Name and surname:	Agnieszka Nawirska-Olszanska
Academic Degree	dr hab. inż. (DSc.)
Institute/Department	Departament of Fruit Vegetable and Plant Nutraceutical Technology
e-mail address:	agnieszka nawirska dezaneka@unwr edu nl
	agnessita nawnska ofszanska wywn.edd.pr
	9417-7678
UPWr Base of Knowledge - link	<u>Agnieszka Nawirska-Olszańska (upwr.edu.pl)</u>
Researchgate:	https://www.researchgate.net/profile/Agnieszka Nawirska-Olszanska
Personal website / Working group website:	
Projects in last 5 years (chronological: with distinction	
inte DI (kierewnik) and DE (wakenewee));	
Into PI (kierownik) and RF (wykonawca)).	
Do you plan to engage support of second supervisor or	YES
auxiliary supervisor?	
	Auxiliary supervisor
Name and surname	Marta Czaplicka
Academic Degree	
Feaulty, Institute / Department	
Faculty, Institute/Department	Department of Horticulture
e-mail address:	marta.czaplicka@upwr.edu.pl
ORCID:	0001-6626-4568
UPWr Base of Knowledge - link or most important	
nublications from last 3 year (ICR) / natents from last 3	
publications from last 5 year (JCIX) / patents from last 5	Marte Czaplieke Dedziek (upur edu pl)
years (maximum 5):	
Researchgate:	https://www.researchgate.net/profile/Marta_Czaplicka2
Personal website / Working group website:	
	01.10.2019 - 30.08.2022 IQ GRAPE "Innovative technology for the production and bottling of grape wine and the method of
	production organization as factors for increasing the guality of locally produced wine products" Wrocław University of Environmental
	and Life Sciences: Eaculty of Life Sciences and Technology, Department of Hertiguiture, Institute of Economics, head - Dr. Temasz
	and the Sciences, Faculty of the Sciences and rechnology, bepartment of Horitculture, institute of Economics, head. Dr. Horitasz
	Pliawka, Dr. Marta Czaplicka-Pędzich amount: 4 700 000 PLN
Projects in last 5 years (chropological: with distinction	
	from 2019 Best4soil.eu - European project, financed under the Horyzont2020 funds, function: facilitor
Into PI (kierownik) and RF (wykonawca)):	
	01 10 2017 21 12 2020 "Hydrohov2.0" innovative technology supporting water soving and plant vegetation" Measure 4.1 "Research
	01.10.2017 - 51.12.2020 Hydrobox2.0 - Initiovative technology supporting water saving and plant vegetation measure 4.1 Research
	and development works", Sub-measure 4.1.4 "Application projects" Project no. POIR.04.01.04-00-0061 / 16 Project value: PLN 2 657
	500.73, including the maximum amount of funding for the University of Life Sciences in Wrocław: PLN 2 374 487.76.
	Function - performer
Research topic and funding	
1) PhD topic:	Influence of vacuum impregnation on the nutritional properties of selected fruit and vegetables dried with various methods
2) Research discipline in Doctoral School	Nutrition and Ecod Technology
	Number and Food Feelinelogy
	The proposed research will be aimed at developing a method that allows to obtain innovative, dried products based on selected
	vogetables. During preservation, the bioactive compounds contained in the rew material are biphy degraded. This unfavorable effect
	vegetables. During preservation, the bloadive compounds contained in the naw material are nightly degraded. This unitavirable elect
	can be significantly reduced by using a pre-treatment, which is vacuum impregnation. At the same time, it allows the addition of
	additional substances present in the impregnating liquid to the material. The composition of the impregnating liquid can be designed
	in such a way that, in addition to increasing the nutritional value, also favorable taste and aroma effects are obtained. The color of
(3) Short description of the research problem to be	draught water activity dray weight and king in a franky drating will be determined using instrumental methods. The main determinent
solved in the PhD:	drought, water activity, dry weight and kneuts of renydration will be determined using instrumental methods. The main determinant
	of the value of the obtained dried material will be the retained content of bioactive compounds and antioxidant activity. The obtained
	products will be subjected to a sensory analysis, taking into account the intensity of hardness, crunchiness, color, taste and smell.
	The aim of the research will be to assess the possibility of using the vacuum impregnation method to introduce into the tissue of kale
	The aim of the research will be to assess the possibility of using the vacuum inpregnation method to initioduce motion the usage of kale,
	broccoll and eggplants, ingredients derived from natural vegetable juices, problotics or microelements, and then fix the modified
	vegetables using a selected drying technique, ensuring a high degree of preservation of bioactive compounds
	The candidate is to have completed engineering and master's studies in biotechnology or food technology. He is to have fluent
4) Professional skills for PbD candidate (e.g. master	knowledge of computer programs: Word, Excel and statistical programs, eg Statistica, knowledge of English at B2 level. The
4) TOIESSIONAL SKIIS IOT THE CANDIDATE (E.G. MASTER	candidate is to know the basic analytical techniques in the field of drying, food analysis and organoleptic evaluation. The candidate is
program, specializations, softwares, language,	also supposed to have a background in working with high-class analytical equipment e.g. spectrophotometer HPIC A candidate for
analytical techniques):	also supposed to have a background in working with higher lass analytical equipment, e.g. specific photometer, m Eo. A candidate for
	a doctoral school is also expected to demonstrate diligence in the tasks performed, creativity, ability to cooperate in a team and
	commitment to research.
(5) Details of the project to support PhD research	
a) Designed titles	Study of the variability of the chemical composition, the content of bioactive compounds and the antioxidant activity of hybrid grape
a) Project title:	varieties
h) Agroomont number:	2000/20/0/NIZ0/00506
D) Agreement number.	
c) Number of months in the project to support PhD (in	36
Imonths: starting from 1st of October 2021):	