

Coordinator PhD, DSc, Barbara Domagała



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Consultation hours: Monday 10.00-12.00

Research interest:

- **Medicinal Plants:**

Studying therapeutic properties and chemical compounds.
Exploring applications in traditional and modern medicine.

- **Natural Cosmetology:**

Researching eco-friendly cosmetic production.
Examining benefits of natural compounds in skincare.

- **Plant Extracts and Health:**

Investigating physiological effects on humans and animals.
Assessing safety and efficacy for pharmaceuticals and veterinary use.

- **Dietary Supplements:**

Researching formulation and efficacy.
Exploring the role of plant-derived supplements in human health.

- **Entomology:**

Studying insect biology, behavior, and ecological roles.
Exploring applications in agriculture and sustainability.

- **Interdisciplinary Approaches:**

Integrating botany, pharmacology, and chemistry for advanced research. Collaborating with cosmetic scientists and applying entomological insights.

Research experience:

- Project Executor of the NCBR LIDER XII project No. 0157/L-12/2020: Functional composite materials based on waste cooking oil for applications in public places and facilities with an elevated risk of

pathogen occurrence.

- Project Executor of the MRiRW scientific project No. 7013.

Professional profiles:

ORCID: 0000-0002-1908-1096 <https://orcid.org/0000-0002-1908-1096>

Research ID:

Mendeley:

Research Gate:

Academia:

Google Scholar:

LinkedIn: [\(17\) Barbara Domagała Ph.D. \(Biniaś\) | LinkedIn](#)

List of selected publications:

- Young Shoots of Red Beet and the Root at Full Maturity Inhibit Proliferation and Induce Apoptosis in Breast Cancer Cell Lines. *International Journal of Molecular Sciences*, 2023, Piasna-Słupecka E., Leszczyńska T., Drozdowska M., Dziadek K., Domagała B., Domagała D., Koronowicz A., 2023. 24(8):6889. IF=6.208.
- Mechanisms of anticancer activity of a fatty acid mixture extracted from hen egg yolks enriched in conjugated linoleic acid diene (CLA) against WM793 melanoma cells. 2021, Domagała D., Leszczyńska T., Koronowicz A., Domagała B., Drozdowska M., Piasna-Słupecka E., 2021. *Nutrients*, 2021, 13, 2348. IF=5.429.
- Growth and Chemical Composition of *Vicia faba* L. Intercropped with Insectary Plants. 2020. Gospodarek Janina, Domagała Barbara , Nadgórska-Socha Aleksandra, *Polish Journal of Environmental Studies*, vol. 29, nr 1, s.601-608. DOI:10.15244/pjoes/102375