Curriculum Vitae Dr. Marcel Tomasz Krzan

Born on the 13th of December 1973y in Cracow, Poland,
Polish nationality, married, 1 child
Affiliation:
"Soft Matter Nanostructures" research group
Jerzy Haber Institute of Catalysis and Surface Chemistry,
Polish Academy of Sciences, Cracow, Poland
email: nckrzan@cyf-kr.edu.pl
ORCID no. 0000-0002-7469-3247, ResearcherID: H-4937-2016, Scopus ID 6602090688
https://pl.linkedin.com/in/marcel-krzan-sp9xwd
https://www.researchgate.net/profile/Marcel_Krzan

Academic Career / Educational experience / Long term research visits-internships:

2004 – (present) Senior researcher at Jerzy Haber Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences. Present position adiunkt (assistant professor, since 2019)

2017 (July – October) - visiting researcher at Max-Planck Institute of Colloids and Interfaces, Golm, Germany (German Academic Exchange Service DAAD fellowship).

2015 (October-November) – internship at Saclay Nuclear Research Center in France - Polish Ministry of Science and Higher Education special program titled *"Training and internships in the field of nuclear energy technology* (in cooperation with French Atomic Energy and Alternative Energies Commission (CEA) & French National Institute for Nuclear Science and Technology INSTN).

2015 (6 months) - practical internship at AfiSen SME company, as a part of project tilted "*Innovations – the opportunity for the development of Malopolska enterprises*" POKL.08.02.01-12-026/14.

2014 (6 months) - practical internship at Pex-Poll SME company, as a part of Malopolska Regional Development Agency project "*Knowledge, practice, experience - the key to success in business* ".

2007 (February – December) – postdoctoral fellow at the GRASP laboratory (Group for Research and Applications in Statistical Physics), Department of Physics, University of Liege, Belgium.

2006 (July-November) - visiting researcher CNRS at the Laboratoire de Physique des Matériaux Divisés et des Interfaces (LPDMI), Université de Marne-la-Vallée, France.

2004 -2006 (November 2006 – June 2006) - postdoctoral researcher at the Laboratoire de Physique des Matériaux Divisés et des Interfaces, Université de Marne-la-Vallée, France.

1998 -2004 - PhD, dissertation "*Local velocities, shape and size of bubbles rising in solutions of surface active substances"* in Jerzy Haber Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences.

2002-2003 (10 months) – doctoral fellowsip at Max-Planck Institute of Colloids and Interfaces, Golm, Germany (German Academic Exchange Service DAAD fellowship).

1996 – 1997 (6 months) - TEMPUS research fellowship at the **Center for Chemistry and the Environment, Gorlaeus Laboratories, Leiden University.**

1995-1998 - Master of Science in the field of the Protection of the Environment, speciality chemistry of the environment, Chemistry Faculty, Jagiellonian University, Krakow, Poland

1993-1995 Bechelor of Science in the field of the Protection of the Environment, Chemistry Faculty, Jagiellonian University, Krakow, Poland.

Research projects led:

2016 – 2021 - Project Leader (PI), research project titled: "*Development of modern generation technology of stable biological surface film for various bio-medical applications (antibacterial or regeneration properties)*", funded by National Science Center of Poland, grant no. 2016/21/B/ST8/02107, budget ca. 260000 Euro
Project in progress. During the project we want to develop technology for generation and application of stable thin films of surface formulated from biosurfactants. Film compositions will be enhanced by the addition of biopolymers with huge biological (antibacterial, fungicidal or regenerative for skin) activity.

2020 – 2021 - Project Leader (PI), international bilateral cooperation – Polish – Italian Joint Research project under the agreement of scientific cooperation between Polish Academy of Sciences and the National Research Council, titled: "*Biocompatible foams and emulsions stabilized by natural surfactants and particles for bio-medical application"*. Italian cooperator: dr. F. Ravera from Institute of Condensed Matter Chemistry and Technologies for Energy CNR, Polish budget ca. 5000 Euro.
Project in progress. During the project we want to develop technology for generation and application of stable foam and emulsions formulated from mixtures of hypoallergenic, non-toxic biological polymers, mainly biosurfactants (proteins, polysaccharides, glycolipids and phospholipids).

2018 – 2020 - Project Leader (PI), international bilateral cooperation – Polish – German Joint Research Project under the agreement of scientific cooperation between Polish National Agency for Academic Exchange and the German Academic Exchange Agency, titled: "*Smart liquid/gas interfaces with photo-switchable surfactants"*. German cooperator: prof. Prof. Dr. Björn Braunschweig from Westfälische Wilhelms-Universität Münster, Polish budget ca. 5000 Euro, grant no. PPN/BIL/2018/1/00093
Project in progress. This collaboration aims to clarify the molecular structure and dynamics of photo-switchable surfactants at different hierarchical level of aqueous foam from the nano to the macroscopic scale. In order to reveal structure-property relationships that govern foam properties from the molecular building blocks at the liquid/gas interface to the macroscopic foam.

2018 – 2021 - Project Leader (PI), international bilateral cooperation – Polish – Bulgarian Joint Research project under the agreement of scientific cooperation between Polish Academy of Sciences and the Bulgarian Academy of Sciences, titled: "*Biocompatible particle-stabilized foams and emulsions for biomedical application"*. Bulgarian cooperator: prof. E. Mileva from Institute of Physical Chemistry, Bulgarian Academy of Sciences, Polish budget ca. 5000 Euro.
Project in progress. During the project we want to develop technology for generation and application of stable foam and emulsions formulated from mixtures of hypoallergenic, non-toxic biological polymers, mainly biosurfactants (proteins, polysaccharides, glycolipids and phospholipids).

2017 – 2019 - Project Leader (PI), international bilateral cooperation – Polish – Italian Joint Research project under the agreement of scientific cooperation between Polish Academy of Sciences and the National Research Council, titled: "*Biocompatible particle-stabilized foams and emulsions as carriers for healing agents"*. Italian cooperator: dr. F. Ravera from Institute of Condensed Matter Chemistry and Technologies for Energy CNR, Polish budget ca. 15000 Euro.

2011 - 2015 – Project Leader (PI), research project titled: "*New development in technology of stable and biodegradable foam generation – for industrial and biomedical application*", funded by National Science Center of Poland, grant no. 2011/01/B/ST8/03717, budget ca. 120000 Euro.

2002 - 2004 – Main Executor, PhD research project titled: *"Bubble local velocities, shapes and sizes in surface active agent solutions*" from Committee of a Scientific Research (Polish Ministry of Education and Science, project no. 4T09A05822, budget ca. 12500 Euro).

Most important prizes and awards:

i) Scientific Award of Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences, 2019
ii) Scientific Award of Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences, 2018
iii) Scientific prize of the Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences for the best publication, 2005;
iv) award for the best poster on the Conference SURUZ – „Surfactants and Dispersed Systems in Theory and Practice" 2003.

International mobility programs:

* EC COST CA15124 [2016-2020] NeuBIAS A new network of European Bioimage Analysts to advance life science imaging"
* EC COST MP1106 [2012-2016] SGI Smart and green interfaces – form single bubbles and drops to industrial, environmental and biomedical applications.
* EC COST CM1101 [2012-2016] **Colloidal Aspects of Nanoscience for Innovative Processes and Materials**
* EC COST P-21 [2006-2010] Physics of droplets.

Research experience at home and abroad - short time scientific missions:

28 different research visits in 11 various groups in Bulgaria, France, Germany, Belgium, Italy and Czech Republic, total time of missions 44 weeks (almost 10 months) – between 2009 and 2020

(long term home/abroad research visits or internships are presented on first page – Academic Career)

* Planned Erasmus Plus, Staff Mobility for Training research visit in Dr. Sandra Orvalho research group in University of Chemistry and Technology in Prague, Czech Republic. During the training I also visited additionally the dr. Jiri Veriazka research group in Institute of Chemical Process Fundamentals of Czech Academy of Sciences, Praque, Czech Rep. (2020, 1 week)
* Planned Erasmus Plus, Staff Mobility for Training research visit in dr. Francesca Ravera and dr. Libero Ligierri research group in Institute of Condensed Matter Chemistry and Technologies for Energy, National Research Council CNR, Genoa, Italy (2020, 1 week)
* Research visit in prof. Bjorn Braunchweig Fluid Interfaces and Soft Matter Materials research group, Muenster University, Germany (2019 November, 2 week, NAWA-DAAD bilateral project)
* Research visit in dr. Francesca Ravera and dr. Libero Ligierri research group in Institute of Condensed Matter Chemistry and Technologies for Energy, National Research Council CNR (2019 October, 2 weeks, CNR-PAS bilateral project)
* Research visit in prof. Michael Schlüter research group in "Institute of Multiphase Flows" in Technische Universität Hamburg-Harburg, Hamburg, Germany (2019 May, 1 week, Erasmus Plus)
* Research visit in prof. Bjorn Braunchweig Fluid Interfaces and Soft Matter Materials research group, Muenster University, Germany (2019 April, 1 week, Erasmus project)
* Research visit in prof. Bjorn Braunchweig Fluid Interfaces and Soft Matter Materials research group, Muenster University, Germany (2019 February, 1 week, NAWA-DAAD bilateral project)
* Research visit in Prof. Dr. Dieter Bothe "Mathematical Modelling and Analysis" (MMA) research group at Technische Universität Darmstadt, Germany (2019 January, 1 week, Erasmus Plus)
* Research visit in prof. Elena Mileva research group in Interfaces and Colloids Institute of Physical Chemistry, Bulgarian Academy of Sciences BAS, Sofia, Bulgaria, (October 2018, 1 week, BAS-PAS bilateral project)
* Research visit in dr. Francesca Ravera and dr. Libero Ligierri research group in Institute of Condensed Matter Chemistry and Technologies for Energy, National Research Council CNR, (October 2018, 2 weeks, CNR-PAS bilateral project)
* Research visit in dr. habil. Wiebke Drenckhan-Andreatta research group in Institute of Charles Sadron in Strasbourg, France (May 2018, 1 week) in the framework of my National Science Center Opus project 2016/21/B/ST8/02107 (May 2018, 1 week)
* Erasmus Plus, Staff Mobility for Training, visit in prof. Elena Mileva research group in Interfaces and Colloids Institute of Physical Chemistry, Bulgarian Academy of Sciences, Sofia, Bulgaria (May 2018, 2 weeks)
* Erasmus Plus, Staff Mobility for Training, visit in prof. Dominique Langevin research group - Laboratoire de Physique des Solides, Université Paris Sud., France (April 2018, 1 week)

