxide and methane in mesoporous silica (Russia)
- AP25** V. V. SIZOV; A. M. AFANASENKO; A. LAAKSONEN. Adsorption and diffusion of nitrogen, carbon dioxide, and their mixtures in type A zeolites (Russia)
- AP26** V. D. SOBOLEV; T. A. VOROBYEVA; O. A. KISELEVA. Determination of the surface potential for capillary UF membrane by the streaming potential at the tangential stream of the liquid (Russia)
- AP27** R. A. IVANOV; O. A. SOBOLEVA; M. G. CHERNYSHEVA; G. A. BADUN. The adsorption and distribution of lysozyme and cocamidopropyl betaine mixtures in the water–octane system studied by the scintillating phase method (Russia)
- AP28** O. V. GUDIEVA; P. K. KOROTKOV; V. A. SOZAEV; Kh. B. KHOKONOV. Influence of external factors on temperature of contact melting of loosened films (Russia)
- AP29** E. I. SVIRIDOVA; M. Y. PLETNEV; Yu. I. KUZNETSOV. Inhibition of steel corrosion and scale formation by surfactants containing polyoxyethylene chains (Russia)
- AP30** T. F. SVITOVA; Meng C. LIN. Effect of novel lens care solutions on dynamic interfacial properties of human tear lipids (USA)
- AP31** A. SZCZEŚ; M. JURAK; E. CHIBOWSKI. Application of interfacially activated phospholipases for modification of physicochemical properties of model membranes (Poland)
- AP32** O. Ya. TAYAKINA; T. M. ROSCHINA; N. K. SHONIYA; A. Y. FADEEV; F. BERNARDONI. Adsorption properties of lyophobic mesoporous silicas (Russia)
- AP33** Yu. S. VERSHININA; V. V. FRANTSEVA; Yu. V. SHULEVICH; G. PETZOLD; A. V. NAVROTSKII; I. A. NOVAKOV. Complex formation between poly-(2-(acrylamido)-2-methyl-1-propanesulfonic acid) and oppositely charged surfactants with different length of hydrophobic tail and properties of resultant complexes (Russia)
- AP34** E. V. VOROBIEVA; V. S. SOLDATOV. Adsorption of polyacrylamide and its ionogenic copolymers on clay particles from salt solutions and effect of adsorbed polymers on the flocculation and phase separation of salt dispersion of clay (Belarus)
- AP35** A. N. ZHUKOV; E. E. GUSAKOVA. Surface tension of mixed aqueous solutions of sodium dodecyl sulfate and hydrochloric acid (Russia)
- Poster session II. Section C. SURFACTANTS, EMULSIONS, FOAMS**
- CP01** N. ABEU; Zh. B. OSPANOVA; K. B. MUSABEKOV; Zh. TOKTARBAY. Preparation and properties of new keratin foamers (Kazakhstan)
- CP02** K. I. OMAROVA; A. O. ADILBEKOVA; A. KABDUSH; Zh. ESHPANOVA. Behavior of polycomplexes of nonionic surfactants at the different interfaces and at the displacement of nonpolar liquids from porous systems (Kazakhstan)
- CP03** L. P. F. AGGARWAL; P. J. GONÇALVES; I. E. BORISSEVITCH. Dynamics of TPPS₄ porphyrin aggregation at its interaction with cationic CTAB surfactant (Brazil)
- CP04** A. M. AMADO; I. E. BORISSEVITCH. Acridine orange aggregation at its interaction with sodium dodecyl sulphate (Brazil)
- CP05** É. RIBEIRO E SILVA; I. E. BORISSEVITCH. Acridine orange photodecomposition at its interaction with sodium dodecyl sulfate (Brazil)
- CP06** É. H. KIMURA; J. B. DA SILVA; P. J. GONÇALVES; I. E. BORISSEVITCH. Interaction of *meso*-tetrakis(4-*n*-methyl-pyridiniumyl) porphyrin with inorganic salts in the presence of sodium dodecyl sulfate (Brazil)
- CP07** N. A. BULYCHEV; V. N. FOMIN; E. B. MALYUKOVA; O. N. KISLOGUBOVA. Synthesis of stable multicomponent emulsions by wave technology (Russia)
