



## Josip Jurković

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### ● RADNO ISKUSTVO

**POLJOPRIVREDNO - PREHRAMBENI FAKULTET, UNIVERZITET U SARAJEVU** – SARAJEVO, BOSNA I HERCEGOVINA

**Adresa** Zmaja od Bosne, 8, 71000, Sarajevo, Bosna i Hercegovina | **Internetske stranice** [www.ppf.unsa.ba](http://www.ppf.unsa.ba)

**VANREDNI PROFESOR NA OBLASTI: PRIMIJENJENA HEMIJA U POLJOPRIVREDI I PREHRAMBENOJ TEHNOLOGIJI** – 24/06/2020 – TRENUTAČNO

**POLJOPRIVREDNO - PREHRAMBENI FAKULTET, UNIVERZITET U SARAJEVU** – SARAJEVO, BOSNA I HERCEGOVINA

**DOCENT NA OBLASTI: PRIMIJENJENA HEMIJA U POLJOPRIVREDI I PREHRAMBENOJ TEHNOLOGIJI** –

26/06/2015 – 24/06/2020

**POLJOPRIVREDNO - PREHRAMBENI FAKULTET, UNIVERZITET U SARAJEVU** – SARAJEVO, BOSNA I HERCEGOVINA

**VIŠI ASISTENT NA PREDMETIMA: HEMIJA, HEMIJA I I HEMIJA II** – 15/06/2011 – 26/06/2015

**POLJOPRIVREDNO - PREHRAMBENI FAKULTET, UNIVERZITET U SARAJEVU** – SARAJEVO, BOSNA I HERCEGOVINA

**ASISTENT NA PREDMETIMA: HEMIJA, HEMIJA I I HEMIJA II** – 15/12/2006 – 15/06/2011

**PRIRODNO - MATEMATIČKI FAKULTET, UNIVERZITET U SARAJEVU** – SARAJEVO, BOSNA I HERCEGOVINA

**VANJSKI SARADNIK NA PREDMETIMA: ANALITIČKA HEMIJA I I ANALITIČKA KONTROLA KVALITETA** –

01/10/2007 – 01/02/2008

### ● OBRAZOVANJE I OSPOSOBLJAVANJE

2011 – 2015 Sarajevo, Bosna i Hercegovina

**DOKTOR HEMIJSKIH NAUKA** Prirodno - matematički Doktorat na Prirodno-matematičkom fakultetu u Sarajevu, smjer analitička hem

2008 – 2011 Sarajevo, Bosna i Hercegovina

**MAGISTAR HEMIJSKIH NAUKA.** Prirodno - matematički fakultet, Univerziteta u Sarajevu. Tema magistarskog rada: „Distribucija met

2001 – 2006 Sarajevo, Bosna i Hercegovina

**DIPLOMIRANI INŽINJER HEMIJE.** Prirodno - matematički fakultet, Univerziteta u Sarajevu. Tema diplomskog rada: Određivanje sadržaj

2019 – 2019 Heidelberg, Njemačka

**ISTRAŽIVAČ U POLJU HIDROGEOHEMIJE.** Univerzitet u Heidelbergu

2013 – 2014 Maribor, Slovenija

**ISTRAŽIVAČ U POLJU OKOLIŠNE GEOHEMIJE U SVRHU DOKTORATA.** Fakultet za kemiju i kemijsku tehnologiju

2010 – 2011 Hohenheim, Njemačka

**SPECIJALIZANT U OBLASTI ANALITIČKE HEMIJE.** Univerzitet u Hohenheimu

## ● JEZIČNE VJEŠTINE

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Materinski jezik/jezici: **BOSANSKI, HRVATSKI, SRPSKI**

Drugi jezici:

	RAZUMIJEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Govorna produkcija	Govorna interakcija	
<b>ENGLESKI</b>	C1	C1	C1	C1	C1
<b>NJEMAČKI</b>	B1	B1	B1	B1	B1

*Razine: A1 i A2: temeljni korisnik; B1 i B2: samostalni korisnik; C1 i C2: iskusni korisnik*

## ● PUBLIKACIJE

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2020

**Kemijско Računanje**

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2015

**Praktikum iz hemije**

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## ● MREŽE I ČLANSTVA

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**Članstva**

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1. European Association of Geochemistry
2. Croatian Chemical Society
3. Society of Chemists and and Chemical Technologists of Bosnia and Herzegovina

