Ph.D. Jan Szadkowski, Eng.

CONTAT

Department of Wood Science and Wood Preservation
Institute of Wood Sciences and Furniture
Warsaw University of Life Sciences - SGGW
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EDUCATION

Occupational titles and science degrees	Date (year)	Institution
Engineer of Wood technology	2009	Faculty of Wood Technology Warsaw University of Life Sciences - SGGW
Master of Wood technology	2011	
Doctor of forest sciences	2019	

PROFESIONAL COMPETENCE

Position	Year	Place of employment
Customer Advisor	2013-2015	Sklep Przemysłowy Kazimierz Przybysiak
Customer Advisor	2015-2017	F.H.U MTR Adam Szadkowski
Grant work CROPTECH BIOSTRATEG2/298241/10/NCBR/2016	2016-2018	Department of Wood Science and Wood Preservation Faculty of Wood Technology Warsaw University of Life Sciences - SGGW
Tutor	2018-2019	Department of Wood Science and Wood Preservation Faculty of Wood Technology Warsaw University of Life Sciences - SGGW
Tutor	2019-2020	Department of Wood Science and Wood Preservation Institute of Wood Sciences and Furniture Warsaw University of Life Sciences - SGGW
Assistant professor	2020-	Department of Wood Science and Wood Preservation Institute of Wood Sciences and Furniture Warsaw University of Life Sciences - SGGW

DIDACTIC

10.2014-	Conducting studies at the Faculty of Wood Technology in the field of Plastics and Fabrics in the Furniture Industry
09.2013–	Conducting studies at the Faculty of Wood Technology in the field of inorganic chemistry
09.2018–	Conducting studies at the Faculty of Wood Technology in the field of organic chemistry

SCIENCE

Science research:
- determination of chemical composition of lignocellulosic biomass;
- treatment of lignocellulosic biomass towards biofuels of II and III generation;
- pizolytic analysis of lignocellulosic biomass ;

- testing of mattals content in wood biomass by means of X-ray spectometry;

Research projects:

- -Dendro-SPEC „“Spectroscopic methods for rapid phenotyping of trees reflecting their Ecological resilience” number 2021/43/I/NZ9/02809 financed by the National Science Center – implemented in 2023- now)
- - Pasza Pro "Technologies of using by-products of agricultural crop processing" POIR.01.01.01-00-0224/19-00 Warsaw University of Life Sciences (V. 2020- now)
- - CROPTECH "Intelligent farming systems for wheat, maize and poplar for optimised production of biomass, biofuels and modified wood". - research project in NCBiR Biostrateg programme (2016-2019).
- - PBS1/A8/16/2013 "Use of poplar lines with increased biomass growth potential and improved chemical composition of wood in paper and biofuel production technology".
- - Research task within the internal competition mode, 505-10-062600-M00393-99, "Determining the possibility of obtaining and verifying the activity of cellulolytic and lignolytic enzymes from selected fungi species", SGGW internal competition mode, (2015-2016).
- - Research task within the internal competition mode, 505-10-062600-M00394-99, 'Construction of a research station for steam and supercritical carbon dioxide explosion and analysis of the results of porous wood structure change caused by steam and supercritical CO2 explosion', SGGW internal competition mode (2015-2016).

Courses and training

06-09. 2019 Academic traineeship under the SGGW's own scholarship fund at the Technical University of Zwoleń in Slovakia

06. 2018 ELLS Training Course "Navigating Brussels, taking place June 25 27 in Brussels".

09. 2017 "Scientific training" training at the Technical University of Exemption in Slovakia
04-10. 2011 Internship as a construction foreman at "Budostol" company

01. 2009 Internal auditor of the Quality Management System according to PN-En 9001:2001 Standard Organizer: Germanischer Lloyd Industrial Polska Sp. z O.O.