* Research visit in dr. Jiri Veriazka research group in Institute of Chemical Process Fundamentals of Czech Academy of Sciences, Praque, Czech Rep, due to Polish – Czech Republic Joint Research Project (bilateral cooperation between both Academies of Sciences), (November 2017, 1 week).
* Research visit in dr. F. Ravera and dr. L. Ligierri research group in Institute of Condensed Matter Chemistry and Technologies for Energy, National Research Council CNR, founded by Polish – Italian Joint Research Project under the agreement of scientific bilateral cooperation between Polish Academy of Sciences and CNR, titled: "*Biocompatible particle-stabilized foams and emulsions as carriers for healing agents"*. (October 2017, 2 weeks)
* Visit in Fluid Interfaces and Soft Matter Materials research group**,** Muenster University, Germany, 05-07.09.2017, invitation from prof. Björn Braunschweig, short time scientific visit available thanks for the financial support from Muenster University, Germany. (September 2017, 1 week).
* Erasmus Plus, Staff Mobility for Training, visit in prof. Michael Schlüter research group in "Institute of Multiphase Flows" in Technische Universität Hamburg-Harburg, Hamburg, Germany (May 2017, 1 week).
* Erasmus Plus, Staff Mobility for Training, visit in prof. Dominique Langevin research group - Laboratoire de Physique des Solides, Université Paris Sud., France (February 2017, 1 week)
* Erasmus Plus, Staff Mobility for Training, visit in dr. Pavlina Basarova research group in University of Chemistry and Technology in Prague, Czech Republic. During the training I also visited additionally the dr. Jiri Veriazka research group in Institute of Chemical Process Fundamentals of Czech Academy of Sciences, Praque, Czech Rep. (December 2016, 2 weeks)
* Erasmus Plus, Staff Mobility for Training, visit in prof. E. Mileva research group in Interfaces and Colloids Institute of Physical Chemistry, Bulgarian Academy of Sciences, Sofia, Bulgaria. During the training I also visited additionally the prof. N. Denkov research group in Department of Chemistry and Pharmaceutical Engineering of Sofia University, Sofia, Bulgaria (October 2016, 2 weeks).
* Max-Planck Institute for Colloids and Surface Chemistry MPI CSC, Golm/Potsdam, Germany, short time scientific visit for research in dr. habil. Reinhard Miller research group, available thanks for the financial support obtained from MPI CSC and from Polish SME Luga – Cosmetic Center (July 2016, 2 weeks).
* Erasmus Plus, Staff Mobility for Training, visit in prof. Nicolas Vandewalle and prof. Herve Caps research group GRASP (Group for Research and Applications in Statistical Physics), University of Liege, Belgium (March 2015, 1 week).
* COST "Smart and green interfaces MP1106" STSM Scientific Mission at the Istituto per l' Energetica e le Interfasi, Consiglio Nazionale delle Ricerche, Genova, Italy, research group of dr. L. Ligierria and dr. F. Ravera (Nov. 2014, 2 weeks).
* Erasmus Plus, Staff Mobility for Training and Polish - Bulgarian Joint Research Project "Nanostructures at liquid/gas interfaces and stability of thin liquid films under static and dynamic conditions", Interfaces and Colloids Institute of Physical Chemistry, Bulgarian Academy of Sciences, Sofia, Bulgaria (October 2014, 2 weeks).
* COST "Colloidal Aspects of Nanoscience for Innovative Processes and Materials CM1101" STSM Short Time Scientific Mission in dr. habil. Reinhard Miller research group at Max-Planck Institute for Colloids and Surface Chemistry, Golm/Potsdam, Germany (January 2014, 3 weeks).
* COST "Smart and green interfaces MP1106" STSM Short Time Scientific Mission in prof. Nicolas Vandewalle and prof. Herve Caps research group at the GRASP (Group for Research and Applications in Statistical Physics), University of Liege, Belgium (January 2013, 4 weeks).
* COST "Physics of droplets" P-21 STSM Short Time Scientific Mission in prof. Nicolas Vandewalle and prof. Herve Caps research group at the GRASP (Group for Research and Applications in Statistical Physics), University of Liege, Belgium (November 2009, two weeks).

Other research related activities:

Invited major seminar-lectures in abroad Universities: 15

Fluid Interfaces and Soft Matter Materials research group**,** Muenster University, Germany, 11.02.2019

Mathematical Modelling and Analysis" (MMA) research group at Technische Universität Darmstadt, Germany, 14.01.2019

Institute Charles Sadron, CNRS, Strasbourg 31.05.2018,

Institute of Surface Chemistry, Bulgarian Academy of Sciences, Sofia 13.05.2018

Fluid Interfaces and Soft Matter Materials research group**,** Muenster University, Germany, 06.09.2017

Multiphase Flows Institute, Technische Universität Hamburg-Harburg, Germany, 30.05.2017,

Laboratoire de Physique des Solides, Université Paris Sud., France 20.02.2017
Institute of Chemical Process Fundamentals, Czech Academy of Science, 07.12.2016
University of Chemistry and Technology in Prague, Czech Republic, 28.11.2016
in the Department of Chemistry and Pharmaceutical Engineering of Sofia University, Sofia, Bulgaria, 10.10.2016
Institute of Surface Chemistry, Bulgarian Academy of Sciences, Sofia 07.10.2016
Max-Planck Institute for Colloids and Surface Chemistry, Golm/Potsdam, Germany, 20th July 2016
Institute of Surface Chemistry, Bulgarian Academy of Sciences, Sofia 30.10.2014
Department of Physics, University of Liege, Belgium, 19.01.2007
Department of Physics, University of Liege, Belgium, 18.01.2007

Other professional experience of importance :

Memberships in scientific organizations:

American Chemical Society (regular member no. 30391398)
International Association of Colloid and Interface Scientists
European Colloid & Interface Society
Bioelectrochemical Society
Polish Chemical Society
SIMS NCBR project participants society - since June 2016y. The SIMS is the society linking the participants of the National Center of Research and Development program SIMS Science Infrastructure Management Supports
DAAD Alumni – German Academic Exchange Service Alumni Association
PolDoc Association – Polish scientific career development associate,ion.
France Alumni - Pologne association

Host of the research visits of scientists from foreign scientific institutions:

dr. Francesca Ravera from Institute of Condensed Matter Chemistry and Technologies for Energy CNR, research visit (part of joint bilateral project PAS-CNR), December 2019

dr. Georgi Gochev, from Westfälische Wilhelms-Universität Münster, Germany. Research visit (part of joint bilateral project NAWA-DAAD), October 2019

Prof. Bjorn Braunschweig from Westfälische Wilhelms-Universität Münster, Germany. Research visit (part of joint bilateral project NAWA-DAAD), July 2019

dr. Georgi Gochev, from Westfälische Wilhelms-Universität Münster, Germany. Research visit (part of joint bilateral project NAWA-DAAD), May 2019

MSc Marco Schnurbus, from Westfälische Wilhelms-Universität Münster, Germany. Research visit (part of joint bilateral project NAWA-DAAD), March 2019

dr. Francesca Ravera and dr. Eva Santini from Institute of Condensed Matter Chemistry and Technologies for Energy CNR, research visit (part of joint bilateral project PAS-CNR), May 2019

dr. Georgi Gochev, from Westfälische Wilhelms-Universität Münster, Germany. Research visit (part of joint bilateral project NAWA-DAAD), March 2019

dr. Francesca Ravera and dr. Eva Santini from Institute of Condensed Matter Chemistry and Technologies for Energy CNR, research visit (part of joint bilateral project PAS-CNR), Nov. 2018

dr. Hristina Petkova from Interfaces and Colloids Institute of Bulgarian Academy of Science, research visit (part of joint bilateral project PAS-BAS), 5 – 9 Nov. 2018

dr. Patrick Kekicheff from Institut Charles Sadron / Soleil synchrotron, France – study visit of the foreign researcher (a program of Polish Academy of Science) 21-27 Oct. 2018

prof. Samina Yeganehzad from Research Institute of Food and Technology, Mashhad, Iran – research visit 28.09.2018

dr. Georgi Gochev from Fluid Interfaces and Soft Matter Materials research group, Muenster University, Germany, research visit 24-29.06.2018

dr. Francesca Ravera and dr. Eva Santini from Institute of Condensed Matter Chemistry and Technologies for Energy CNR, research visit (part of joint bilateral project PAS-CNR), June 2018

MSc Mohsen Dabestani, PhD student from Max-Planck Institute for Colloids and Surface Chemistry MPI CSC, Golm/Potsdam, Germany, research visit April 2018

dr. Francesca Ravera and dr. Eva Santini from Institute of Condensed Matter Chemistry and Technologies for Energy CNR, research visit (part of joint bilateral project PAS-CNR), September 2017

MSc Mohsen Dabestani, PhD student from Max-Planck Institute for Colloids and Surface Chemistry MPI CSC, Golm/Potsdam, Germany, research visit August 2017

dr. Pavlina Basarova, research group in the University of Chemistry and Technology in Prague, Czech Republic. 15-18 Mai 2017 – research visit - Erasmus Plus

dr. F. Ravera I dr. E. Santini, a research group in Institute of Condensed Matter Chemistry and Technologies for Energy, National Research Council, Genoa, Italy, 13-17 November 2017, research visit – bilateral project

MSc Mohsen Dabestani z Max Planck Institute for Colloids and Interfaces, research visit 7- 18 August 2017 – research visit

MSc Mohsen Dabestani z Max Planck Institute for Colloids and Interfaces, 27 November – 9 December 2017 – research visit

Scientific Review (and Expert) Activities:

Project expert/reviewer– **National Center of Research and Development of Poland (Szybka ścieżka 2018), National Science Center of Poland (Preludium 2xPanel, Sonata 2xPanel, Opus), National Agency of Academic Exchange (Ulam programme 2019, Academic International Partnership program 2019), BBSRC Biotechnology and Biological Sciences Research Council /UK Research and Innovations (Bacterial Plant Diseases Programme Phase 2 2019), Foundation for Polish Science,**

Journals (reviewer) - **Langmuir ACS (1x), Coll. Surf. A: (5x), Coll. Surf. B – Biointerfaces (3x); Journal of Colloids and Interfacial Science (1x), Experimental Thermal and Fluid Science (1x); Physicochemical Problems of Mineral Processing (2x),**

Supervision:

PhD student (co-supervisor/advisor (promotor pomocniczy)**, PhD** student works in my project NCN Opus 2016/21/B/ST8/02107) since March 2018,

Advisor of a PhD student, 2019 - MSc Moshen Dabestani, Research Institute of Food Science and Technology (RIFST), Iran, Mashhad , PhD thesis title: "Influence of Some Additives on The Stability and Volume Changes of Egg White Powder Protein Foam".

