



**Marcin Zbieć PhD Eng.**

**CONTACT**

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**EDUCATION**

Occupational titles and science degrees	Date (year)	Institution
<b>MSc</b> of Wood technology	1997	Faculty of Wood Technology Warsaw University of Life Sciences - SGGW
<b>PhD</b> of forest sciences in field of wood technology	2004	
<b>PhD (habilitation)</b> of forest sciences in field of wood technology	2014	

**PROFESIONAL COMPETENCE**

Position	Date (year)	Institution
Tutor	1998	Department of Wood Machining Faculty of Wood Technology
Assistant professor	2004	Department of Wood Machining Faculty of Wood Technology
Assistant professor (with habilitation)	2014	Department of Technology and Entrepreneurship in Wood Industry

**CURRENT FUNCTIONS**

- Plenipotentiary for international cooperation INDM WULS - SGGW
- Expert in Association of Foresters and Wood Technologists

**DIDACTIC**

- the lectures: Woodworking machinery, CAD in furniture production, Industrial design

**SCIENCE**

Science research:

- wood technology in the scope of wood machining
- production technology

## Patents:

- Method for flat shaving-less peeling of wooden material. Sept 20, 2021 pl P.420312
- Device for measurement of deformation of the flat elements. Issued Nov 29, 2016 pl PL 223549 B1
- Reinforced wooden structural element. Issued Oct 7, 2016 pl 68613
- Working blade of tool for cutting wood or wood-based material. Issued Jan 13, 2013 pl P-386288
- Chipboard of reduced density. Issued Feb 14, 2012 pl W-119201
- Reinforced chipboard. Issued Feb 16, 2009 pl 64595

## Projects:

- Sibila 2021 -Present. Training Programme towards the Integration of Competitive Intelligence and Technology Watch Practices and Methods in SMEs from Manufacturing Sectors
- Allview 2020-Present. Alliance of Centres of Vocational Excellence in the Furniture and Wood sector
- Foebe 2020-Present. FOstering Entrepreneurship for the BioEconomy
- All Hands On Deck Dec 2019 – May 2022. European work heritage in shipwright for present and future
- Making 4.0 Nov 2018 – Oct 2022. Improving Malaysian HE Knowledge towards a Wood and Furniture Industry4.0
- Flame Project May 2018 – Feb 2022. Furniture and Language innovative integrated learning for sector Attractiveness and Mobility Enhancement
- IM FUTURE Nov 2016 – May 2019. Development of a joint study program between Higher Education and Vocational Education and training: International Master's Degree for the FURniTURE sector.
- Beyond 45 Nov 2018 Professional activation of people in age 45+
- Vetaal Nov 2013 – Nov 2015. Development of a training path for European Furniture Experts in Designing and Manufacturing of AAL Integrated Furniture for the Care and Support of Elderly and Disabled People

## SELECTED SCIENCE PUBLICATIONS FROM LAST 6 YEARS:

ORCID 0000-0002-2123-280X

- Di Sebalik Kekayaan Industri Getah Malaysia: Menganalisis Ranjau Pengusaha Kecil dari Sisi Kitaran Biojisim Azhar Nur Haffizah, Ghazali Arniza, Zbieć Marcin [et al.], Jurnal Pengguna Malaysia, 2022, vol. 2, no. 38, pp.54-74
- Rich Dad and Poor Dad: Biomass Circularity Science Empathising Rubber Smallholders Ghazali Arniza, Zbieć Marcin, Journal of Advanced Research in Applied Sciences and Engineering Technology, 2022, vol. 29, no. 1, pp.207-222. DOI:10.37934/araset.29.1.207222
- Wood Waste Management in Europe through the Lens of the Circular Bioeconomy Zbieć Marcin, Franc-Dąbrowska Justyna, Drejerska Nina, Energies, 2022, vol. 15, no. 12, pp.1-9, Article number:4352. DOI:10.3390/en15124352

