D.Sc. Paweł Kozakiewicz, associate professor

CONTACT

Department of Wood Science and Wood Preservation
Institute of Wood Sciences and Furniture
Warsaw University of Life Sciences - SGGW
room no. 2/62, building no. 34
159 Nowoursynowska St., Warsaw 02-787, Poland
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e-mail: pawel_kozakiewicz@sggw.edu.pl
http://pawelkozakiewicz.waw.pl/

EDUCATION

Occupational titles and science degrees	Date (year)	Institution
Master engineer of wood technology	1997	Faculty of Wood Technology Warsaw University of Life Sciences - SGGW
Doctor of forest sciences in field of wood technology	2002	
Doctor (habilitation) of forest sciences in field of wood technology	2011	

PROFESIONAL COMPETENCE – over 20 Years

Position	Date (year)	Institution
Inter tutor	1996	Department of Wood Science and Wood Preservation Institute of Wood Sciences and Furniture Warsaw University of Life Sciences - SGGW
Tutor	1997	
Assistant professor	2002	
Assistant professor (with habilitation)	2011	
Associate professor	2015	

Also:
- in years 2005 – 2012 vice-dean of didactics of full-time studies at Faculty of Wood Technology WULS-SGGW
- in years 2013 – 2016 head of Division of Science of Wood
- from September 2016 to September 2019 vice-dean for science and development at Faculty of Wood Technology
- since October 2019 **director of The Institute of Wood Sciences and Furniture** WULS-SGGW

SELECTED CURRENT FUNCTIONS

- member of the Senate WULS-SGGW (2020-2024)
- chairman of the Senate Commission of Teaching and Education WULS-SGGW (2020-2024)
- member of the Senate Commission of Charter and Structure WULS- SGGW (2020-2024)
- member of the Senate Commission of Finance WULS - SGGW (2020-2024)
- member of the Rectus Commission of Development WULS-SGGW (2021-2024)
- member of the Scientific Council of Forest Science (2021-2024)
- member of the Program Council of Faculty of Wood Technology (2021-2024)
- head of the Xylotheque at Institute of Wood Sciences and Furniture (since 2010)
- member of Committee of Forestry and Wood Technology of Polish Academy of Sciences (since 2016) - http://knlitd.pan.pl/
- member of Main Directorate of Association of Foresters and Wood Technologists (since 2010) - http://www.sitlid.pl/
- member of Technical Committee no 215 (since 2009) and no 311 (since 2021) of Polish Standardization Committee - http://kt.pkn.pl/

- member of the editorial board of Scientific Bulletin of NEFU (since June 2022) - https://nv.nltu.edu.ua/index.php/journal/editorial-board
- member of the scientific board of quarterly "Science Nature Technologies" topic Wood Technology (since 2012)- http://www.npt.up-poznan.net/en/editors/
- member of the scientific board of journal “Wieś Radomska” - https://www.muzeum-radom.pl/wydawnictwa
- member of Board of reviewers of quarterly Annals Warsaw University of Life Sciences - Forestry and Wood Technology (since 2012) http://wtd.sggw.pl/Content/annals-wuls.html
- evaluator of The National Centre for Research and Development - http://www.ncbir.pl/

DIDACTIC

- the lectures: Wood Science, Science of Exotic Wood, Microclimate for Wooden Cultural Objects, Physics of Natural Fibrous materials, Strength of Materials;
- author and co-author of handbooks, course books, monographs, e.g.:
  Atlas drewna podłogowego (2012)
  Fizyka drewna w teorii i zadaniach (2012)
  Klimat a drewno zabytkowe – dawna i współczesna wiedza o drewnie (2013)
  Drzewne materiały konstrukcyjne (2019)
  Ilustrowany przewodnik klasyfikacji jakościowej tarcicy liściastej (2021)
  Drewno egzotyczne - rozpoznawanie, właściwości, zastosowanie (2021)
  Atlas of exotic wood- Asia and Australia (2021)
- training course: in exotic wood, grading of hardwood timber, visual strength grading of constructional softwood timber, drying of wood.

