

Assoc. Prof. Dr. Malgorzata Zimniewska works at the Institute of Natural Fibres & Medicinal Plants National Research Institute. She graduated from Textile Faculty at the Technical University of Lodz. Her PhD Thesis was completed with honours at the Technical University of Łodz in 2006 and habilitation in 2016. She received a title of Assoc. Prof. of Institute of Natural Fibres & Medicinal Plants in 2011. She was a director of the Institute of Natural Fibres & Medicinal Plants 2018 – 2021 and was working as Head of Department of Innovative Textile Technologies from 2004 and Head of Laboratory of Physiological Influence of Textiles on Human Body from 2000 at the Institute. Her main area of interest is development of natural lignocellulosic fiber processing, technologies and evaluation, to meet the specific needs of different fiber applications. M. Zimniewska is focused on new approach circular bio-economy particularly in terms of added-value-bio-materials development and zero waste strategy.

M. Zimniewska is a member of many international and national bodies, the latest the most important functions are listed below:

- Member of the Scientific Committee of the Circular Bio-Based Europe Joint Undertaking (CBE JU) under Horizon Europe, Brussels, from 2022
- World President of The Textile Institute, from 2021, Manchester, UK,
- Member of Advisory Council of BIOEAST Board - Central and Eastern European initiative for knowledge-based Agriculture, Aquaculture and Forestry in the Bioeconomy, from 2021
- Vice Chair of Quality Control, Horizon Europe, European Innovation Council Pathfinder, HORIZON-EIC-2021-PATHFINDEROPEN and Future and Emerging Technologies, European Commission, Brussels, 2018-2022
- Member of Scientific Council, Working Group on Fibres and Textile, EIHA European Industrial Hemp Association, from 2020

Malgorzata Zimniewska has led many international, European and national projects. Currently she leads of Polish tasks of the H2020-NMBP-TO-IND-2018-2020, project INN-PRESSME, “Open INNnovation ecosystem for sustainable Plant-based nano-enabled biomateRIals deploymEnt for packaging, tranSPort and conSuMEr goods”, 2020-2025.

She worked for BIOEAST Macro-Regional BIOECONOMY Foresight, under H2020: Advancing Sustainable Circular Bioeconomy in Central and Eastern European countries, 2020 – 2021. She has authored and co-authored more than 180 articles published in research journals, conference proceedings and book chapters. She is a co-author of six patents, which were awarded with 6 gold, one silver and one bronze medals at international innovation exhibitions and of President of Polish Chamber of Commerce Award KIG INNOVATICA.

She was awarded by President of Poland with Silver Cross of Merit in 2010 and Knight's Cross of the Order of Polonia Restituta in 2021.

List of 5 selected scientific articles published recently:

1. M. Zimniewska, H. Witmanowski, A. Kicinska-Jakubowska, A. Jundzill, E. Kwiatkowska, B. Romanowska, L. B Malinowski, Assessment of the possibility of surgical masks re-use after a sterilization process in the pandemic condition of COVID-19, *Textile Research Journal*, First Published September 7, 2021, <https://doi.org/10.1177/00405175211042889>
2. Zimniewska, M.; Pawlaczyk, M.; Romanowska, B.; Gryszczyńska, A.; Kwiatkowska, E.; Przybylska, P. Bioactive Hemp Clothing Modified with Cannabidiol (CBD) Cannabis sativa L. Extract. *Materials* 2021, 14, 6031. <https://doi.org/10.3390/ma14206031> Published: 13 October 2021
3. L. G. Košir, G. Sakellaris, J. Popp, M. Zimniewska, R. Värnik, Sustainable Bioeconomies towards 2050 - BIOEAST Foresight Exercise, Monography ISBN 978-615-5673-64-1, 2021,
4. Zimniewska M, Różańska W, Kicińska-Jakubowska A, et al. Influence of the hydrodynamic degumming process on the quality of decorticated flax fibers, Volume 92, Issue 17-18, *Textile Research Journal*, 2022, doi:10.1177/00405175211056982,
5. M. Zimniewska, Hemp Fibre Properties and Processing Target Textile: A Review, *Materials*, 2022, 15(5), 1901; <https://doi.org/10.3390/ma15051901>, Published: 3 March 2022,