

4:00 p.m., Monday, 17th April

1st POSTER SESSION

Prof. Andrzej Krasiński, Wojciech Nowak, DSc. Eng, Nina Hutnik, PhD Eng, Katarzyna Jabłczyńska, PhD Eng, Michał Wojasiński, PhD Eng.

1 Aleksandra Bandzerewicz (4:00 p.m. – 4:05 p.m.)

Chitosan-based modifications of porous polylactide bone substitutes

2 Andrzej Cecuga (4:05 p.m. – 4:10 p.m.)

Stability of nanobubbles in water solutions of chosen surfactants

3 Joanna Howis (4:10 p.m. – 4:15 p.m.)

Synthesis and performance properties study of poly(1,2-ethanediol citrate) for bioengineering

4 Patrycja Kwiek (4:15 p.m. – 4:20 p.m.)

Influence of colour space model of an image in melanoma detection

5 Michał Markowski (4:20 p.m. – 4:25 p.m.)

Application of rocking-motion disposable bioreactor for proliferation of *Nicotiana tabacum* BY-2 cells expressing recombinant proteins

6 Dorota Tomczak (4:25 p.m. – 4:30 p.m.)

Novel chemical modification in bio-based polymer materials

7 Dorota Tomczak (4:30 p.m. – 4:35 p.m.)

Innovate photocurable resin-based composites for biomedical applications

8 Szymon Adam Lekki-Porębski (4:35 p.m. – 4:40 p.m.)

A Modulation of response in a lymphoblastic leukaemia on zinc oxide nanoparticles through a polyethylene glycol coating

9 Mateusz Młynek (4:40 p.m. – 4:45 p.m.)

Bio-based polysaccharide nanoparticles as a promising carriers for hydrophobic drugs delivery

10 Michał Szarek (4:45 p.m. – 4:50 p.m.)

Stability of the liquid crystalline nematic ferroelectric phase in binary mixtures

11 Zofia Szewczyk (4:50 p.m. – 4:55 p.m.)

Fuel cells running on recirculated formic acid

12 Kornel Prystupiak (4:55 p.m. – 5:00 p.m.)

Remodeling of calcium phosphate to hydroxyapatite in a batch reactor

13 Daria Zielińska (5:00 p.m. – 5:05 p.m.)

Gemini ionic liquids as new modifiers for renewable fillers

14 Daria Zielińska (5:05 p.m. – 5:10 p.m.)

Polymer nanocomposites based on polysaccharide/inorganic oxide systems

15 Julia Chaładej (5:10 p.m. – 5:15 p.m.)

Experimental study and CFD modeling of fragmentation of titanium dioxide water suspension in a stirred ball mill

16 Krzysztof Kolankowski (5:15 p.m. – 5:20 p.m.)

Optimization of the synthesis of cross-linkable poly(glycerol itaconate) for tissue engineering purposes

17 Bartosz Kłosiewicz (5:20 p.m. – 5:25 p.m.)

Design and prototype of an automatic reagent dosing device for use in a wave-mixed single-use bioreactor system

18 Anna Łętocha (5:25 p.m. – 5:30 p.m.)

Optimization of obtaining alginate microparticles