SCIENCE

Scientific research:

- influence of habitat and genetic origin of trees on properties of wood;
- properties and application of exotic wood ;
- wood as an engineering material, modern methods of wood investigation e.g. deflectoscopy and X-Ray CAT scanning, acoustics);
- identification and properties of contemporary, antique and excavated wood;
- analysis of wood science development in historical approach.

Research projects:

current

- Leader of Project "Dendro-Spec" 2021/43/I/NZ9/02809, OPUS 22 - LAP/WEAVE, Spectroscopic Methods for Rapid Phenotyping of Trees Reflecting their Ecological Resilience financed by National Science Centre (2023-2025)

last realized

- Relics of the medieval wooden structure of the buildings of the castle hill in Lublin - interdisciplinary research and conservation. Project co-financed by the Ministry of Culture and National Heritage from the program "Protection of archaeological monuments" for 2019-2020 (2198/19/FPK/NID) as part of cooperation with the Lublin Museum in Lublin - project contractor (coordinator from the Warsaw University of Life Sciences).
- CROPTECH „Intelligent systems for breeding and cultivation of wheat, maize and poplar for optimized biomass production, biofuels and modified wood” - research project in program Biostrateg2 financed by National Centre of Research and Development (2016-2019).
- EFFRaWood „Enhancement of utilization affectivity of raw material in production processes in industry”- research project in program Biostrateg2 financed by National Centre of Research and Development (2016-2018).
- POWER „Partnership for continuing vocational training. Phase 1: Forum of social partners” – project funded by European Social Fund EU (2016 – 2017).

Cooperation:

- seats of learning e.g. Warsaw University of Technology, University of Warsaw, Poznan University of Life Sciences, Wood Technology Institute;
- museums e.g. The Wilanów Palace Museum, The National Museum in Warsaw The Lublin Museum;
- others e.g. Center of Personal Training in Kępno.

RESEARCH OFFER AND EXPERT ASSESSMENTS

- **complaints** and arguments concerning of quality of woodworks and correctness of installation and assembling service (floors, panels, furniture, wainscot, wooden elevations, wood buildings);
- **identification of wood** (contemporary and antique and archeological wood);
- **assessment and comparison analysis** of properties of new species of wood and new wooden materials introduction on the market (impregnated or modified wood including thermo wood, wood-plastic composites WPCs, little-known species of exotics woods);
- **analyzes of projects of innovations** and studies of implementations (new technical solutions implemented to companies, enhancement of companies competition on the market);
- quality (visual strength grading) of softwood constructional timber.

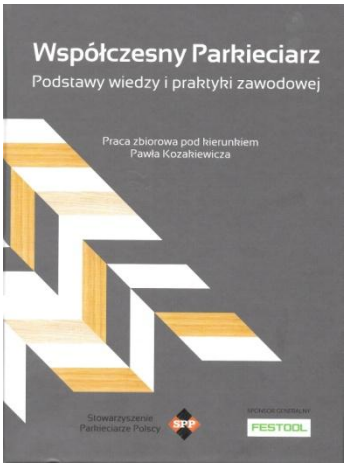
SELECTED SCIENCE PUBLICATIONS FROM LAST 5 YEARS:

ORCID: **0000-0002-2285-2912**

2023

Kozakiewicz P., 2023: Jałowiec pospolity (*Juniperus communis* L.) – europejskie drewno. Przemysł Drzewny Research & Development nr 1/2023 (39), str. 76-81.

Books 2023



Praca zbiorowa
pod redakcją
Pawła Kozakiewicza

Współczesny parkieciarz – podstawy wiedzy i praktyki zawodowej

Wydanie I., Wydawca:
Stowarzyszenie
Parkieciarze Polscy
Poznań **2023**

ISBN 987-83-926602-1-7

2022

Koczan Grzegorz, Paweł Kozakiewicz, 2022: Rectangular-triangular and reference trapezoidal bending models versus measurement results of three species of exotic wood. Trieskové a Beztrieskové Obrábanie Dreva. Chip And Chipless Woodworking Processes**,** 13(1): 51-58, 2022 Zvolen, Technical University in Zvolen (online), ISNN 2454-904X (print)

