Ph. D., D.Sc. Agnieszka Jankowska

CONTACT

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EDUCATION

Occupational titles and science degrees	Date (year)	Institution
Master engineer of Wood technology	2008	Faculty of Wood Technology Warsaw University of Life Sciences - SGGW
Doctor of forest sciences in field of wood technology	2012	
Scientific habilitation of forest sciences in field of wood technology	2019	

PROFESIONAL COMPETENCE

Position	Date (year)	Institution
Assistant professor	2012	Department of Wood Science and Wood Preservation Warsaw University of Life Sciences - SGGW
Assistant professor (with habilitation)	2019	

SELECTED CURRENT FUNCTIONS

- Hospitalization Coordinator at the Institute of Wood Sciences and Furniture, Warsaw University of Life Sciences
- member of the Team for Ensuring and Improving the Quality of Education at the Institute of Wood Sciences and Furniture at Warsaw University of Life Sciences
- member of the Committee for periodic evaluation of academic teachers at the Institute of Wood Sciences and Furniture at Warsaw University of Life Sciences
- member of the Program Council of the Faculty of Wood Technology at Warsaw University of Life Sciences
- member of the Forest Science Discipline Council at Warsaw University of Life Sciences
- taking care of the Xylotheque at the Institute of Wood Sciences and Furniture at Warsaw University of Life Sciences
- member of the Association of Forestry and Woodworking Engineers and Technicians - http://www.sitlid.pl/
- secretary of Circle No. 13 of the Association of Forestry and Wood Industry Engineers and Technicians at the Institute of Wood Sciences and Furniture at the Warsaw University of Life Sciences in Warsaw
- member of the Advisory Board in the "Furniture and Wooden Material Research Journal"
- expert of the Information Processing Center - National Research Institute - http://www.opi.org.pl/
- expert of the National Center for Research and Development - http://www.ncbir.pl/
- reviewer in scientific journals such as Sustainability, Forests, Applied Sciences, Architecture, Buildings, Annals of Warsaw University of Life Sciences, Maderas. Ciencia y tecnología, Drvna Industrija
- Coatings Guest Editor

DIDACTIC

- conducting workshops in subjects such as: Wood Science, Physics of Wood, Mechanics of Wood, Science of Exotic Wood, Engineering sawn and cut materials
- co-author of handbooks and course books.
- training courses in field of exotic wood and construction timber.

SCIENCE

Scientific research:

- wood anatomy, properties and possibility of use (especially tropical wood)
- identification of contemporary wood as well as archaeological wood (including wooden charcoals)
- engineering of wooden materials including wood modification
- influence of habitat and genetic origin of trees on properties of wood

Research projects:

- EFFRaWood „Enhancement of utilization affectivity of raw material in production processes in industry" (2016-2018) - research project in program Biostrateg2 financed by National Centre of Research and Development - co-investigator.
- „Innovative technology for the production of furniture elements supported by the digital printing process", 2018, The National Center for Research and Development (research and implementation project under the sectoral program WoodINN) - co-investigator.
- „Production of innovative furniture based on modern chipboard" (2017-2018) The National Center for Research and Development (research and implementation project under the sectoral program WoodINN) - co-investigator.
- „Analysis of selected tropical wood properties relevant for its use as floor materials" (2017-2018) Project no. 505-10-062600-P00213-99, Research project at WULS (internal competition mode) - principal investigator.
- „Study of the physico-chemical properties of wood in the context of its use for floor materials" (2015-2016) Project no. 505-10-062600-M00406-99, Research project at WULS (internal competition mode) - principal investigator.
- „Innowacyjne materiały kompozytowe z biomasy lignocelulozowej odnawialnej w krótkim cyklu, zwiększające konkurencyjność przemysłu drzewnego" (2014-2018) Project no. 406/L-4/2013 funded by The National Centre for Research and Development, LIDER program - co-investigator.
- „Possibilities of using birch wood (*Betula* L.) in modern technologies used in wood industry" (2014-2015) Project nr 505-10-062600L00446-99 Research project at WULS (internal competition mode) - co-investigator.
- „Study of the physico-chemical properties of tropical wood" (2013-2014) Project no. 505-10-062600104-99, Research project at WULS (internal competition mode) - principal investigator.

