OSOBNE INFORMACIJE

MAJA MOLNAR

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Spol žensko | Datum rođenja 06/06/1980 | Državljanstvo hrvatsko

RADNO ISKUSTVO

2015./2018/2019 — Agencija za znanost i visoko obrazovanje
član stručnog povjerenstva za provođenje postupka reakreditacije (za reakreditaciju dva visoka učilišta u RH)

(ak.god.2017./2018.-) — Analitička kemija 1
Odjel za biologiju
Sveučilište Josipa Jurja Strossmayera

(ak.god. 2014./2015.-) — Opća kemija 2
Odjel za biologiju
Sveučilište Josipa Jurja Strossmayera

(ak.god. 2012./2013.-) — Opća i anorganska kemija - seminari
Odjel za biologiju
Sveučilište Josipa Jurja Strossmayera

(27.02.2018.- — Izvanredni profesor – Biotehničke znanosti
Prehrambeno – tehnološki fakultet Osijek
Katedra za kemiju i ekologiju

(22.09.2017. -) — Viši znanstveni suradnik – Biotehničke znanosti
Prehrambeno – tehnološki fakultet Osijek
Katedra za kemiju i ekologiju

(21.12.2012. – 27.02.2018.) — docent - Biotehničke znanosti
Prehrambeno – tehnološki fakultet Osijek
Katedra za kemiju i ekologiju

(04.05.2012. – 22.09.2017.) — znanstveni suradnik - Biotehničke znanosti
Prehrambeno – tehnološki fakultet Osijek
Katedra za kemiju i ekologiju

(21.01.2012. – 21.12.2012.) — viši asistent – Biotehničke znanosti
Prehrambeno – tehnološki fakultet Osijek
Katedra za kemiju i ekologiju

(01.10. 2007 .- 21.01.2012.) — asistent
Prehrambeno – tehnološki fakultet Osijek
Katedra za kemiju i ekologiju

(01. 04. 2007. – 01.10. 2007.) — tehnolog u proizvodnji i predstavnik uprave za kvalitetu
Tribo-min d.o.o. Osijek
Proizvodnja dijetetskih i mineralnih pripravaka

OBRAZOVANJE I OSPOSOBLJAVANJE

(2014.) **E-learning akademija**
CARNet, course design

(2012.) **Pedagoško-psihološka i didaktičko-metodička izobrazba**
.
Sveučilište J. J. Strossmayera u Osijeku, Učiteljski fakultet u Osijeku

(08. 12. 2011.) **Doktorat znanosti**
Sveučilište J. J. Strossmayera u Osijeku, Prehrambeno-tehnološki fakultet Osijek
Znanstveno područje: Biotehničke znanosti; znanstveno polje: prehrambena tehnologija

(01. 03. 2011. – 01. 06. 2011.) **Universität für Bodenkultur Wien**
University of Natural Resources and Life Sciences, Department of Chemistry, Division of Organic Chemistry, Chair for Wood, Pulp and Fiber Chemistry, Beč, Austrija

(01. 09. 2008.-01. 03. 2009.) **Sveučilište u Grazu**
Institut za kemiju, Christian Doppler Laboratory for Microwave Chemistry, Graz, Austrija

(20. 05. 2005.) **Diplomirani inženjer prehrambene tehnologije i procesnog inženjerstva**
Sveučilište J. J. Strossmayera u Osijeku, Prehrambeno-tehnološki fakultet Osijek

OSOBNE VJEŠTINE

Materinski jezik: hrvatski

Ostali jezici

	RAZUMIJEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Govorna interakcija	Govorna produkcija	
engleski	C1/2	C1/2	C1/2	C1/2	C1/2
	Zamijenite nazivom jezične potvrde. Upišite stupanj ako je primjenjivo.				
talijanski	A1/2	A1/2	A1/2	A1/2	A1/2
	Zamijenite nazivom jezične potvrde. Upišite stupanj ako je primjenjivo.				
španjolski	A1/2	A1/2	A1/2	A1/2	A1/2