- CP08** E. A. CHIGORINA; A. A. ARUTYUNYANTS; T. M. CHIGORINA; A. I. GORBUNOV. 2,6-di-*tert*-butylphenolsulphonic acid derivatives as novel surfactants (Russia)
- CP09** M. DRACH; P. PODKOŚCIELNY. Solubilization of phenol in SDS and HTAB micelles. Molecular dynamics study (Poland)
- CP10** E. G. GORELOVA; L. A. DERZAEVA; A. I. KURMAEVA; R. I. YUSUPOVA; W. P. BARABANOV; V. P. ARKHIPOV; Z. Sh. IDIYATULLIN. Colloidal properties of the industrial surfactant mixtures (Russia)
- CP11** J. HAJDUJOVÁ; M. ŠTĚPÁNEK; K. PROCHÁZKA. Polyelectrolyte-surfactant complexes of poly(4-hydroxystyrene)-block-poly(ethylene oxide) and its polycationic derivatives with oppositely charged ionic surfactant (Czech Republic)
- CP12** A. KAKOULLI; T. MILLS; I. NORTON. Formation and stabilization of sub-micron and nano emulsions in the presence of silica particles (UK)
- CP13** M. C. KONDRATYEVA. Temperature behavior of carbohydrate-based nonionic surfactants (dodecyl- β -maltoside) in water and solid state (Russia)
- CP14** M. L. LACHINYAN; L. R. HARUTYUNYAN; R. S. HARUTYUNYAN. Influence of ascorbic acid on the micellar and aggregation properties of aqueous solutions of surfactants (Armenia)
- CP15** N. I. MAKHOVA; N. N. CHUDINOVA; A. P. DREMUK; K. I. KIENSKAYA; A. P. DREMUK. Cosmetic emulsion formulations development considering general principles of colloid chemistry (Russia)
- CP16** Zh. B. OSPANOVA; K. B. MUSABEKOV; N. ABEU; Zh. TOKTARBAY. The influence of surfactants and water soluble polymers on the foaming ability of keratin foamer (Kazakhstan)
- CP17** V. A. PANKRATOV; N. S. SHMAKOVA; O. A. SDOBNIKOVA. Specific features of cationic surfactants with two hydrophobic radicals (Russia)
- CP18** M. Y. PLETNEV; A. Z. GALIMOVA; V. S. ERASOV. Foam properties of binary surfactant solutions containing colloidal silica (Russia)
- CP19** M. V. POTESHNOVA; N. M. ZADYMOVA. Colloid properties of binary aqueous solutions of hydroxypropyl cellulose and nonionic surfactant Tween 80 (Russia)
- CP20** Yu. I. PROKOFIEV; T. N. POYARKOVA; O. G. ANDROSOVA; G. V. KUDRINA; A. S. SHESTAKOV; A. V. TARASOVA; E. V. SOTNIKOVA; A. A. ZAITSEV. Micelle-forming surfactants based soapstock (Russia)
- CP21** N. E. SEDYAKINA; A. F. KRIVOSHCHEPOV; G. V. AVRAMENKO. Effect of chitosan on properties of water-in-oil emulsions stabilized by nonionic surfactant (Russia)
- CP22** J. ZAWAŁA; K. SZCZEPANOWICZ; K. PODGÓRNA; A. KUPIEC; Sz. WOJTYŁA; P. WARSZYŃSKI. The drop size in membrane emulsification: theoretical and experimental studies (Poland)
- CP23** A. A. TIKHOVA; N. A. GLUKHAREVA; O. E. LEBEDEVA. Colloid peculiarities of oxidative destruction of alkylphenol ethoxylates (Russia)
- CP24** G. PARA; J. ŁUCZYŃSKI; J. PALUS; W. ZIELIŃSKI; E. JAREK; K. A. WILK; P. WARSZYŃSKI. Effect of ester group as spacer on surface properties of chemodegradable cationic surfactants (Poland)
- CP25** N. M. ZADYMOVA; G. A. ARSHAKYAN. Inhibition of Ostwald ripening in heptane-in-water submicron emulsions by using stabilizers of various water solubilities (Russia)
- Poster session II. Section P. COLLOID CHEMISTRY OF POLYMERS**
- SP01** A. V. ANSHAKOVA; J. V. YERMOLENKO; V. I. POLSHAKOV; O. O. MAKSIMENKO; S. E. GELPERINA. Self-assembled submicron aggregates of cyclodextrin complexes with rifabutin (Russia)
- SP02** A. V. BESKOROVAYNNY; D. S. KOPITSYN; A. A. NOVIKOV; M. S. KOTELEV; V. A. VINOKUROV; L. T. PERELMAN. High throughput method for optimization of parameters of gold nanoparticles surface modification (Russia)
