

## Poster session

Tuesday, 8<sup>th</sup> April 2025, 1:30 p.m. - 4:30 p.m.

1	Gabija	Aleksaitytė	The effect of recycle amount on the properties of organic fertilizers
2	Szymon	Bober	The intensification of taxanes production in <i>Taxus x media</i> transgenic roots using biomaterials made of TEOS and TMCS aerogels and chitosan
3	Małgorzata	Kowalewska	Benzylidene fluorescent probes: a novel approach for albumin detection with applications in health and industry
4	Małgorzata	Kowalewska	Evaluating the mutagenic risk of benzylidene derivatives through Ames test: ensuring safe integration in biosensor development
5	Karina	Kuzborskaja	Fertilizers with organic additives
6	Magdalena	Miętus	Itaconate-based polymers with diols as promising bio-inks for 3D Printing in tissue engineering
7	Mateusz	Sączek	Application of the optical method to quantify the mixing process in a single-use wave-assisted bioreactor
8	Karolina	Tomczuk	The influence of cell disruption technique on the efficiency of GFP isolation from BY-2 cells
9	Weronika	Wańczyk	Increasing the packing of bimodal zirconium oxide nanoparticles in a photocurable resin for precise 3D printing of bio-inspired ceramic bone scaffolds
10	Dariusz	Węsek	Study of Nicotiana tabacum BY-2 cell suspension rheology cultured in a rocking bioreactor
11	Weronika	Wielgus	The new iridium(III) complexes as an innovative theranostic photosensitizers for photodynamic therapy (PDT) and sensors for precise imaging at a single cell level
12	Weronika	Wańczyk	The influence of various dispersants in photocurable resin formulations with bimodal nanoparticles on 3D printing performance and precision
13	Krzysztof	Czyżewski	Research on the synthesis of rhenium oxides on different catalytic supports and their use as catalysts in a DBD cold plasma reactor

14	Jagoda	Dyderska	Synthesis and Stability Assessment of Rhenium Oxide for Catalytic Applications
15	Zuzanna	Kupniewska	The influence of hydrothermal synthesis conditions on zinc oxide morphology and photocatalytic properties
16	Dominik	Müller	Properties of antibacterial surfaces
17	Jakub	Pietraszewski	Investigations into the influence of the type of 3D printers available on the market and their parameters on the resolution and shrinkage of the obtained printouts
18	Kacper	Piskorz	Research on cytotoxicity of photosensitisers used as components of photoinitiating systemes dedicated to photopolymerisation processes
19	Kacper	Piskorz	Multicomponent photoinitiating systems containing polycyclic aromatic hydrocarbons (PAHs) for photopolymerization processes, and their application in 3D printing
20	Kamil	Pulit	Impact of nanofillers on the kinetics of the photopolymerization process and the printing resolution of 3D photopolymerizable polymer resins with the study of the properties of nanocomposites produced using 3D-VAT printing technology.
21	Katarzyna	Starzak	Nature as a source of raw materials for the synthesis of new chromophores for use as photosensitizers in photoinitiating systems dedicated to 3D bioprinting applications
22	Weronika	Wielgus	Emerging photosensitizers for iodonium salt as high-performance component for photoinitiating systems in photopolymerization processes for 3D printing
23	Aleksandra	Zalewska	Electrochemical properties of 3D printed potenctiometric sensor platforms
24	Martyna	Drużyńska	Nitrate-selective potentiometric sensor based on carbon nanomaterials – characteristics
25	Kinga Imola	Hangya	Synthesis of a metal-free photocatalyst and its applications in C-C bond formation reactions
26	Dominik	Müller	Assay of B2 Vitamin Content in Diary Products Using Fluorescence Spectroscopy Method
27	Patryk	Klemczak	Low-temperature Electrolyzers for Simultaneous Hydrgoen Generation and Organic Oxidation.

28	Temesgen	Amibo	Impact of selected process parameters on the characteristics of calcium carbonate-rich powder produced during the direct mineral carbonation of gypsum
29	Jan	Ciołkowski	Investigation of the heavy metals sorption properties of porous materials based on coffee grounds and agar
30	Maciej	Gruberski	Carbon dioxide bubbles removal in direct formic acid fuel cell
31	Izabela	Kazimierczak	Generation of budesonide aerosol in three commercial vibrating mesh nebulizers
32	Małgorzata	Purta	Separation of oil and water aerosols using plasma modified fiberglass coalescing filters
33	Aleksandra	Sawczuk	Impact of the valved holding chamber (VHC) on the inhalation efficiency of a steroid drug atomized in vibrating mesh nebulizers