Zatoń Patrycja, Kozakiewicz P., Mańkowski P., 2022: Investigation of round Scots pine wood WC01 class using X-ray computer tomography Annals of WULS – SGGW, Forestry and Wood Technology № 117, 2022: 97-105 DOI:10.5604/01.3001.0016.0487

Konofalska Eliza, Kozakiewicz Paweł, Buraczyk Włodzimierz, Lachowicz Hubert, 2022: Acoustic properties of Scots Pine wood and genetic background. Published: 15 October 2022 by MDPI w: Environmental Sciences Proceedings, .2021, 3, x. https://doi.org/10.3390/xxxxx The 3rd International Electronic Conference on Forests — Exploring New Discoveries and New Directions in Forests session Wood Science, Production Chains, Fuelwood and Trade https://doi.org/10.3390/IECF2022-13038 (https://sciforum.net/paper/view/13038)

Kozakiewicz Paweł, Laskowska Agnieszka, Droździek Michał, Zwadzki Janusz 2022: Influence of thermal modification in nitrogen atmosphere on selected physical and technological properties of wood of European species with different structural features. Coatings **2022**, 12, 1663. https://doi.org/10.3390/coatings12111663

Karwat Z., Koczan G., Rębkowski B., Kozakiewicz P., 2022: Comparison beech wood tension strength parallel to grain of cylindrical samples with conical and funnel tapering versus standard rectangular cross section samples. Drewno 2022, Vol. 65, No 209: DOI:10.12841/wood.1644-3985.403.11

2021

Olga Bytner, Agnieszka Laskowska, Michał Drożdżek, Paweł Kozakiewicz, Janusz Zawadzki 2021: Evaluation of the Dimensional Stability of Black Poplar Wood Modified Thermally in Nitrogen Atmosphere. Materials 14, 1491, DOI:10.3390/ma14061491

Trzcinski Grzegorz., Tymendorf Łukasz, Kozakiewicz Paweł, 2021: Parameters of Trucks and Loads in the Transport of Scots Pine Wood Biomass Depending on the Season and Moisture Content of the Load. Forests 12, 223 DOI: 10.3390/f120200223

Eliza Konofalska, Paweł Kozakiewicz, Włodzimierz Buraczyk, Henryk Szeligowski, Hubert Lachowicz, 2021: The technical quality of wood of Scots pine (Pinus sylvestris L.) of diverse genetic origin. Forests 2021, *12(*5), 619; https://doi.org/10.3390/f12050619

Dominika Szadkowska, Janusz Zawadzki, Paweł Kozakiewicz, Andrzej Radomski, 2021: Identification of extractives from various poplar species. Forests 2021, 12, 647, https://doi.org/10.3390/f120560647

Kozakiewicz Paweł., Łukasz Tymendorf, Trzcinski Grzegorz 2021: Importance of the moisture content of large-sized Scots pine roundwood (Pinus sylvestris L.) in its road. Forests **2021**, *12* (7), 879; https://doi.org/10.3390/f12070879 (registering DOI) - 05 Jul 2021

Laskowska Agnieszka, Majewska Karolina, Kozakiewicz Paweł, Mamiński Mariusz, Bryk Grzegorz 2021: Case Study of the anatomy nad physical and mechanical properties of sapwood and heartwood of Platycladus orientalis (L.) Franco from South-West Poland. Forests **2021**, *12* (7), 925; https://doi.org/10.3390/f12070925 (registering DOI) - 05 Jul 2021

Monder Marta, Kozakiewicz Paweł, Jankowska Agnieszka, 2021: The role of plant origin preparations and phenological stage in anatomy structure changes in the rhizogenesis of Rosa 'Hurdal' Frontiers in Plant Science DOI: https://doi.org/10.3389/fpls.2021.696998

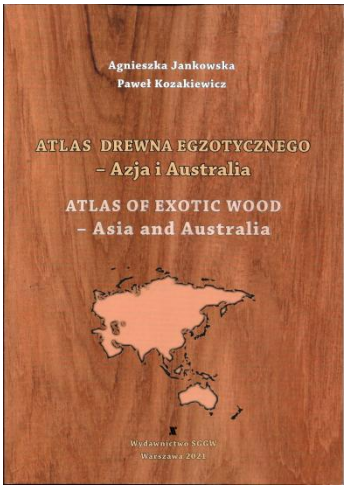
Koczan Grzegorz, Karwat Zbigniew, Kozakiewicz Paweł 2021: An attempt to unify the Brinell, Janka and Monnin hardness of wood on the basis of Meyer law. Journal of Wood Science 67, 7 (2021). https://doi.org/10.1186/s10086-020-01938-4

