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CONTACT

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EDUCATION

Occupational titles and science degrees	Date (year)	Institution
Master engineer of forestry	1982	Faculty of Forestry Warsaw University of Life Sciences - SGGW
Doctor of technical sciences in field of wood technology	1991	Faculty of Wood Technology Warsaw University of Life Sciences - SGGW
Doctor (habilitation) of forest sciences in field of wood technology	1999	
Professor of forest sciences	2005	President of the Republic of Poland

PROFESIONAL COMPETENCE – 39 years

Position	Period (years)	Institution
Tutor	1982 - 1991	Faculty of Wood Technology Warsaw University of Life Sciences - SGGW
Assistant professor	1992 - 1999	
Assistant professor (with habilitation)	1999 - 2001	
Associate professor	2001 - 2019	
Full professor	2019 -	Institute of Wood Sciences and Furniture Warsaw University of Life Sciences - SGGW

Also:

- in years 2002 – 2005 i 2012-2019 – Dean of Faculty of Wood Technology, WULS-SGGW
- in years 1998 – 2005 i 2016-2018 - head of Division of Wood Protection, WULS-SGGW
- in years 2002-2005; 2012-2019 - member of the Senate WULS - SGGW
- in years 2012 – 2019 – chairman of the Inter-departmental Commission for the evaluation of academic teachers
- in years 2002 – 2019 – member of the Library Council of the WULS-SGGW

SELECTED CURRENT FUNCTIONS

- member of Committee of Forestry and Wood Technology of Polish Academy of Sciences - http://knlitd.pan.pl/
- member of CEN/TC 038/WG 21, European Committee for Standardization - https://standards.cen.eu/
- member of Scientific Board of the journal „Drewno - Wood" - http://drewno-wood.pl/rada-naukowa

- member of Technical Committee no 185 of Polish Standardization Committee - https://www.pkn.pl/normalizacja/organy-techniczne/
- secretary of the Krzysztof Kluk Museum of Agriculture in Ciechanowiec - https://www.muzeumrolnictwa.pl/
- member of The Polish Building Mycologist Association - http://www.psmb.wroclaw.pl/
- member of the Forest Science Discipline Council at Warsaw University of Life Sciences - SGGW
- member of the Rector's Committee for Economy and Investment, WULS-SGGW

DIDACTIC

- the lectures: Wood protection, Mycological prophylaxis in buildings, Man and environment, Protection of wood constructions, Man end forest, Wood pathology, Conservation of wood
- co-author of handbooks, course books, monographs, e.g.:

  Betlej Izabela, Krajewski Krzysztof, Andres Bogusław: Produkty biobójcze przeznaczone dla budownictwa w aspekcie aktualnych wymagań prawnych, w: Ochrona budynków przed wilgocią, korozją biologiczną i ogniem: praca zbiorowa / Skowroński Wojciech (red.), Monografia - Polskie Stowarzyszenie Mykologów Budownictwa, vol. T. 15, 2019, ISBN 978-83-7493-095-6, ss. 41-49

  Dzurenda L., Krajewski K.J., Wilkowski J.: Zarys hydrostatyki i hydrodynamiki w teorii i obliczeniach. Wydawnictwo SGGW, Warszawa, 2014, ss. 111, ISBN 978-83-7583-483-3

  Krajewski K.J.: Substancje czynne w produktach biobójczych dla budownictwa. W: Skowroński W. [Red.]. Ochrona Budynków przed wilgocią korozją biologiczną i ogniem. Seria Monografie nr 10, tom IX. Wyd. PSMB, Wrocław, 2014s, . 52-61. ISBN 978-83-924512-8-0

  Karyś Jerzy, Krajewski Krzysztof (*red.*): Ochrona budynków przed wilgocią i korozją biologiczną :praca zbiorowa, Monografia - Polskie Stowarzyszenie Mykologów Budownictwa, vol. T. 8, 2012, Polskie Stowarzyszenie Mykologów Budownictwa, 119 s.

