



**Prof. D.Sc. Adam Krajewski**

### CONTACT

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### EDUCATION

Occupational titles and science degrees	Date (year)	Institution
<b>Master engineer</b> of Forestry	1977	Faculty of Forestry Warsaw University of Life Sciences - SGGW
<b>Doctor</b> of technical sciences in field of wood technology	2001	Faculty of Wood Technology Warsaw University of Life Sciences - SGGW
<b>Doctor (habilitation)</b> of forest sciences	1988	Faculty of Forestry Warsaw University of Life Sciences - SGGW
<b>Profesor</b> of forest sciences	2009	Faculty of Wood Technology Warsaw University of Life Sciences - SGGW

### PROFESIONAL COMPETENCE

Position	Date (year)	Institution
assistant	1977 - 1982	<b>Instytut Badawczy Leśnictwa</b>
team leader	1982 - 1989	<b>PP Pracowni Konserwacji Zabytków, Oddz. Badań i Konserwacji</b>
chief specialist for wood architecture	1990 - 1995	<b>Fundacja Ochrony Zabytków</b>
from assistant to professor	1996	Faculty of Wood Technology <b>Warsaw University of Life Sciences - SGGW</b>

Additional information:

- Scientific practice in **Finland**, 1980;
- Conservation work in Tallinn (**Estonia**), 1996;
- Scientific and conservation works in Cairo (**Egypt**), 1996;
- Scientific and conservation works in Hue (**Vietnam**), 1996.

### SELECTED CURRENT FUNCTIONS

- Member of Discipline Advice
- Board of Reviewers of Annals of Warsaw University of Life Sciences – SGGW, Forestry and Wood Technology.

### DIDACTIC

- the lectures: biodeterioration of wood, biodeterioration of wood materials and non wood materials, Conservation of wood artifacts, Problems of waterlogged wood conservation, Conservation of wood, Protection of wood materials in furniture, Biological test of furniture materials, Seminars,
- author and co-author of handbooks, course books, monographs, e.g.:

Ochrona drewna, Wydawnictwo SGGW, Warszawa 2003,  
Ochrona drewna – surowca i materiału, Wydawnictwo SGGW, Warszawa 2005 i 2016,  
Ochrona budynków przed korozją biologiczną. Rozdz. 5. Owady- szkodniki drewna budowlanego, ARKADY, Warszawa 2001  
Przewodnik do ćwiczeń z ochrony i konserwacji drewna, Wydawnictwo SGGW, Warszawa 2008  
Ochrona przed wilgocią i korozją biologiczną w budownictwie (Poradnik). Rozdział 7. Owady jako szkodniki drewna budowlanego, GRUPA MEDIUM, Warszawa 2014

## SCIENCE

### Science research:

- physical methods of wood boring insects control;
- chemical wood protection against wood boring insects insects;
- instrumental methods for detecting xylophagous insects in; trophic conditions for termite feeding;
- species composition and properties of naturally aged wood in Polish historic architecture.

### Research projects:

#### a) after realization

- 3 P06L 035 25 Ocena metod detekcji czynników biokorozji drewna i oznaczania stanu zachowania zaatakowanego drewna
- N N309 297834 Opracowanie elektroakustycznej metody wykrywania ksylofagicznych owadów niszczących drewniane konstrukcje i wyroby
- 504-06260016 Ochrona drewna konstrukcyjnego zabytków sakralnej architektury Mazowsza przed ksylofagicznymi owadami

#### b) in realization

- Further research of the AE method in informal teams with the participation of the institutions listed below (PAN Committee award for 2018).

### Cooperation:

- Warsaw University of Technology;
- Faculty of Biology, Warsaw University of Life Sciences – SGGW.

## RESEARCH OFFER AND EXPERT ASSESSMENTS

- identifying wood-destroying insect species (also in historic buildings) and determining the scale of danger for wooden structures,
- identifying of wood species in historic structures,
- laboratory tests of materials resistance to destruction by soil termites.

## SELECTED SCIENCE PUBLICATIONS FROM LAST YEARS:

**ORCID: 0000-0002-6009-6441**

### 2021

Krajewski A., Witomski P. 2021: The natural resistance of the yew wood (*Taxus baccata* L.) to destruction by *Reticulitermes lucifugus* var. *santonensis* de Feytaud), Sylwan, 165 (11), 773–778, <https://doi.org/10.26202/sylwan.2021078>

Krajewski A., Bilski P., Witomski P. 2021: Możliwość żerowania larw wyschlika grzebykorożnego (*Ptilinus pectinicornis* L.) w bielu sosny zwyczajnej (*Pinus sylvestris* L.). Sylwan, 165 (6): 463–469.