Jankowska Agnieszka, Kozakiewicz Paweł, Zbieć Marcin 2021: The effects of slicing parameters on surface quality of European beech wood. Drvna Industrija 72 (1) 57-63 (**IF=**) DOI: 10.5552/drvind.2021.2013

Mc Kinney Kaja, Kozakiewicz Paweł, 2021: Study of selected properties of red maple wood (*Acer rubrum*) form the experimental plot of the forest arboretum in Rogów. Annals of Warsaw University of Life Sciences – SGGW, Forestry and Wood Technology No 115, 2021, 5-17: DOI:10.5604/01.3001.0015.2915

Kozakiewicz Paweł, Dadon Marcin, Marchwicka Monika, 2021: Investigation of selected properties of the black elder wood (*Sambucus nigra L.*). Annals of Warsaw University of Life Sciences – SGGW, Forestry and Wood Technology No 116, 2021, 28-38 DOI:10.5604/01.3001.0015.6640

Books 2021



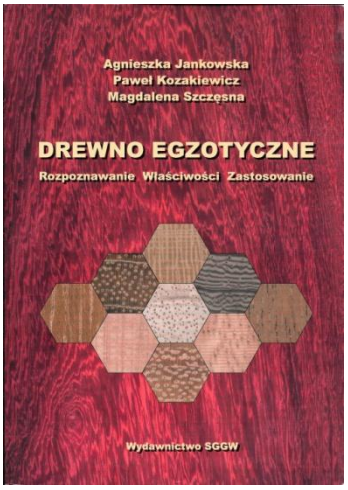
Agnieszka Jankowska
Paweł Kozakiewicz

Atlas of exotic wood – Asia and Australia

Atlas drewna egzotycznego – Azja i Australia

Wydanie I. Wydawnictwo SGGW, Warszawa 2021

ISBN 987-83-8237-030-0



Agnieszka Jankowska
Paweł Kozakiewicz
Magdalena Szczęsna

Drewno egzotyczne – rozpoznawanie, właściwości i zastosowanie

Wydanie II. Wydawnictwo SGGW Warszawa 2021

ISBN
978-83-8237-014-0

Paweł Kozakiewicz

Drewno w budownictwie – wymagania i możliwości

Biblioteczka leśniczego Zeszyt 410 SITLiD Wydawnictwo Świat. Wydanie I. Warszawa 2021

ISSN 1232-8111

2020

Kozakiewicz Paweł, Trzciński Grzegorz, 2020: Wood in the Construction of Forest Roads on Poor-bearing Road Subgrades. *Forests* 2020, *11*(2), 138; https://doi.org/10.3390/f11020138 (registering DOI).

Kozakiewicz Paweł, Drożdżek Michał, Laskowska Agnieszka, Grześkiewicz Marek, Bytner Olga, Radomski Andrzej, Krajewski Krzysztof, Mróz Agnieszka, Zawadzki Janusz 2020: Chemical composition as factor affecting the mechanical properties of thermally modified black poplar (*Populus nigra* L.) BioResources 15 (2), 3915-3929

Grześkiewicz Marek, Kozakiewicz Paweł, Borysiuk Piotr, Romanovski Valerjan, Cichy Andrzej 2020: Influence of top layer density and thickness on hardness of two-layer floor elements. Drewno 63 (205). DOI: 10.12841/wood.1644-3985.336.12

Krajewski Adam, Kozakiewicz Paweł, Witomski Piotr, 2020: Comparison of selected properties of natural aged wood and contemporary timber of Pinus sylvestris L. investigated using standard methods and measuring of transition speed of ultrasounds along the fibre. Wood research 65(3) 2020: 405-414 https://doi.org/10.37763/wr.1336-4561/65.3.405414