Stupnjevi: A1/2: Početnik - B1/2: Samostalni korisnik - C1/2 Iskusni korisnik
Zajednički europski referentni okvir za jezike

Komunikacijske vještine: dobre komunikacijske vještine stečene tijekom rada na fakultetu kroz redovito sudjelovanje u nastavi

Računalne vještine: dobro vladanje alatima Microsoft Office™

Vozačka dozvola: B

DODATNE INFORMACIJE

Projekti

Voditeljica projekata

- **HRZZ Uspostavni projekt** - *Zelene tehnologije u sintezi heterocikličkih spojeva* (**01.01.2018.-31.12.2022**.)
- **Osječko-baranjska županija** – *Potencijalna primjena kumarina kao fungicida* (**2017-2018**)
- **NEWFELPRO** - *Synthesis and characterization of some chalcone based heterocyclic compounds and their biological screening as potential in-vitro antioxidant agents*- (Voditelj s hrvatske strane) (**09.05.2016.-08.05.2017.**)
- **UNIOS** - Sinteza i biološka aktivnost novih derivata dipikolinske kiseline (2013-2014)

Sudjelovanje na projektima

- **Međunarodni bilateralni projekt Hrvatska Srbija** - *Application of high pressure technologies in the extraction of plant material* (**2016-2018**)

Članstva

HKD od 2011. g.

Nagrade i priznanja

Državna nagrada za znanost za 2017. godinu
Godišnja nagrada Prehrambeno-tehnološkog fakulteta Osijek za ostvarena postignuća u području znanstvenog, nastavnog i stručnog rada u 2017. godini

PRILOZI

Popis publikacija (https://bib.irb.hr/lista-radova?autor=299335):

Znanstveni radovi u CC časopisima

Jokić, Stela; Molnar, Maja; Jakovljević, Martina; Aladić, Krunoslav; Jerković, Igor. Optimization of supercritical CO2 extraction of Salvia officinalis L. leaves targeted on oxygenated monoterpenes, α- humulene, viridiflorol and manool. Journal of supercritical fluids. 133 (2018), 1; 253-262.

Molnar, Maja; Amić, Ana; Pavić, Valentina; Kovač, Tihomir; Kovač, Marija; Has-Schön, Elizabeta. Biological study on novel coumarinyl 1, 3, 4- oxadiazoles. Turkish journal of chemistry. 42 (2018); 146-157.

Molnar, Maja; Brahmbhatt, Harshad; Rastija, Vesna; Pavić, Valentina; Komar, Mario; Karnaš, Maja; Babić, Jurislav. Environmentally Friendly Approach to Knoevenagel Condensation of Rhodanine in Choline Chloride: Urea Deep Eutectic Solvent and QSAR Studies on Their Antioxidant Activity. Molecules. 23 (2018), 8; 1897-1912.

Molnar, Maja; Jakovljević, Martina; Jokić, Stela. Optimization of the process conditions for the extraction of rutin from Ruta graveolens L. by choline chloride based deep eutectic solvents. Solvent Extraction Research and Development, Japan. 25 (2018), 2; 109-116.

Rastija, Vesna; Molnar, Maja; Silađi, Tena; Masand, Vijay Hariram. QSAR analysis for antioxidant activity of dipicolinic acid derivatives. Combinatorial chemistry & high throughput screening. 21 (2018), 3; 204-214.

Amić, Ana; Molnar, Maja. An improved and efficient n-acetylation of amines using choline chloride based deep eutectic solvents. Organic preparations and procedures international. 49 (2017) ; 249-257.

Jerković, Igor; Molnar, Maja; Vidović, Senka; Vladić, Jelena; Jokić, Stela. Supercritical CO2 Extraction of Lavandula angustifolia Mill. flowers: Optimization of Oxygenated Monoterpenes, Coumarin and Herniarin Content. Phytochemical analysis. 28 (2017), 6; 558-566.