## ● PROJEKTI

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**Projekti**

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- Transformacija otpadnog crvenog mulja iz aluminijske industrije u biosorbent za tretman otpadnih voda iz rudnika: ekološki prihvatljivo i održivo rješenje s ciljem zaštite okoliša, UNDP.
- SUS-SOIL-sustainable Soil and Subsoil health promotion by implementing agro ecological land use and management to enhance ecosystem services delivery for society (2025).
- Metals metabolism in plants (učesnik) (COST, PlantMetals CA19116) (2023)
- Procjena stanja prirode Bosne i Hercegovine i upravljanja prirodnim resursima, koordinator projekta.
- Mogućnost uzgoja bosiljka kao alternativne kulture u svrhu adaptiranja klimatskim promjenama
- Primjena alumosilikata različite granulacije u modifikaciji nutritivnog režima biljaka gajenih po organskim principima proizvodnje (učesnik projekta)
- Efikasnost primjene prirodnih alumisilikatnih materijala na imobilizaciju teških metala u okviru *in situ* i *ex situ* metode remedijacije zemljišta, Fond za zaštitu okoliša (2019) (Koordinator projekta)
- TEMPUS IV Project, Lifelong learning for sustainable agriculture in Alps – Danube – Adriatic region (2016) (Učesnik projekta - predavač).
- MA course „Food Analysis“ DDS Projekt WUS Austrija (2009-2011)

## ● STIPENDIJE

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**Stipendije**

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1. Erasmus Mundus, Staff mobility
2. Erasmus Mundus, doctorate exchange
3. Lions Club, Award

## ● RECENZENT U ČASOPISIMA

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**Recenzent u časopisima**

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1. Land Degradation and Development

2. Acta Agriculture Scandinavica
3. Agriculturae Conspectus Scientificus
4. IFMBE Proceedings, Springer

## ● ORGANIZACIJA KONFERENCIJA

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### Organizacija konferencija

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1. Agriconference 2019, naučni odbor
2. Kongres hemičara i hemijskih inženjera Bosne i Hercegovine, 2020, organizacioni i naučni odbor

## ● BIBLIOGRAFIJA

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Josip, Jurković, Admir Ajanović, Mirha Đikić, Fejzo Bašić, Mirela Smajić Murtić: Monitoring of the Drina River quality in the city of Goražde. Works of the faculty of agriculture and food sciences university of Sarajevo, 74/2. (2024)

---

Sanel Haseljić, Fejzo Bašić, Josip Jurković, Pakeza Drkenda, Lutvija Karić, Saud Hamidović, Siniša Mitrić (2024). Efficacy of new insecticides generation in the control of tomato leaf miner (*Tuta absoluta* Meyrick). Works of the faculty of agriculture and food sciences university of Sarajevo, 74/2.

---

Josip Jurković, Sanel Haseljić, Emina Sijahović, Senad Murtić, Ante Prkić (2024). Ammonium oxalate extraction of iron triad from natural clay samples. Works of the faculty of agriculture and food sciences university of Sarajevo, 74/2.

---

Jurković J., Tvica M., Babajić E., Čengić L., Sulejmanović J. (2024). Behavior of redox – sensitive elements (Ti, As, V and Fe) in a clay pit samples with and without Al-normalization. Geological Society of London. Gochemistry: Exploration, Environment, Analysis <https://doi.org/10.6084/m9.figshare.c.7014329.v1>

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Bašić F., Hasanbegović A., Šuta N., Jurković J., Korjenić E., Haseljić S., Lelo S. (2024). Preliminary Data on Presence of *Ophraella communa* (Coleoptera: Chrysomelidae) in the Southeast of Bosnia and Herzegovina, *Jornal of Entomological Science*, DOI: 10.18474/JES23-4

---

Jurković, J. Bristrić E., Haseljić S., Čadro S., Bašić F., Omanović R., Sulejmanović J. (2023). Determination of Water Extractable Chloride in the Greenhouse Soil and Minimizing Interferences Caused by the Presence of the Iron Ions. In: Brka, M., et al. 32nd Scientific-Expert Conference of Agriculture and Food Industry. Agriconference 2022. Lecture Notes in Bioengineering. Springer, Cham. [https://doi.org/10.1007/978-3-031-47467-5\\_2](https://doi.org/10.1007/978-3-031-47467-5_2)

