

**dr Izabela Betlej**

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**EDUCATION**

Occupational titles and science degrees	Date (year)	Institution
Master in biology, specialization in biochemistry	<b>2004</b>	Faculty of Biology and Earth Sciences Maria Curie-Skłodowska University in Lublin
Doctor of forest sciences in field of wood technology	<b>2011</b>	Faculty of Wood Technology Warsaw University of Life Sciences -SGGW

**SELECTED CURRENT FUNCTIONS**

- Coordinator from the Faculty of Wood Technology in the implementation of the project POWR.03.05.00-00-Z033/17 pt. „Sukces z natury – kompleksowy program podniesienia jakości zarządzania procesem kształcenia i jakości nauczania Szkoły Głównej Gospodarstwa Wiejskiego w Warszawie”;
- Coordinator from the Faculty of Wood Technology in the implementation of the project POWR.03.05.00-00ZR14/18 pt. „Zintegrowany Program Rozwoju SGGW na rzecz Rozwoju Regionalnego”;
- Coordinator for the Quality of Education;
- Member of the Senate History and Decorations Committee.

**DIDACTIC**

- the lectures: wood protection and preservation, wood biodegradation, biological tests in the furniture industry

**SCIENCE**

- biotechnological aspects of wood industry development;
- biocides in the protection of wood;
- bacterial cellulose and its use in wood industry.

**Cooperation:** Scientific centers, e.g. Cracow University of Economics, Faculty of Commodity Science, University of Life Sciences in Lublin,

**RESEARCH OFFER**

- biodegradation testing of technical materials,
- microbiological tests (pollution assessment, biocompliance assessment, antiseptic properties of materials and products);
- developing methods for assessing the efficacy of biocidal products..

**ELECTED SCIENCE PUBLICATIONS::**

**ORCID:** 0000-0001-6867-0383

- Betlej Izabela, Zakaria Sarani, Krajewski Krzysztof [i in.], *Bacterial Cellulose - Properties and Its Potential Application (Bakteria Selulosa - Sifat dan Keupayaan Aplikasi)* Sains Malaysiana, 2021, vol. 50, nr 2, s.493-505. DOI:10.17576/jsm-2021-5002-20
- Betlej Izabela, Boruszewski Piotr, Dubis Damian [i in.], *Influence of SCOBY Microorganisms' Cultivation Conditions on the Synthesis Efficiency and Selected Qualities of Bacterial Cellulose Bioresources*, 2021, vol. 16, nr 3, s.6147-6158. DOI:10.15376/biores.16.3.6147-6158
- Betlej Izabela, Salerno-Kochan Renata, Jankowska Agnieszka [i in.], *The Impact of the Mechanical Modification of Bacterial Cellulose Films on Selected Quality Parameters Coatings*, 2021, vol. 11, nr 11, s.1-12, Numer artykułu:1275. DOI:10.3390/coatings11111275
- Betlej Izabela, Salerno-Kochan Renata, Krajewski Krzysztof [i in.], *The Influence of Culture Medium Components on the Physical and Mechanical Properties of Cellulose Synthesized by Kombucha Microorganisms Bioresources*, 2020, vol. 15, nr 2, s.3125-3135. DOI:10.15376/biores.15.2.3125-3135
- Betlej Izabela, Andres Bogusław, Krajewski Krzysztof, *Evaluation of Fungicidal Effects of Post-culture Medium of Selected Mold Fungi and Bacteria in Relation to Basidiomycetes Fungi, Causing Wood Destruction Bioresources*, 2020, vol. 15, nr 2, s.2471-2482. DOI:10.15376/biores.15.2.2471-2482

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<https://bw.sggw.edu.pl/info.seam?id=WULSf0b30bcde3164827be86e1d062763222&affil=&lang=pl>

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