Opponent – member of the assessment committee for PhD defense of PhD student Mauro Torli, Technical University of Denmark 18th Feb. 2020.

Public engagement:

* "How to understand the foams… - inspiration in science, art and architecture", **M. Krzan,** lecture during the "Open days" in J. Haber Institute of Catalysis and surface Chemistry PAS, 45 minutes, 25th November 2016. (The event was aimed for Polish high school students)
* "Foaming – in serious and for fun… - about the impact of detergents of XXI century civilization", **M. Krzan,** lecture during the "XII Summer Meeting with the Science", as a part of "Baltic Festival of

Science 2014" in Centre for Creative Work of the Institute of Hydraulic Engineering Sciences pas at the Wdzydze-Jelenie lake, Czarlina, 45 minutes, 9th August 2014,
***** Television interview with me in France in Saclay Nuclear Research Center. I was representative of the Polish academic staff invited by French Atomic Energy and Alternative Energies Commission (CEA) in cooperation with z French National Institute for Nuclear Science and Technology (INSTN)

Additional Professional Courses:

Special training in the fields Project Management / Public Relations / Human Resource:
Research Team Management Training (Leadership and Management skills course for scientist) by Foundation for Polish Science (FPS) 2015,
- Project Management by FPS 2014,
- Project Management by SIMS project of the Polish National Center for Research and Development (NCRD) 2015,
- **Mentoring** (6th days training) by the Collegium Wratislaviense 2016,
Tutoring (8th days training) by the Collegium Wratislaviense 2017,
- Public engagement by FPS 2014,
- Negotiations by FPS 2014,
- Introduction for the mentoring by the Collegium Wratislaviense 2015,
- Communication, Public Relations and Marketing by SIMS project NCRD 2015,
- Creativity Lab - EUREKA! by SIMS project NCRD 2014,
- Strategy – research team strategy by SIMS project NCRD 2015,
- Law for scientists by SIMS project NCRD 2014,
- Innovative company management - business strategy game by FPS 2015
Intellectual Property law for scientists – by PolDoc Association – Polish scientific career development association, 2016
Protection of Intellectual and Industrial Properties for scientists (inventions, patents and patents research) by Maloposka Cluster Life Science (dr. eng. S. Błażej-Sosnowska and P. Godlewski), 2016
- Setting career goals. Training with elements of coaching – workshop by PolDoc Association – Polish scientific career development association, 2017

Special trainings in commercialization, courses in the fields of:
- **Strategic Thinking for Growing Your Enterprise (online) by Stanford University** 2016 (4 weeks), Stanford Business School, – successfully completed with Distinction, serving as a TEAM Leader of my own commercialization project.
- Commercialization of research results by FPS 2014,
- 3-Day Bioentrepreneurship Crash Course - Developing Business Skills in Life Sciences by Institute of Biocybernetics and Biomedical Engineering, PAS (Institute of Biocybernetics and Biomedical Engineering, IBIB PAN) 2015,
- Enterprise and initiative by FPS 2014,
- Presentation of research results in Social Media and Web 2.0, training for scientists by FPS 2014,
- Presentation of research results for Media and Business, training for scientists by FPS 2015,
- Business Development by SIMS project NCRD 2014,
- Finances - financial management by SIMS project NCRD 2015,
- Design Thinking by Malopolska Cluster Life Science 2014,
- Wikinomics for scientists by SIMS project NCRD 2015,
- Preparation for R&D activities -workshop Malopolska Cluster Life Science 2015,
- Wrap up, Kick off and Move to Next level – practical workshops in developing innovative technological solutions for scientists by SIMS project NCRD 2015,
- **Alpha-school** – two-days workshop for scientists, preparations for first contact with the investors. (diffusion of innovation, bussines model developments, models of cooperation with the bussines, Intelectual Property rights, presentatons for the investors). The worksop organised by Cracow Technology Park, 2016.
- **Business & Science Network** – professional training performed by PolDoc Association – Polish scientific career development association 2016

- **Public speaking, Elevator pitch** – 4.5 hours workshop during the Polish-American Innovative Bridge in Cracow November 2016 , trainers John Spence, Spencer Penhart and B. Józefowski

Special trainings in the field of international project applications – for applicants and/or reviewers/expert:
- Practical workshop and training in research and innovative project preparation for Horizon 2020 by Polish National Contact Point of EU research programs 2015.
- Practical workshop and training in project preparation for Horizon 2020 by provisional Contact Point of EU research programs 2016. (financial aspects of the applications).
- Practical workshop and training in innovative project preparation for InterReg Baltic Area and/or Central Europe EU programs 2016 by Polish Ministry of Infrastructure and Development 2016.
- Training for reviewers of innovative Polish and European research projects by Polish National Contact Point of EU research programs, Polish Ministry of Science and Higher Education and Polish National Center for Research and Development 2015.
- Training for reviewers European Horizon 2020 research projects by local Malopolska Contact Point of EU research programs – Cracow, 2016.
- Training for applicants of "SME Instrument" in European Horizon 2020 research projects by local Malopolska Contact Point of EU research programs – Cracow, 2017.
- Training for applicants of Polish National Center of Research and Development project "Szybka ścieżka - Fast way for SME" – 2017
- Training for experts of Polish National Center of Research and Development "Corruption in business" 2018
- Training for experts of Polish National Center of Research and Development "Corruption in public administration" 2018
- Training for experts of Polish National Center of Research and Development "Counteraction for corruption" 2018

Other professional courses:
- Writing in Science course (online) by Stanford University 2015 (8 weeks),
- Scientific writing course for advanced researchers by FNP 2015,
- Effective scientific publishing – training by « Amber Editing » 2017
- Matlab 2015
- Matlab - Simulink 2015
- Numerical computation using the super-computers Prometheus and Zeus from Cyfronet AHG -2017
- Programing in Python programming language for scientists – 2017
- GLP Good Laboratory Practice - implementation of the system and providing the highest quality testing in accordance with GLP rules – provided by "Lab-Ekspert Projekt Bioszkolenia" - 2017

Additional Information :
***** Participations in various research projects (as a main researcher):
- "InlinePV In-line Processing of n+/p and p/p+ Junction System for Cheap Photovoltaic Module Production (core)" – Polish –Norwegian Research Project 2014-2016;
- "Enzymes as nanotools. Development of a new, enzymes based technology for engineering selectively permeable, nano-structured membranes. Application as sensing", by Polish Ministry of Sciences and Higher Education, GDRE 1206/GR/2007/03 – European special project, budget ca. 500000 Euro, 2007-2010;
- „Investigation of the mechanism of action of collectors and modifiers flotation (Badanie mechanizmu działania kolektorów i modyfikatorów flotacji)". PBZ-3/3/I-1.2b podzadanie badawcze projektu realizowanego przez Instytut Metali Nieżelaznych w Gliwicach - leader: Kazimierz Małysa, 2008-2009
- "Dynamic interaction of the moving micro objects (particles, drops and bubbles) with interfaces (COST-Spub PBS 45/N-COST/2007/0, budget 250000Euro, 2007-2010;
- "Hydrodynamic of the wet foams" ESA MAP A099-108. The aim was to inject liquid in the foam in zero gravitation environments and to study the time variation of the liquid volume fraction, predicted

to be quite different due to disappearance of the drainage process, budget 283000Euro, 2004-2007 (during both postdocs);
- "Dynamic adsorption structure – influence of surface active substances on interfacial mobility", by Polish Ministry of Sciences and Higher Education, 3T09A16427, budget ca. 125000Euro, 2004-2007;
- "Influence of various molecular structure of surface active agent on its adsorption and self-organisations on liquid interfacial layers – Wpływ struktury molekularnej substancji powierzchniowo aktywnej na ich adsoprcję i samoorganizację na ciekłych granicach międzyfazowych" State Committee for Scientific Research (KBN), project no. 4 T09A 038 24, for years 2003-2005;
- "Adsorption kinetics and its impact on the bubble motion and foam film stability" (Wpływ kinetyki adsorpcji i ruchu bańki na stabilność filmu pianowego), State Committee for Scientific Research (KBN), project no. 4 T09A 058 22, for years 1998-2002;
* Participations in Polish scientific network: SURUZ (Surfaktanty i układy zdyspergowane w teorii i praktyce), 2005-2007y;
* Participations in Polish Academy of Sciences research and mobility programs:
* „Dynamic properties of mixed interfacial layers » (Właściwości dynamiczne powierzchni międzyfazowych ze złożonymi warstwami adsorpcyjnymi"). Copperation between PAS and UAN - leader: Kazimierz Małysa, 2015-2017

Other achievments / activities :

*** Member of the Scientific Board of Jerzy Haber Institute of Catalysis and Surface Chemistry PAS**
i) since Nov. 2016 till Dec. 2018;
ii) since Jan. 2019 – present.
*** Membership of Organization committees of International Scientific Conferences**: i) VXI International conference of Polish Chemical Society, Cracow 17-21 September 2018, ii) 5th International Workshop Bubble and Drop Interfaces B&D 2012, Kraków, 2012, 20-24.05.2012; iii) XLIV Polish Catalytic Conference – "Catalysis in the enviromental protection" Kraków, 2012 iv) XLIII Polish Catalytic Conference – "Catalysis in the enviromental protection Kraków, 2011 ; v) XLII Polish Catalytic Conference – "Catalysis in the enviromental protection Kraków, 2010 ; vi) XLI Polish Catalytic Conference – "Catalysis in the enviromental protection Kraków, April 2009, vii) XL Polish Catalytic Conference – "Catalysis in the enviromental protection Kraków, 2008
*** Membership in editorial board** of XLI Polish Catalytic Conference – "Catalysis in the enviromental protection Kraków, April 2009 (R. Gryboś, M. Krzan, B. Sulikowski Eds.) IKiFP PAN, Kraków, 2009, pp.153 [ISBN 978-83-60414-09-2].

Hobbies:

* amateur radio – under my callsign SP9XWD I am active in the short and ultrashort wave amateur radio frequencies since 1994.
* Hapkido /Korean martial art – Blue Belt (won in 2019), running and tracking, mountain climbing and caves exploring.
* theatre, opera, philharmonic.