---

Haseljić, S., Hrnčić, S., Bašić, F., Jurković, J., Mitrić, S. (2023). Effectiveness of Chlorantraniliprole, Methoxyfenozide and Emamectin Benzoate Insecticides in Controlling *Tuta Absoluta*. In: Brka, M., et al. 32nd Scientific-Expert Conference of Agriculture and Food Industry. Agriconference 2022. Lecture Notes in Bioengineering. Springer, Cham. [https://doi.org/10.1007/978-3-031-47467-5\\_11](https://doi.org/10.1007/978-3-031-47467-5_11)

---

Jurković, J., Kazlagić, A., Sulejmanović, Smječanin N., Karalija E., Prkić A., Nuhanović M., Kolar M., Albuquerque A. (2023) Assessment of heavy metals bioaccumulation in Silver Birch (*Betula pendula* Roth) from an AMD active, abandoned gold mine waste. *Environmental Geochemistry and Health*. <https://doi.org/10.1007/s10653-023-01774-7>

---

Stupar V. Avdibegović M., Barudanović S., Jurković J., Kobajica S., Mataruga M., Bećirović Dž. (2022). Pressures upon nature in Bosnia and Herzegovina: assessment of their status and trends by groups of ecosystems, *Glasnik Šumarskog fakulteta Univerziteta u Banjoj Luci*, 32, 33-58, doi: 10.7251/gsf2232003s.

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Jurković, J., Kovo, K., Durić, L., Botonjić, M., Sulejmanović, J., Ajanović, T., Nuhanović, M., Sijahović, E. (2022). Use of green solvents in shaking and ultrasound assisted extraction of mobile and mobilizable fractions of potassium from soil. *Agriculture and Forestry*, 68 (4): 19-30. doi:10.17707/AgricultForest.68.4.02

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Rysha A., Kastrati G.F., Jurković J., Kabashi-Kastrati E. Evaluating the residual nitrite concentrations of locally produced and imported meat products in Kosovo, *Journal of the Hellenic Veterinary Medicinal Society*, 73 (3), 4505-4510, 2022, <https://doi.org/10.12681/jhvms.27604>

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Jurković J., Imamović V., Čengić L., Tahmaz Determination of chloride content in baby food. *CE-Food 2022, 10th Central European Congress on Food*, pp 200-210, [https://doi.org/10.1007/978-3-031-04797-8\\_18](https://doi.org/10.1007/978-3-031-04797-8_18).

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Jurković J., Kanlić H., Subašić-Alkić M., Murtić S. Trichloroacetic and nitric acid extraction of Ca, Mg, Fe, Zn, Na and K from whey samples. *CE-Food 2022, 10th Central European Congress on Food*, pp 511-521, [https://doi.org/10.1007/978-3-031-04797-8\\_43](https://doi.org/10.1007/978-3-031-04797-8_43).

---

Ašimović Z., Sirbubalo E., Čengić E., Muminović Š., Jurković J. Phenolic content and antioxidant activity determination in chamomile (*Matricaria Recutita*) and sage (*Salvia Officinalis*) teas, *CE-Food 2022, 10th Central European Congress on Food*, pp 360-368, [https://doi.org/10.1007/978-3-031-04797-8\\_31](https://doi.org/10.1007/978-3-031-04797-8_31).

---

Alkić-Subašić M., Jurković J., Tahmaz J., Dizdarević T., Đulančić N., Martinović A., Mehmeti I., Sarić Z., Narvhus J., Abrahamsen R. Antibiotic resistance of wild enterococci isolated from Travnički/Vlašički cheese, B&H, *CE-Food 2022, 10th Central European Congress on Food*, pp 305-316, [https://doi.org/10.1007/978-3-031-04797-8\\_27](https://doi.org/10.1007/978-3-031-04797-8_27).

---

Tahmaz J., Begić M., Oručević Žuljević S., Mehmedović V., Alkić-Subašić M., Jurković J., Đulančić N. Physical properties of vegetable food seasoning powders *CE-Food 2022, 10th Central European Congress on Food*, pp. 14-32, [https://doi.org/10.1007/978-3-031-04797-8\\_2](https://doi.org/10.1007/978-3-031-04797-8_2).