Rębkowski B., Koczan G., Kozakiewicz P., Krzosek S., 2019: Analysis of chosen traits of typical wood supply of oaken logs and comparison of efficiency of its processing into floorings. Analiza wybranych cech typowej dostawy kłód dębowych oraz porównanie wydajności ich przerobu na materiały podłogowe. Annals of Warsaw University of Life Sciences – SGGW, Forestry and Wood Technology No 109, 2020: 92-102 DOI: 10.5604/01.3001.0014.3324

Muhammad Effsal Hadinata, Paweł Kozakiewicz 2020: An investigation of selected properties of teak wood from 9-year-old plantation forest in Indonesia. Annals of Warsaw University of Life Sciences – SGGW No. 110, 2020:61-72 DOI: 10.5604/01.3001.0014.3929

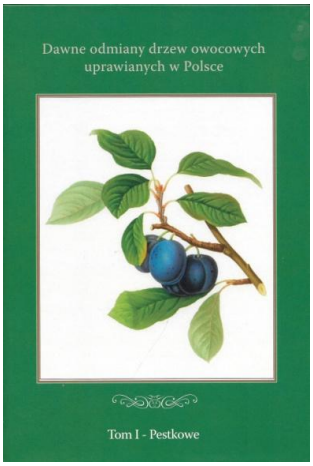
Paweł Kozakiewicz, Agnieszka Jankowska, Mariusz Mamiński, Katarzyna Marciszewska, Wojciech Ciurzycki, Mirela Tulik, 2020: The wood of Scots Pine (Pinus sylvestris L.) from Post-Agricultural Lands has Suitable Properties for the Timber Industry. **Forests 2020,11, 1033: doi:10.3390/f11101033**

Konofalska Eliza, Kozakiewicz Paweł, Buraczyk Włodzimierz, Lachowicz Hubert 2020: The Technical Quality of Wood of Scots Pine (Pinus sylvestris L.) of Diverse Genetic Origin, w: Environmental Sciences Proceedings, 2020, ss. 1-6. ISSN , e-ISSN 2673-4931 The 1st International Electronic Conference on Forests — Forests for a Better Future: Sustainability, Innovation, Interdisciplinarity, 15-11-2020 - 30-11-2020, Basel, Szwajcaria https://sciforum.net/conference/IECF2020

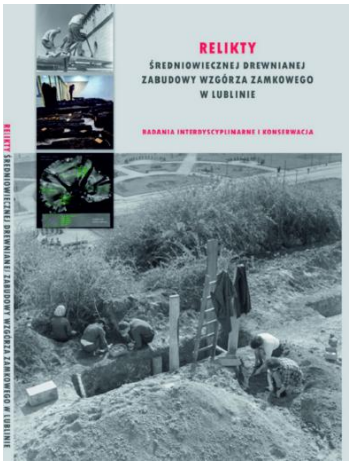
Kozakiewicz P., Laskowska A., Ciołek S., 2020: Study of selected features of plantation paulownia variety Shan Tong and properties of its wood. DOI: Annals of WULS - SGGW.Forestry and Wood Technology 2020; 111 : 116-123; DOI: 10.5604/01.3001.0014.6904

Kozakiewicz Paweł, Borsuk Magdalena, Majcherek Tomasz 2020: Badania interdyscyplinarne i konserwacja drewna archeologicznego ze wzgórza zamkowego w Lublinie S:91-106.W: Relikty średniowiecznej drewnianej zabudowy wzgórza zamkowego w Lublinie – badania interdyscyplinarne i konserwacja. Praca zbiorowa pod red. Marty Stasiak-Cyran. Muzeum Narodowe w Lublinie, Lublin. 2020. Publikacja dofinansowana ze środków Ministra Kultury i Dziedzictwa Narodowego pochodzących z Funduszu Promocji Kultury Muzeum Narodowe.