- SP03** A. V. CHEVICHALOVA; V. R. ESTRELA-LLOPIS; N. A. TREGUBOVA; P. M. LITVIN. The heterocoagulation of bioconjugates and nanocomposites based on platinum nanoparticles with normal and transformed cells of different carcinogenesis (Ukraine)
- SP04** A. I. DOLINNYI. Fast coagulation of gold sols: determination of absolute rate constant (Russia)
- SP05** R. D. ADATI; E. FEITOSA. Effects of poly(ethylene glycol) on the thermal, kinetics and stability of dialkyldimethylammonium bromide vesicles (Brazil)
- SP06** J. S. MIKHALOVSKY; V. A. TARASEVICH; V. E. AGABEKOV; M. V. SAMOILOV. Phospholipid colloids stabilization by polyhexamethyleneguanidine derivatives (Belarus)
- SP07** V. Yu. PROKOFIEV; S. L. SELEKTOR; V. S. KAMENETSKY; T. RODEMANN. Triassic age colloid solutions (Russia)

- SP08** V. E. PROSKURINA; S. V. SHILOVA; D. LERCHE; T. SOBISCH; Yu. G. GALYAMETDINOV. Hybrid polymer-inorganic nanosystems are effective flocculants for dispersed systems (Russia)
- SP09** S. A. SEMYONOV; V. M. RUDOY. Synthesis, characterization, and stability of citrate gold hydrosols functionalized with oligonucleotides (Russia)
- SP10** I. V. SHESTAK; P. D. VOROBIOV; N. P. KRUTKO. Effect of the addition of polyethylene glycol on the formation of carbonate sediments (Belarus)
- SP11** I. Yu. SHIROKOVA; A. P. BELYAEV; V. I. KUCHUK; N. N. SHEVCHENKO. Investigation of surface electrical properties of monodisperse polystyrene latex particles (Russia)
- SP12** R. S. TAUBAEVA; K. B. MUSABEKOV; D. D. TOTYBAEVA; S. BĀRĀNY; Sh. A. MUZDIBAEVA. Flocculation of kaolin suspension by cationic and anionic polyelectrolytes (Kazakhstan)
- SP13** S. M. TAZHIBAYEVA; K. B. MUSABEKOV; A. B. ORAZYMBETOVA; A. A. ZHUBANOVA; K. B. KORZHYNBAYEVA. The influence of metal ions on the stability of yeast cells (Kazakhstan)
- SP14** R. Z. TUKHVATULLINA; R. R. FAISOVA; E. S. SHABROVA; V. E. PROSKURINA. The effect of ionic force and pH to flocculation of TiO₂ water-salted suspensions by hybrid polymer-inorganic nanosystems (Russia)
- SP15** A. V. VOLKOVA; E. V. GOLIKOVA; L. E. ERMAKOVA. Role of structural forces and initial polydispersity in stability and coagulation of positively charged alumina hydrosol (Russia)
- SP16** N. P. KRUTKO; N. V. YAKAVETS; O. N. OPANASENKO. Peculiarities of surfactants stabilizing effect on the aggregative and kinetic stability of oil dispersed systems (Belarus)
- Poster session II. Section I. INTERFACE RHEOLOGY, MICROFLUIDICS, SUPERHYDROPHOBIC SURFACES**
- IP01** A. V. AKENTIEV; Lin Shi-Yow LIN; B. A. NOSKOV; I. M. ZORIN; P. A. YAZHGUR. Dynamic surface properties of aqueous solutions of poly(sodium *n*-acryloyl-11-aminoundecanoate) water solutions (Russia)
- IP02** D. A. BOGACHOV. Investigation of the influence of electrolyte nature on the dependence of the thickness of thin non-aqueous layers in capillary on the electric field structure and value (Russia)
- IP03** L. BOUBENDIR; S. CHIKH; L. TADRIST. Effect of confinement on two phase flow in inlet region of a mini or micro-channel (Algeria)
- IP04** V. G. NAZAROV; V. P. STOLYAROV; L. A. MIKHALEVA; I. N. ERMAKOVA; M. V. GAGARIN. Simulation of adhesive contact in an elastomer–metal surface system (Russia)
