

Poster Programme

Poster Session

Monday, 22 June 2015 at 16:15-18:00

[P001]	Molecular origin for the thermal stability of a gellan family of polysaccharide, S-198 gum, produced by <i>Alcaligenes</i> ATCC31853 M. Tako, <i>University of the Ryukyus, Japan</i>
[P002]	Thermal rheological properties of concentrated polyethylene particle suspension with side -chain crystalline block copolymer S. Yao*, Y. Hasebe, K. Hirakawa, Y. Kanazawa, R. Nakano, H. Sekiguchi, <i>Fukuoka University, Japan</i>
[P003]	Synthesis of phospholipid biosurfactants from vegetable oils and characterization of their interfacial properties for cosmetics applications J.C. Lim ^{*1} , D.W. Kim ¹ , S.M. Lee ¹ , B.J. Kim ² , K.Y. Choi ² , ¹ <i>Dongguk University, Republic of Korea</i> , ² <i>AKChemTech, Republic of Korea</i>
[P004]	Fabrication of glutaraldehyde-crosslinked polyphenols for recovery of precious metal from electronic waste M. Inoue*, A. Yamasaki, <i>Seikei University, Japan</i>
[P005]	Column, kinetic and isotherm studies of phenanthrene and dye (acid red) on kaoline modified with 1- hexyl, 3-decahexyl imidazolium ionic liquid I.A. Lawal*, B. Moodley, <i>University of KwaZulu-Natal, South Africa</i>
[P006]	Optical and conductivity measurements for understanding of film formation from polymer latex/carbon nanotube composites S. Ugur ¹ , O. Yargi ^{*1,2} , O. Pekcan ^{1,3} , ¹ <i>Istanbul Technical University, Turkey</i> , ² <i>Yildiz Technical University, Turkey</i> , ³ <i>Kadir Has University, Turkey</i>
[P007]	Transition of spherical to wormlike micelle by interaction of zwitterionic surfactant and hydrophobic modified anionic polymer J. Yang ^{*1,2} , B. Guan ² , W. Zhai ¹ , Y. Ding ¹ , Y. Lu ² , ¹ <i>China University of Petroleum, China</i> , ² <i>RIPED-Lanfang, PetroChina, China</i>
[P008]	Comparative insight into the anionic and cationic surfactants mediated amyloid induction in hen egg white lysozyme: unveiling the role of charge and hydrophobicity S.K. Chaturvedi*, J.M. Khan, P. Alam, M.K. Siddiqui, R.H. Khan, <i>Aligarh Muslim University, India</i>
[P009]	Guanidinium chloride induced secondary structural changes in denatured mammalian serum albumins and protective effect of cationic gemini surfactant and methyl-beta-cyclodextrin: a spectroscopic study M. Ishtikhar*, N. Gull, R.H. Khan, <i>Aligarh Muslim University, India</i>
[P010]	Enhancing the in vitro radioprotective effect of resveratrol by PEGylated solid lipid nanoparticles prepared using a green supercritical fluid technique I. Ahmad ^{*1} , R.K. Sharma ² , A. Ali ¹ , F.J. Ahmad ¹ , ¹ <i>Jamia Hamdard, New Delhi, India</i> , ² <i>Institute of Nuclear Medicine and Allied Sciences, New Delhi, India</i>
[P011]	Laser-Induced fabrication of hollow platinum nanospheres with enhanced catalytic performances H. Lee, J-A. Kwak, D-J. Jang*, <i>Seoul National University, Republic of Korea</i>
[P012]	Silica-coated silver/gold composite nanoboxes having enhanced catalytic performances and reusability J. Lee*, K. Han, D-J. Jang, <i>Seoul National University, Republic of Korea</i>
[P013]	Microencapsulation of palmitic acid phase change material with enhancement of thermal performance S. Tahan Latibari,* , M. Mehrali,, M. Mehrali,, H.S.C. Metselaar,, <i>University of Malaya, Malaysia</i>
[P014]	Novel HI mesophases for delivery of insoluble bioactives N. Garti*, E. Goldmunz, A. Aserin, <i>The Hebrew University of Jerusalem, Israel</i>