  Krajewski, K.J., Andres, B.: Identyfikacja grzybów domowych na podstawie atlasu i próbek porażonego drewna. W: Ochrona budynków przed wilgocią i korozją biologiczną. Red. Jerzy Karyś. Monografia nr 3, tom VII. Wyd. PSMB 2010. s. 81-88

  Krajewski K.J.: Chemiczne środki ochrony drewna przed korozją biologiczną. Rozdz. 6. w: Ochrona budynków przed korozją biologiczną. Ważny J., Karyś J. (Red.). Wyd. ARKADY 2001; 128-153

  Krajewski K.J.: Stosowanie chemicznych środków ochrony drewna budowlanego. Rozdz. 7. w: Ochrona budynków przed korozją biologiczną. Ważny J., Karyś J. (Red.). Wyd. ARKADY 2001: 154-184

  Krajewski K.J.: Zwalczanie korozji biologicznej w budynkach. Rozdz. 8. W: Ochrona budynków przed korozją biologiczną. Ważny J., Karyś J. (Red.). Wyd. ARKADY 2001: 185-200

SCIENC

Science research:

- durability and natural resistance of wood
- methods and products for wood protection
- wood degradation factors and their impact on wood
- biodegradation of materials
- wood preservation products and active substances
- biotechnological applications of microorganisms
- protection of environment

Research projects:

- MNiI nr 3P 06L 009 24:2003-2006: Structural strengthening of construction timber degraded by biological factors (coordinator).
- KBN nr 5 P06M 002 10: Classification of phytotoxicity of wood preservatives (contractor)
- KBN nr 7 T08E 003 15: A new wood preservative based on polymeric aminotrazole complexes with copper (contractor)
- MENiSW Nr42/N-COST/2007/0: Analysis of the size of resources and breeding quality as well as the suitability of oversize wood in Poland and selected European countries (contractor)
- EOG Nr 8m/II/2013/PL09: Documentation and monitoring in the management of wooden construction facilities at the Krzysztof Kluk Agricultural Museum in Ciechanowiec and the Ryfylke Museum in Norway (contractor)
- BIOSTRATEG2/298950/1/NCBR/2016: Increasing the efficiency of the use of raw wood material in the industrial production processes (contractor)

- Projekt Badawczy NCBiR- WoodINN- 2018: „Production of innovative furniture based on modern particleboard (contractor)
- BIOSTRATEG3/344303/14/NCBR/2018: Improving the process and material efficiency in the sawmill industry (contractor)

International and national awards for scientific and organizational activities:

- International Ron Cockcroft Award in the field of research and achievements in the field of wood protection (1998, Sweden)
- Team Award of the Minister of National Education for carrying out comprehensive research in the field of pathology and wood preservation (1993)
- Team Award of the Minister of Labor and Social Policy in the national competition for the Improvement of Working Conditions (2001)
- Team Award of the Minister of Infrastructure in the field of scientific publications for the book "Protection of buildings against biological corrosion" (2002)
- A special team award at the VIII National Academic Book Fair ATHENA 2001 for the book "Protection of buildings against biological corrosion" (2002)
- Team prize for scientific achievements, HM Rector of Warsaw University of Life Sciences – SGGW (1985)
- 1st degree time prize for scientific achievements, HM Rector of Warsaw University of Life Sciences – SGGW (1991)
- 2nd degree individual prize for scientific achievements, HM Rector of Warsaw University of Life Sciences – SGGW (1992)
- 1st degree individual prize for organizational achievements, HM Rector of Warsaw University of Life Sciences – SGGW (2003)
- 1st degree individual prize for organizational achievements, HM Rector of Warsaw University of Life Sciences – SGGW (2004)
- 1st degree individual prize for organizational achievements, HM Rector of Warsaw University of Life Sciences – SGGW (2005)
- 2nd degree individual prize for scientific achievements, HM Rector of Warsaw University of Life Sciences – SGGW (2010)
- 1st degree individual prize for organizational achievements, HM Rector of Warsaw University of Life Sciences – SGGW (2013)
- 1st degree individual prize for organizational achievements, HM Rector of Warsaw University of Life Sciences – SGGW (2014)
- 1st degree individual prize for organizational achievements, HM Rector of Warsaw University of Life Sciences – SGGW (2015)
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- 1st degree individual prize for organizational achievements, HM Rector of Warsaw University of Life Sciences – SGGW (2017)
- 1st degree individual prize for organizational achievements, HM Rector of Warsaw University of Life Sciences – SGGW (2018)
- 1st degree individual prize for organizational achievements , HM Rector of Warsaw University of Life Sciences – SGGW (2019)
- 3rd degree individual prize for organizational achievements, HM Rector of Warsaw University of Life Sciences – SGGW (2020)
- 3rd degree individual prize for organizational achievements, HM Rector of Warsaw University of Life Sciences – SGGW (2021)
- Medal of the National Education Commission (2020)
- Silver medal for an innovative method of obtaining new biocidal active materials. (Targi EUREKA) The Belgian and International Trade Fair for Technological Innovation (2007 , Brussels, Belgium)
- Diploma of the Minister of Science and Higher Education for the project called "Method of obtaining new biocidally active materials" (2008)
- Honorary Badge for services to WULS-SGGW (2007)
- Golden Badge with a Diamond - Merit for the Polish Association of Construction Mycologists in Wrocław (2015)

