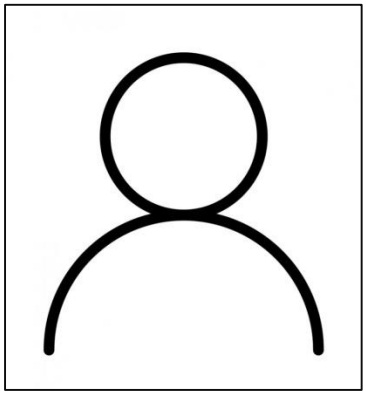
***Name and title*:** Bartłomiej Bednarz, PhD, DSc. Eng.



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Consultation hours: Friday 11:00 a.m. – 15:00 p.m.

Research interest:

- Forest protection, fire prevention,

- Biology and ecology of forest pest insects,

- Effects of biotic and abiotic environmental factors on trees and stand health,

- Effects of environmental factors on the radial growth of trees,

- Dendrochronological dating of wooden art and architecture.

Research experience:

Visiting Scholar

Postgraduate study: Faculty of Forestry, Eidgenössische Technische Hochschule Zürich (ETH), Switzerland (1993–1994).

Research internship: Faculty of Forestry, Norwegian University of Life Sciences (NLH) in Ås, Norway (1996–1997).

Postgraduate course: Human Resources Management at the Faculty of Management and Social Communication, Jagiellonian University in Cracow, program: Management and Marketing (2000-2001).

Postgraduate course: Pedagogical Studies for University Graduates at the Cracow University of Technology; Psychology and Pedagogy Center (2001-2002).

DSc, (Habilitation): Habilitation in agricultural sciences, field of forestry, specialization: forest protection, entomology; Faculty of Forestry, University of Agriculture in Krakow (2019). Title of habilitation dissertation: Electromagnetic radiation as a factor stimulating *Ips typographus* (L.) and *Pityogenes chalcographus* (L.) (Col., Curculionidae, Scolytinae) attraction to pheromone-baited traps.

PhD: PhD in forest sciences, field of forestry, specialization: forest protection; Faculty of Forestry, Academy of Agriculture in Cracow (2003). Title of doctoral dissertation:
"The effects of lightning on damage to forests in southern Poland.".

MSc: MSc in forestry; Faculty of Forestry, Academy of Agriculture in Cracow (1993). Title of master's thesis: "Analysis of the quality of seeds from selected tree and shrub species growing in the Botanical Garden of the Jagiellonian University in Cracow".

Professional profiles:

ORCID: https://orcid.org/0000-0001-7909-174X
Research Gate: https://www.researchgate.net/profile/Bartlomiej_Bednarz

List of chosen publications:

Błońska E., Bednarz B., Kacprzyk M., Piaszczy W., Lasot J. 2020. Effect of Scots pine forest management on soil properties and carabid beetle occurrence under post-fire environmental conditions - a case study from Central Europe. Forest Ecosystems,7(28):1-12.

Bednarz B., Kotlarski R., Pilarz K., Staszyk R. 2019. Electromagnetic radiation as a factor stimulating *Ips typographus* (L.) and *Pityogenes chalcographus* (L.) (Col., Curculionidae, Scolytinae) attraction to pheromone-baited traps. Publishing House of the University of Agriculture in Krakow. ISBN 978-83-64758-78-2.

Kowalski T., Kraj W., Bednarz B., Rossa R. 2018. The association of *Boeremia lilacis* with necrotic lesions on shoots and leaf petioles and its pathogenicity towards *Fraxinus excelsior*. European Journal of Plant Pathology. https://doi.org/10.1007/s10658-019-01715-0.

Hawryło P., Bednarz B., Wężyk P. Szostak M. 2018. Estimating defoliation of Scots pine stands using machine learning methods and vegetation indices of Sentinel-2. European Journal of Remote Sensing 51(1): 194-204.

