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- 199	Curriculum Vitae	Petra Matić
PERSONAL INFORMATION	Petra Matić	
	የ Franje Kuhača 18, 31000 Osijek	
	L +385 31 224 346	
	⋈ petra.matic@ptfos.hr	
	http://www.ptfos.unios.hr/index.php/zavodi-i-katedre/zavod-za-primijenjenu-kemiju-i	-
	ekologiju/nastavno-osoblje/petra-matic-dipl-ing	
	Sex Female Date of birth 22/5/1985	
RESEARCH DATABASES WOS	https://www.webofscience.com/wos/woscc/summary/b5458d27-61e9-49c3-a557-08b	925031d17-
ORCID	0105ca988a/relevance/1	20001411
SCOPUS	https://orcid.org/0000-0003-0804-1280 https://www-scopus-com.ezproxy.nsk.hr/authid/detail.uri?authorId=57200195198	
GOOGLE ZNALAC CROSBI/CRORIS	https://scholar.google.com/citations?user=GHG0cL4AAAAJ&oe=CP1251	
	https://croris.hr/crosbi/searchByContext/2/31960	
WORK EXPERIENCE		
22.9.2021.	Senior assistant Josip Juraj Strossmayer University of Osijek, Faculty of Food Technology Osijek	
3.3.201422.9.2021.	Assistant	
	Josip Juraj Strossmayer University of Osijek, Faculty of Food Technology Osijek	
9.04.2013. – 28.02.2014.	Laboratory - chemist Meggle d.o.o. Croatia	
1.05.2011. – 1.05.1012	Technologist probationer	
	Eurovoće Orahovica	
EDUCATION		
20142021.	PhD, Natural sciences, Chemistry	
2011.2021.	University of Zagreb, Faculty of Chemical Engineering and Technology,	
1.7.2010.	BSc, Food technology	
	Josip Juraj Strossmayer University of Osijek, Faculty of Food Technology Osijek	
RESEARCH INTERESTS	 Studies of adsorption processes. 	
	 Application of adsorption isotherms. 	
	Kinetics and thermodynamics of the adsorption process.	
	 Identification and quantification of compounds using HPLC and UV/Vis techniques. Studies of antioxidant activity. 	
	 Studies of the interactions of polyphenols and dietary fibers. 	
Organisational / managerial skills	Work on the polarization of the profession:	
	Member of the Science Festival co-organization team (2015, 2016, 2017),	
	Participation in the faculty presentation at the University Review (2015, 2016, 2017).	
	Reviewer in journals. Member of the Technical Editorial Board of the <i>Croatian Journal of Food Science and Te</i>	schoology
		ланноюду.
Editorial Board of Scientific	Member of the Technical Editorial Board of the Croatian Journal of Food Science and Te	echnology

Editorial Board of Scientific Member of the Technical Editorial Board of the Croatian Journal of Food Science and Technology Journals (since 2023. -)

Plenary invited talk "Phenolic compounds in the digestive system: their potential beneficial effects Talks and Invited Lectures and interactions with dietary fibers", 3rd Food Chemistry Conference, Shaping a Healthy and Sustainable Food Chain Through Knowledge, Dresden, Germany, 10.-12.10.2023., organizer Elsevier journal Food Chemistry. Electrochemical and spectrophotometric determination of total polyphenol content in Croatian ancient apple varieties,7th ISE Satellite Student Regional Symposium on Electrochemistry, Zagreb, Croatia, 7.7.2017. Adsorption of polyphenols from apples onto β-glucan, 9th International Scientific and Professional Conference "With food to health", Osijek, Croatia, 13.10.2016. Jakobek, L., Matić, P. (2019). Non-covalent dietary fiber - polyphenol interactions and their influence PUBLICATIONS on polyphenol bioaccessibility. Trends in Food Science & Technology, 83, 235-247. THE MOST RELEVANT Impact factor 15,3 PUBLICATIONS Jakobek, L., Ištuk, J., Matić, P., Skendrović Babojelić, M. (2021). Interactions of polyphenols from traditional apple varieties 'bobovac'. 'liepocvietka' and 'crvenka' with b-glucan during in vitro simulated digestion. Food Chemistry, 363, 130283. Impact factor 8.8 Jakobek, L., Pőc, K., Valenteković, M., Matić, P. (2024), The Behavior of Chlorogenic Acids from Apples during Simulated Gastrointestinal Digestion, Foods, 13, 693. Impact factor=4,7 Jakobek, L., Matić. P. (2024). Phenolic compounds from apples: From natural fruits to the beneficial effects in the digestive system. Molecules, 29(3), 568, 19. Impact factor 4,6 Jakobek, L., Strelec, I., Kenjerić, D., Šoher, L., Tomac, I., Matić, P. (2022). Simulated gastric and