---

Tahmaz J., Mujić-Dovadžija S., Begić M., Oručević Žuljević S., Jurković J., Alkić-Subašić M. Determination of quality parameters of dehydrated carbohydrate based baby food. *CE-Food 2022, 10th Central European Congress on Food*, pp. 1-13, [https://doi.org/10.1007/978-3-031-04797-8\\_1](https://doi.org/10.1007/978-3-031-04797-8_1).

---

Sulejmanović J., Jurković J., Ajanović T., Selović A., Nuhanović M., Ajanović A., Kovo K., Durić L., Botonjić M. Extractability of sodium ions from the soil, *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 2022

---

Murtić S., Zahirović Č., Čivić H., Sijahović E., Jurković J., Avdić J., Šahinović E., Podrug A. Phytoaccumulation of heavy metals in native plants growing on soils in the Spreča river valley, *Bosnia and Herzegovina, Plant, Soil and Environment*, 67

---

Karić L., Zahiragić Č., Bugarski D., Vlajić S., Kaciu S., Genjac E., Jurković J. Effects of fertilizers on the growth, yield and nitrate content in selected cultivars of spinach (*Spinacia oleracea* L.), *Acta Horticulturae*, 261-266, 2021

---

Gavrić T., Jurković J., Gadžo D., Čengić L., Sijahović E., Bašić F. Fertilizer effect on some basil bioactive compounds and yield, *Ciência e Agrotecnologia*, 45: e003121, 1-9, 2021

---

Jurković J., Murtić S., Bašić F., Gavrić T., Sijahović E., Čadro S. Relationships between Heavy Metals and Their Connection to Amorphous and Total Iron in a Frequently Subsampled Clay Pit Core Sample, *ACS Earth and Space Chemistry*, 2021

---

Murtić S., Sijahović E., Čivić H., Tvica M., Jurković J., In situ immobilisation of heavy metals in soils using natural clay minerals, *Plant, Soil and Environment*, vol. 66. 632-638. 2020. (December)

---

Jurković J., Babajić E., Muhić-Šarac T., Kolar M., Kazlagić A., Gold, Silver and Iron in Iron Oxy-hydroxide Precipitate Formed in Process of Acid Mine Drainage, *Journal of Mining and Environment*, vol. 11. 2020

---

Murtić S., Šahinović E., Čivić H., Jurković J., Health risk from heavy metals via consumption of food crops grown on the soils in the vicinity of manganese mine, *Bulgarian Journal of Agricultural Science*, 26 (2), 2020

---

Murtić S., Zahirović Ć., Karić L., Jurković J., Čivić H., Sijahović E., Use of pyrophillite as soil conditioner in lettuce production, *Nature, Environment and Pollution Technology*, 19, 355-359, 2020.

---

Jurković J., Ploskić M., Murtić S., Gavrić T., Biber L., Omanović – Mikličanin E., Kazlagić A., Metal content in honey with different coloring from industrial areas of Bosnia nad Herzegovina, *IFMBE proceedings, Springer*, 78, 218-228, 2020

---

Gavrić T., Gadžo D., Jurković J., Đikić M., Hadžić Dž., Lalević B., Hamidović S., Chemical Composition and total phenols content of tartary buckwheat (*Fagopyrum tataricum* Gaertn) grown in different vegetation seasons *IFMBE proceedings, Springer*,

---

Murtić S., Čivić H., Sijahović E., Kolečka I., Jurković J., Tvica M., Use of pyrophillite to reduce heavy metals mobility in a soil environment, *Agronomy research*, 18, 2020.

---

Jurković J., Sulejmanović J., Tahmaz J., Gavrić T., Determination of water content in infant formula, *Bulletin of Chemists and Technologists*, 53, 37-42, 2019

---

Murtić S., Zahirović Ć., Jurković J., Karić L., Kolečka I., Essential heavy metals accumulation and distribution pattern in cucumber plants, *Studia Universitatis „Vasile Goldiș“*, vol 29/4, 177-183, 2019.

---

Murtić S., Jurković J., Bašić E., Hekić E., Assessment of wild plants for remediation of heavy metals in soil surrounding the thermal power station, *Agronomy research*, vol 17/1, 2019.