Publications:

Hirsh index – **10** Web of Knowledge (WoK), **11** Scopus, **13** Google Scholar (GS)

Total citation number: 481 (total) / 437 (without self-citations) (WoK), 545 (total) Scopus, 723 (total - GS), 735 (total - my calculations).

Scientific book chapters: 2

Peer-review articles in journals JCR/ISI: 30

Other scientific journals: 4

Peer-review articles in proceedings of international conferences: 9

Oral presentations: 55 (26 times I was a presenting author)

Poster presentations: 60

Invited seminar in abroad Universities/scientific Institutes: 15

A. Chapters in scientific books:

• **M. Krzan,** A. Kulawik-Pióro, B. Tyliszczak „Foams stabilized by particles" chapter 15 in book "Foam Films and Foams: Fundamentals and Application" (D. Exerowa, G. Gochev, D. Platikanov, L. Liggieri and R. Miller (Eds.)), book in series of "Progress in colloids and Interfacial Science" 2018, ISBN 9781466587724, pp. 279-294, **IF 0, cited 0x,**

• **K. Malysa,** J. Zawala, M. Krzan, M. Krasowska, „Bubble rising in solutions, local and terminal velocities, shape variations and collisions with free surface", chapter 11 in book "Bubble and Drops Interfaces" ISBN 9789004174955, book in series of "Progress in Colloids and Interfacial Science" published 2011, pp. 243-292, **IF 0, cited 23xGS (16x WoK)**

B. Publications in peer-reviewed international scientific journals JCR/ISI:

• Agnieszka Czakaj, Aadithya Kannan, Agnieszka Wiśniewska, Gabriela Grześ,Marcel Krzan, Piotr Warszyński, Gerald G. Fuller Viscoelastic interfaces comprising of cellulose nanocrystals and lauroyl ethyl arginate for enhanced foam stability, Soft Matter, subbitted Nov. 2019, IF 3.399, **100 pkt MNiSW,** cited 0x

• Michał Mosiałek, Małgorzata Zimowska, Dmitry Kharitonov, Anna Komenda, Miłosz Górski, Marcel Krzan, Composite $YFe_{0.5}Co_{0.5}O_3$–$La_{0.8}Sr_{0.2}MnO_{3-d}$ cathode material for solid oxide fuel cell, Int J. Hydrogen Energ, accepted Febuary 2020, IF 4.084, **140 pkt MniSW,** cited 0x

• Marco Schnurbus, Malgorzata Kabat, Ewelina Jarek, Marcel Krzan, Piotr Warszynski, and Björn Braunschweig, Spiropyrane Sulfonates for Photo and pH Responsive Air-Water Interfaces and Aqueous Foam, ACS Langmuir, submitted October 2019, **IF 3.683, 100 pkt MNiSW, cited 0x**

• Karen Khachatryan; Magdalena Krystyjan; Marcel Krzan; Lusine Khachatryan, Gohar Khachatryan, Functional properties of composites containing silver nanoparticles embedded in hyaluronan and hyaluronan-lecithin matrix, International Journal of Biological Macromolecules, 149 (2020) 417-423, **IF 4.784, 100 pkt MNiSW, cited 0x**

•E. Santini, E. Jarek, **F. Ravera**, L. Ligierri, P. Warszynski, M. Krzan, „Surface properties and foamability of saponin and saponin-chitosan systems", Coll. Surf. B, 181 (2019) 198-206**, IF 4.0, cited 0x**

• K. Harazny, K. Walas, P. Urbańska, T. Witko, W. Snoch, A. Siemek, B. Jachimska, M. Krzan, B. Napruszewska, M. Witko, S. Bednarz, **M. Guzik**, "Polyhydroxyalkanoate derived hydrogen bond donors for synthesis of new Deep Eutectic Solvents", Green Chemistry, DOI 10.1039/C9GC00387H, **IF 8.586, cited 0x**

• **P. Chattopadhyay**, M. Chauhan, M. Krzan, A. Karthick, Surfactant Foam stabilized by Ethylene Glycol and Allyl Alcohol for the remediation of diesel contaminated soil, Environmental Technology and Innovation, 14 (2019) 100363, **IF 0.757, cited 0x**

•**P. Drzewicz**, G. Nałęcz-Jawecki, A. Smoliński, M. Krzan, A. Starzycka, "Evaluation of thermal treatment of oil containing drilling waste from shale gas exploration in Poland", Ecological Chemistry and Engineering S, 26 (2019) 45-57, **IF 0.842, cited 0x**

•**M. Dabestani,** M. Krzan, S. Yeganehzad, R. Miller, Characterisation of Egg White adsorption layers under equilibrium and dynamic conditions, Coll. Surf. A, 568 (2019) 29-35, **IF 3.13, cited 0**

• J.E.Olszówka, R.Karcz, A.Michalik-Zym, B.D.Napruszewska, E.Bielańska, J.Kryściak-Czerwenka, R.P.Socha, M.Nattich-Rak, M.Krzan, A.Klimek, K.Bahranowski, E.M.Serwicka, « Effect of grinding on the physico-chemical properties of Mg-Al hydrotalcite and its performance as a catalyst for Baeyer-Villiger oxidation of cyclohexanone », Catalysis Today, 333 (2019) 147-153 https://doi.org/10.1016/j.cattod.2018.05.035, **IF 4.233, cited 0x**

• **B. Tyliszczak**, S. Kudlacik, A. Drabczyk. M. Krzan, « Porównanie matryc hydrożelowych na bazie polisacharydów - Comparison of hydrogel matrixes on the basis of polysaccharides », Przemysł Chemiczny, 96/12 (2017), pp. 2540-2543, **IF 0.367, cited 0x**

• **Mosiałek**, A. Kędra, M. Krzan, E. Bielańska, M. Tatko, „$Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3-d}$–$La_{0.6}Sr_{0.4}Co_{0.8}Fe_{0.2}O_{3-d}$ composite cathode for solid oxide fuel cell", Arch. Metal. Mater. 61 (2016) 1137-1142 , **IF 1.09, cited 1x WoK**

• Jarek E., Warszynski P., **Krzan M.,** "Influence of various electrolytes on bubble motion in ionic surfactant solutions", Colloid Surf. A; 505 (2016) 171-176, DOI: 10.1016/j.colsurfa.2016.03.071, **IF 3.13, cited 2xGS (0x WoK)**

• **J. Olszówka,** R. Karcz, B. Napruszewska, E. Bielańska, R. Dula, M. Krzan, M. Nattich-Rak, R.P. Socha, A. Klimek, K. Bahranowska, E.M. Serwicka, „Magnesium and/or calcium-containing natural minerals as ecologically friendly catalysts for the Baeyer–Villiger oxidation of cyclohexanone with hydrogen peroxide" Applied Catalysis A: General 509 (2016) 52-65, **IF 4.354, cited 8xPoP (6x WoK)**

• **A. Kędra**, M. Mosiałek, M. Krzan, M. Tatko, M. Zimowska, E. Bielańska, E. Czerlunczakiewicz, "Supporting effect of silver on BSCF cathodes for SOFC", Materiały Ceramiczne / Ceramic Materials, 68 (2016) 70-75

• **Krzan M.,** Jarek E., Warszynski P., Rogalska E., "Effect of products of PLA2 catalysed hydrolysis of DLPC on motion of rising bubbles ", Colloid Surf. B - Biointerfaces, 128 (2015) 261-267, **IF 4.0, cited 3xGS (2x WoK)**

• **Dukhin S.S.; Kovalchuk V.I**., Lotfi M.; G.G. Gochev, Krzan M.; Malysa K.; Miller R., "Dynamics of Rear Stagnant Cap Formation at the Surface of spherical Bubbles in Surfactant Solutions under conditions of Small Marangoni Number and Slow Sorption Kinetics", Advances in Colloid and Interface Science, 222 (2015) 260-274, **IF 10.42, cited 13xWoK (11 GS)**

• **M. Mosiałek**, M. Krzan, M. Tatko, E. Bielańska, A. Kędra, A. Michna, E. Czerlunczakiewicz, "Composite cathode materials for solid oxide fuel cells", Materiały Ceramiczne / Ceramic Materials, 67 (2015) 220-221

• **Ulaganathan V**., Krzan M., Lotfi M., Dukhin S.S., Kovalchuk V.I., Javadi A., D.Z. Gunes, C.Gehin-Delval, Malysa K. and Miller R., "Influence of β-lactoglobulin and its surfactant mixtures on the velocity of rising bubbles", Colloid Surf. A;, 460 (2014) 361-368, **IF 3.13, cited 16xGS (12x WoK)**

• **Zawała J.,** Małysa E., Krzan M., Małysa K., "Monitoring of contamination of environmental and industrial waters using the bubble velocity measurements – advantages and limitations", Phys. Problem Mineral Process., 50 (2014) 143-157. **IF 1.013, cited 3xPoP (3xWoK)**

• **Krzan M.,** Caps H., Vandewalle N., "High stability of Bovine Serum Albumine foams in Hele-Shaw cell", Colloid & Surfaces A:, 438 (2013) 112-118, **IF 3.13, cited 9xGS (xWoK)**

• **Krzan M.,** "Rheology of the wet surfactant foams and biofoams – a review", Technical Transactions Chemistry 1-Ch/2013, pp. 9-27., **IF 0, cited 5xGS**

• **Krzan M.,** Malysa K., Influence of electrolyte presence on bubble motion in solutions of sodium n-alkyl sulfates (C8, C10, C12)", Physicochemical Problems of Mineral Processing 48 (2012) 49-62, **IF 1.013, cited 10xGS (6x WoK)**

• **Krzan M.,** Malysa K., (2009) "Influence of solution pH and electrolyte presence on bubble velocity in anionic surfactant solutions", Physicochemical Problems of Mineral Processing, 43, pp. 43-58, **IF 1.013, cited 8xGS (6xWoK)**

• **Cohen-Addad S**., Krzan M., Höhler R., Herzhaft B., (2007) „Rigidity Percolation in Particle-Laden Foams", Physical Review Letter, 99, pp. 168001-1 – 168004, **IF 6.7, cited 27xGS (19x WoK)**

• **Krzan M.,** Zawala J., Malysa K., (2007) „Development of steady state adsorption distribution over interface of a bubble rising in solutions of n-alkanols (C_5, C_8) and n-alcyltrimethylammonium bromides (C_8, C_{12}, C_{16}) ", Colloid & Surfaces A: 298: 42-51, **IF 3.13, cited 66xGS (48x WoK)**

