



July 3-6, 2022 | Krakow, Poland / online

LIST OF POSTERS

1. Physical Chemistry of Thin Liquid Films, Foams and Emulsions

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- P1_1** **Dorota Gawel**, Georgi G. Gochev, Eugene V. Aksenenko, Volodymyr I. Kovalchuk, Reinhard Miller and Jan Zawala
Adsorption kinetics of globular proteins at air/water interface: a new theoretical approach
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- P1_2** **Mateusz Kruszelnicki**, Izabela Polowczyk, Przemyslaw B. Kowalczyk
Stability of thin liquid film in bubble-solid adhesion
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- P1_3** **J. Zawala**, J. Miguet, B. Scheid, M. Borkowski, P. Rastogi, G.G. Fuller
Dynamic adsorption layer and foam film stability probed by dynamic Fluid-film interferometry
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- P1_4** **Kristina Rusanova**, Konstantin Golemanov, Slavka Tcholakova, Nikolai Denkov
Role of surface rheological properties for dynamics of film thinning
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2. Foam Structure and Related Packing Problems

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- P2_1** Gregory Lecrivain, **Sascha Heitkam**, Uwe Hampel
A phase-field model to simulate foams flowing in an obstructed channel
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- P2_2** **Ali Irannezhad**, Denis Weaire, Adil Mughal, Stefan Hutzler
The nonlinear behaviour of confined chains of hard spheres and soft bubbles under compression and tilt - online
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3. Foam and Aerogels Stability: Drainage, Coarsening, Coalescence / Film Rupture

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- P3_1** **Elaheh Esmaeili**, Paul Grassia
Squeeze film flow of viscoplastic Bingham fluid between non-parallel plates - online
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- P3_2** **Jacob Morgan**, Simon Cox
A numerical model for coarsening in wet foams with a realistic bubble-scale structure – online
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- P3_3** **Alice Etienne-Simonetti**, Frédéric Restagno, Isabelle Cantat, Emmanuelle Rio
Study of a pinch in the vicinity of a meniscus in a thin liquid film
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- P3_4** **Friedrich Walzel**, Muhammad Ziauddin, Leon Knüpfel, Tobias Lappan, Pavel Trtik, Kerstin Eckert, Sascha Heitkam
Measurement and simulation of foam drainage in two dimensions using neutron Radiography
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4. Particles / Aggregates or Fibers in Foams, Aerogels or Thin Liquid Films

P4_1 Carsten Habenicht, Hans Kleemann, Karl Leo, Aldo Jesorka, Esteban Pedrueza Villalmanzo, Anne-Laure Biance, Oriane Bonhomme, Samuel Albert, Sébastien Clément, Hisham Idriss, Sébastien Clément, Indraneel Sen
Platform device for the Electrical characterization of soap films

P4_2 Izabela Polowczyk, Mateusz Kruszelnicki, Przemyslaw B. Kowalczyk
Effect of particle hydrophobicity on foamability and foam stability

5. Wet Foams, Foam Rheology, Interfacial Rheology, Dynamics of Surfactant-Laden Interfaces

P5_1 Hashem Ahmadi Tighchi, Mohammad Hasan Kayhani, Samira Yeganehzad, Ali Faezian
Foamability and foam stability of licorice root extract: dynamic surface properties effects.

P5_2 Ewelina Jarek, Sebastian Balicki, Izabela Polowczyk, Kazimiera A. Wilk, Piotr Warszyński
Surface activity of hydrophobically decorated chitosan

6. Industrial Applications of Foams, Emulsions and Thin Liquid Films

P6_1 Leon Knüpfer, Sascha Heitkam
A machine learning approach to segment images of foam at a transparent wall

P6_2 Tamara Schad, Natalie Preisig, Heinrich Piening, Dirk Blunk, Wiebke Drenckhan, Cosima Stubenrauch
Foam-based cleaning of historical surfaces

7. Novel Materials or Biomaterials in Dispersed Systems (Foams, Aerogels, Emulsions or Thin Liquid Film)

P7_1 Agnieszka Chrzanowska, Anna Deryło-Marczewska
Designing and modeling pore size and structural properties of mesocellular silica foams for enzyme adsorption – online

P7_2 Agnieszka Chrzanowska, Ludmyla V. Nosach, Ievgenii F. Voronin, Anna Deryło-Marczewska
HSA/nanosilica biocomposite: structural, textural and morphological properties. – online

P7_3 Katarzyna Dobrowolska, Marcin Odziomek, Karol Ulatowski, Weronika Kędziora, Karolina Soszyńska, Paweł Sobieszuk, Tomasz R. Sosnowski
Study of the interactions between O₂ nanobubbles and the pulmonary surfactant - online

P7_4 Yuri Savelyev, Lyudmila Markovskaya, Olga Savelyeva, Olena Akhranovich, Natalia Parkhomenko, Ludmila Robota
Polyurethane foams: biological activity and environmental friendliness – online

P7_5 Anna Pajor-Świerzy Dawid Staško, Radosław Pawłowski, Grzegorz Mordarski, Alexander Kamyshny, Krzysztof Szczepanowicz
Effect of polydispersity of nickel-silver core-shell nanoparticles on the properties of Metallic Films

P7_6 Marta Kolasinska-Sojka, Magdalena Wlodek, Michał Szuwarzynski, Piotr Warszynski
The influence of counterion on properties of PDADMAC/PSS thin films

P7_7 Mathieu Devin, Farzaneh Harijasouliha, **Dominika Zabiegaj**
Hybrid foamed concrete as a novel porous material for domestic passive heating

P7_8 Elham Omat Mohammadi, Samira Yeganehzad, Mohammad Ali Hesarinejad, **Mohsen Dabestani**, Emanuel Schneck, Reinhard Miller
Structural and functional Modification of WPI using vacuum cold plasma - online

P7_9 Agata Wiertel-Pochopień, Jan Zawąła, Przemysław B. Kowalczyk
Foamability of pure C_NTAB solutions and their mixture with n-octanol

P7_10 M. Borkowski, P. Batys, J. Zawąła
Synergistic effects in solutions of Aminoacid surfactants mixed with n-octanol