Cooperation:

- Univeristy of Basque Country (Spain), Polish Academy of Sciences Botanical Garden in Powsin, Antiquity Research Center South East Europe University of Warsaw, University of Hamburg (Germany), Ecole Superieure Du Bois A Nantes (France), InnoRenew CoE (Slovenia), University of Trento (Italy);

RESEARCH AND EXPERT OFFER

- analysis of wood structure and properties;
- support in the field of complaints and disputes regarding the quality of wooden products and the correctness of installation services (floors, furniture, wall coverings, facades, terraces, roof trusses, wooden structures);
- identification of wood species and types (modern raw material and products, wood in historic buildings, archaeological material);
- evaluation and comparative analysis of the properties of new wood species and wood materials on the market (modified wood, WPC, little-known species of exotic wood);
- evaluation of projects in the field of innovation and implementation studies (new technological solutions introduced to companies, increasing competitiveness on the market);

SELECTED PUBLICATION FROM LAST 7 YEARS:
ORCID: **0000-0002-4827-5949**

2022

Jankowska A., Kwiatkowski A., 2022: Effectiveness of European oak wood staining with iron (II) sulphate during natural weathering. Maderas-Ciencia y Tecnologia 24: 1-18.

2021

Betlej I., Salerno-Kochan R., Jankowska A. [i in.], 2021: The Impact of the Mechanical Modification of Bacterial Cellulose Films on Selected Quality Parameters. Coatings 11(11): 1-12, Article no: 1275. DOI:10.3390/coatings11111275

Boruszewski P., Laskowska A., Jankowska A. [i in.], 2021: Potential Areas in Poland for Forestry Plantation. Forests, 12(10): 1-13, Article no:1360. DOI:10.3390/f12101360

Jankowska A., Kozakiewicz P., Zbieć M., 2021: The Effects of Slicing Parameters on Surface Quality of European Beech Wood. Drvna Industrija 72: 57-63. DOI:10.5552/drvind.2021.2013

Monder M. J., Kozakiewicz P., Jankowska A., 2021: The Role of Plant Origin Preparations and Phenological Stage in Anatomy Structure Changes in the Rhizogenesis of Rosa "Hurdal". Frontiers in Plant Science 12: 1-23, Article no: 696998. DOI:10.3389/fpls.2021.696998

Fabisiak E., Hashim R. (red.), **Jankowska A., Kozakiewicz P.,** Atlas drewna egzotycznego – Azja i Australia, 2021, Warszawa, Wydawnictwo SGGW, 244 s., ISBN 978-83-8237-030-0

Jankowska Agnieszka, Kozakiewicz Paweł, Szczęsna Magdalena, Drewno egzotyczne - rozpoznawanie, właściwości i zastosowanie, 2021, Warszawa, Szkoła Główna Gospodarstwa Wiejskiego w Warszawie, 224 s., ISBN 978-83-8237-014-0

2020

Jankowska A., Rybak K., Nowacka M., Boruszewski P., 2020: Insight of Weathering Processes Based on Monitoring Surface Characteristic of Tropical Wood Species, in: Coatings 10 (9) pp. 1-15, Article no: 877, DOI:10.3390/coatings10090877

Dobrowolska E., Wroniszewska P., Jankowska A., 2020: Density distribution in wood of European birch (*Betula pendula* Roth.). Forests 11(4), Article no: 445, DOI: 10.3390/f11040445

Kozakiewicz P., Jankowska A., Mamiński M. [et al.] 2020: The Wood of Scots Pine (*Pinus sylvestris* L.) from Post-Agricultural Lands Has Suitable Properties for the Timber Industry, in: Forests 11 (10), pp. 1-10, Article no: 1033, DOI:10.3390/f11101033