Implementations, patents:

- Patent nr P.197165 (2008): Method for obtaining new biocidally active materials. (Cooperation with the Institute of Nuclear Chemistry and Technology, Warsaw)
- Patent nr P.202528 (2009): Product for comprehensive wood protection (implemented by ICOPAL SA - Zduńska Wola)
- Patent nr P.408842 (2019): A method of producing a reinforced wood-based board
- Patent Application P-322 011 (1997): Fungicides, especially for wood, plaster and other materials
- Patent Application P-350 507 (2001): A product for the protection of wood and wood-based materials against biological corrosion.
- Patent Application P-378973 (2006): A multifunctional wood preservative.

Cooperation:

- ENSTIB, l'Université de Lorraine, Epinal, France
- Universiti Putra Malaysia (Malaysia)
- Technical University in Zvolen (Slovakia)
- Polish Academy of Sciences
- Building Research Institute, Warsaw (ITB)
- Łukasiewicz Research Network - Wood Technology Institute
- Institute of Nuclear Chemistry and Technology, Warsaw
- Poznań University of Life Sciences,
- Academy of Fine Arts in Warsaw
- Warsaw University of Technology
- Krzysztof Kluk Agricultural Museum in Ciechanowiec
- National Museum in Warsaw
- Polish Association of Construction Mycologists in Wrocław,
- The Office for Registration of Medicinal Products, Medical Devices and Biocidal Products, Warsaw
- Polish Committee for Standardization (PKN)

RESEARCH OFFER AND EXPERT ASSESSMENTS

- complaints and expert opinions on the quality of impregnated wood products and the quality of impregnation of wood and wooden structures
- opinions on innovation in the field of methods and technologies in wood protection
- assessments and comparative analyzes of the properties of wood and wood-based materials in terms of resistance to destructive factors
- mycological expertise for the construction industry

SELECTED PUBLICATIONS FROM LAST 6 YEARS:

ORCID: 0000-0001-8716-1488

1 Betlej Izabela, Barlak Marek, Krajewski Krzysztof, Andres Bogusław, Werner Zbigniew, Jankowska Agnieszka, Zakaria Sarani, Boruszewski Piotr: Effect of Cu, Zn and Ag Ion Implantation on the Surface Modification of Bacterial Cellulose Films, Coatings, vol. 13, nr 2, 2023, Numer artykułu: 254, s. 1-12, DOI:10.3390/coatings13020254, 100 punktów, IF(2,33)