- IP05** V. V. LYADINSKAYA; B. A. NOSKOV; Shi-Yow LIN; A. G. BYKOV. Polyelectrolyte–surfactant interaction at the air–solution interface as studied by surface dilation rheology (Russia)
- IP06** O. Yu. MILYAEVA; B. A. NOSKOV; Shi-Yow LIN; G. LOGLIO; R. MILLER. Dilational viscoelasticity of protein–polyelectrolyte adsorption layers (Russia)
- IP07** T. V. NIZKAYA; E. S. ASMOLOV; O. I. VINOGRADOVA. Trapezoidal textures for thin superhydrophobic channels (Russia)
- IP08** A. A. MIKHAILOVSKAYA; B. A. NOSKOV; Shi-Yow LIN; G. LOGLIO; R. MILLER. Influence of denaturants on the formation of protein adsorption layers (Russia)
- IP09** M. P. SHABANOV. Surface and volume rheological properties of hydroxypropyl cellulose solutions and emulsions based on them (Russia)
- IP10** M. M. TIHONOV; B. A. NOSKOV; Shi-Yow LIN. Impact of denaturants on the dynamic surface properties of lysozyme solutions (Russia)
- Poster session II. Section S. STABILITY OF COLLOID SYSTEMS**
- PP01** Yu. A. ANTONOV; Yu. K. GLOTOVA; I. L. ZHURAVLEVA; L. G. DAMSHKALN; V. I. LOZINSKY. Two-phase liquid polymeric systems as precursors for the preparation of ultrawide-porous PVA cryogels (Russia)
- PP02** O. A. BARANOVA; P. M. PAKHOMOV. Study of gel-frame of hydrogel based on L-cysteine–silver supramolecular polymer by the rotational viscometry method (Russia)
- PP03** Yu. G. BOGDANOVA; V. V. YULUSOV; E. V. CHERNIKOVA; J. V. KOSTINA. Influence of polymer chain microstructure and colloid-chemical properties of copolymers in aqueous solutions (Russia)
- PP04** S. S. DRYABINA; M. S. IGNATOVA; A. V. NAVROTSKII; I. A. NOVAKOV. Study of flocculation of kaolin water dispersion in the presence of oppositely charged polyelectrolytes (Russia)
- PP05** S. GELPERINA; L. VANCHUGOVA; O. MAKSIMENKO; N. OSIPOVA; M. GORSHKOVA; I. VOLKOVA; I. SHELONINA. Colloidal hybrid poly(lactic-co-glycolic acid) nanoparticles modified with polycarboxylic polymers for enhanced functionality (Russia)
- PP06** S. N. KOSTENKO; A. A. EFIMOVA; A. A. YAROSLAVOV. Complexes of synthetic polycations with anionic liposomes containing cholesterol: structure and properties (Russia)
- PP07** S. V. KOVYLIN; D. N. YEMELIANOV; E. Yu. OVCHINNICOV. Thixotropic properties of PVC plastisol with different thermodynamic compatibility of the components (Russia)
- PP08** A. O. KRIVTSOV; A. V. BILALOV; U. OLSSON; B. LINDMAN. Dispersion of DTA-DNA in water using “solvent shifting” technique (Russia)
- PP09** Lê Thi Doan Trang; Yu. V. SHULEVICH; A. V. NAVROTSKII; I. A. NOVAKOV. The properties and flocculation capacity of polyelectrolytes obtained by template polymerization of (*N,N*-dimethyl-*N*-ethyl-*N*-methacryloyloxyethyl) ammonium bromide in micellar solution of surfactant (Russia)
- PP10** G. M. MADYBEKOVA; B. Zh. MUTALIYEVA; S. B. AIDAROVA; R. G. SYZDYKBAYEVA; A. B. ISAYEVA. Colloidal properties of polymeric composite materials and application-specific aspects of their usage (Kazakhstan)
- PP11** M. Yu. MESHCHANKINA; S. N. CHVALUN; M. A. SCHERBINA; Ya. A. KUZNETSOVA. Formation of biodegradable material based on PLA and PA-6 (Russia)
- PP12** E. A. PODOROZHKO; V. I. LOZINSKY. Composite cryogels prepared by freezing-thawing of disperse systems “aqueous solution of poly(vinyl alcohol)–poly(butadiene-co-styrene) latex” (Russia)
- PP13** E. A. PODOROZHKO; O. Yu. KOLOSOVA; V. I. LOZINSKY; E. A. KONDRATEVA. PVA cryogels formed in the presence of either chaotropic, or kosmotropic additives (Russia)
