

## PERSONAL INFORMATION

## Anela Topčagić




 Zmaja od Bosne 33-35, 71000 Sarajevo, Bosna i Hercegovina

 +387 (0)33 279 902

 [atopcagic@pmf.unsa.ba](mailto:atopcagic@pmf.unsa.ba); [anela.topcagic@gmail.com](mailto:anela.topcagic@gmail.com)

 0000-0003-3656-1566

 X-1289-2019

 [https://www.researchgate.net/profile/Anela\\_Topcagic](https://www.researchgate.net/profile/Anela_Topcagic)

 <https://scholar.google.com/citations?user=p0UGTWcAAAAJ&hl=hr>

Sex  | Date of birth 23.12.1979

## RADNO ISKUSTVO

- 2019 - today **Assistant professor (Organic chemistry and Biochemistry)**  
University of Sarajevo-Faculty of Science, Bosnia and Herzegovina
- 2011 - 2019 **Senior teaching assistant (Organic chemistry and Biochemistry)**  
University of Sarajevo-Faculty of Science, Bosnia and Herzegovina
- 2008 - 2011 **Teaching asistent (Organic chemistry and Biochemistry)**  
University of Sarajevo-Faculty of Science, Bosnia and Herzegovina
- 2005 - 2008 **Leather technologist (Finishing)**  
Prevent Leather Sarajevo d.o.o. Visoko, Visoko, Bosna i Hercegovina
- 2003 - 2004 **Students' service referent**  
University of Sarajevo-Faculty of Science, Bosnia and Herzegovina

## OBRAZOVANJE

- 2018 **Doctor of Science - Chemistry**  
University of Sarajevo-Faculty of Science, Bosnia and Herzegovina
- 2011 **Master of Science – Chemistry**  
University of Sarajevo-Faculty of Science, Bosnia and Herzegovina
- 2004 **Graduated Engineer of Chemistry**  
University of Sarajevo-Faculty of Science, Bosnia and Herzegovina

## PERSONAL SKILLS

Mother language Bosnian– Serbian - Croatian

Other language

	UNDERSTANDING		SPEAKING		WRITING
	Lisening	Reading	Spoken interaction	Spoken production	Writing
English	B2	B2	B2	B2	B2
Italian	B1	B1	B1	B1	B1

Communication skills	Team work, ability to adapt to multicultural environments, acquired during work experience
Digital competence	Work on different instruments for determining the chemical structure of organic compounds and work on separation techniques (GS/MS, HPLC-DAD, UV-Vis)

## ADDITIONAL INFORMATION

2010.- today: Executive editor of journal *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*

2009.-2021: Design and maintenance of webpage (Department of Chemistry)

2011. – 2014: Member of the Quality Assurance Committee of the Faculty of Science

2016. i 2018: Member of the Organizing Committee of International Congress of Chemists and Chemical Engineers of B&H with international participation

2022: Member of the Scientific Committee of the 4th International Congress of Chemists and Technologists of BiH

## PROJECTS

2021-today Isolation, identification and antioxidant activity of biologically active compounds of the genus *Fraxinus L.*, project funded by the Federal Ministry of Education and Science number: 0101-10016-4/21 from 14.10.2021 and number 05-35-1967/21 from 07.10.2021; participant

2021- today Fluorimetric and *in silico* studies of the interaction of albumin with synthetic coumarins, Ministry for Science, Higher Education and Youth, Canton Sarajevo, (27-02-11-41251-18/21); project manager

;2021- today Adsorption and removal of organophosphate pesticide from water samples using phyllosilicate mineral, Ministry for Science, Higher Education and Youth, Canton Sarajevo (27-02-11-41250-6/21); participant

2018- today Assessment of the state of nature and management of natural resources in Bosnia and Herzegovina" (Supporting decision making and building capacity to support IPBES through national ecosystem assessments), World Conservation Monitoring Centre, participant

2012-2013. Chemical research of phenolic acids from some plants of the Lamiaceae family and their modification in order to improve their biological activity, funded by Federal Ministry of Education and Science (BI-BA/12-13-007); participant

## BIBLIOGRAPHY

### BOOKS

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2. Tahirović Ismet, **Topčagić Anela** Buza Nermin, ZBIRKA ZADATAKA IZ BIOHEMIJE I, Univerzitet u Sarajevu-Prirodno-matematički fakultet, Sarajevo, **2018**. ISBN 978-9926-543-00-8; COBISS.BH-ID 25331462
3. Čopra-Janićijević Amira Klepo Lejla, **Topčagić Anela**, PRAKTIKUM ORGANSKE HEMIJE, Univerzitet u Sarajevu-Prirodno-matematički fakultet, Sarajevo, **2013**. ISBN 978-9958-592-42-3; COBISS.BH-ID 20595974
4. Tahirović Ismet, **Topčagić Anela**, PRAKTIKUM IZ BIOHEMIJE I, Univerzitet u Sarajevu-Prirodno-matematički fakultet, Sarajevo, **2012**. ISBN 978-9958-592-32-4; COBISS.BH-ID 19948294