Andres B., Jankowska A., Duchnik G., 2020: A study of natural durability of selected coniferous wood species from north Asia affected by the fungus Coniophora puteana (Schumach.) P. Karst. Annals of Warsaw University of Life Sciences – SGGW Forestry and Wood Technology 112: 32-35, DOI: 10.5604/01.3001.0014.6986

Jankowska A., 2020: Understanding of surface roughness of wood based on analysis its structure and density. Annals of Warsaw University of Life Sciences – SGGW Forestry and Wood Technology 111: 27-31, DOI: 10.5604/01.3001.0014.6421

Jankowska A., **2020**: The study of colour changes under artificial weathering of light red meranti and yellow balau wood from Shorea genus. Annals of Warsaw University of Life Sciences – SGGW Forestry and Wood Technology 111: 37-42, DOI: 10.5604/01.3001.0014.6572

2019

Jankowska A., Andres B., Wójcik A., 2019: Characteristic technical properties of Siberian larch (*Larix gmellini* (Rupr.) Kuzen.) wood. Sylwan 163: 47-54.

Monder M. J., Kozakiewicz P., Jankowska A., 2019: Anatomical structure changes in stem cuttings of rambler roses induced with plant origin preparations. SCIENTIA HORTICULTURAE 255: 242-254, DOI: 0.1016/j.scienta.2019.05.034

2018

Jankowska A., 2018: Assessment of the sorptive properties of selected tropical wood species. Drvna Industrija 69 (1): 35-42, DOI: 10.5552/drind.2018.1733

Jankowska A., 2018: The study of selected physical and mechanical properties of okan wood *Cylicodiscus gabunensis* (Taub.) Harms. Annals of Warsaw University of Life Sciences – SGGW Forestry and Wood Technology 101: 189-193.

Jankowska A., Boruszewski P., Drożdżek M., Rębkowski B., Kaczmarczyk A., Skowrońska A., 2018: The Role of Extractives and Wood Anatomy in the Wettability and Free Surface Energy of Hardwoods. BioResources 13 (2): 3082-3097, DOI: 10.15376/biores.13.2.3082-3097

Jankowska A., Drożdżek M., Kaczmarczyk A., Skowrońska A., 2018: The influence of extractives on dimensional stability selected wood species from Africa. Annals of Warsaw University of Life Sciences – SGGW Forestry and Wood Technology 101: 78-84.

Jankowska A., Rębkowski B., 2018: The role of parenchyma content in dimensional stability of wood. Annals of Warsaw University of Life Sciences – SGGW Forestry and Wood Technology 103: 189-193.

Jankowska A., Zbieć M., Kozakiewicz P., Koczan G., Oleńska S., Beer P., 2018: The wettability and surface free energy of sawn, sliced and sanded European oak wood. MADERAS: Ciencia y Tecnología 20 (3): 443 – 454, DOI: 10.4067/S0718-221X2018005031401

2017

Boruszewski P., Jankowska A., Kurowska A., 2017: Comparison of the structure of juvenile and mature wood of *Larix decidua* Mill. from fast-growing plantations in Poland. BioResources 12 (1): 1813-1825, DOI: 10.15376/biores.12.1.1813-1825

Dobrowolska E., Jankowska A., Laskowska A., 2017: Wytrzymałość i wybrane właściwości fizyczne drewna poddanego różnym metodom sztucznego starzenia. w: Ochrona budynków przed wilgocią, korozją biologiczną i ogniem. Tom XIV. Praca zbiorowa pod redakcją W. Skowrońskiego. Wrocław.

Jankowska A., Andres B., Mastyna B., 2017: Characteristic technical properties of Siberian yellow pine (*Pinus sibirica* Du Tour.) wood. Sylwan 161 (9): 756-762.

Jankowska A., Drożdżek M., Sarnowski P., Horodeński J., 2017: Effect of Extractives on the Equilibrium Moisture Content and Shrinkage of Selected Tropical Wood Species. BioResources 12(1): 597-607, DOI: 10.15376/biores.12.1.597-607

Jankowska A., Gan A., Mazurek A., 2017: Determination selected physical and mechanical properties of mukulungu wood *Autranella congolensis* (de Wild.) A Chev.. Annals of Warsaw University of Life Sciences – SGGW Forestry and Wood Technology 100: 5-10.