[P015]	Thermally conductive graphene-polymer composites M. Shtein*, O. Regev, <i>Ben-Gurion University of the Negev, Israel</i>
[P016]	Effect of oxalic acid functionalization on alumina supported Ni catalyst on the isomerization, kinetics and arrhenius parameters of oleic acid hydrodeoxygenation into biofuel O.B. Ayodele ^{1,2} , Y. Uemura ¹ , W.M.A.W. Daud ² , M.F. Nazar ^{*3} , ¹ <i>Universiti Teknologi Petronas, Malaysia</i> , ² <i>University of Malaya, Malaysia</i> , ³ <i>University of Gujrat, Pakistan</i>
[P017]	Preparation of carboxymethyl-β-cyclodextrin intercalated Zn-Al layered double hydroxide and their enhanced adsorption capacity for p-nitrophenol in water Y.Y. Sun, J.B. Zhou*, J. Zhou, J.G. Yu, W.Q. Cai, <i>Wuhan University of Technology, China</i>
[P018]	Functional microgels based upon active chlorine Z. Wang, R. Pelton*, <i>McMaster University, Canada</i>

[P019]	A comparative study of ceramic dispersants using atomic force microscopy A.U. Khan*, N. Ahmad, <i>COMSATS Institute of Information Technology Defense Road, Off Raiwind Road, Lahore-54000, Pakistan</i>
[P020]	Narrowly dispersed amphiphatic and amphotytic polyelectrolyte microgels with internal nanostructure and hydrophobic pockets R. Tiwari*, A. Walther, <i>DWI – Leibniz Institute for Interactive Materials, Germany</i>
[P021]	Symmetric Drop Coalescence on under-liquid substrates S. Mitra, S.K. Mitra*, <i>York University, Canada</i>
[P022]	Electrospun Zr-based metal-organic framework (Zr-MOF) nanofibers for hydrogen storage J. Ren*, N. Musyoka, H. Langmi, M. Mathe, <i>Council for Scientific and Industrial Research (CSIR), South Africa</i>
[P023]	Influence of creaming and ripening on the aggregation rate of non-ionic dodecane-in-water nanoemulsions E. Cruz-Barrios*, G. Urbina-Villalba, <i>Venezuelan Institute for Scientific Research, Venezuela</i>
[P024]	Influence of acidity and temperature factors on the evolution of the facilitated extraction process of paracetamol compound: parameters and mechanism E.H. Atmani ^{*1} , A. Benlyamani ³ , I. Touarssi ¹ , S. Tarhouchi ¹ , O. Kamal ^{1,2} , M. Hlaibi ^{1,2} , ¹ <i>Université Hassan II Casablanca, Morocco</i> , ² <i>Université de Rouen, France</i> , ³ <i>AFRIC-PHAR, Morocco</i>
[P025]	Simulation of electrically charged nano/micro-particles interaction into aqueous solution or dusty plasma by the Brownian dissipative dynamics of counterions P.V. Lebedev-Stepanov ¹ , ¹ <i>Photochemistry Center RAS, Russia</i> , ² <i>National Research Nuclear University MEPhI, Russia</i>
[P026]	Fabrication and characterization of PEGylated pamidronate nanoparticles for prevention and treatment of osteoporosis P. Rawat ^{*1} , D. Vohora ¹ , S. Gupta ² , F.J. Ahmad ¹ , S. Talegaonkar ¹ , ¹ <i>Jamia Hamdard, India</i> , ² <i>National Institute of Immunology, India</i>
[P027]	Impact of substrate nature on the formation and adhesion of fuel deposit for diesel and biodiesel fuels K. Bacha ^{*4,1} , A. Ben-Amara ³ , A. Vannier ⁴ , M. Fortunato ³ , H. Haidara ² , M. Nardin ² , ¹ <i>Université de Haute Alsace, France</i> , ² <i>Institut de Science des Matériaux de Mulhouse (IS2M), France</i> , ³ <i>IFPEN IFP Energies Nouvelles, France</i> , ⁴ <i>Renault Technocentre, France</i>
[P028]	Zinc tetraphenylporphyrin-based surfactant for non-coherent photon upconversion applications C.P. Ponce, H.Y. Araghi, R.P. Steer, M.F. Paige*, <i>University of Saskatchewan, Canada</i>
