**Candidate supervisor's information summary form**
maximum 2 pages – it should be a summary of most important achievements

| Name and surname, degree, title: **prof. Mariusz Mamiński** | |
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| Academic discipline/disciplines | Forestry |
| Professional development (degrees and titles) in chronological order | Master in chemical technology (2000)<br>Doctor of forest sciences in the field of wood technology (2007)<br>Doctor (habilitation) of forest sciences in the field of wood technology (2013)<br>Professorship in forestry (2019) |
| Most important publications/ patents in the last 3 years (maximum 10) | Toczyłowska-Mamińska R., **Mamiński Ł.M.,** Kwasowski W., Microbial Fuel Cell Technology as a New Strategy for Sustainable Management of Soil-Based Ecosystems, Energies 2025, 18, 970<br>Siti Nurul Ashikin Rosli, Kit Ling Chin, Chuan Li Lee, **Mariusz Maminski**, Luqman Chuah Abdullah, and Renata Toczylowska-Maminska, Assessment of the Biological Durability of Oil Palm Trunk Modified With 1,3-Dimethylol-4,5-Dihydroxy-4-ethyleneurea (DMDHEU) Under Subsequent Curing at Elevated Temperatures, Bioresources, 2024, 19(4), 19(4), 9477-9496<br>Toczyłowska-Mamińska R., **Mamiński M.Ł**. Application of microbial fuel cell technology to potato processing industry, Energies 2023, 16(18), 6581; doi.org/10.3390/en16186581<br>Zalewski M.J., **Mamiński M.Ł.,** Parzuchowski P.G., Synthesis of poly(hydroxyurethane)s — experimental verification of the Box-Behnken optimization model, Polymers, 2022, 14, 4510.; doi.org/10.3390/polym14214510 |
| Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral procedures) in chronological order | 1) 06.12.2016 – Biological treatment of wet process hardboard manufacturing wastewater in association with electricity production in microbial fuel cells<br>2) 04.02.2020 - Correlation of mechanical properties of chipboard with the buffer capacity of wood raw material in a non-homogeneous system<br>3) 23.09.2014 - Evaluation of palm oil biomass and fast growing timber species as potential solid biofuel – Chin Kit Ling:<br>Univeritii Putra Malaysia<br>4) 08.09.2020 - Characterization of bioadsorbent produced using incorporated treatment of chemical and carbonization procedures,– Lee Chuan Li: Universitii Putra Malaysia |

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| Achievements in the area of projects/grants<br>(in the last 5 years) | Grant from National Centre for Research and Development, realized in years 2021-2023: Development of innovative<br>adhesive formulations for wide application in wood industry<br>Grant from National Centre for Research and Development, realized in years 2020-2023: Development of an<br>innovative method of covering wood-based panels in order to obtain innovative furniture products with new<br>functionality |
| Subject area of the research project for which the candidate student is being recruited | Research on new hot-melt adhesives based on modified starch. Synthesis of thermoplastic starch and characterization of its mechanical, physical and adhesive properties. |
| <u>Contact details:</u><br>Institute<br>E-mail address<br>Telephone number | Institute of Wood Sciences and Furniture<br>Warsaw University of Life Sciences - SGGW<br>room no. 2/53, building no. 34<br>159 Nowoursynowska St., Warsaw 02-787, Poland<br>e-mail: mariusz_maminski@sggw.edu.pl<br>Phone: +48 22 59 38 527 |