Krajewski A., Witomski P., Oleksiewicz A. 2021: The subjectivity of estimation of natural wood resistance to destruction by termites based on visual qualification in laboratory tests, Drewno, Vol. 64, No. 207, 159 – 166, DOI: 10.12841/wood.1644-3985.325.02

### 2020

Adam Krajewski, Piotr Bilski, Piotr Witomski, Piotr Bobiński, Jakub Guz 2020: The progress in the research of AE detection method of old house borer larvae (*Hylotrupes bajulus* L.) in wooden structures, Construction & Building Materials, 256 (2020) 119387

Adam Krajewski, Paweł Kozakiewicz, Piotr Witomski 2020: Comparison of selected properties of natural aged wood and fresh cut timber of *Pinus sylvestris* L. investigated using standard methods and measuring of transition speed of ultrasounds along the fiber. *Wood Research*, 65(3), 405-414

### 2019

Adam Krajewski, Paweł Kozakiewicz, Piotr Witomski, Anna Oleksiewicz 2019: Naturalna odporność drewna *Erythrophleum fordii* Oliver i *Hopea pierrei* Hance na niszczenie przez *Reticulitermes lucifugus* var. *santonensis* de Feytaud), *Sylwan* 163(8), 685-693

Krajewski Adam, Witomski Piotr, Oleksiewicz Anna 2019: The impact of relative air humidity on *Lyctus brunneus* beetles life length, *Drewno. Prace Naukowe, Doniesienia, Komunikaty*, Vol.62, No 204, 147 – 156, DOI. 10.12841/wood.1644-3985.293.11

### 2018

Wójcik A., Krajewski A. 2018: Preliminary research on mortality of wood destroying Anobiidae (Coleoptera) following the application of p-dichlorobenzene in combination with low oxygen atmosphere fumigation, *Polish Journal of Entomology*, Vol. 87, 141 – 151, DOI: 10.2478/pjen-2018-0010

### 2017

Nowakowska Magdalena; Krajewski Adam; Piotr Witomski, Piotr Bobiński 2017: Thermic limitation of AE detection method of old house borer larvae (*Hylotrupes bajulus* L.) in wooden structures, *Construction & Building Materials*, 136 (2017), 446 – 449

Bilski Piotr, Bobiński Piotr, Krajewski Adam, Witomski Piotr 2017: Detection of woodworms' larvae based on the acoustic signal analysis and the artificial intelligence algorithm, *Archives of Acoustics*, Vol.42, No. 1, 61-70

Magdalena Nowakowska, Adam Krajewski, Piotr Witomski 2017: The relationship between the masses of old house borer larvae (*Hylotrupes bajulus* L.) and their lengths measured on radiograph, *Drewno. Prace Naukowe, Doniesienia, Komunikaty*, Vol. 60 No199, 81 - 88, No 199, DOI: 10.12841/wood. 1644-3985.201.xx

### 2016

Krajewski A., Kozakiewicz P., Witomski P., 2016: Shear strength of Scots pine (*Pinus sylvestris* L.) from the historical buildings. *Wood Research* 61 (5): 845-850.

Krajewski A., Witomski, P. Kotarbiński Sz. 2016: Susceptibility of hornbeam and Scots pine woods to destruction by the subterranean termite *Reticulitermes lucifugus* Rossi, 1792 (Blattodea: Isoptera), *Polish Journal of Entomology*, Vol. 85: 409 – 417, DOI: 10.1515/pjen-2016-0025

### 2015

Krajewski A., Lisiecka E., Drożdżek M., Witomski P. 2015: The susceptibility of neolithic waterlogged beech wood (*Fagus sylvatica* L.) to destruction by *Reticulitermes lucifugus* Rossi, *Drewno. Prace Naukowe, Doniesienia, Komunikaty*, Vol. 58, No 195, 59 – 68, DOI: 10.12841/wood. 1644-3985.113.05

### 2014

Witomski P., Krajewski A., Kozakiewicz P., 2014: Selected mechanical properties of scots pine wood from antique churches of Central Poland. *European Journal of Wood and Wood Products* (2014) 72:293-296. – <http://link.springer.com/article/10.1007/s00107-014-0783-y/fulltext.htm>

Wójcik A., Krajewski A., Radomski A. 2014: Controlling of wood destroying Anobiidae using para-dichlorobenzene in aerobic atmosphere, *Wood Research*, 59 (2), 219 -228

### 2013

Wójcik A., Krajewski A., 2013: Effets du p-dichlorobenzène, à l'état gazeux, sur les différents stades de développement du *Tenebrio molitor* L. (en milieu contenant de l'oxygène ou à faible teneur en oxygène), *Entomologia Generalis*, 34 (4), 269 – 277