[P029]	Synthesis of hydroxyapatite nanowhiskers in proteine and polysaccharide mixture assisted by ultrasonic irradiation I.T. Smykov ^{*1} , A.V. Severin ² , A.L. Nikolaev ² , ¹ <i>All-Russian Scientific Research Institute of Butter and Cheese making,, Russia</i> , ² <i>Moscow State University, Russia</i>
[P030]	Comparative study of the stability of o/w macroemulsions and nanoemulsions K. Rahn-Chique*, G. Urbina-Villalba, <i>IVIC, Venezuela</i>
[P031]	"Slow-moving" analyses of dynamic contact angles on silanized silicon wafers with nano-scale surface topographies: Influence of the surface roughness on the contact line dynamics during inclining-plate experiments F.H. Heib ^{*1} , R.H. Hempelmann ¹ , S.I. Ingebrandt ² , W.M. Munief ² , J.G. Grub ¹ , K.G. Groß ¹ , M.S. Schmitt ¹ , ¹ <i>Saarland University, Germany</i> , ² <i>University of Applied Sciences Kaiserslautern, Germany</i>
[P032]	Gate manipulation of surface charges and ionic conductance in a silica nanochannel with overlapped electric double layers L.H. Yeh, <i>National Yunlin University of Science and Technology, Taiwan</i>
[P033]	Pure cellulose hydrogel suspensions and cellulose encapsulated oil-in-water emulsions: preparation, structure and properties D.M. Rein*, S. Napso, R. Khalfin, Y. Cohen, <i>Technion – Israel Institute of Technology, Israel</i>
[P034]	Amorphous CaCO₃ of LACS: phase transition, thermal, and mechanical characteristics S.W. LEE, <i>Korea Institute of Geoscience and Mineral Resources, Republic of Korea</i>
[P035]	Protein antifouling properties of a chemical vapor deposited alkyl-functional carboxysilane coating characterized using quartz crystal microbalance A.R. Narvaez ^{*1} , S.V. Vaidya ¹ , M. Yuan ² , D. Daghfal ¹ , J. Mattzela ² , D. Smith ² , ¹ <i>Abbott Laboratories, USA</i> , ² <i>SilcoTek Corporation, USA</i>
[P036]	Electrophoretic deposition of biopolymers and composites from colloidal solutions I. Zhitomirsky*, F. Sun, <i>McMaster university, Canada</i>
[P037]	Loading of Primaquine into self nanoemulsifying drug delivery system enhanced <i>in vitro</i>, <i>ex vivo</i> and <i>in vivo</i> performance. S. Kamboj*, K. Singh, V. Rana, <i>Punjabi University, India</i>
[P038]	Hydrophilic silica- and zwitterionic catechol-coated single-core and multi-core FePt nanoparticles N. Kostevšek ^{*1,2} , S. Šturm ¹ , I. Serša ¹ , A. Sepe ¹ , M. Bloemen ³ , T. Verbiest ³ , S. Kobe ¹ , K. Žužek Rožman ¹ , ¹ <i>Jožef Stefan Institute, Slovenia</i> , ² <i>Jozef Stefan International Postgraduate School, Slovenia</i> , ³ <i>KU Leuven, Belgium</i>

[P039]	Influence of different types of DOM on the aggregation behaviours of TiO₂ nanoparticles M. Ren*, M. Delay, H. Horn, F.H. Frimmel, <i>Karlsruhe Institute of Technology, Germany</i>
[P040]	Mechanism of monodisperse silica nanoparticle on enhancing mechanical strength of nanocomposite hydrogel F.F. Sun*, Z.X. Dong, M.Q. Lin, F.F. Song, S.L. Wang, <i>China University of Petroleum (Beijing), China</i>
[P041]	Synthesis, characterization and application of surface modified nano-Mg-Al composite Y-H. ZHAO*, Z-C. ZHANG, <i>China Research Institute of Daily Chemical Industry, China</i>
[P042]	The influence of molecular coherence on surface viscosity S. Choi ¹ , K. Kim ² , K. Cao ³ , B. Lin ³ , K. Lee ³ , T. Squires ² , A. Sachan ¹ , M. Ogunyankin ¹ , Q. Tang ¹ , J. Zasadzinski ^{*1} , ¹ <i>University of Minnesota, USA</i> , ² <i>University of California Santa Barbara, USA</i> , ³ <i>University of Chicago, USA</i>
