CURRICULUM VITAE

Name and surname:	`Michał Drożdżek
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Phone number:	(+48) 22 593 86 44
Room:	2/48A, building 34
Position	Assistant Professor

Adress:

Work adress:	Warsaw University of Life Sciences (WULS) Institute of Wood Science and Furniture 159 Nowoursynowska St., 02-787 Warsaw

EDUCATION

2011	**PhD degree in forestry and wood technology,** Doctor Engineer of forestry sciences dissertation: Study of cellulose separated by selected laboratory methods from pinewood (*Pinus sylvestris* L.) and poplar wood (*Populus tremula* L.).
2007-2011	PhD studies, Warsaw University of Life Sciences, Faculty of Wood Technology
2007	**Master of Science** Warsaw University of Life Sciences, Faculty of Wood Technology, specialisation: mechanical wood technology, dissertation: Investigations of mechanical degradation cellulose *(Pinus sylvestris* L.**)**

COURSES AND TRAINING

2007	Internal auditor of the quality management system in accordance with the requirements of ISO 9001:2000.

WORK EXPERINECE

2012-2019 Assistant professor – responsibilities: scientific work, administrative work, teaching - physical properties, mechanical properties, sawmilling, wood chemistry.

Warsaw University of Life Sciences (WULS), Faculty of Wood Technology, Department of Wood Science and Wood Preservation

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2019-now Assistant professor – responsibilities: scientific work, administrative work, teaching - physical properties, mechanical properties, sawmilling, wood chemistry.

Warsaw University of Life Sciences (WULS), Institute of Wood Science and Furniture, Department of Wood Science and Wood Preservation

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SCIENTIFIC INTERESTS

- Chemical analysis of wood components in contemporary and archaeological wood
- Wood modification
- Mechanical and physical properties of wood
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LIST OF ACHIEVEMENTS AND SCIENTIFIC WORK

PUBLICATION (chosen – last three year)

1) Ślesak I., Szechyńska-Hebda M., Fedak H., Sidoruk N., Dąbrowska-Bronk J., Witoń D., Rusaczonek A., Antczak A., **Drożdżek M.**, Karpińska B., Karpiński S., „PHYTOALEXIN DEFICIENT 4 affects reactive oxygen species metabolism, cell wall and wood properties in hybrid aspen (Populus tremula L. × tremuloides)", Plant Cell and Environment 2015, 38, 1275-1284, DOI 10.1111/pce.12388.
2) Szadkowska D., Radomski A., Marchwicka M., Lewandowska A., Szadkowski J., Zawadzki J., **Drożdżek M.**, Auriga R. „Możliwość wykorzystania biomasy poużytkowych tworzyw drzewnych w technologii ciekłych biopaliw", Przemysł Chemiczny 2015, 94, nr 10, 1700-1702.
3) Marchwicka M., Radomski A., Antczak A., Szadkowski J., Lewandowska A., Szadkowska D., Zielenkiewicz T., **Drożdżek M.**, Archanowicz E. „Wpływ obróbki wstępnej biomasy z topoli (Populus sp.) na wydajność hydrolizy enzymatycznej", Przemysł Chemiczny 2015, 94, nr 5, 814-817
4) **Drożdżek M.**, Zawadzki J., Zielenkiewicz T., Kłosińska T., Gawron J., Gołofit T., Borysiak S. „The influence of method of cellulose isolation from wood on the degree and index of crystallinity", Wood Research 2015, 60(2), 255-262.
5) Krajewski A., Lisiecka E., **Drożdżek M.**, Witomski P., Wójcik A. "The susceptibility of neolithic waterlogged beech wood (Fagus sylvatica L.) to destruction by Reticulitermes lucifugus Rossi" Drewno, 2015, Vol. 58, nr 195, s. 59-68
6) Krutul D., Zielenkiewicz T., Zawadzki J., Radomski A., Antczak A., **Drożdżek M.**, Kłosińska T., Makowski T. „Non-metals accumulation in Scots pine (Pinus sylvestris L.) wood and bark affected with environmental pollution" Wood Research 2015, Vol. 60, nr 4, s. 655-662
7) Zawadzki J., Szadkowska D., Antczak A., Elbe P., Radomski A., **Drożdżek M.**, Zielenkiewicz T., Kłosińska T. „Wpływ furfuralu na aktywność enzymu podczas hydrolizy celulozy wyodrębnionej z drewna topoli (Populus sp.)" „Przemysł Chemiczny" 2015, vol. 94, nr 11, s. 1941-1944
8) Szadkowska D., Radomski A., Derewiaka D., Lewandowska A., **Drożdżek M.**, Zawadzki J., Pietrykowski M., Zielenkiewicz T. „Analiza chromatograficzna substancji ekstrakcyjnych pozyskanych z różnych odmian topoli jako potencjalnych inhibitorów hydrolizy enzymatycznej" Przemysł Chemiczny 2016, 95(11) 2179-2182.
9) Zielenkiewicz T., Szadkowski J., **Drożdżek M.**, Zielenkiewicz A., Kłosińska T., Antczak A., Zawadzki J., Gawron J. „Application of x-ray fluorescence technique for determination of heavy metals uptake by different species of poplar" Drewno 2016, Vol. 59, nr 197, s. 113-126
10) Lehto J., Louhelainen J., Pakkanen H., Malkavaara P., Kłosińska T., **Drożdżek M.**, Alén R. „Chemometric study on alkaline pre-treatments of wood chips prior to pulping" BIORESOURCES 2016, 11(2), str 4621-4632

LIST OF REASEARCH PROJECTS

2016-2019	“Intelligent systems for breeding and cultivation of wheat, maize and poplar for optimized biomass production, biofuels and modified wood”, The National Centre for Research and Development POLAND; Biostrateg 2 program BIOSTRATEG2/2982241/10/NCBR/2016; 20.5 mln PLN, researcher
2016-2017	Faculty grants for young scientist “Investigation of pressure and swelling of wood after treatment by heat”, research project manager
2013-2016	“Use of poplar with increased biomass growth potential and enhanced wood chemical composition in paper and biofuels production technology”, The National Centre for Research and Development POLAND; Applied research program **PBS1/A8/16/2013** 3,8 mln PLN, researcher