SELECTED SCIENCE PUBLICATION:
ORCID: **0000-0002-3884-7392**

Publications reviewed from IF (13)

Antczak A., **Szadkowski J.**, Szadkowska D., Zawadzki J., Assessment of the effectiveness of liquid hot water and steam explosion pretreatments of fast-growing poplar (Populus trichocarpa) wood, Wood Science and Technology, 2022, vol. 56, 87-109 (IF: 2,506)

Antczak A., **Szadkowski J.**, Szadkowska D., Zawadzki J., Assessment of the effectiveness of liquid hot water and steam explosion pretreatments of fast-growing poplar (Populus trichocarpa) wood, Wood Science and Technology, 2022, vol. 56, 87-109 (IF: 2,506)

Gałązka A., **Szadkowski J.,** “Enzymatic hydrolysis of fast-growing poplar wood after pretreatment by steam explosion” Cellulose Chemistry and Technology, 2021, vol. 55 nr. 5-6, s. 638-647 (IF. 1,467)

Szadkowski J., Radomski A., Antczak A., Szadkowska D., Lewandowska A., Marchwicka M., Kupczyk A., " The yield of model hydrolysis and fermentation in the technology for production of bioethanol from poplar wood (*Populus sp.)* (IF 0,399)

Lewandowska A., Radomski A., Marchwicka M., Szadkowska D., Archanowicz E.I., **Szadkowski J**., Gawron J., Zielenkiewicz T., Kłosińska T., Zawadzki J., 2015: Badanie produktów hydrolizy enzymatycznej masy celulozowej pozyskanej z drewna topoli (*Populus alba* L.), Przemysł Chemiczny nr 7, tom 94, s. 1134-1137, IF 0,399

Marchwicka M., Radomski A., Antczak A., **Szadkowski J**., Lewandowska A., Szadkowska D., Zielenkiewicz T., Drożdżek M., Archanowicz E.I., 2015: Wpływ obróbki wstępnej biomasy z topoli (*Populus* sp.) na wydajność hydrolizy enzymatycznej, Przemysł chemiczny nr 5, tom 94, s. 814-817, IF 0,399

Szadkowska D., Radomski A., Marchwicka M., Lewandowska A., **Szadkowski J**., Zawadzki J., Drożdżek M., Auriga R. 2015: Suitability of biomass from waste wood composites for liquid biofuel production. Przemysł Chemiczny 94 (10), 1700-1702, IF 0.399,

Zielenkiewicz T., **Szadkowski J**., Drożdżek M., Zielenkiewicz A., Kłosińska T., Antczak A., Zawadzki J., Gawron J., 2016:Application Of X-RAY Fluorescence Technique For Determination Of Heavy Metals Uptake By Different Species Of Poplar, Drewno vol. 59 No. 197, s. 113- 126, IF 0.438

Reviewed publications without IF (18)

Radomski A., Zawadzki J., Drożdżek M., Szadkowski J., ,,Non-degrading nitration of pinewood cellulose" Annals of Warsaw University of Life Sciences-SGGW Foresty and Wood Technology 2010, 72, 213-219, IF=0

Szadkowska D., Radomski A., Sapieja E., **Szadkowski J.**, Kupczyk A., Kęszycka W., „Influence of extraction conditions on the yield of optical brightener determination in pulp", Annals of Warsaw University of Life Sciences-SGGW Foresty and Wood Technology 2012, 80, 123-128, IF=0

Szadkowska D., Gawryołek M., Archanowicz E., **Szadkowski J**., Marchwicka M., Rębkowski B., 2014: Wpływ furfuralu na hydrolizę enzymatyczną holocelulozy pozyskanej z drewna topoli (*Populus* sp.), Episteme czasopimso naukowo-kulturalne, Kraków T 2, nr. 22, 377-383, IF=0

Lewandowska A., Marchwicka M., Szadkowska D., **Szadkowski J**., Radomski A., Zawadzki J., 2015: Porównanie zawartości składników strukturalnych w drewnie topoli oraz płycie wiórowej z drewna topoli, EPISTEME 26/2015, T. I s.111–118

Marchwicka M., Radomski A., Antczak A., Lewandowska A., Szadkowska D., **Szadkowski J**., 2015: Wpływ dodatku azydku sodu na hydrolizę enzymatyczną holocelulozy z użyciem enzymu DYADIC XYLANASE 2XP CONC, EPISTEME 26/2015, t. I s.307–312

Szadkowska D., **Szadkowski J**., Lewandowska A., Auriga R., Marchwicka M., Drożdżek M., Wpływ sposobu składowania wiórów sosny zwyczajnej na składniki strukturalne drewna, EPISTEME 26/2015, t. I s.367–374

More information on my websites:
https://www.researchgate.net/profile/jan_szadkowski
http://scholar.google.com/citations
https://nauka-polska.pl/#/profile/

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