2 Betlej Izabela, Andres Bogusław, Krajewski Krzysztof, Kiełtyka-Dadasiewicz Anna, Szadkowska Dominika, Zawadzki Janusz: Effect of Various Mentha sp. Extracts on the Growth of Trichoderma viride and Chaetomium globusom on Agar Medium and Pine Wood, Diversity, Multidisciplinary Digital Publishing Institute (MDPI), vol. 15, nr 2, 2023, Numer artykułu: 152, s. 1-17, DOI:10.3390/d15020152, 70 punktów, IF(3,031)

3 Andres Bogusław, Krajewski Krzysztof, Betlej Izabela: Diversity of indoor wood decaying fungi in Poland, Bioresources, vol. 17, nr 3, 2022, s. 4856-4869, DOI:10.15376/biores.17.3.4856-4869, 100 punktów, IF(1,409)

4 Betlej Izabela, Antczak Andrzej, Szadkowski Jan, Drożdżek Michał, Krajewski Krzysztof, Radomski Andrzej, Zawadzki Janusz, Borysiak Sławomir: Evaluation of the Hydrolysis Efficiency of Bacterial Cellulose

Gel Film after the Liquid Hot Water and Steam Explosion Pretreatments, Polymers, vol. 14, nr 10, 2022, Numer artykułu: 2032, s. 1-11, DOI:10.3390/polym14102032, 100 punktów, IF(4,967)

5 Betlej Izabela, Salerno-Kochan Renata, Borysiuk Piotr, Boruszewski Piotr, Monder Sławomir, Krajewski Krzysztof, Andres Bogusław, Krochmal-Marczak Barbara, Pisulewska Elżbieta, Danecki Leszek: Quality Parameters of PE–Pomace Based Membranes, Membranes, MDPI AG, vol. 12, 2022, Numer artykułu: 1086, s. 1-13, DOI:10.3390/membranes12111086, łączna liczba autorów: *11*, 100 punktów, IF(4,562)

6 Borysiuk Piotr, Krajewski Krzysztof, Auriga Alicja, Auriga Radosław, Betlej Izabela, Rybak Katarzyna, Nowacka Małgorzata, Boruszewski Piotr: PLA Biocomposites: Evaluation of Resistance to Mold, Polymers, vol. 14, nr 1, 2022, Numer artykułu: 157, s. 1-12, DOI:10.3390/polym14010157, 100 punktów, IF(4,967)

7 Andres Bogusław, Krajewski Krzysztof, Betlej Izabela: Klasyfikacja grzybów domowych w świetle badań nad różnorodnością czynników biodegradacji drewna w budynkach, W: Ochrona budynków przed wilgocią, korozją biologiczną i ogniem / Skowroński Wojciech (red.), vol. 16, 2022, Oficyna Wydawnicza Politechniki Wrocławskiej, ISBN 978-83-7493-208-0, s. 15-22, 20 punktów

8 Andres Bogusław, Krajewski Krzysztof, Betlej Izabela: Wyniki badań ankietowych różnorodności gatunkowej grzybów powodujących biodegradację drewna w budynkach w Polsce, W: Ochrona budynków przed wilgocią, korozją biologiczną i ogniem / Skowroński Wojciech (red.), vol. 16, 2022, Oficyna Wydawnicza Politechniki Wrocławskiej, ISBN 978-83-7493-208-0, s. 23-34, 20 punktów

9 Betlej Izabela, Zakaria Sarani, Krajewski Krzysztof, Boruszewski Piotr: Bacterial Cellulose - Properties and Its Potential Application (Bakteria Selulosa - Sifat dan Keupayaan Aplikasi), Sains Malaysiana, vol. 50, nr 2, 2021, s. 493-505, DOI:10.17576/jsm-2021-5002-20, 40 punktów, IF(0,643)

10 Betlej Izabela, Andres Bogusław, Szadkowska Dominika, Krajewski Krzysztof, Aleksandra Ościłowska: Fungicidal Properties of the Medium from SCOBY Microorganism Cultivationin Saturated Wood against Coniophora puteana Fungus, Bioresources, vol. 16, nr 1, 2021, s. 1287-1295, DOI:10.15376/biores.16.1.1287-1295, 100 punktów, IF(1,409)