Jakobek, L., Strelec, I., Kenjenc, D., Soner, L., Tomac, I., Matic, P. (2022). Simulated gastric and intestinal fluid electrolyte solutions as an environment for the adsorption of apple polyphenols onto β -Glucan. Molecules, 27(19), 6683, 14. Impact factor 4.6

Matić, P., Ukić, Š., Jakobek, L. (2024). Adsorption of Procyanidins B1 and B2 onto β-Glucan: Adsorption Isotherms and Thermodynamics. Adsorption 30, 1303-1313. Impact factor=3.0

Jakobek, L., Ištuk, J., Barron, A.R., Matić, P. (2023). Bioactive phenolic compounds from apples during simulated in vitro gastrointestinal digestion: kinetics of their release, Applied Sciences, 13, 8434 Impact factor=2,8

Matić, P., Ukić, Š., Jakobek, L. (2021). Interactions of phenolic acids and β -glucan: studies of adsorption isotherms and thermodynamics. Chemical and Biochemical Engineering Quarterly 35, 177-187. Impact factor =1,582

Matić, P., Sabljić, M., Jakobek, L. (2017). Validation of spectrophotometric methods for the determination of total polyphenols and total flavonoid content. Journal of AOAC International, 100, 6; 1795-1803.

Impact factor=1,087

Matić, P., Ukić, Š., Jakobek, L. (2022). The study of adsorption kinetics of flavan-3-ols, dihydrochalcones and anthocyanins onto barley β -glucan. Croatica Chemica Acta 2022, 95 (1), 7-13. Impact factor=0,7

Projects Participation on the project:

• project "Development of environmentally friendly materials: Biodegradable and active polymer film", funded by Adris Foundation (10.2023.–10.2024.)

• project "Potential of elderberry and aronia as raw materials for value added products on family farms in Osijek-Baranya County", funded by Osijek-Baranya County (12.2020.-12.2021.)

• project "Examination of important bioactive substances from agricultural products from the farms of Osijek-Baranjska County", funded by Osijek-Baranya County (12.2021-12.2022).

• project "Dihydrochalcones in old apple varieties", funded by Osijek-Baranya County (12.2018.-12. 2019.)

• research project IP-2016-06-6777 ", The influence of dietary fibers on polyphenol bioaccessibility by studying adsorption and simulated digestion processes, *in vitro*", funded by Croatian Science Foundation (1.3.2017. –28.2.2021.)

• project "Nutritional properties of old, neglected apple cultivars from Slavonia region, important for their preservation", funded by Adris Foundation (10.2015.-10.2016.)



Curriculum Vitae

Workshops How to publish your article in a research journal?" organized by the Faculty of Chemical Engineering and Technology. (January 29-30, 2016).

"Pedagogical competences" organized by the Faculty of Educational Sciences of Jurje Dobrila University in Pula. (February 14-18, 2022).

Honours and awards Diploma for winning a silver medal at the Third International Exhibition of Inventions, prototypes and business plans, 2007.