

### Candidate supervisor's information summary form

Name and surname, degree, title: Joanna Bryś, dr hab. prof. SGGW	
Scientific discipline/ disciplines	Nutrition and food technology
Professional development (degrees and titles) in chronological order	<p>1. MSc. – 2001 - Field of study: Food Technology and Human Nutrition, Faculty of Food Technology, Warsaw University of Life Sciences</p> <p>2. Dr Eng. – 2005 - Faculty of Food Sciences, Warsaw University of Life Sciences</p> <p>3. Dr hab. Eng. – 2019 - in the field of agricultural sciences in the discipline of food and nutrition technology.</p>
Most important publications/ patents in the last 3 years (maximum 10)	<p>1. <b>Bryś J</b>, Stańczak A, Skwierczyńska A, Adamczuk U. Instrumental Evaluation of Selected Properties of Oil Extracted from Walnuts before and after the Roasting Process. <i>Biology and Life Sciences Forum</i>. 2023;26 (1):1–6. doi:10.3390/foods2023-15161</p> <p>2. Janowicz M, Kadzińska J, <b>Bryś J</b>, Ciużyńska A, Karwacka M, Galus S. Physical and Chemical Properties of Vegetable Films Based on Pumpkin Purée and Biopolymers of Plant and Animal Origin. <i>Molecules</i>. 2023;28:1–20. doi:10.3390/molecules28124626</p> <p>3. Bogusz R, <b>Bryś J</b>, Onopiuk A, Rybak K, Witrowa-Rajchert D, Nowacka M. Effect of Pulsed Electric Field Technology on the Composition and Bioactive Compounds of Black Soldier Fly Larvae Dried with Convective and Infrared–Convective Methods. <i>Molecules</i>. 2023;28:1–19. doi:10.3390/molecules28248121</p> <p>4. Brzezińska R, <b>Bryś J</b>, Giers O, Bryś A, Górka A, Ostrowska-Ligęza E, Wirkowska-Wojdyła M. Quality Evaluation of Plant Oil Blends Interesterified by Using Immobilized Rhizomucor miehei Lipase. <i>Applied Sciences-Basel</i>. 2022;12:1–14. doi:10.3390/app122111148</p> <p>Zielińska-Pukos M, <b>Bryś J</b>, Wesolowska A, Hamułka J. Breastmilk PUFA strongly associated with maternal dietary intake but not anthropometric parameters and breastmilk carotenoids. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i>. 2022;186:1–13. doi:10.1016/j.plefa.2022.102505</p> <p>5. Zielińska-Pukos M, <b>Bryś J</b>, Wesolowska A, Hamułka J. Breastmilk PUFA strongly associated with maternal dietary intake but not anthropometric parameters and breastmilk carotenoids. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i>. 2022;186:1–13. doi:10.1016/j.plefa.2022.102505</p> <p>6. <b>Bryś J</b>, Górka A, Ostrowska-Ligęza E, Wirkowska-Wojdyła M, Bryś A, Brzezińska R, Dolatowska-Żebrowska K, Małajowicz J, Ziarno M, Obranović M, i in. Human Milk Fat Substitutes from Lard and Hemp Seed Oil Mixtures. <i>Applied Sciences-Basel</i>. 2021;11:1–11. doi:10.3390/app11157014</p>

	<p>7. <b>Bryś J</b>, Obranović M, Repajić M, Kraljić K, Škevin D, Bryś A, Górska A, Ostrowska-Ligęza E, Wirkowska-Wojdyła M. Comparison of Different Methods of Extraction for Pomegranate Seeds. Proceedings. 2021;70:1–6. doi:10.3390/foods_2020-07657</p>
<p>Experience in work with doctoral students (defended doctoral dissertations, initiated doctoral programmes/procedures) in chronological order</p>	<ol style="list-style-type: none"> <li>1. Co-supervisor in the doctoral dissertation of Hanna Ciemniewska-Żytkiewicz. Programmes opening: 13.06.2014. Thesis defended with honors: 7.07.2016.</li> <li>2. Co-supervisor in the doctoral dissertation of Justyna Kadzińska. Programmes opening: 02.12.2017. Thesis defended: 26.10.2023</li> <li>3. Co-supervisor in the doctoral dissertation of Bharani Kumar Palani. Starting studies at the Doctoral School: 01.10.2022.</li> <li>4. Supervisor in the doctoral dissertation of Sina Makouei. Starting studies at the Doctoral School: 01.10.2023.</li> <li>5. Supervisor in the doctoral dissertation of Marta Siol. Starting studies at the Doctoral School: 01.10.2023.</li> </ol>
<p>Project/grants achievements (in the last 10 years)</p>	<ol style="list-style-type: none"> <li>1. Implementation of the project in the WITPOL company under the "Staż Sukcesem Naukowca" program. Implementation period: 1.04.2014 - 30.09.2014.</li> <li>2. Implementation of the project as part of Scholarship Found of Warsaw University of Life Sciences for PhD students and young academic teachers in Laboratory for Oil and Fat Technology, Department of Food Engineering, Faculty of Food Technology and Biotechnology, University of Zagreb. Implementation period: 25.06.2020- 25.09.2020.</li> </ol>
<p>Topic – research problem – for which the candidate supervisor seeks a doctoral student</p>	<p>The aim of the work will be, in the first stage, to develop the recipe composition of innovative products containing bioactive substances and by-products of the oil industry. In the second stage, the products obtained will be subject to qualitative analysis. The lipid fraction, which has a significant impact on the shelf life of food products, will be examined in detail. The work can be carried out in cooperation with a company dealing in the production of, among others, oils.</p>
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