[P043]	Understanding of physicochemical properties of biomaterial gels consisting of chitosan in dicarboxylic acids solutions M.A. Ali, <i>Department of Applied Sciences, University of Otago, New Zealand</i>
[P044]	Improved sensing properties of the graphite/ZnO nanorods junctions decorated with Pt nanoparticles. R. Yatskiv*, J. Grym, O. Cernohorsky, M. Hamplova, J. Vanis, <i>Institute of Photonics and Electronics of the AS CR, v.v.i., Czech Republic</i>
[P045]	Efficient water solubilisation and rod-like reversed micelle formation of hybrid surfactants in supercritical carbon dioxide M. Sagisaka ^{*1} , S. Ono ¹ , Y. Sato ¹ , C. James ¹ , A. Yoshizawa ¹ , S.E. Rogers ² , R.K. Heenan ² , S. Cummings ³ , C. Yan ³ , J. Eastoe ³ , ¹ <i>Hirosaki University, Japan</i> , ² <i>Rutherford Appleton Laboratory, UK</i> , ³ <i>University of Bristol, UK</i>
[P046]	Liquid crystalline nanoparticle dispersions as theranostic tools S. Murgia*, V. Meli, A.M. Falchi, T. Nylander, K. Schillén, M. Monduzzi, Y. Talmon, <i>University of Cagliari, Italy</i>
[P047]	A method of rapid detection of ions and small molecules based on noble nanoparticles A. Wu ¹ , ¹ <i>NIMTE Chinese Academy of Sciences, China</i> , ² <i>University of Marburg, Germany</i>
[P048]	Colloidal sub-regimes of polyvinyl alcohol-aqueous laponite suspensions S. Kumar ^{*1} , V. Kumar Aswal ² , G. Harikrishnan ¹ , ¹ <i>Indian Institute of Technology Kharagpur, India</i> , ² <i>Bhabha Atomic Research Centre Mumbai, India</i>
[P049]	Synthesis of Iron Pyrite(FeS₂) quantum dots towards photovoltaic applications S. Tamura*, T. Ikuno, <i>Toyota Central R&D Labs., Japan</i>
[P050]	Adsorption and photo-catalytic combined process to remove paracetamol from pharmaceutical wastewater using TiO₂/Co doped carbon beads B.K. Lee, A. Sharma*, <i>University of Ulsan, Ulsan, Republic of Korea</i>
[P051]	Experimental progress in high conductivity electrophoresis using the Diffusion Barrier method J.C.W. Corbett*, R.O. Jack, <i>Malvern Instruments, UK</i>
[P052]	Advanced nanocomposite based on silica nanohelices decorated with gold nanoparticles for chiroptical properties J. Cheng ^{*1} , M-H. Delville ² , P. Barois ³ , E. Pouget ¹ , R. Oda ¹ , ¹ <i>Chimie Biologie des Membranes et Nanoobjets, France</i> , ² <i>Institut de Chimie de la Matière Condensée de Bordeaux, France</i> , ³ <i>Centre de Recherche Paul Pascal, France</i>
[P053]	Interaction of PEO-PPO-PEO block copolymers with lipid membranes: an isothermal and AFM study. E.A. Adamidou*, A.F. Miller, <i>University of Manchester, UK</i>
[P054]	Preparation of molecular sieves with antimicrobial properties from pillared clays and silver and copper nanoparticles G. Lucero ^{*1} , M.R. Sun-Kou ¹ , E. Rädlein ^{1,2} , J. Bauer ^{1,3} , ¹ <i>Pontificia Universidad Católica del Perú, Peru</i> , ² <i>Technische Universität Ilmenau, Germany</i> , ³ <i>Universidad Peruana Cayetano Heredia, Peru</i>
[P055]	Effect of resins, waxes and asphaltenes on interfacial properties and emulsion stability M.Q. Lin, Z.H. Yang, J. Zhang*, M.Y. Li, <i>China University of Petroleum (Beijing), China</i>
[P056]	A Low-field NMR investigation of the effects of salinity on sand wettability V. Gonzalez*, S.E. Taylor, <i>University of Surrey, UK</i>
[P057]	Interaction of LD14 and TiO₂ in dye-sensitized solar-cells (DSSC): A density functional theory study A. Lopez, F. Mendizabal*, <i>University of Chile, Chile</i>