Jankowska A., Reder M., Gołofit T., 2017: Comparative study of wood color stability using accelerated weathering process and infrared spectroscopy. Wood research 62 (4): 549-556.

Monder M. J., Kozakiewicz P., Jankowska A., 2017: Effect of Anatomical Structure of Shoots in Different Flowering Phase on Rhizogenesis of Once-blooming Roses. Notulae Botanicae Horti Agrobotanici Cluj-Napoca 45 (2): 408-416, DOI: 10.15835/nbha45210854

Jankowska A., Sjökvist T., Žigon J., 2017: Wood-water relations - Is water a main component of lignocellulosic materials? – Session report. Proceedings of the "Think outside of the wooden box!" workshop in Hamburg within COST Action FP1407 STSM. July 3 - 6, 2017, Hamburg Bergedorf-Campus: 20-24.

Jankowska A., Romanovski V., 2017: Wyznaczanie zmian wymiarowych drewna (Determination of dimensional changes of wood). Profesjonalny parkiet 4/2017: 42-44.

Jankowska A., 2017: Wilgotność równoważna drewna tropikalnego (Equilibrium moisture content of tropical wood). Profesjonalny parkiet 3/2017: 24-26.

Jankowska A., Romanovski V., 2017: Analiza rozeschnięcia deszczułki posadzkowej wykonanej w technologii SCRIMBER z bambusa modyfikowanego termicznie (Analysis of drying out of the floor board made in the SCRIMBER technology from thermally modified bamboo). Profesjonalny parkiet 2/2017: 41-43.

Jankowska A., 2017: Tradycyjne więźby dachowe domów jednorodzinnych (Traditional roof trusses of single-family houses). Inżynier budownictwa – Miesięcznik Polskiej Izby Inżynierów Budownictwa 3/2017: 103-107.

2016

Boruszewski P., Kurowska A., Jankowska A., 2016: Influence of poplar "Hybrid 275" fibres addition on mat pressing in mdf technology. XXIII TECNICELPA - International Forest, Pulp and Paper Conference 12-14 October, 2016 - Porto, Portugal: 1-6.

Borysiuk P., Ciach L., Jankowska A., Kozakiewicz P., Kurowska A., 2016: Identification issues of wood in music instruments. Making wooden musical instruments - An integration of different form of knowledge. Proceedings. Editors: Marco A. Pérez & Sandine Le Conte. 3rd Annual Conference COST FP1302 WoodMusICK. Museu de la Música de Barcelona. September 7-9 2016: 47-50, (ISBN: 978-84-945603-3-0).

Jankowska A., Karkowski T., 2016: Determination of surface free energy of selected tropical wood species from Africa. Annals of Warsaw University of Life Sciences – SGGW Forestry and Wood Technology 93, 2016: 57-63.

Jankowska A., Kozakiewicz P., 2016: Determination of fibre saturation point of selected tropical wood species using different methods. Drewno Vol 59 (197): 89-97, DOI: 10.12841/wood.1644-3985.C07.12

Jankowska A., Kozakiewicz P., 2016: Evaluation of wood resistance to artificial weathering factors using compressive properties. Drvna Industrija 67 (1): 3-8, DOI: 10.5552/drind.2016.1355.

Jankowska A., Kozakiewicz P., 2016: Identyfikacja węgli drzewnych pochodzących z wykopalisk w Novae (Bułgaria), Szkodrze (Albania) i Risan (Czarnogóra). Novensia 26: 83-98.