Molnar, Maja; Jerković, Igor; Suknović, Dragica; Bilić Rajs, Blanka; Aladić, Krunoslav; Šubarić, Drago; Jokić, Stela. Screening of Six Medicinal Plant Extracts Obtained by Two Conventional Methods and Supercritical CO2 Extraction Targeted on Coumarin Content, 2, 2-Diphenyl-1-picrylhydrazyl Radical Scavenging Capacity and Total Phenols Content. Molecules. 22

(2017) , 3; 348.

Molnar, Maja; Klenkar, Jelena; Tarnai, Tena. Eco-friendly rapid synthesis of 3-substituted- 2- thioxo-2,3-dihydroquinazolin-4(1H)-ones in choline chloride based deep eutectic solvent. Synthetic communications. 47 (2017) ; 1040-1045.

Molnar, Maja; Pavić, Valentina; Šarkanj, Bojan; Čačić, Milan; Vuković, D.; Klenkar, Jelena. Mono- and bis-dipicolinic acid heterocyclic derivatives – thiosemicarbazides, triazoles, oxadiazoles and thiazolidinones as antifungal and antioxidant agents. // Heterocyclic communications. 23 (2017) , 1; 35-42.

Jokić, Stela; Bijuk, Marco; Aladić, Krunoslav; Bilić, Mate; Molnar, Maja.
Optimization of supercritical CO2 extraction of grape seed oil using response surface methodology. // International journal of food science & technology. 51 (2016) , 2; 403-410 (članak, znanstveni). URL link to workURL link to work

Jokić, Stela; Rajić, Marina; Bilić, Blanka; Molnar, Maja. Supercritical extraction of scopoletin from Helichrysum italicum (Roth) G. Don flowers. Phytochemical analysis. 27 (2016) , 5; 290-295.

Čačić, Milan; Pavić, Valentina; Molnar, Maja; Šarkanj, Bojan; Has-Schön, Elizabeta. Design and Synthesis of Some New 1,3,4- Thiadiazines with Coumarin Moieties and Their Antioxidative and Antifungal Activity. Molecules. 19 (2014) , 1; 1163-1177.

Tišma, Marina; Molnar, Maja; Škarica, Marija; Čačić, Milan; Zelić, Bruno. Laccase Inhibiting Activity of Some Coumarin Derivatives. Letters in organic chemistry. 11 (2014) , 8; 583-589.

Šarkanj, Bojan; Molnar, Maja; Čačić, Milan; Gille, Lars. 4-Methyl-7-hydroxycoumarin antifungal and antioxidant activity enhancement by substitution with thiosemicarbazide and thiazolidinone moieties. // Food chemistry. 139 (2013) , 1/4; 488-495.

Molnar, Maja; Čačić, Milan; Zec Zrinušić, Sanja. Synthesis and Antioxidant Evaluati on of Schiff Bases Derived from 2, 6-Pyridinedicarboxylic Acid. Letters in organic chemistry. 9 (2012) , 6; 401-410.

Čačić, Milan; Molnar, Maja. Design, Synthesis and Characterization of Some Novel 3-Coumarinyl- 5-aryliden-1, 3-thiazolidine-2, 4-diones and Their Antioxidant Activity. Zeitschrift für Naturforschung. B, A journal of chemical sciences. 66b (2011) , 1; 177-183.

Čačić, Milan; Molnar, Maja; Strelec, Ivica. Synthesis and biological evaluation of a novel series of 1, 3-dicoumarinyl-5-aryl-2-pyrazolines. Heterocycles. 83 (2011) , 7; 1553-1566.

Čačić, Milan; Molnar, Maja; Šarkanj, Bojan; Has-Schön, Elizabeta; Rajković, Valentina. Synthesis and Antioxidant Activity of Some New Coumarinyl- 1, 3-Thiazolidine-4-ones. Molecules. 15 (2010) , 10; 6795-6809.