---

Gavrić T., Jurković J., Hamidović S., Haseljčić S., Lalević B., Čorbo A., Bezdrob M., Yeld and contents of some bioactive components of basil (*Ocimum basilicum* L.) depending on time of cutting, *Studia Universitatis „Vasile Goldiș“*, vol 28/4, 2018.

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Gavrić T., Čadro S., Gadžo D., Đikić M., Bezdrob M., Jovović Z., Jurković J., Hamidović S., Influence of meteorological parameters on the yield and chemical composition of common buckwheat (*Fagopyrum esculentum* Moench), *Agriculture and Forestry*,

---

Murtić S., Zahirović Ć., Čivić H., Karić L., Jurković J., Uptake of heavy metals by tomato plants (*Lycopersicon esculentum* Mill.) and their distribution inside the plant, *Agriculture and Forestry*, vol. 64/4: 251-261, 2018.

---

Jurković J., Velagić-Habul E., Dörfler W., Omanović-Mikličanin E., Hamidović S., Ivanković A., Deposition of metals in glacial lake sediment, *Polish Journal of Soil Science*, vol. 51/2, 2018.

---

Karić L., Zahirović Ć., Žnidarčič D., Jurković J., Muminović Š., Hadžiasimbeg A., Sefo E., Influence of the selected varieties of lettuce (*Lactuca sativa* L.) on yield and nitrate concentrations, *Proceedings, Agrosym* 2018, 65-68.

---

Jurković J., Water determination in samples with high sugar and protein content, *Technologica Acta*, vol. 11/1, 2018.

---

Zahirović Ć., Karić L., Žnidarčič D., Murtić S., Jurković J. Yield and quality of selected varieties of lettuce, *Works of the Faculty of Agriculture and Food Sciences, Sarajevo*, vol. 67/2, 2017.

---

Hamidović S., Žutić A., Đikić M., Jurković J., Raičević V., Pešić M., Sunulahpašić A., Influence of herbicide Wing P on microbial population density in soil under corn, *Works of the Faculty of Agriculture and Food Sciences, Sarajevo*, vol. 67/2, 20

---

Ivanković A., Jurković J., Velagić Habul E., Talić S., Bevanda AM, Contribution to the knowledge of the Blidinje lake sediment (Bosnia and Herzegovina), *Austin Journal of Earth Science*, vol3 /3. Septembar 2015.

---

Jurković J., Muhić-Šarac T., Kolar M. (2014): Chemical characterisation of acid mine drainage from an abandoned gold mine site, *Chemické Listy*, vol. 108, 165-170, 2014.

---

Ivanković, A.; Jurković, J.; Velagić Habul, E.: Chemical and biological features of Blidinje Lake sediment. Znanstveni glasnik; Časopis za prirodne i tehničke znanosti, Sveučilište u Mostaru, ISSN 1025-7977, Vol.23, str: 121-137, 2014.

---

Hamidovic S., Colo J., Delić M., Jurković J., Lalević B., Raicevic V., Talaie A.M.: Seasonal Dynamic and Vertical Distribution of Microorganisms and Nutrients in Soils of Mostar Pit (Bosnia and Herzegovina), Agriculturae Conspectus Scientificus

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Jurković, J., Esmā Velagić Habul., Lejla Oručević, E.Omanović-Miklićanin (2009): Aktivitet vode meda u svjetlu određivanja vode metodom refraktometrije i titracije po Karl-Fischer-u". Zbornik radova XX Naučno-stručne konferencije poljoprivrede i

---

Oručević, L.,Velagić Habul. E, Jurković, J.,Ašimović, Z., (2009): Aktivitet vode kao indikator statusa meda, XX Naučno-stručna konferencija poljoprivrede i prehrambene industrije, Neum 2009.

---

Velagić-Habul, E., Omanović-Miklićanin,E., Jurković, J.: Remedijacija tla zagađenog gorivom u uslovima krša. Radovi Polj.preh.fak.Univ.Sar. No.58/2. (15-24), 2007.

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## ● **KOMUNIKACIJSKE I MEĐULJUDSKE VJEŠTINE**

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### Komunikacijske i međuljudske vještine

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Dobre komunikacijske vještine stečene tokom obrazovanja i rada na fakultetu.

## ● **ORGANIZACIJSKE VJEŠTINE**

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### Organizacijske vještine

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Dobar u organizaciji eksperimeneta za interdisciplinarne timove.