• **Malysa K**., Krasowska M., Krzan M., (2005) „Influence of surface active substances on bubble motion and collision with various interfaces", Advances in Colloid and Interface Science, 114-115C: 205-225, **IF 10.42, cited 176xGS (131xWoK)**

• **Krzan M.,** Lunkenheimer K., Malysa K., (2004) „On the influence of the surfactant's polar group on the local and terminal velocities of bubbles", Colloid & Surfaces A:, 250: 431-441, **IF 3.13, cited 48xGS (34x WoK)**

• **Krzan M.,** Lunkenheimer K., Małysa K., (2003) „Pulsation and bouncing of a bubble prior to rupture and/or foam film formation", Langmuir, 19: 6586-6589, **IF 4.457, cited 41xGS (33x WoK)**

• **M. Krasowska,** M. Krzan, K. Małysa, (2003) „Bubble collisions with hydrophobic and hydrophilic surfaces in α-terpineol solutions", Physicochemical Problems of Mineral Processing", 37: 37-50, **IF 1.013, cited 22xGS**

• **M. Krasowska,** M. Krzan, K. Małysa, (2003) „Bubble bouncing and shape pulsation in in α-terpineol and n-pentanol solutions at liquid/solid interfaces", Annales of the Polish Chemical Society, vol. 2 : 1109. **IF 0, cited 2x**

• Krzan M., **Malysa K.,** (2002) „Profiles of local velocities of bubbles in n-butanol, n-hexanol and n-nonanol solutions", Colloids & Surfaces A:, 207: 279-291, **IF 3.13, cited 78xGS (55x WoK)**

• **Krzan M.,** Małysa K., (2002) „Influence of frother concentration on bubble dimension and rising velocities", Physicochemical Problem of Mineral Processing, 36: 65-76, **IF 1.013, cited 18xGS**

• **van den Brink R.W**., Krzan M., Feijen-Jeurissen M.M.R., Louw R., Mülder P., (2000) „The role of the support and dispersion in the catalytic combustion of chlorobenzene on noble metal based catalysts", Applied Catalysis B-Environmental 24**:** 255-261, **IF 14.22, cited 75xGS (55x WoK)**

• **C. Publications in peer-reviewed proceedings of international conferences:**

• **M. Krzan,** J. Zawala, K. Malysa, "Dynamic structure of adsorption layer over interface of bubble rising in protein solutions", 2007, International Scientific Conference SURUZ "Surfactants and Dispersed Systems in Theory and Practice", Książe k/Wałbrzycha, May 22-25, 2007, ISBN 83-7076-125-9, p. 91-95, DOI: 10.13140/RG.2.1.2725.7040

• **M. Krzan,** J. Zawala, M. Krasowska, K. Malysa "Bubble motion as a method of detection of organic contaminations in water" – OILS&ENVIROINMET (2005) editors: J. Hupka, R. Aranowski, ISBN 83-914495-1-3 (2005) 170-177, DOI: 10.13140/RG.2.1.4298.5685

• **J. Zawala,** M. Krzan,, M. Krasowska, K. Malysa "Inducement of the dynamic structures at liquid/gas interface, acceleration and velocity of the detaching bubble" – Surfactants and Dispersed Systems in Theory and Practice (2005) editor: K.A. Wilk, ISBN 83-920032-3-3 (2005) 115-118, DOI: 10.13140/RG.2.1.3774.2806 **IF 0, cited 1xPoP**

• **Krasowska M.,** Krzan M., Malysa K., (2004) „Frother Inducement of the Bubble Attachment to Hydrophobic Solid Surface", Proceedings of the 5th UBC-McGill Bi-Annual International Symposium of Fundamentals of Mineral Processing, August 22-25, 2004, Canadian Institute of Mining, Metallurgy and Petroleum paper, pages 121-135, DOI: 10.13140/RG.2.1.2856.7766, **IF 0, cited 12xPoP (9x WoK)**

• **Krasowska M.,** Krzan M., Lunkenheimer K., Małysa K., (2003) ”Influence of n-pentanol concentration on the bubble pulsation and bouncing” in “Surfactants and Dispersed Systems in Theory and Practice”, conference proceedings: SURUZ, Polanica Zdrój 2003, pp. 241-245, DOI: 10.13140/RG.2.1.2463.5601

• **Krzan M.,** Małysa K. (2003) ”Effect of n-alkanol adsorption on profiles of bubble local velocities”, in “Surfactants and Dispersed System(s in Theory and Practice”, conference proceedings: SURUZ, Polanica Zdrój 2003, pp. 227-231, DOI: 10.13140/RG.2.1.1414.9846

• **Pietraszek A.,** Krzan M., Najbar M., (2002) „Preliminary result concerning NO reduction by methane over Pt(2%Rh)/Al_2O_3 catalyst”, Proceedings of the Polish-French Meeting - Jumelage - Matériaux Carbonés et Catalytiques pour L’Environnement, 2002, p. 233.

• **Krzan M.,** Małysa K., „Prędkości lokalne oraz rozmiar i kształt baniek w roztworach heksanolu-1 i nonanolu-1”, (2000) Prace Nauk. Instytutu Technol. Organ. Tworzyw Sztuczn. Politechniki Wrocławskiej, Seria: Konferencje, 48 [22] (2000) 99-102.

• **Krzan M.,** Małysa K., „Variations of local velocities, dimensions and shape in hexanol-1 solutions”, (2000) Proc. EuroConf. Foams, Emulsions & Applications (EuroFoam 2000), Delft, The Netherlands, June 4-8, 2000, pp. 231- 238, MIT Publishing 2000, Kiebitzbrink 79A, 28357 Bremen (Germany), DOI: 10.13140/RG.2.1.2987.8481

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•**D. Non-refereed contributions - conference posters or oral presentations:** > 53 orals / > 47 posters

1. Agnieszka Czakaj, Aadithya Kannan, Gerald G. Fuller, Marcel Krzan, Piotr Warszyński, Dynamic fluid film interferometry for coalescence study in lauroyl ethyl – arginate – cellulose nanocrystals mixtures, ECIS European Colloids and Surfactant conference, Leuven, Belgium 8-13 September 2019 (poster) Book of abstract for posters page 48
2. E. Jarek, M. Krzan, P. Warszynski, E. Santini, L. Ligierri, F. Ravera, Properties of binary saponin – chitosan solutions: adsorption and stability of foams and emulsions, ECIS European Colloids and Surfactant conference, Leuven, Belgium 8-13 September 2019 (poster) Book of abstract for posters page 112
3. M. Kabat, P. Warszyński, M. Krzan, E. Jarek, Preparation and physicochemical characterization of emulsions produced using selected biosurfactants and proteins, European Student Colloid conference 2019, Varna 18-22 June 2019, (poster) Book of abstract page 71
4. M. Krzan, G. Gochev, Ch. Honnigfort, M. Schnurbus, P. Warszynski, B. Braunschweig, „Bubble rising velocities as a surface-activity indicator in photo-switchable surfactant solutions”, Bubble and Drops conference, Sofia 24-28 June 2019, (poster) Book of abstract page 150
5. M. Schnurbus, M. Kabat, M. Krzan, B. Braunschweig, “Using light and pH for changing interfacial properties, changing state and foam stability”, Bubble and Drops conference, Sofia 24-28 June 2019, (poster) Book of abstract page 173
6. E. Santini, E. Jarek, L. Ligierri, F. Ravera P. Warszynski, M. Krzan, „"Surface properties and foamability of saponin and saponin-chitosan systems", Bubble and Drops conference, Sofia 24-28 June 2019, (oral), Book of abstract page 108
7. A. Czakaj, M. Krzan, P. Warszynski, Linear viscoelastic properties of cellulose nanocrystals – lauroyl ethyl arginate, Annual European Rheology Conference AERC 2019, Prohors, Slovenia, 8-11 April 2019 (oral), poster BE13, page 26 in Book of Abstract

8. M. Kabat, P. Warszyński, M. Krzan, E. Jarek, M. Nattich-Rak, Preparation and physicochemical characterization of emulsions produced using selected biosurfactants and proteins, ECIS European Colloids and Surfactant conference, Leuven, Belgium 8-13 September 2019 (poster) Book of abstract for posters page 118

9. M. Kabat, E. Jarek, P. Warszynski, M. Krzan, „Otrzymywanie oraz charakterystyka fizykochemiczna emulsji wytworzonych przy użyciu biosurfaktantów i białka, konferencja „Fizykochemia bez granic" Uniwersytet Marii Curie Skłodowskiej, Lublin maj 13-17, 2019rok, (oral) Book of abstract page 24

10. M. Mosiałek, M. Krzan, M. Zimowska, D. Kharitonov, Composite yttrium iron cobaltite–lanthanum strontium manganese oxide cathode material for solid oxide fuel cells, Composites and ceramic materials – technology, application and testing, Białowieża 4-7.07.2019, Książka abstraktów str. 54. ISBN978-83-65955-34-0

11. F.Ravera, E.Santini, L.Ligieri, M.Krzan, E.Jarek, P.Warszyński, "Surface properties and foamability of Saponine and Chitosan solutions", 32nd conference of The European Colloid and Interface Society" Ljubliana, Slovenia, ISBN 978-961-6756-90-7, 2nd-7th September 2018, ebook of abstract p.176 poster

12. Ewelina Jarek, Eva Santini, Agnieszka Czakaj, Małgorzata Kabat, Francesca Ravera, Libero Liggieri, Piotr Warszyński, Marcel Krzan, Surface properties of Saponin and Chitosan solutions in relation to their foamability, 61st Polish Chemical Sociecty conference, 17-21 September 2018, Cracow, Poland (oral)

13. Agnieszka Czakaj, Małgorzata Kabat, Ewelina Jarek, Marcel Krzan, Piotr Warszyński, Foaming and emulsifying properties of cellulose nanofibers – lauroyl ethyl arginate, 61st Polish Chemical Society conference, 17-21 September 2018, Cracow, Poland (oral)

14. Katarzyna Haraźna, Tomasz Witko, Daria Solarz, Małgorzata Witko, Marcel Krzan, Andrzej Bojarski, Maciej Guzik „Biophysical studies on biocompatible polymers for medical applications - polyhydroxyoctanoate (PHO)" 4th International Conference on Biomedical Polymers & Polymeric Biomaterials 15-18 July 2018 (poster)

15. M. Krzan, G. Khachatryan, K. Khachatryan, M. Krystyjan, Formation and properties Starch-graphene oxide bionanocomposite films" Eufoam 2018, Liege, Belgium, 10-12 July 2018 (poster)