Baghbanzadeh, Mostafa; Molnar, Maja; Damm, Markus; Reidlinger, Claudia; Dabiri, Minoo; Kappe, C. Oliver. Parallel Microwave Synthesis of 2-Styrylquinazolin-4(3H)-ones in a High-Throughput Platform Using HPLC/GC Vials as Reaction Vessels. Journal of combinatorial chemistry. 11 (2009) , 4; 676-684.

Čačić, Milan; Molnar, Maja; Balić, Tomislav; Draca, Nela; Rajković, Valentina. Design and Synthesis of Some Thiazolidin-4-ones Based on (7-Hydroxy-2-oxo-2H-chromen-4-yl) Acetic Acid. Molecules. 14 (2009) , 7; 2501-2513.

Znanstveni radovi u drugim časopisima

Brahmbhatt, Harshad; Molnar, Maja; Pavić, Valentina. Pyrazole nucleus fused tri-substituted imidazole derivatives as antioxidant and antibacterial agents. Karbala International Journal of Modern Science. 4 (2018); 200-206.

Molnar, Maja; Tomić, Marinko; Pavić, Valentina. Coumarinyl thiosemicarbazides as antimicrobial agents. Pharmaceutical Chemistry Journal. 51 (2018), 12; 1078-1081.

Banjari, Ines; Misir, Andreja; Šavikin, Katarina; Jokić, Stela; Molnar, Maja; De Zoysa, HKS; Waisundara; Viduranga Y. Anti-Diabetic Effects of Aronia melanocarpa and its Other Therapeutic Properties. Frontiers in Nutrition. 4 (2017), 6.

Kovač, Tihomir; Kovač, Marija; Strelec, Ivica; Nevistić, Ante; Molnar, Maja. Antifungal and antiaflatoxigenic activities of coumarinyl thiosemicarbazides against Aspergillus flavus NRRL 3251. Arhiv za higijenu rada i toksikologiju. 68 (2017) ; 9-15.

Strelec, Ivica; Burić, Petar; Janković, Irena; Kovač, Tihomir; Molnar, Maja. Inhibitory effect of coumarin derivatives on apple (cv. Idared) polyphenol oxidase. Croatian Journal of Food Science and Technology. 9 (2017); 57-65.

Molnar, Maja; Kovač, Tihomir; Strelec, Ivica. Umbelliferone-Thiazolidinedione Hybrids as Potent Mushroom Tyrosinase Inhibitors. // International Journal of Pharmaceutical Research and Allied Sciences. 5 (2016) , 2; 305-310.

Rajić, Marina; Molnar, Maja; Bilić, Mate; Jokić, Stela. The impact of extraction methods on the isolation of pharmacologically active compounds from Vitex agnus-castus - a review. International Journal of Pharmaceutical Research and Allied Sciences. 5 (2016) , 4; 15-21.

Klenkar, Jelena; Molnar, Maja. Natural and synthetic coumarins as potential anticancer agents. Journal of Chemical and Pharmaceutical Research. 7 (2015), 7; 1223-1238.

Molnar, Maja; Šarkanj, Bojan; Čačić, Milan; Gille, Lars; Strelec, Ivica. Antioxidant properties and growth-inhibitory activity of coumarin Schiff bases against common foodborne fungi. Der Pharma Chemica. 6 (2014) , 6; 313-320.

Molnar, Maja; Čačić, Milan. Antioxidant activity of some (7-hydroxy-2-oxo-2H-chromen-4-yl)acetic acid derivatives. Croatian Journal of Food Science and Technology. 4 (2012), 1; 54-63.

Molnar, Maja; Čačić, Milan. Biološka aktivnost derivata kumarina – pregledni rad. Croatian journal of food science and technology. 3 (2011), 2; 55-64.