## SCIENTIFIC PAPERS

1. **Topčagić, A.**, Čavar Zeljković, S., Kezić, M., Sofić, E. (2021) Fatty acids and phenolic compounds composition of anise seed, *Journal of Food Processing and Preservation*, 46(19), e15872.
2. Etminan, A., Uzunović, A., Topčagić, A., Žero, S., Dizdar, M., Klepo, K., Čulum, D., Džudžević-Čančar, H., Tahirović, I. (2019) Quantification of Active Substances in Some Drugs Using by Derivative UV/Vis spectroscopy. In: Badnjević A., Škrbić R., Gurbeta Pokvić L. (eds) *CMBEBIH 2019. CMBEBIH 2019. IFMBE Proceedings*, vol 73. Springer
3. **Topcagic, A.**, Cavar Zeljkovic, S., Karalija, E., Galijasevic, S., Sofic, E. (2017) Evaluation of phenolic profile, enzyme inhibitory and antimicrobial activities of *Nigella sativa* L. seed extracts. *Bosnian Journal of Basic Medical Science*, 17(4), 286-294. doi: 10.17305/bjbms.2017.2049
4. Tahirović, I., Helbet, Dž., Gaštan, A., Buza, N., Dizdar, M., **Topčagić, A.**, Toromanović, J., Čopra-Janićijević, A., Kurtagić, H. (2017) Hydrophilic antioxidant scores against hydroxyl and peroxy radicals in honey samples from Bosnia and Herzegovina. *CMBEBIH 2017, International Conference on Medical and Biological Engineering 2017*, 16-18 March 2017, Sarajevo, Bosnia and Herzegovina, *IFMBE Proceedings*, 62, 429-434. doi:10.1007/978-981-10-4166-2\_66(SCOPUS)
5. Čavar Zeljković, S., **Topčagić, A.**, Požgan, F., Štefane, B., Tarkowski, P., Maksimović, M. (2015) Antioxidant activity of natural and modified phenolic extracts from *Satureja montana* L. *Industrial Crops and Products*, 76, 1094-1099. doi: 10.1016/j.indcrop.2015.08.009
6. Tahirović, I., Kožljak, M., Toromanović, J., Čopra-Janićijević, A., Klepo, L., **Topčagić, A.**, Demirović, H. (2014) Total Phenolic Content and Antioxidant Capacity in Infusions of Various Herbal Teas. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 42, 51-55.
7. Keskin-Šašić, I., Tahirović, I., **Topčagić, A.**, Klepo, L., Salihović, M., Ibragić, S., Toromanović, J., Ajanović, A., Velispahić, E. (2012) Total Phenolic Content and Antioxidant Capacity of Fruit Juices. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina*, 39, 25-28.
8. Kapur, A., Hasković, A., Čopra-Janićijević, A., Klepo, L., **Topčagić, A.**, Tahirović, I., Sofić, E. (2012) Spectrophotometric analysis of total ascorbic acid content in various fruits and vegetables. *Bulleten of the Chemists and Tehnologists of Bosnia and Herzegovina*, 38, 39-42.
9. Briga, M., Delic, D., Copra-Janicijevic, A., Klepo, L., Sofic, E., **Topcagic, A.**, Tahirovic, I. (2012) Fluorimetric determination of ascorbic acid using methylene blue. 7th CMAPSEEC, Conference on Medicinal and Aromatic Plants of Southeast European Countries, 27-31 May 2012, Subotica, Republic of Serbia, *Proceedings*, 104-109.
10. Delic, D., Briga, M., Copra-Janicijevic, A., Klepo, L., **Topcagic, A.**, Sofic, E., Tahirovic, I. (2012) Spectrophotometric and titrimetric determination of ascorbic acid in some fruits and vegetables. 7th CMAPSEEC, Conference on Medicinal and Aromatic Plants of Southeast European Countries, 27 -31 May 2012, Subotica, Republic of Serbia, *Proceedings*, 110-116.
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12. Tahirovic, I., Salihovic, M., Toromanovic, J., Dilberovic, B., Topcagic, A., Selman, S., Kalcher, K., Sofic, E. (2011) Determination of chlorogenic acid in some fruits using high performance liquid chromatography with electrochemical detection. 6th CMAPSEEC, Conference on Aromatic and Medical Plants of Southeast European Countries, 18-22 April 2010, Antalya, Turkey, *Proceeding*, 551-559.
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2. Fazlić, A., Ligata, E., Dizdar, M.a, Čavar Zeljković, S., **Topčagić, A. (2022)** Fluorimetric interaction studies of albumin with 7-substituted-4-methylcoumarins, 4<sup>th</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, 30 June-02 July 2022, Sarajevo, Bosnia and Herzegovina, Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, Special Issue 2022, Book of Abstracts, 52.