16. M. Krzan, M. Dabestani, S. Yeganehzad, R. Miller "Influence of pH variations on surface properties in saponin / egg white proteins / Persian gum solutions and their mixtures", Eufoam 2018, Liege, Belgium, 10-12 July 2018 (oral)

17. E. Santini, F. Ravera, M. Krzan, E. Jarek, P. Warszynski, L. Liggieri, „Saponin and chitosan: Surface properties and foamability", Eufoam 2018, Liege, Belgium, 10-12 July 2018 (oral)

18. E. Santini, F. Ravera, M. Krzan, E. Jarek, P. Warszynski, L. Liggieri, „Saponin and chitosan: Surface properties and foamability", 16th International IACIS conference (International Association of Colloid and Interface Scientist), 21-25 May 2018, Rotterdam, The Netherlands, (poster)

19. M. Krzan, E. Santini, E. Jarek, F. Ravera, P. Warszynski, L. Liggierri, Surface properties and foamabilities of saponin / chitosan solutions and their mixtures, International Conference on Catalysis and Surface Chemistry, Jerzy Haber Institute of Catalysis and Surface Cheistry, Polish Academy of Sciences, 18-23 March 2018, Krakow, book of abstract p. 225, oral

20. M. Krzan, M. Dabestani, S. Yeganehzad, R. Miller, Influence of pH variation on bubble motion in saponin / egg white proteins solutions and mixtures, Jerzy Haber

Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences, 18-23 March 2018, Krakow, book of abstract p. 397, poster,

21. M. Krzan, , E. Santini, E. Jarek H. Petkova, L. Szyk- Warszynska F. Ravera,, R. Todorov E. Mileva, P. Warszynski, , L. Liggieri, "Surface properties and foamabilitis of lauroyl ethyl arginate / chitosan mixtures containing colloidal silica particles, Jerzy Haber Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences, 18-23 March 2018, Krakow, book of abstract p. 399, poster,

22. J. Piotrowska, R. Karcz, E. Bielańska, A. Michalik – Zym, B. Napruszewska, M. Nattich-Rak, M. Krzan, E. M. Serwicka, „Synthetic and post-synthetic modifications of Mg/Al hydrotalcite-like materials used as catalyst for Baeyer-Villiger oxidation of cyclohexanone with H2O2", 8th World Congress on Oxidation Catalysis 3-8 września 2017, w Krakowie, p. 135 in Book of abstract, (oral)

23. M. Krzan, "Influence of wake presence on bubble accelerations and local velocities", 7th Bubble and Drops international workshop, Lyon 26-30 June 2017, (poster A15),

24. M. Krzan, H. Petkova, E. Santini, E. Jarek, S. Kudłacik – Kramarczyk, A. Drabczyk, B. Tyliszczak, L. Szyk- Warszynska, E. Mileva, P. Warszynski, R. Todorov, F. Ravera, L. Liggieri, D. Exerowa, "Stable and easy biodegradable particle stabilized foams", 7th Bubble and Drops international workshop, Lyon 26-30 June 2017, (oral),

25. M. Krzan, S. Kudlacik-Kramarczyk, A. Drabczyk, E. Jarek, B. Tyliszczak, P. Basarova, R. Miller „Influence of n-alkanol chain length on acceleration, local and terminal velocities of bubbles", 7th Bubble and Drops international workshop, Lyon 26-30 June 2017, (poster B15)-

26. M. Krzan, E. Rio, W. Drenckhan-Andreatta, D. Langvein, "Stability of whey protein foams generated in double-syringe device", 7th Bubble and Drops international workshop, Lyon 26-30 June 2017, (poster A16),

27. M. Krzan, S. Kudlacik-Kramarczyk, A. Drabczyk, B. Tyliszczak, „Studies of hydrogel matrices based on polysaccharides", 7th Bubble and Drops international workshop, Lyon 26-30 June 2017, (poster B16)

28. J.Piotrowska, R. Karcz, A. Michalik-Zym, B. Napruszewska, D. Mucha, E. Bielańska, M. Krzan, M. Nattich-Rak, E. M. Serwicka, „Catalytic oxidation of cyclohexanone to e-caprolactone with hydrogen peroxide over hydrotalcite-like materials subjected to grinding" III International Scientific Conference Oxygenalia 2016, Cracow, 18-19 November 2016, Book of abstract p. 100, poster no, P-C 022

29. B. Tyliszczak, E. Jarek, H. Petkova, E. Santini, S. Kudłacik, K. Bialik-Wąs, A. Drabczyk, V. Ungalantha, M. Lofti, A. Javadi, E. Mileva, P. Warszynski, R. Todorov, F. Ravera, L. Liggieri, R. Miller, D. Exerowa, M. Krzan, „Biodegradable aqueous foams containing various polysaccharides - biofoams for industrial and biomedical applications", 7th Workshop on Green Chemistry and Nanotechnologies in Polymer Chemistry (IV National Nanotechnology and Polymer Congress), 21-23 September 2016, San jose, Costa Rica, Book of Abstract, p. 36, (poster)

30. R. Kosydar, S. Scirè, A. Drelinkiewicz, R. Fiorenza, E. Bielańska, M. Krzan, J. Gurgul, M. Ruggiero-Mikołajczyk, « Hydrolysis of sodium borohydride and ammonia borane onc carbon supported Ru, Pt and Ru-Pt catalysts", French conference on Catalysis, Frejus, 23-27.05.2016, Book of Abstract PCM-7 (poster).

31. M. Krzan, E. Jarek, H. Petkova, E. Santini, S. Kudłacik, K. Bialik-Wąs, A. Drabczyk, V. Ungalantha, M. Lofti, A. Javadi, B. Tyliszczak, E. Mileva, P. Warszynski, R. Todorov, F. Ravera, L. Liggieri, R. Miller, D. Exerowa, „Piany ciekłe wytworzone na bazie mieszanin polisacharydów do zastosowań kosmetycznych i biomedycznych", konferencja „Nowoczesna Kosmetologia – od Nauki od Biznesu", Kraków, 28 maja 2016, Book of Abstract p. 14 (oral)

32. K. Luther, M. Krzan, "Luga – Centrum Kosmetyczne S.C. – innowacyjna firma kosmetologiczna", konferencja „Nowoczesna Kosmetologia – od Nauki od Biznesu", Kraków, 28 maja 2016, Book of Abstract p. 53 (poster P25)

33. Krzan M., "Influence of bubble wake, its size and shape on the bubble local and terminal velocities", EuFoam international conference 2016, Dublin, Irleand, 4-7.07.2016, Book of Abstract p. 78 (oral)

34. M. Krzan, E. Jarek, H. Petkova, E. Santini, V. Ungalantha, M. Lofti, A. Javadi, E. Mileva, P. Warsyznski, R. Todorov, F. Ravera, L. Liggieri, R. Miller, D. Exerowa., "Stable and biodegradable aqueous foams for industrial or biomedical applications", EuFoam 2016, Dublin, Irleand, , 4-7.07.2016, Book of Abstract p. 98 (poster P20)

35. Krzan M., "Influence of bubble wake development on bubble motion in surfactant solutions", SGI-FunC Syphosium as a part of COST Smart and Green Interfaces program, 4th-6th May 2016, Athens, Greece, Book of Abstract p. 38 (oral)

36. M. Krzan, E. Jarek, H. Petkova, E. Santini, V. Ungalantha, M. Lofti, A. Javadi, E. Mileva, P. Warszynski, R. Todorov, F. Ravera, L. Liggieri, R. Miller, D. Exerowa., "Biodegradable aqueous foams based on xanthan and gellan gums", SGI-FunC Syphosium as a part of COST Smart and Green Interfaces program, 4th-6th May 2016, Athens, Greece, Book of Abstract p. 103 (poster)

37. Krzan M., "Influence of n-alcanol chain length on local and terminal velocities of rising bubbles", SGI-FunC Syphosium as a part of COST Smart and Green Interfaces program, 4th-6th May 2016, Athens, Greece, Book of Abstract p. 104 (poster)

38. J. Olszówka, R. Karcz, , E. Bielańska, R. Dula, B. Napruszewska, M. Krzan, M. Nattich-Rak, A. Klimek, K. Bahranowska, E.M. Serwicka, „Magnezyt i dolomit jako katalizatory utleniania cykloheksanu do e-kaprolaktonu przy użyciu nadtlenku wodoru – wpływ aktywacji mechanochemicznej, Kollokwium katalityczne 2016, Kraków, 16-18 marzec 2016, Book of abstrack P-36, str. 148, (poster)

39. Krzan M., Jarek E., Santini E., Petkova H., V. Ulaganatha, Marzi L., Javadi A., Ravera F., Todorov R., Warszynski P., Mileva E., Miller R., Exerowa D., Ligierri L., "Stable and biocompatible particle laden foams – the influence of interfacial properties of the mixed adsorption layer on foam film stability and elasticity", SGI-FunD Syphosium as a part of COST Smart and Green Interfaces program, 29th-31th October 2015, Sofia, Bulgaria (oral)

40. Krzan M., Petkova H., Santini E., Jarek E., Mileva E., Warszynski P., Todorov R., Ravera F., Ligierri L., Exerowa D., "Stable and biocompatible particle laden foams and interfacial properties of the mixed adsorption layer",5th International Conference on Biofoams, 13-16 October 2015 (poster)

41. Ulaganathan V., Gochev G., Krzan M., Dukhin S.S., Gehin-Delval C. and Miller R., "Effect of pH and salt concentration on velocity of rising bubbles in Beta-Lactoglobulin solution", Bubble and Drops interfaces conference, Golm-Potsdam, Niemcy, 6-10 July 2015, (oral)

42. Krzan M., Petkova H., Santini E., Jarek E., Mileva E., Warszynski P., Todorov R., Ravera F., Ligierri L., Exerowa D., "The influence of colloidal particles on the foam film stability and elasticity', Bubble and Drops interfaces conference, Golm-Potsdam, Niemcy, 6-10 July 2015, (poster)

43. Krzan M., Jarek E., Warszynski P., "Influence of inorganic electrolytes on bubble motion in CTAB and SHS solutions",Bubble and Drops interfaces conference, Golm-Potsdam, Niemcy 6-10 July 2015, (oral)

44. Ulaganathan V., Gochev G., Krzan M., Dukhin S.S., Gehin-Delval C. and Miller R., "Effect of pH and salt concentration on velocity of rising bubbles in Beta-

Lactoglobulin solution“, 15th European Student Colloid Conference, June 8-11, 2015, Krakow, Poland (oral)