11 Betlej Izabela, Boruszewski Piotr, Dubis Damian, Wilkowski Jacek, Krajewski Krzysztof, Zawadzki Janusz: Influence of SCOBY Microorganisms' Cultivation Conditions on the Synthesis Efficiency and Selected Qualities of Bacterial Cellulose, Bioresources, vol. 16, nr 3, 2021, s. 6147-6158, DOI:10.15376/biores.16.3.6147-6158, 100 punktów, IF(1,409)

12 Betlej Izabela, Salerno-Kochan Renata, Jankowska Agnieszka, Krajewski Krzysztof, Wilkowski Jacek, Rybak Katarzyna, Nowacka Małgorzata, Boruszewski Piotr: The Impact of the Mechanical Modification of Bacterial Cellulose Films on Selected Quality Parameters, Coatings, vol. 11, nr 11, 2021, Numer artykułu: 1275, s. 1-12, DOI:10.3390/coatings11111275, 100 punktów, IF(2,33)

13 Betlej Izabela, Krajewski Krzysztof, Borysiuk Piotr: An assessment of the susceptibility of bacterial cellulose films to fouling by mold fungi, Annals of Warsaw University of Life Sciences - SGGW Forestry and Wood Technology, Warsaw University of Life Sciences Press, vol. 110, 2020, s. 103-109, DOI:10.5604/01.3001.0014.5235, 40 punktów

14 Betlej Izabela, Andres Bogusław, Krajewski Krzysztof: Evaluation of Fungicidal Effects of Post-culture Medium of Selected Mold Fungi and Bacteria in Relation to Basidiomycetes Fungi, Causing Wood Destruction, Bioresources, vol. 15, nr 2, 2020, s. 2471-2482, DOI:10.15376/biores.15.2.2471-2482, 100 punktów, IF(1,409)

15 Betlej Izabela, Salerno-Kochan Renata, Krajewski Krzysztof, Zawadzki Janusz, Boruszewski Piotr: The Influence of Culture Medium Components on the Physical and Mechanical Properties of Cellulose Synthesized by Kombucha Microorganisms, Bioresources, vol. 15, nr 2, 2020, s. 3125-3135, DOI:10.15376/biores.15.2.3125-3135, 100 punktów, IF(1,409)

16 Borysiuk Piotr, Wilkowski Jacek, Krajewski Krzysztof, Auriga Radosław, Skomorucha Adrian, Auriga Alicja: Selected Properties of Flat-Pressed Wood-Polymer Composites for High Humidity Conditions, Bioresources, vol. 15, nr 3, 2020, s. 5141-5155, 100 punktów, IF(1,409)

17 Betlej Izabela, Krajewski Krzysztof, Andres Bogusław: Właściwości antyoksydacyjne folii celulozowej pozyskanej z hodowli mikroorganizmów syntetyzujących celulozę , W: Ekologiczne i środowiskowe aspekty

towaroznawstwa jako nauki o jakości / Śmiechowska Maria (red.), 2020, Uniwersytet Morski w Gdyni, ISBN 978-83-7421-345-5, s. 5-14, 20 punktów

18 Betlej Izabela, Krajewski Krzysztof: Bacterial cellulose synthesis by Kombucha microorganisms on a medium with a variable composition of nutrients, Annals of Warsaw University of Life Sciences - SGGW Forestry and Wood Technology, Warsaw University of Life Sciences Press, nr 108, 2019, s. 53-57, DOI:10.5604/01.3001.0013.7681, 40 punktów

19 Buzala Kamila Przybysz, Kalinowska Halina, Małachowska Edyta, Boruszewski Piotr, Krajewski Krzysztof, Przybysz Piotr: The effect of lignin content in birch and beech kraft cellulosic pulps on simple sugar yields from the enzymatic hydrolysis of cellulose, Energies, vol. 12, nr 15, 2019, Numer artykułu: 2952, s. 1-12, DOI:10.3390/en12152952, 140 punktów, IF(2,702)