[P058]	The equivalent alkane carbon number of polar oils: influence of the functional group and estimation via cosmo-<i>rs</i> sigma moments. T. Lukowicz*, A. Benazzouz, V. Nardello-Rataj, J-M. Aubry, <i>University of Lille 1, France</i>
[P059]	Singularities of menisci and contact lines on shaped fibers K.G. Kornev ^{*1} , M.M. Alimov ² , C. Zhang ¹ , V. Vekselman ¹ , ¹ <i>Clemson University, USA</i> , ² <i>Kazan Federal University, Russia</i>
[P060]	Wet-chemical Preparation of Copper Aerogel Monolith with Ethylene Glycol as Reducing Agent W.W. Xu, A. Du, Z.H. Zhang, J. Shen, B. Zhou*, <i>Tongji University, China</i>
[P061]	Direct interaction of sulfonated polyaniline with the enzyme PQQ-GDH: A profound basis for the construction of sensing electrodes D. Sarauli ^{1,2} , D. Fattakhova-Rohlfing ² , B. Schulz ³ , F. Lisdat ^{*1} , ¹ <i>Technical University of Applied Sciences Wildau, Germany</i> , ² <i>Ludwig-Maximilians-Universität München, Germany</i> , ³ <i>University of Potsdam, Germany</i>

[P062]	Study of cytochrome c-DNA interaction - Evaluation of binding sites on the redox protein C. Wettstein ^{1,3} , C. Kyne ² , A. Doolan ² , H. Möhwald ³ , P.B. Crowley ² , F. Lisdat* ¹ , ¹ <i>Technical University of Applied Sciences Wildau, Germany</i> , ² <i>National University of Ireland Galway, Ireland</i> , ³ <i>Max-Planck Institute of Colloids and Interfaces, Germany</i>
[P063]	Adsorption of Cu (II) ions from aqueous solution by native bentonite: kinetic, equilibrium and thermodynamic study A.A. Taha* ¹ , A.M. Ahmed ¹ , S.A. Hassan ² , S.A.M. El-Sharaawy ¹ , ¹ <i>Alexandria University, Egypt</i> , ² <i>National Institute of Oceanography and, Egypt</i>
[P064]	Simulation of coupled transport processes in single cell trapping on microfluidic chips K. Liu* ¹ , D. Su ¹ , D.Y. Wang ¹ , D.C. Ba ¹ , Z.Y. Wu ² , J.Y. Shang ³ , Q. Lin ³ , ¹ <i>Northeastern University, China</i> , ² <i>Northeastern University, China</i> , ³ <i>Columbia University, USA</i>
[P065]	Formation of the composite silica-titania spheres by the means of peroxy route R. Morozov* ¹ , I. Krivtsov ^{1,2} , V. Avdin ¹ , J.P. Garcia ² , ¹ <i>South Ural State University, Russia</i> , ² <i>University of Oviedo, Spain</i>
[P066]	Removal and recovery of heavy metal ions from dilute aqueous solutions by colloidal entities L.C. Shen*, N.P. Hankins, <i>University of Oxford, UK</i>
[P067]	A non-conventional rubbing method for obtaining two-dimensional atomic materials for mass production G. Shmavonyan* ¹ , C. Vazquez Vazquez ² , M.A. Lopez-Quintela ² , ¹ <i>National Polytechnic University of Armenia, Armenia</i> , ² <i>University of Santiago de Compostela, Spain</i>
[P068]	The solid structures that triacylglycerol nanoplatelets aggregates form depend on the processing condition and the amount of tri-, di- and mono-saturated fatty acids F. Peyronel* ¹ , B. Quinn ² , A.G. Marangoni ¹ , D.A. Pink ^{2,1} , ¹ <i>University of Guelph, Canada</i> , ² <i>St. Francis Xavier University, Canada</i>
[P069]	Line-tension effects on heterogeneous nucleation on a convex spherical substrate and in a concave spherical cavity M. Iwamatsu, <i>Tokyo City University, Japan</i>
[P070]	Selective Hydrogenation of 1-hexyne using NiMn/Al₂O₃ K.D. Khunkaew*, B.R. Kitiyanan, <i>Chulalongkorn University, Thailand</i>
