

Summary Specification of Scientific Accomplishments of a Thesis Supervisor Candidate
 maximum 2 pages - it should be a synthesis of the most important elements of accomplishments

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| Name and surname, degree, scientific title: | |
| Scientific discipline/s | Forestry |
| Professional development (scientific degrees and titles) chronologically | <p>Master in chemical technology (2000)</p> <p>Doctor of forest sciences in the field of wood technology (2007)</p> <p>Doctor (habilitation) of forest sciences in the field of wood technology (2013)</p> <p>Professorship in forestry (2019)</p> |
| Most important publications/patents from the last 3 years (max. 10) | <p>Mamiński M.Ł., Novak I., Mičušík M., Małolepszy A., Toczyłowska-Mamińska R., Discharge Plasma Treatment as an Efficient Tool for Improved Poly(lactide) adhesive–Wood Interactions, <i>Materials</i>, 2021, 14(13), 3672; https://doi.org/10.3390/ma14133672</p> <p>C.L. Lee, K.L. Chin, P.S. H'ng, U. Rashid, M. Mamiński, P.S. Khoo, Effect of pretreatment conditions on the chemical–structural characteristics of coconut and palm kernel shell: A potentially valuable precursor for eco-efficient activated carbon production, <i>Environmental Technology & Innovation</i> 21 (2021) 101309</p> <p>Mamiński M., Trzepałka A. Auriga R., H'ng P.S., Chin K.L., Physical and mechanical properties of thin high density fiberboard bonded with 1,3-dimethylol-4,5-dihydroxyethyleneurea (DMDHEU), <i>J. Adhesion</i>, 2020, 96(7), 679-690; DOI: 10.1080/00218464.2018.1500280</p> <p>Maminski M., Więclaw-Midor A., Parzuchowski P. The Effect of Silica-Filler on Polyurethane Adhesives Based on Renewable Resource for Wood Bonding, <i>Polymers</i> 2020, <i>Polymers</i> 2020, 12, 2177; doi:10.3390/polym12102177</p> <p>Parzuchowski Pawel, Mamiński M., Poly-(3-ethyl-3-hydroxymethyl)-oxetanes - Synthesis and Adhesive Interactions with Polar Substrates, <i>Polymers</i>, 2020,12(1), 222</p> <p>Kozakiewicz P., Jankowska A., Mamiński M., Marciszewska K., Czurzycki W., Tulik M., 2020: The wood of Scots Pine (<i>Pinus sylvestris</i> L.) from Post-Agricultural Lands has Suitable Properties for the Timber Industry. <i>Forests</i> 2020,11, 1033: doi:10.3390/f11101033</p> <p>Chin, KL (Chin, Kit Ling), Lee, CL (Lee, Chuan Li) ; H'ng, PS (H'ng, Paik San); Rashid, U (Rashid, Umer); Paridah, MT (Paridah, Md Tahir); Khoo, PS (Khoo, Pui San); Mamiński M., Refining Micropore Capacity of Activated Carbon Derived from Coconut Shell via Deashing Post-Treatment, <i>BioResources</i>, 2020, 15(4), 7749-7769, DOI: 10.15376/biores.15.4.7749-7769</p> |

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| | <p>Mamiński M., Parzuchowski P., Wawrzyńska E. Application of poly(hydroxyoxetanes), granted 16-12-2020; pat. no. 236050, Mamiński M., Parzuchowski P., Wawrzyńska E. Hot-melt adhesive for wood bonding, granted 22-01-2021; pat. no. 237550</p> |
| Experience in work with PhD students (defended dissertations, initiated dissertation procedures), chronologically | <p>1) 06.12.2016 – Biological treatment of wet process hardboard manufacturing wastewater in association with electricity production in microbial fuel cells 2) 04.02.2020 - Correlation of mechanical properties of chipboard with the buffer capacity of wood raw material in a non-homogeneous system 3) 23.09.2014 - Evaluation of palm oil biomass and fast growing timber species as potential solid biofuel – Chin Kit Ling: Univeritii Putra Malaysia 4) 08.09.2020 - Characterization of bioadsorbent produced using incorporated treatment of chemical and carbonization procedures, – Lee Chuan Li: Universitii Putra Malaysia</p> |
| Project/grant accomplishments (from the last 10 years) | <p>NCN/NCBR nr TANG01/266389/NCBR/2015 Implementing of innovative Eco-bonding method for wood-based asymmetrically veneered composites for furniture; 2) NCBR nr POIR01.01.01-000494/16 EcoPlank – application of natural polymers and plant fibers as alternative resources for hybrid wood-based panels production</p> |
| Theme scope - research problem - for the solving of which the PhD student is sought | <p>Research on new hot-melt adhesives based on biopolymers. Synthesis of thermoplastics and characterization of their mechanical, physical and adhesive properties.</p> |
| <p><u>Contact details:</u> Institute E-mail address Telephone</p> | <p>Institute of Wood Sciences and Furniture Warsaw University of Life Sciences - SGGW room no. 2/5368, building no. 34 159 Nowoursynowska St., Warsaw 02-787, Poland e-mail: mariusz_maminski@sggw.edu.pl Phone: +48 22 59 38 527</p> |