20 Koryciński Wojciech, Krajewski Krzysztof, Kozakiewicz Paweł: Resistograph investigation of Scots pine wood utility poles in the State Museum at Majdanek, Annals of Warsaw University of Life Sciences - SGGW Forestry and Wood Technology, Warsaw University of Life Sciences Press, nr 108, 2019, s. 58-67, DOI:10.5604/01.3001.0013.7682, 40 punktów

21 Andres Bogusław, Krajewski Krzysztof, Betlej Izabela: Różnorodność gatunkowa grzybów Basidiomycota powodujących biodeteriorację drewna w budynkach, W: Ochrona budynków przed wilgocią, korozją biologiczną i ogniem :praca zbiorowa / Skowroński Wojciech (red.), Monografia - Polskie Stowarzyszenie Mykologów Budownictwa, vol. T. 15, 2019, Politechnika Wrocławska, ISBN 978-83-7493-095-6, s. 29-39, 20 punktów

22 Betlej Izabela, Krajewski Krzysztof, Andres Bogusław: Produkty biobójcze przeznaczone dla budownictwa w aspekcie aktualnych wymagań prawnych, W: Ochrona budynków przed wilgocią, korozją biologiczną i ogniem :praca zbiorowa / Skowroński Wojciech (red.), Monografia - Polskie Stowarzyszenie Mykologów Budownictwa, vol. T. 15, 2019, Politechnika Wrocławska, ISBN 978-83-7493-095-6, s. 41-49, 20 punktów

23 Akus-Szylberg Florentyna, Antczak Andrzej, Bytner Olga, Radomski Andrzej, Krajewski Krzysztof, Zawadzki Janusz: The effect of pre-treatment of corn stover with liquid hot water on its chemical composition and enzymatic hydrolysis, Przemysł Chemiczny, Wydawnictwo SIGMA - N O T Sp. z o.o., vol. 97, nr 11, 2018, s. 1866-1869, DOI:10.15199/62.2018.11.10, 15 punktów, IF(0,428)

24 Akus-Szylberg Florentyna, Antczak Andrzej, Bytner Olga, Krajewski Krzysztof, Zawadzki Janusz: The study of chemical composition of corn stover as a potential lignocellulosic feedstock for bioethanol production, Annals of Warsaw University of Life Sciences - SGGW Forestry and Wood Technology, Warsaw University of Life Sciences Press, nr 104, 2018, s. 386-389, 10 punktów

25 Borysiuk Piotr, Krajewski Krzysztof: Influence of pine wood impregnation with natural linseed oil on its modulus of elasticity, Annals of Warsaw University of Life Sciences - SGGW Forestry and Wood Technology, Warsaw University of Life Sciences Press, nr 104, 2018, s. 123-129, 10 punktów

26 Mróz Agnieszka, Ratajczak Katarzyna, Zatoń Patrycja, Krajewski Krzysztof: Cellulose diversity in trees and its impact on properties of wood - state of the art, Annals of Warsaw University of Life Sciences - SGGW Forestry and Wood Technology, Warsaw University of Life Sciences Press, vol. 102, 2018, s. 90-96, 10 punktów

27 Mróz Agnieszka, Akus-Szylberg Florentyna, Krajewski Krzysztof, Rębkowski Bartłomiej: Dynamics of Pine wood (Pinus sylvestris L.) mass changes during drying process after linseed oil vacuum impregnation, Annals of Warsaw University of Life Sciences - SGGW Forestry and Wood Technology, Warsaw University of Life Sciences Press, nr 101, 2018, s. 205-210, 10 punktów

28 Padzil Farah, Ariffin Hidayah, Zakaria Sarani, Boruszewski Piotr, Krajewski Krzysztof, Mamiński Mariusz: Effect of poplar cultivar “Hybrid 275” fiber impregnation with 1,3-dimethylol-4,5-dihydroxyethyleneurea on the properties of high density fiberboards, Bioresources, vol. 13, nr 4, 2018, s. 7470-7480, DOI:10.15376/biores.13.4.7470-7480, 40 punktów, IF(1,396)

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