[P071]	Optimization for harvesting algae from water by nano-sized bubble flotation S.Y. Chen* ¹ , Y.T. Huang ² , ¹ <i>National Kaohsiung First University of Science and Technology, Taiwan</i> , ² <i>National Kaohsiung First University of Science and Technology, Taiwan</i>
[P072]	Gold-polymer hybrid assembly: An efficient platform for nonenzymatic oxalic acid sensor M. Choudhary*, K. Mallick, <i>University of Johannesburg, South Africa</i>
[P073]	Metal ion doping into TiO₂ nanoparticles using microwave-induced plasma in liquid T. Yonezawa, <i>Hokkaido University, Japan</i>
[P074]	Solvent vapor induced phase transitions of ultrathin thermotropic liquid crystal films under ambient conditions B. Ravi*, D. Bandhyopadhyay, <i>Indian Institute Of Technology, India</i>
[P075]	Versatile cellular uptake mediated by sugar-based catanionic vesicles P. Castagnos ¹ , C. Mauroy ^{1,2} , B. Martin ¹ , J. Teissié ² , A.C. Tedesco ³ , M.P. Rols ² , M. Blanzat* ¹ , ¹ <i>IMRCP Université P. Sabatier, France</i> , ² <i>IPBS, Université P. Sabatier, France</i> , ³ <i>Universidade de São Paulo, Brazil</i>
[P076]	Experimental technique and analysis of the calibration of optical radiometers M. Schmitt*, F. Heib, <i>Saarland University, Germany</i>
[P077]	Physicochemical properties of pH-responsive alginate/shellac aqueous-core capsules G. Ben Messaoud* ¹ , L. Sanchez-Gonzalez ¹ , E. Schnepf ¹ , L. Probst ² , S. Desobry ¹ , ¹ <i>Université de Lorraine, France</i> , ² <i>Cookal SAS, France</i>
[P078]	Synthesis of magnetite nanoparticles with polymer coating bioligands and chosen NSAIDs drugs for biomedical applications D. Chelminiak*, M. Ziegler-Borowska, T. Siódmiak, H. Kaczmarek, A. Ilnicka, J.P. Lukaszewicz, A. Kaczmarek-Kędziera, <i>Nicolaus Copernicus University in Torun, Poland</i>
[P079]	Destabilization of montmorillonite colloids by addition of alumina nanoparticles N. Mayordomo*, U. Alonso, T. Missana, <i>CIEMAT, Spain</i>
[P080]	Wettability of smectites: effect of exchangeable ions and surface roughness J. Ballah* ¹ , M. Chamerois ² , G. Hamon ² , P. Levitz ¹ , L. Michot ¹ , ¹ <i>UPMC, France</i> , ² <i>TOTAL, France</i>
[P081]	Influence of Mo incorporation on the catalytic activity of magnetite in Fenton oxidation treatment S. Rahim Pouran*, A.A. Abdul Raman, W.M.A. Wan Daud, <i>University of Malaya, Malaysia</i>
[P082]	Consistent patterns of encapsulating hard spheres in restricted volumes: modeling the confinement of nanoparticles in nanoporous matrices L. Burtseva* ¹ , B. Valdez ¹ , F. Werner ² , V. Petranovskii ^{3,4} , ¹ <i>Autonomous University of Baja California, Mexico</i> , ² <i>Otto-von-Guericke University, Germany</i> , ³ <i>Universidad Nacional Autónoma de México, Mexico</i> , ⁴ <i>Universidad Autónoma de Puebla, Mexico</i>

[P083]	Surface control of polysaccharide microfibrils by sequential controlled polymerizations with particles (SqCRPwP) for production of high-performance nano- bio- fillers. T. Arita, <i>Tohoku University, Japan</i>
[P084]	A biological fenton reaction catalyzed by ferrihydrite colloids C. Li ^{*1} , V.H. Cong ^{1,2} , Y. Inagaki ¹ , Y. Sakakibara ¹ , ¹ <i>Waseda University, Japan</i> , ² <i>Vietnam National University of Agriculture, Viet Nam</i>
[P085]	Formation of periodic patterns during coalescence of reactive sessile droplets. M. Jehannin ^{*1,2} , S. Charton ¹ , S. Karpitschka ² , T. Zemb ³ , H. Möhwald ² , H. Riegler ² , ¹ <i>CEA, Atomic Energy and Alternative Energies Commission, France</i> , ² <i>Max Planck Institute of Colloids and Interfaces, Germany</i> , ³ <i>ICSM, Marcoule Institute of Separative Chemistry, France</i>