Kozakiewicz P., Jankowska A., 2016: Identyfikacja i analiza próbek drewna z broni pochodzącej z jeziora w Lubanowie = Identification and Analysis of Wood Samples from Arms from the Lake in Lubanowo s: 226 - 235. W Pracy zbiorowej pod red. T. Nowakiewicza, Starożytne miejsce ofiarne w jeziorze w Lubanowie (d. Herrn-See) na Pomorzu Zachodnim = Ancient Sacrificial Place in the Lake in Lubanowo (former Herrn-See) in West Pomerania. Instytut Archeologii UW, Fundacja Przyjaciół Instytutu Archeologii UW, Wydanie I, Warszawa 2016.

2015

Andres B., Jankowska A., Koloch M., Mazurek A., Oleksiewicz A., Pałucki M., Wójcik A. 2015: A study of natural durability of wood in selected tropical wood species from South America and Africa affected by the fungus *Serpula lacrymans* (Wulf., Fr.) Schroet. Annals of Warsaw University of Life Sciences – SGGW Forestry and Wood Technology 92: 11-17.

Jankowska A. 2015: The study of influence artificial weathering on color changes of selected wood species from Africa. Annals of Warsaw University of Life Sciences – SGGW Forestry and Wood Technology 92: 131-136.

Jankowska A., Żurawski P., Mazurek A. 2015: The influence of artificial weathering on abrasion resistance of selected wood species from South America. Annals of Warsaw University of Life Sciences – SGGW Forestry and Wood Technology 89: 60-65.

Boruszewski P., Kurowska A., Jankowska A., Wysokińska A., Borysiuk P., 2015: Determination of the potential area of land for plantations of fast-growing trees in Poland. Proceedings from 1st International Scientific Conference WOOD – SCIENCE – ECONOMY 5-6 October 2015, Poznań, Poland: 32.

Boruszewski P., Jankowska A., Kurowska A., Auriga R., Mamiński M., Borysiuk P., 2015: Analysis of the chemical composition of wood from fast-growing trees plantations in terms of application in wood-based panels technology. Proceedings from 1st International Scientific Conference WOOD – SCIENCE – ECONOMY 5-6 October 2015, Poznań, Poland: 41.

Boruszewski P., Jankowska A., Kurowska A., Auriga R., 2015: The comparison of anatomical structure and properties of juvenile and mature wood of cultivated Larix decidua mill. from fast-growing plantations. Proceedings from 1st International Scientific Conference WOOD – SCIENCE – ECONOMY 5-6 October 2015, Poznań, Poland: 52.

Jankowska A., Kozakiewicz P., 2015: Determination of the fibre saturation point in wood of various morphology using different methods. Proceedings from 1st International Scientific Conference WOOD – SCIENCE – ECONOMY 5-6 October 2015, Poznań, Poland: 53.

2014

Jankowska A., Kozakiewicz P., 2014: Comparison of outdoor and artificial weathering using compressive properties. Wood Research 59 (2): 245-252.

Jankowska A., Kozakiewicz P., 2014: Comparison of thermal properties of selected wood species intended to woodwork windows production. Annals of Warsaw University of Life Sciences – SGGW, Forestry and Wood Technology 85: 101-105.

Jankowska A., Kozakiewicz P., 2014: Influence of thermal modification of Scots pine wood (*Pinus sylvestris* L.) on colour changes. Annals of Warsaw University of Life Sciences – SGGW, Forestry and Wood Technology 88: 92-95.

Jankowska A., Wawryszuk A., Mazurek A., 2014: The influence of artificial weathering on changes in color of selected coniferous wood species. Annals of Warsaw University of Live Science – SGGW, Forestry and Wood Technology 85: 95-100.

Kozakiewicz P., Jankowska A., Cichy A., 2014: Influence of thermal modification on selected properties of Scott pine wood (*Pinus sylvestris* L.). Trieskové a bezrieskové obrábanie dreva 9 (1): 241-246. Technická Univerzita vo Zvolene, Zvolen.

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http://agnieszka_jankowska.users.sggw.pl/
https://www.researchgate.net/profile/Agnieszka_Jankowska3
https://scholar.google.pl/citations?user=NHbwtyUAAAAJ&hl=pl
https://nauka-polska.pl/#/profile/scientist?id=245301&_k=mbep9w

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