

**Candidate supervisor's information summary form**  
maximum 2 pages – it should be a summary of most important achievements

Name and surname, degree, title: dr hab. Olga Kosakowska, prof. SGGW	
Academic discipline/disciplines	AGRICULTURE AND HORTICULTURE
Professional development (degrees and titles) in chronological order	MSc degree (2001) PhD in agricultural sciences (2006) Postdoctoral degree (habilitation) in agricultural sciences in the field of horticulture (2022)
Most important publications/ patents in the last 3 years (maximum 10)	The most important publications ( <b>2024-2026</b> ): <ol style="list-style-type: none"> <li>1. <b>Kosakowska, O.</b>; Węglarz, Z.; Żuchowska, A.; Styczyńska, S.; Zaraś, E.; Bączek, K. 2025. Intraspecific Variability of Wormwood (<i>Artemisia absinthium</i> L.) Occurring in Poland in Respect of Developmental and Chemical Traits. <i>Molecules</i>, 30, 2915.</li> <li>2. Raj, K.; Węglarz, Z.; Przybył, J.L.; <b>Kosakowska, O.</b>; Jędrzejuk A. Pawełczak A.; Gontar, Ł.; El-Ansari M.; Bączek K. 2025. Environmental and Developmental Aspects of the Accumulation of Terpenes in Common Valerian (<i>Valeriana officinalis</i> L.). In: Ramawat, K.G., Mérillon, JM. (eds) <i>Natural Products</i>. Springer, Berlin, Heidelberg. <a href="https://doi.org/10.1007/978-3-642-36202-6_239-1">https://doi.org/10.1007/978-3-642-36202-6_239-1</a></li> <li>3. Paduch-Cichal E.; Wakuliński, W.; Wilkos, A.; Bączek, K.; <b>Kosakowska, O.</b>; Węglarz, Z.; Mirzwa-Mróż E. 2025. A Preliminary Study of the Response of <i>Microcyclosporella mali</i> to Selected Essential Oils. <i>Molecules</i>, 30, 3122.</li> <li>4. <b>Kosakowska, O.</b>; Węglarz, Z.; Styczyńska, S.; Synowiec, A.; Gniewosz, M.; Bączek, K. Activity of Common Thyme (<i>Thymus vulgaris</i> L.), Greek Oregano (<i>Origanum vulgare</i> L. ssp. <i>hirtum</i>), and Common Oregano (<i>Origanum vulgare</i> L. ssp. <i>vulgare</i>) Essential Oils against Selected Phytopathogens. <i>Molecules</i> 2024, 29, 4617. <a href="https://doi.org/10.3390/molecules29194617">https://doi.org/10.3390/molecules29194617</a></li> <li>5. Raj, K.; Węglarz, Z.; Przybył, J.L.; <b>Kosakowska, O.</b>; Pawełczak, A.; Gontar, Ł.; Puchta-Jasinska, M.; Bączek, K. Chemical Diversity of Wild-Growing and Cultivated Common Valerian (<i>Valeriana officinalis</i> L. s.l.) Originating from Poland. <i>Molecules</i> 2024, 29, 112. <a href="https://doi.org/10.3390/molecules29010112">doi.org/10.3390/molecules29010112</a>.</li> </ol>
Experience in work with doctoral students (defended doctoral	Supervisor assistant of doctoral dissertation, defended in 2021 (supervisor of the thesis: dr hab. Katarzyna Bączek)

dissertations, initiated doctoral procedures) in chronological order	Izabela Szyborska-Sandhu. Developmental and chemical characteristics of bastard balm ( <i>Melittis melissophyllum</i> L.) in the conditions of its cultivation.
Achievements in the area of projects/grants (in the last 5 years)	<p><u>Manager of 4 projects:</u></p> <ul style="list-style-type: none"> <li>– 1 MRIRW project (2022)</li> <li>– 1 NCN project (Miniatura 3, 2020)</li> <li>– 2 projects in the frame of internal SGGW calls for young scientists (2011, 2012)</li> </ul> <p><u>Contractor in the following projects:</u></p> <ul style="list-style-type: none"> <li>– 1 NCBiR project (2007-2010 research and development project)</li> <li>– 1 PARP project (2018, research project)</li> <li>– 1 UE project (7th Frame Programme Regpot)</li> <li>– 1 KBN project (2005-2006, supervisor's project)</li> <li>– 2 implementation projects (KZL) commissioned by Herbapol Lublin</li> <li>– 16 projects commissioned by the Ministry of Agriculture and Rural Development (11 – in the field of organic farming, 1 -in the frame of biological progress in plant production, 3 - in the field of plant genetic resources protection)</li> </ul> <p>All above listed projects concern wild-growing and cultivated medicinal and aromatic plants.</p>
Subject area of the research project for which the candidate student is being recruited	Studies concerning the range of morphological, developmental and chemical variability of wild-growing and cultivated species of medicinal and aromatic plants, both native and foreign. Research will be focused on the impact of internal and external factors on the yield and quality of selected herbal raw materials, reflected in their chemical composition and biological activity. Studies will be carried out both on natural sites and in the cultivation. Chemical profile of examined raw materials will be determined by the usage of modern extraction and separation techniques. Undertaken investigations will be characterized by a scientific and practice value. Special attention will be paid on the usefulness of selected raw materials to apply in the phytopharmaceutical industry.
<p><u>Contact details:</u></p> <p>Institute</p> <p>E-mail address</p> <p>Telephone number</p>	<p>Warsaw University of Life Sciences – SGGW</p> <p>Institute of Horticultural Sciences</p> <p>Department of Vegetable and Medicinal Plants</p> <p>olga_kosakowska@sggw.edu.pl</p> <p>tel. 22 593 22 47</p>