- PP14** A. B. SHIPOVSKAYA; D. A. RUDENKO; V. I. FOMINA; D. N. BRATASHOV. Features of the structural and morphological properties of polysalt and polybasic chitosan films (Russia)
- PP15** S. E. SHOLANBAYEVA; O. A. ESIMOVA; S. Sh. KUMARGALYIEVA; G. D. ISENOVA; K. B. MUSABEKOV. Influence of the composition of hydrochloride polyhexametyleneguanidine with surfactants on the growth of *Pseudomonadaceae* and *Enterobacteriaceae* bacteria (Kazakhstan)
- PP16** K. KILAN; J. PIEKOSZEWSKA; R. P. SOCHA; P. WARSZYŃSKI; L. SZYK-WARSZYŃSKA. Calcium binding multilayer films with embedded casein (Poland)
- PP17** A. V. TOMILINA; D. N. YEMELIANOV; Ya. I. YANKAVTSEVA. Connection between viscoelastic behavior and colloidal properties of water-soluble amphiphilic acrylic copolymers (Russia)
- PP18** D. S. TUTAEV; Yu. V. SHULEVICH; A. V. NAVROTSKII; I. A. NOVAKOV. Interaction of poly [*N*-benzyl-*N,N*-dimethyl-*N*-(methacryloyloxyethyl)]ammonium chloride with sodium dodecyl sulfate and application of resultant complexes for fat-containing wastewater treatment (Russia)
- PP19** L. I. LOPATINA; V. G. SERGEYEV; A. A. ZINCHENKO. Compaction of DNA induced by silver-thiol complexes (Russia)
- PP20** E. A. KARPUKHINA; V. V. MAKAROVA; S. O. ILYIN; I. B. MESHKOV; Z. N. SKVORTSOVA. Phase equilibrium and rheological properties of molecular silicasoles and linear polymers (Russia)
- PP21** A. K. BERKOVICH; E. A. KARPUSHKIN; M. V. ARTEMOV; V. G. SERGEYEV. Polyacrylonitrile–dimethylsulfoxide spin dope modified with multiwalled carbon nanotubes and/or water: rheological study (Russia)
- PP22** O. V. ZABOROVA; A. V. SYBACHIN. Physicochemical properties of complexes between anionic liposomes and star-shape polycationic particles (Russia)
- PP23** O. V. ZABOROVA; A. V. SYBACHIN. Influence of anionic lipid fraction on lipid rearrangements in the membrane of anionic liposomes induced by complexation with polycationic particles (Russia)
- Poster session II. Section B. NATURAL DISPERSE SYSTEMS, BIONANOTECHNOLOGY, COLLOID CHEMISTRY OF ALIMENTARY PRODUCTS**
- BP01** O. M. ALEKSEEVA; L. S. SHIBRYAEVA; A. V. KREMENTSOVA; E. M. MILL; V. I. BINYUKOV. The hybrid antioxidants ICHFANs, micelles interaction with model and bio-objects (Russia)
- BP02** A. V. ANSHAKOVA; J. V. YERMOLENKO; I. I. LYUBIMOV; O. O. MAKSIMENKO; S. E. GELPERINA. Development of colloidal formulation of rifabutin and its efficacy against tuberculosis infection in mice (Russia)
- BP03** M. M. ISDOV; E. E. RAMAZANOVA; E. N. ILIYEV. On solubility of components in fluid–heavy oil system (Azerbaijan)
- BP04** I. BAKHYTKYZY; K. B. MUSABEKOV. Diffusion of molecules of anti-tuberculosis drug in membrane-modified hydrogels (Kazakhstan)
- BP05** N. Ye. BEKTURGANOVA; S. B. AIDAROVA; K. B. MUSABEKOV; M. KERIMKULOVA; A. A. SHARIPOVA. The current state of the soil covers of Kazakhstan. Ways of solution (Kazakhstan)
- BP06** I. G. BELYAVSKAYA; A. G. UVAROVA. The impact of microalga *Spirulina platensis* on the rheological properties of the dough from wheat flour (Russia)
- BP07** T. G. BOGATYREVA; DIN Tchi Chein; E. V. Acadchih; E. V. Iunikhina. Bioconversion of plant raw materials for non-traditional products baking (Russia)
- BP08** N. Yu. BYKOVA; V. Ya. CHERNYKH; N. V. RODICHEVA. The rheology of rye dough and bread (Russia)
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