45. Mosiolek M., Krzan M., Tatko M., Bielanska E., Kedra A., Michna A., Czerlunczakiewicz E., “Composite cathode materials for solid oxide fuel cells“, 14th Conference under auspices of E-MRS “Composite and ceramic materials – technology, application and testing”, Białowieża 1-3.06.2015, Poland (oral)

46. Krzan M., Petkova H., Santini E., Jarek E., Mileva E., Warszynski P., Todorov R., Ravera F., Ligierri L., Exerowa D., “Stable and biodegradable aqueous foams for industrial or biomedical applications’, Smart and Green Interfaces conference SGIC 2015, March 30- April 1, 2015, Belgrade Serbia, (oral) p.36

47. Krzan M., Jarek E., Warszynski P., “Bubble motion in ionic surfactants solutions – influence of various inorganic electrolytes“, Smart and Green Interfaces conference SGIC 2015, March 30- April 1, 2015, Belgrade Serbia, (poster) p.36

48. Krzan M., Jarek E., Warszynski P., V. Ulaganatha, M. Lotfi, A. Javadi and R. Miller, "Stable and biodegradable foams for industrial, medical or cosmetic applications", 28th European Colloid and Interface Society conference, 7-12 September 2014, Limassol, Cyprus (poster)

49. Krzan M., "Pienimy się - na poważnie i na wesoło... czyli o wpływie detergentów na cywilizację XXI wieku", XII Letnie Spotkania z Nauką w ramach Bałtyckiego Festiwalu Nauki 2014, Ośrodek Pracy Twórczej Instytutu Budownictwa Wodnego PAN nad jeziorem Wdzydze, Czarlina, 9 sierpnia 2014 (oral - 45 minut).

50. Krzan M., Jarek E., Warszynski P., Rogalska E., Fast method for detection of water soluble surface-active products of enzymatic reaction", 10th European Conference on Foams and Applications - Eufoam 2014, 7-10 July 2014, Aristotle University of Thessaloniki, Thessaloniki, Greece. (poster)

51. Krzan M., Jarek E., Warszynski P., "Influence of different electrolytes on bubble motion in ionic surfactants solutions", 10th European Conference on Foams and Applications - Eufoam 2014, 7-10 July 2014, Aristotle University of Thessaloniki, Thessaloniki Greece. (poster)

52. Krzan M., Jarek E., Warszynski P., V. Ulaganatha, M. Lotfi, A. Javadi and R. Miller, "Stable and biodegradable aqueous particle laden biofoams for medical, cosmetic or industrial applications", 10th European Conference on Foams and Applications - Eufoam 2014, 7-10 July 2014, Aristotle University of Thessaloniki, Thessaloniki, Greece. (oral)

53. G. Gochev, J. Won, V. Ulaganatha, I. Retzlaff, J. Krägel, M. Krzan, K. Malysa, V.B. Fainerman, E.V. Aksenenko, D. Exerowa, R. Miller, "Dynamic surface properties and foam film behviour of β-lactoglobulin (BLG) solutions", 10th European Conference on Foams and Applications - Eufoam 2014, 7-10 July 2014, Aristotle University of Thessaloniki, Thessaloniki, Greece. (poster)

54. Krzan M., Małysa K., "Influence of n-alcohols chain length (C2-C10) on initial acceleration, local and terminal velocities of the rising bubbles”, 20th International Symposium on Surfactants in Solution (SIS 2014), 23-27 June 2014, Universidade de Coimbra, Coimbra, Portugal. (poster)

55. Krzan M., Jarek E., Warszynski P. V. Ulaganatha, M. Lotfi, A. Javadi and R. Miller, , Stable and biodegradable aqueous foams for industrial and biomedical applications", 20th International Symposium on Surfactants in Solution (SIS 2014), 23-27 June 2014, Universidade de Coimbra, Coimbra, Portugal. (oral)

56. Zawała J., Małysa E., Krzan M., Małysa K., "Monitoring of contamination of environmental and industrial waters using the bubble velocity measurements –

advantages and limitations", Minera Engineering Conference MEC 2013, 16-19 September 2013, Świeradow Zdroj, Lower Silesia, Poland (oral).

57. Krzan M., Jarek E., Warszynski P., New development in technology of stable and biodegradable foam generation -for industrial and biomedical application", 46th Biennial Meeting of the Colloid Society, September 23-25, 2013 at Paderborn University (poster)

58. V. Ulaganatha, M. Krzan, M. Lotfi, S.S. Dukhin, K. Malysa and R. Miller, Influence of β-lactoglobulin and its surfactant mixtures, 27th Conference of European Colloid and Interface Society ECIS, 1-6 September 2013, Sofia, Bulgaria (oral).

59. M. Krzan , K. Malysa, "Influence of electrolyte on bubble motion in solutions of ionic and non-ionic surface active substances", COST CM1101 Workshop on Dynamic and Liquid Interfaces, Max-Planck Institute for Colloids and Interfaces, Golm/Potsdam, 8-10 July 2013 (oral).

60. K. Malysa, J. Zawala, M. Krzan, E. Malysa, "Rising bubble velocity in monitoring contaminations of environmental and industrial waters", COST CM1101 Workshop on Dynamic and Liquid Interfaces, Max-Planck Institute for Colloids and Interfaces, Golm/Potsdam, 8-10 July 2013 (oral).

61. M. Krzan, "Automatic and direct investigation of bubble motion in aqueous surfactant solutions by using digital image processing techniques" 3rd International Symposium on Surface Imaging/Spectroscopy at the Solid/Liquid Interface, May 27th – June 1st, 2012, Cracow, Poland (oral).

62. M. Krzan, "Rheology of the wet surfactant foams and biofoams – a review", III Krakowskie Warsztaty Reologiczne, 19-20 April 2012, Cracow (oral).

63. M. Krzan, E. Jarek , P. Warszynski , E. Rogalska, "Fast method for detection of water soluble surface-active products of enzymatic reaction by monitoring of the bubble velocity variations", XLIV Polish Annual Conference on Catalysis, 14-16 March 2012, Cracow, Poland (poster).

64. M. Krzan, P. Zychowska, J. Zawala and K. Malysa, "Monitoring of waters contamination by measurements of the bubble velocity variations" Bubble and Drop Interfaces, 5th International Workshop, 20-24.05.2012 Cracow, Poland. (poster).

65. M. Krzan and K. Malysa, "Effect of the surfactant polar group on the bubble rising velocity", Bubble and Drop Interfaces, 5th International Workshop, 20-24.05.2012 Cracow, Poland. (poster).

66. E. Jarek, M. Krzan, L. Szyk-Warszyńska, M. Orlof, K. Czapla, B. Korchowiec, P. Warszyński, K. Malysa i E. Rogalska, Monitoring of enzymatic hydrolysis of phospholipases at solid/liquid and air/water interfaces by dynamic surface activity of its products, Bubble and Drop Interfaces, 5th International Workshop, 20-24.05.2012 Cracow, Poland. (oral)

67. V. Ulaganathan, M. Lotfi, M. Karbaschi, M. Krzan, K. Malysa, G. Gotchev, A. Javadi and R. Miller, "Studies on the bubble rising in mixed protein/surfactant solutions", EUFOAM 2012 Conference, Lisbon, Portugal, 8 – 11 July, 2012, (poster).

68. M. Krzan, H. Caps, N. Vandewalle, "High stability of the Bovine Serum Albumine foams evidenced in Hele-Shaw cell" EUFOAM 2012 Conference, Lisbon, Portugal, 8 – 11 July, 2012, (oral).

69. M. Krzan, E. Jarek , P. Warszynski , E. Rogalska, "A fast method for detecting of water soluble surface-active products of enzymatic reaction by monitoring of bubble velocity variations " EUFOAM 2012 Conference, Lisbon, Portugal, 8 – 11 July, 2012, (poster).

70. M. Krzan, P. Zychowska, J. Zawala and K. Malysa, "Monitoring of waters pollution by measurements the bubble velocity variations", 19th International Symposium on Surfactants in Solution, June 24-28, 2012, (oral)

71. Krzan M., Jarek E., Chrzanowska A., Warszynski P., Malysa K., "Fast method for detection of water soluble surface-active products of enzymatic reaction by monitoring of variations of bubble local velocity", XXI International Symposium on Bioelectrochemistry and Bioenergetics, 8 - 12 May 2011, Cracow, Poland, (poster).

72. Jarek E., Krzan M., Pajor A., Orlof M., Czapla K., Szyk-Warszynska L., Korchowiec B., Warszynski P., "Enzymes as nanotools – analysis of the enzymatic reaction occurring in phospholipid layers at liquid/gas and liquid/solid interfaces", XLIII Polish Annual Conference on Catalysis, 16-18 March 2011, Cracow, Poland.

73. A. Olszewska, M. Krzan, E. Jarek, P. Warszynski, K. Malysa, "Influence of pH on adsorption and the bubble velocity parameters in n-alkanoic acid solutions", Bubble and Drop International Workshop 2009 in Thessaloniki, Greece, September 23-25, poster P21A.

74. Krzan M., Malysa K., "Effect of cationic surfactants adsorption on local and terminal velocities of bubbles", SIS 2008 "Surfactant in solutions" international conference, Berlin, Germany, August 17-22, 2008, (poster).

75. Cohen-Addad S., Höhler R., Krzan M., "Giant viscoelasticity of particle laden foams", 7th Liquid Matter Conference, 27 June- 1 July 2008, Lund, Sweden, (oral).

76. Krzan M., Zawala J., Malysa K., "Dynamic structure of adsorption layer over interface of bubble rising in protein solutions", SURUZ, 2007, SURUZ "Surfactants and Dispersed Systems in Theory and Practice", Książe k/Wałbrzycha, May 22-25, 2007, (poster).

77. Krzan M., Zawala J., MalysaK., "Influence of proteins (BSA and Lysozyme) on local velocities of rising bubbles", COST D43 Workshop Functional Interfaces - Theory and Experiment and SURUZ Workshop Surfactants and Dispersed, Cracow, Poland, 19 - 21 March, 2007, (poster).

78. Cohen-Addad S., Krzan M., Höhler R., Herzhaft B., „Rheology of particle laden foams", , International Workshop Bubble and Drop Interfaces, 25th-28th March 2007, Granada, Spain, (oral).

79. Krzan M., Zawala J., Malysa K., "Interrelations between development of a dynamic structure of the adsorption layer and local velocities of the rising bubble", Eufoam 2006 - 6th European Conference on Foams, Emulsions and Applications, July 02-06, 2006, Potsdam, Germany, (oral).