Books 2020



Praca zbiorowa pod red. Prof. dr hab. Andrzeja A. Przybyły
Dawne odmiany drzew owocowych uprawianych w Polsce
Tom I – Pestkowce
Wydawca Zespół Parków Krajobrazowych nad Dolną Wisłą. Współwydawca: Zespół Parków Krajobrazowych Chełmińskiego i Nadwiślańskiego.
Wydanie II, Gruczno 2020
ISBN 987-83-61821-54-0



Praca zbiorowa pod red. Marty Stasiak-Cyran
Relikty średniowiecznej drewnianej zabudowy wzgórza zamkowego w Lublinie – badania interdyscyplinarne i konserwacja
Muzeum Narodowe w Lublinie, Publikacja dofinansowana ze środków
Ministra Kultury i Dziedzictwa Narodowego pochodzących z Funduszu Promocji Kultury
Muzeum Narodowe.
Lublin. 2020.
ISBN 978-83-61073-75-8

2019

Kozakiewicz Paweł 2019: Właściwości drewna pestkowych str. 129-134, w: Dawne odmiany drzew owocowych uprawianych w Polsce**.** Tom I – Pestkowce. Praca zbiorowa pod red. Prof. dr hab. Andrzeja A. Przybyły. Wydawca Zespół Parków Krajobrazowych nad Dolną Wisłą. Wydanie I, Świecie.

Borysiuk P., Kozakiewicz P., Krzosek S.,2019: Drzewne materiały konstrukcyjne. Wydawnictwo SGGW, Wydanie I, Warszawa. ISBN 978-83-7583-815-2

Monder M., Kozakiewicz P., Jankowska A., 2019: Anatomical structure changes in stem cuttings of rambler roses induced with plant origin preparations Scientia Horticulturae 255:242-254 – www.elsilver.com/locate/scihorti

Kozakiewicz P., Drożdżek M., Laskowska A., Grześkiewicz M., Bytner O., Radomski A., Zawadzki J., 2019: Effects of Thermal Modification on the Selected Physical Properties of Sapwood and Heartwood of Black Poplar (*Populus nigra* L.) Bioresources 14 (4), 8391-8404 https://bioresources.cnr.ncsu.edu/issues/vol14-issue4/

Krajewski A., Kozakiewicz P., Witomski P., Oleksiewicz A., 2019: Naturalna odporność drewna *Erythrophleum fordii* Oliver i *Hopea pierrei* Hance na niszczenie przez termity glebowe (The natural wood resistance of *Erythrophleum fordii* Oliv. and *Hopea pierrei* Hance to destruction by subterranean termites). Sylwan 163 8): 685-693.

Zatoń P., Będkowski M., Buraczyk W., Koczan G., Kozakiewicz P., 2019: Comparison of dendrometric features of Scots pine trees and wood density from one of genetic origin obtained from the provenance surface in Forest Research Institute in Rogów. Annals of Warsaw University of Life Sciences – SGGW, Forestry and Wood Technology No 105, 2019: 4-11.

Zawadzka K., Kozakiewicz P., 2019: The radial variation of the selected physical and mechanical properties of Norway spruce (*Picea abies* (L.) H. Karst) wood from the provenance area in Głuchów. Annals of Warsaw University of Life Sciences – SGGW, Forestry and Wood Technology No 105, 2019: 133-143.

Borysiuk P., Burawska-Kupniewska I., Auriga R., Kowaluk G., Kozakiewicz P., Zbieć M., 2019: Influence of layered structure of composite timber floor boards on their hardness. Drvna Industrija 70 (4) 399-406 DOI 10.5552 drvind.2019.1856**.**

Kozakiewicz P., 2019: Badania drewnianej tablicy obrazu *Madonna del velo***.** Studia Wilanowskie tom XXVI: str **147-151** ISSN 0137-7329. Wydawca Muzeum Pałacu Króla Jana III w Wilanowie ul. Stanisława Kostki Potockiego 10/16 02-958 Warszawa.

More information on my website:
http://pawelkozakiewicz.waw.pl/
and websites listed below:
http://www.researchgate.net/profile/Pawel_Kozakiewicz/
https://scholar.google.com/citations...
http://independent.academia.edu/...
https://www.webofscience.com/wos/author/record/1669105
https://nauka-polska.pl/#/profile/scientist?id=109354&_k=17kak3
https://bw.sggw.edu.pl/info/author/....
https://www.scopus.com/authid/detail.uri?authorId=56012348500

Updated – March2023