[P086]	Adsorption of organoarsenic compounds from aqueous solution with metal-organic frameworks (MOFs): plausible mechanism of adsorption and effect of central metal ions of analogous MOFs on adsorption J.W. Jun*, S.H. Jhung, <i>Kyungpook National University, Republic of Korea</i>
[P087]	Adsorptive removal of indole from model fuel using metal-organic frameworks functionalized with amino groups: contribution of hydrogen bond I. Ahmed*, S.H. Jhung, <i>Kyungpook National University, Republic of Korea</i>
[P088]	Metal-organic frameworks supported with ionic liquids: Remarkable adsorbents for adsorptive desulfurization N.A. Khan*, S.H. Jhung, <i>Kyungpook National University, Republic of Korea</i>
[P089]	Oil/water separation materials inspired by superhydrophobicity Z.Z. Zhang*, X.T. Zhu, X.Y. Zhou, <i>Chinese Academy of Sciences, China</i>
[P090]	Electrochemical detection of colloidal silver nanowires D. Kim*, C.A. Li, <i>Korea Institute of Machinery and Materials, Republic of Korea</i>
[P091]	Surface charge registration by an impedimetric transducer and streaming potential method for bacterial endotoxin detection S. Brosel-Oliu, N. Abramova, A. Bratov*, F.X. Munoz, <i>Institute of Microelectronics of Barcelona, Spain</i>
[P092]	Micellization and interfacial properties of gemini lipoamino acid – sodium dehydrocholate mixtures: implications towards solubilisation of amphotericin B I. Ferreira, C. Serafim, L. Pinheiro*, C. Faustino, <i>Universidade de Lisboa, Portugal</i>
[P093]	Numerical study of methane free surface flow during its cryogenic liquefaction Y.Z. Lin*, Y. Yan, X.J. Liu, Z.H. Ni, <i>Southeast University, China</i>
[P094]	Polyelectrolyte multilayer chambers as a novel platform for microencapsulation and active release M.V. Kiryukhin, <i>Institute of Materials Research and Engineering, Singapore</i>
[P095]	Nanofibrillar polyplex formation based on morphology elongation by intrapolyplex PEG crowding effect A. Harada*, K. Nomura, R. Aono, E. Yuba, K. Kono, <i>Osaka Prefecture University, Japan</i>
[P096]	Direct synthesis of electrophoretic inks in non-polar media for display applications D. Mirbel ^{*1} , C. Brochon ¹ , E. Cloutet ¹ , C. Navarro ² , G. Hadzioannou ¹ , ¹ <i>Université de Bordeaux, LCPO, UMR 5629, France</i> , ² <i>Arkema, France</i>
[P097]	Submicron colloidosomes: multifunctional inorganic carrier systems M. Maas*, T. Bollhorst, V. Lauth, K. Rezwan, <i>University of Bremen, Germany</i>
[P098]	Synthesis and in situ observation of 2D, 3D superlattices of copper and silver nanoparticles A.H. Shaik*, J. Chakraborty, <i>Indian Institute of Technology Kharagpur, India</i>
[P099]	Surface bio-functionalization to improve the performance of biomaterials D. Aristizabal Bedoya, M.L. Martín, M.F. Stragliotto, C. Vasti, L.E. Valenti, R. Rojas, C.E. Giacomelli*, <i>INFIQC, Argentina</i>
[P100]	Microfluidic array of individually addressable droplet microbioreactors for dynamics growth studies of <i>Escherichia coli</i> F. Dutka ^{*1} , J. Barys ^{1,2} , S. Jakielka ^{1,3} , P. Garstecki ¹ , ¹ <i>Institute of Physical Chemistry, PAS, Poland</i> , ² <i>Lodz University of Technology, Poland</i> , ³ <i>Warsaw University of Life Sciences - SGGW, Poland</i>
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