- The Effects of Slicing Parameters on Surface Quality of European Beech Wood Jankowska Agnieszka, Kozakiewicz Paweł, Zbieć Marcin, *Drvna Industrija*, 2021, no. 72, pp.57-63. DOI:10.5552/drvind.2021.2013
- Lack of skills, knowledge and competences in Higher Education about Industry 4.0 in the manufacturing sector Romero Gázquez José Luis, Bueno Delgado María Victoria, Ortega Gras Juan José [et al.], *RIED-Revista Iberoamericana de Educacion a Distancia*, 2021, vol. 24, no. 1, pp.285-313. DOI:10.5944/ried.24.1.27548
- Analysing the Malaysian Higher Education Training Offer for Furniture Design and Woodworking Industry 4.0 as an Input Towards Joint Curriculum Validation Protocol
- Zainal Abidin Shahrman, Anuar Bahari Shahril, Ibrahim Azmi [et al.], *Asia Pacific Journal of Educators and Education*, 2021, vol. 36, no. 1, pp.1-24. DOI:10.21315/apjee2021.36.1.1
- Assessing the Awareness and Readiness of the Malaysian Furniture Industry for Industry 4.0 Ratnasingam Jegatheswaran, Yi Lee, Azim Amir [et al.], *Bioresources*, 2020, vol. 15, no. 3, pp.4866-4885. DOI:10.15376/biores.15.3.4866-4885
- The Challenges of Developing a Validation Protocol for the New Curriculum of Making 4.0: Between Malaysian and European Education Systems Zainal Abidin Shahrman, Ibrahim Azmi, Mohd Ghazali Aruan Efendy [et al.], *International Journal of Innovation, Creativity and Change*, 2020, vol. 14, no. 5, pp.767-786
- Influence of layered structure of composite timber floor boards on their hardness Borysiuk Piotr, Burawska-Kupniewska Izabela, Auriga Radosław [et al.], *Drvna Industrija*, 2019, vol. 70, no. 4, pp.399-406. DOI:10.5552/drvind.2019.1856
- Acoustic insulation properties of selected African wood species: padouk, bubinga, sapele Kozakiewicz Paweł, Laskowska Agnieszka, Brzozowski Robert [et al.], *Annals of Warsaw University of Life Sciences - SGGW Forestry and Wood Technology*, 2019, no. 107, pp.4-12. DOI:10.5604/01.3001.0013.7631
- The wettability and surface free energy of sawn, sliced and sanded european oak wood Jankowska Agnieszka, Zbieć Marcin, Kozakiewicz Paweł [et al.], *Maderas-Ciencia y Tecnologia*, 2018, vol. 20, no. 3, pp.443-454. DOI:10.4067/S0718-221X2018005031401
- Determination of the colour parameters of iroko wood subjected to artificial UV light irradiation Laskowska Agnieszka, Kozakiewicz Paweł, Zbieć Marcin, *Annals of Warsaw University of Life Sciences - SGGW Forestry and Wood Technology*, 2018, no. 102, pp.133-138
- Surface characteristics of Scots pine veneers produced with a peeling process in industrial conditions Laskowska Agnieszka, Kozakiewicz Paweł, Zbieć Marcin [et al.], *Bioresources*, 2018, vol. 13, no. 4, pp.8342-8357. DOI:10.15376/biores.13.4.8342-8357
- Water absorption process in the thermo-mechanically modified iroko and tauari wood Laskowska Agnieszka, Wszyńska Joanna, Zbieć Marcin, *Annals of Warsaw University of Life Sciences - SGGW Forestry and Wood Technology*, 2018, no. 104, pp.496-503
- Determination of bending strength and modulus of elasticity in the tangential and radial directions of yellow pine (*Pinus ponderosa* Douglas ex C. Lawson)
- Mańkowski Piotr, Laskowska Agnieszka, Zbieć Marcin, *Annals of Warsaw University of Life Sciences - SGGW Forestry and Wood Technology*, 2018, no. 102, pp.69-74
- Development of Lean Hybrid furniture production control system based on Glenday sieve, artificial neural networks and simulation modeling

- Rosienkiewicz Maria, Kowalski Arkadiusz, Helman Joanna [et al.], *Drvna Industrija*, 2018, vol. 69, no. 2, pp.163-173. DOI:10.5552/drind.2018.1747
- Design for AAL integrated furniture for the care and support of elderly and disabled people
- Beer Piotr, Oleńska Sylwia, Podobas Izabela [et al.], *Drvna Industrija*, 2017, vol. 68, no. 3, pp.185-193. DOI:10.5552/drind.2017.1642
- 23rd International Wood Machining Seminar :proceedings, 28.05-31.05.2017 - Warsaw - Poland
- Zbieć Marcin, Orłowski Kazimierz (eds.), 2017, Warsaw, Ogólnopolska Izba Gospodarcza Producentów Mebli, 453 p., ISBN 978-83948046-0-2
- Beer, P., Oleńska, S., Podobas, I., & Zbieć, M. (2017). Design for AAL integrated furniture for the care and support of elderly and disabled people. *Drvna Industrija*, 68(3), 185–193. <http://doi.org/10.5552/drind.2017.1642>

**More information:**

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