Kowalski T., Bednarz B. 2017. *Eutypella parasitica* – nowy patogen powodujący raki na pniach klonów (*Acer* spp.) w Polsce. Sylwan 161 (8): 630−638.

Kowalski T., Kraj W., Bednarz B. 2016. Fungi on stems and twigs in initial and advanced stages of dieback of European ash (*Fraxinus excelsior*) in Poland. European Journal of Forest Research 135: 565-579.

Kacprzyk M., Bednarz B. 2015. The Possibilities of six-toothed bark beetle (*Pityogenes chalcographus* L.) (Coleoptera: Scolytinae) sex identification based on adults' biometric characteristic. Journal of the Entomological Research Society 17(1): 71-82.

Kacprzyk M., Bednarz B., Kuźnik E. 2014. Dead trees in beech stands of the Bieszczady National Park: quantitative and qualitative structure and associated macrofungi. Applied Ecology and Environmental Research, 12(2): 325-344.

Kacprzyk M., Bednarz B. 2014. The occurrence of bark beetles on cut Norway spruce branches left in managed stands relative to the foliage and woody area of the branch. Journal of Forest Research, DOI 10.1007/s10310-014-0449-y.

Bednarz B., Kacprzyk M. 2012. An Innovative Method for Sex Determination of the European Spruce Bark Beetle *Ips typographus* (Coleoptera: Scolytinae). Entomologia Generalis, 34(1-2): 111-118.

Bednarz B., Kacprzyk M., Cebrat R. 2011. The influence of rich odours on bark beetles infestation of trap-trees in spruce (*Picea abies* L. Karst) stands. Sylwan, 155 (3): 179 - 187.

Bednarz B., Scheffler M. 2008. Effect of horse-chestnut leaf-miner (*Cameraria ohridella* Deschka & Dimic) outbreak on tree-ring widths of white horse-chestnut (*Aesculus hippocastanum* L.). Sylwan, 7:53-66.

Grochalski P., Bednarz B. 2019. Wpływ kolonii lęgowej kormorana czarnego (*Phalacrocorax carbo* L.) na przyrost radialny sosny zwyczajnej (*Pinus sylvestris* L.) w rezerwacie przyrody Kąty Rybackie. (The impact of breeding cormorants' colonies (*Phalacrocorax carbo* L.) on radial increments of Scotch pine (*Pinus sylvestris* L.) in Kąty Rybackie nature reserve). Acta Sci. Pol. Silv. Colendar. Ratio Ind. Lignar. 18(1): 23–30. DOI: http://dx.doi.org/10.17306/ J.AFW.2019.1.3.

Bednarz B., Drożdż M. 2018. Wpływ raka jodły (*Melampsorella caryophyllacearum* (DC.) Schröt.) na szerokość pierścieni drewna jodły pospolitej *Abies alba* Mill.. (The effect of fir cancer (*Melampsorella caryophyllacearum* (DC.) Schröt.) on the silver fir tree-ring widths). Acta Sci. Pol. Silv. Colendar. Ratio Ind. Lignar. 17(3): 251–256.

Bukowiec B., Bednarz B. 2017. Wpływ jemioły pospolitej jodłowej (*Viscum album* L. ssp. *abietis*) na przyrosty roczne jodły pospolitej (*Abies alba*). (Effect of common fir-tree mistletoe (*Viscum album* ssp. *abietis*) on tree-ring widths of silver fir (*Abies alba*)). Acta Sci. Pol. Silv. Colendar. Ratio Ind. Lignar. 16(2): 77–83.

Kowalski F., Bednarz B., 2012. Chronologie słojów rocznych jesionów wyniosłych (*Fraxinus excelsior* L.) z objawami defoliacji spowodowanej przez grzyba *Chalara fraxinea* w Nadleśnictwie Białowieża. (Tree ring chronologies of common ash (*Fraxinus excelsior* L.) with symptoms of defoliation as a result of *Chalara fraxinea* infection in Białowieża Forest District). EPISTEME. Czasopismo Naukowo-Kulturalne, nr 15:337-344.