80. Krzan M., Cohen-Addad S., Höhler R., "Viscoelastic behaviour and stability of particle laden foams", Eufoam 2006 - 6th European Conference on Foams, Emulsions and Applications, July 02-06, 2006, Potsdam, Germany, (poster).

81. Cohen-Addad S., Höhler R., Krzan M., Marinic M., Herzhaft B., "Rigidity percolation in foamy sands", 2006 APS March Meeting, American Physical Society, March 13–17, 2006, Baltimore, MD, USA, (oral).

82. Cohen-Addad S., Höhler R., Krzan M., Marinic M., Herzhaft B., "Rigidity percolation in particle laden foams", 58th Annual Meeting of the Division of Fluid Dynamics, American Physical Society, November 20–22, 2005, Chicago, IL, USA, (oral).

83. Zawala J., Krzan M., Malysa K., "Influence of Surfactant on Initial Accelerations, Shape and Velocity Variations of the Detaching Bubbles", Cluster A Meeting Sieci SURUZ Poznań 2005, Poland, (oral).

84. Krzan M., Cohen-Addad S., Höhler R., „Rheology and stability of particle laden foams", XVIIth European Chemistry at Interfaces Conference, ECIC-XVII, 27 June -

1 July, 2005, Department of Chemical Engineering, Loughborough University, England, (oral).

85. Malysa K., Krzan M., Krasowska M., „Dynamic effects in formation of the disspersed systems", XVIIth European Chemistry at Interfaces Conference, ECIC-XVII, 27 June-1 July, 2005, Department of Chemical Engineering, Loughborough University, England (oral).

86. Zawala J., Krzan M., Malysa K., „Influence of the molecular structure of surfactant on bubble local velocities", XVIIth European Chemistry at Interfaces Conference, ECIC-XVII, 27 June-1 July, 2005, Department of Chemical Engineering, Loughborough University, England (poster).

87. Krzan M., Zawala J., Krasowska M., Malysa K., „Bubble motion as method of detection of organic contaminations in water", The Fourth International Conference „Oils and Environment" AUZO 2005, 20-23 June, University of Technology, Gdansk, Poland (oral).

88. Zawala J., Krzan M., Krasowska M., Malysa K., „Inducement of dynamic adsorption structures at liquid/gas interface; acceleration and velocity of the detaching bubble", konferencja naukowa „Surfaktanty i Układy Zdyspergowane", Polanica Zdrój, 31 Mai – 4 June 2005 (poster).

89. Krzan M., Lunkenheimer K., Malysa K., "Effect of surfactant's polar group on the local and terminal velocities of bubbles", Eurofoam 2004, 5rd Euroconference on Foams, Emulsions and Applications, June 2004, Paris, French (oral).

90. Krzan M., Malysa K., Lunkenheimer K., "Effect of surfactant adsorption on the profiles of local velocities of bubbles detaching from capillary", B&D2004, International Workshop Bubble and Drop Interfaces, April 2004, Genova, Italy; Book of Abstracts D03 (oral).

91. Krasowska M., Krzan M., Lunkenheimer K., Małysa K., „Bubble collisions with various interfaces in water and α-terpineol solutions", B&D2004, International Workshop Bubble and Drop Interfaces, April 2004, Genova, Italy; Book of Abstracts D09 (oral).

92. Krasowska M., Krzan M., Małysa K., „Time-scale of formation of Three-Phase Contact: Gas-Liquid-Solid", Non-Equilibrium Colloidal Phenomena 2004, An International Symposium on Non-equilibrium Processes in Colloid and Bioparticle Systems, Cracow Research Centre of Molecular Catalysis and Soft Matter Chemistry at the Institute of Catalysis and Surface Chemistry, Polish Academy of Sciences and the Hungarian Academy of Sciences, Cracow, Poland, May 18-22, 2004, Book of Abstracts, p. 28 (oral).

93. M. Krasowska, M. Krzan, K. Malysa, „Frother Inducement of the Bubble Aattachment to Hydrophobic Solid Surface", COM 2004 – Materials: The Future of Manufacturing in a Sustainable Environment, August 22-25, 2004, Hamilton, Ontario, Canada, paper 22.3, p. 122 (oral).

94. M. Krasowska, M. Krzan, K. Malysa, „Influence of n-pentanol and alpha–terpineol adsorption on bubble rising velocity and collisions with interfaces", CHISA 2004 – 16th International Congress of Chemical and Process Engineering, 22-26 August 2004, Prague, Czech Republic (oral).

95. M. Krzan, K. Lunkenheimer, K. Małysa, „Wpływ stopnia pokrycia adsorpcyjnego na profile prędkości lokalnych baniek", XLVII Zjazd PTChem. i SITPChem., Wrocław 12-17.IX. 2004, Materiały Zjazdowe, Tom III, p. 1304 (K002) (oral).

96. M. Krasowska, M. Krzan, K. Małysa, „Odbicia i deformacje kształtu bańki w trakcie jej kolizji z powierzchniami międzyfazowymi ciecz/gaz i ciecz/ciało stałe", XLVII

Zjazd PTChem. i SITPChem., Wrocław 12-17.IX. 2004, Materiały Zjazdowe, Tom III, p. 1306 (K003) (oral).

97. Malysa K., Krzan M., Lunkenheimer K., "Bubble Arrival at Solution Surface – Rapid Shape Pulsation and Bouncing", 11th International Conference on Surface and Colloid Science, September 15-19, 2003, Foz do Iguacu, Brasil, Book of Abstracts, p. 148, (oral).

98. Krasowska M., Krzan M., Małysa K., „Bubble bouncing and shape pulsation in n-pentanol and α-terpineol at liquid/solid interfaces", XLVI Zjazd PTChem i SITPChem, Lublin, 15-18 września 2003, Materiały Zjazdowe, vol. II, p. 715, (oral).

99. Krzan M., Małysa K. "Effect of n-alkanol adsorption on profiles of bubble local velocities" conference „Surfaktanty i Układy Zdyspergowane" SURUZ 2003, Polanica Zdrój, May 2003, Poland (poster).

100. Krasowska M., Krzan M., Lunkenheimer K., Małysa K., "Influence of n-pentanol concentration on the bubble pulsation and bouncing" conference „Surfaktanty i Układy Zdyspergowane" SURUZ 2003, Polanica Zdrój 2003, May 20-23, Poland, (oral).

101. Malysa K., Krzan M., Lunkenheimer K., "Influence of Surfactant on Bubble Shape Pulsation and Bouncing from Liquid/gas Interface Prior to Foam Film Formation", XVI European Chemistry at Interfaces Conference (ECIC), May 14-18, 2003, Vladimir, Russia, Book of Abstracts, p. 31, (oral).

102. Pietraszek A., Krzan M., Najbar M., „NO reduction over oxidized Ni – Cr steel and Pt(Rh)/Al_2O_3", Jumelage - Matériaux Carbonés et Catalytiques pour L'Environnement, Zakopane, August 2002, Poland, (oral).

103. Pietraszek A., Krzan M., Najbar M., „NO reduction by methane over oxidized Ni-Cr steel and Pt(Rh)/Al_2O_3", 7th Seminar on Catalytic DENOX, Zakopane, 13-15.IX.2002, (oral).

104. Krzan M., Małysa K., "Influence of Surface Active Substance on Acceleration and Velocity of the Rising Bubbles", XLV Zjazd PTChem i SITPChem, Kraków, September 2002, Poland; Materiały Zjazdowe, vol. 1, p. 389 (poster).

105. Krzan M., Małysa K., „Effect of α-terpineol and n-pentanol adsorption on the bubble rising velocity, pulsation and bouncing", Int. Symposium on Electrokinetic Phenomena ELKIN'02, Kraków, August 2002, Poland; Book of Abstracts, p. 117 (poster).

106. Krzan M., Małysa K., „Dynamics of Foam Formation – Bubble Pulsation prior to the Formation", Eurofoam 2002, The Fourth European Conference on Foams, Emulsions and Applications, Manchester, 7-10 July 2002, England., Book of Abstracts, P23 (poster).

107. Krzan M., Małysa K., „Determination of minimum adsorption coverage's immobilizing interface of bubbles rising in n-alkanol solutions", Eurofoam 2002, The Fourth European Conference on Foams, Emulsions and Applications, Manchester, July 2002, England; Book of Abstracts, P01 (poster).

108. Malysa K., Krzan M., Lunkenheimer K., „Rapid pulsation and bouncing of a bubble arriving at the solution surface", XIIth International Conference on Surface Forces, June 29-July 5, 2002, Moscow, Rusia, (oral).

109. Krzan M., Małysa K., „Effect of surfactant adsorption on local and terminal velocities of bubbles" 14th SIS Surfactant in solutions symposium, Barcelona, June 2002, Spain; Book of Abstracts, p. 122 (oral).

110. Krzan M., Małysa K., (2001) „Profile prędkości lokalnych baniek w roztworach alkoholi alifatycznych (C_4, C_6, C_9)", XLIV Zjazd PTChem i SITPChem, Katowice, September 2001, Poland; Book of Abstracts S7-K3 (oral).

111. Krzan M., Małysa K., (2001) „Influence of n-butanol and n-nonanol concentration on profiles of the local velocities of bubbles", Theoretical and experimental studies of interfacial phenomena and their technological applications", SCSEIO, September 2001, Odessa, Ukraine; Book of Abstracts, p. 117 (poster).

112. Krzan M., Małysa K., „Prędkości lokalne oraz rozmiar i kształt baniek w roztworach heksanolu-1 i nonanolu-1", „Surfaktanty i układy zdyspergowane w teorii i praktyce" -Krajowa konferencja naukowa połączona z jubileuszem 45-lecia pracy naukowej i 70-lecia urodzin Pana Profesora Bogdana Burczyka, Wrocław, Poland, October 2000, (poster).

113. Krzan M., Małysa K., „Variations of local velocities, dimensions and shape in hexanol-1 solutions", Eurofoam 2000, 3rd Euroconference on Foams, Emulsions and Applications, June 2000, Delft, The Netherlands; Book of Abstracts, p. 33 (poster).

114. Jachimska B., Warszynski P., Krzan M., Małysa K., (1998) „Influence of kinetic effects on lifetime of single bubbles at n-butanol and n-hexanol solution surface", 1st Nordic-Baltic Meeting of Surface and Colloid Science, Vilnius, 1998, August 21-25, Lithuania, Book of Abstracts poster