3. Marković, I., Čulum, D., Vidic, D., Čopra- Janičijević, A., **Topčagić, A.**, Klepo, L. (2022) Identification of chemical constituents from two *Fraxinus* species by GC-MS and HPLC-DAD methods, 4<sup>th</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, 30 June-02 July 2022, Sarajevo, Bosnia and Herzegovina, Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, Special Issue 2022, Book of Abstracts, 84.
4. Sulejmanović, J., Zrno, A., Omanović, R., **Topčagić, A.**, Begić, S., Jurković, J. (2022) Novel approach for effective removal of methylene blue dye from water using grapefruit peel as a potential biosorbent, 4<sup>th</sup> International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, 30 June-02 July 2022, Sarajevo, Bosnia and Herzegovina, Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, Special Issue 2022, Book of Abstracts,105.
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6. Sulja, R., Dizdar, M., **Topčagić, A. (2021)** Determination of total proteins, starch, and gluten in cereal foods. 1<sup>st</sup> International Scientific Conference Food and Climate Changes, 15-16 October 2021, Koprivnica, Croatia, Book of Abstracts, 63.
7. Bošković, A., Dizdar, M., **Topčagić, A. (2021)** Macronutrients quanification and antioxidant activity of soy products. 1<sup>st</sup> International Scientific Conference Food and Climate Changes, 15-16 October 2021, Koprivnica, Croatia, Book of Abstracts, 65.
8. **Topčagić, A.**, Čavar Zeljković, S., Kezić, M., Sofić, E. (2021) Fatty acids and phenolic compounds composition of anise seed, VII International Congress "Engineering, Environment and Materials in Process Industry", 17-19 March 2021, Jahorina, Bosnia and Herzegovina, Book of Abstracts, 157.
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15. Čengić, L., Čopra-Janićijević, A., Sofić, E., **Topčagić, A.**, Ašimović, Z. (2014) Fluorimetric Determination of Thiamine in Baby Cereal Food. 1st Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina, 10-12 October 2014, Sarajevo, Bosnia and Herzegovina Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, Special Issue 2014, 72.
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17. Čavar, S., **Topčagić, A.**, Sofić, E. (2014) Antioxidant and Antibacterial Activity of Thymoquinone and Its Derivatives. Young Scientists Meeting, Trends in Natural Products Research, June 23-25, 2014, Olomouc, Czech Republic, Book of Abstracts, 35-36.
18. Toromanovic, J., Selman, S., **Topcagic, A.**, Klepo, L., Tahirovic, I., Sofic, E. (2013) The content of total phenolics and total flavonoids in native leaf extracts of houseleek, *Sempervivum tectorum* L., (Crassulaceae). 1st Mediterranean Symposium on Medicinal and Aromatic Plants, 17-20 April 2013, Gazimagosa (Famagusta) Turkish Republic of Northern Cyprus, MESMAP-2013, Abstract book, 230.
19. Deliće, D., Briga, M., Čopra-Janićijević, A., Klepo, L., **Topčagić, A.**, Sofić, E., Tahirović I. (2012) Spectrophotometric and titrimetric determination of ascorbic acid in some biological samples, 7th CMAPSEEC, Conference on Medicinal and Aromatic Plants of Southeast European Countries, 27-31 May 2012, Subotica, Republic of Serbia, Book of Abstracts, 62.
20. Briga, M., Deliće, D., Čopra-Janićijević, A., Klepo, L., Sofić, E., **Topčagić, A.**, Tahirović, I. (2012) Fluorimetric determination of ascorbic acid using methylene blue, 7th CMAPSEEC, Conference on Medicinal and Aromatic Plants of Southeast European Countries, 27-31 May 2012, Subotica, Republic of Serbia, Book of Abstracts, 61.
21. Čalkić, S., **Topčagić, A.**, Huseinović, Š., Sofić, E. (2012) Fluorimetric determination of thiamine in some fruits and vegetables. IX susret mladih kemijskih inženjera, 16-17 Februar 2012, Zagreb, Hrvatska, Book of abstracts, 125.
22. Briga, M., **Topčagić, A.**, Klepo, L., Čopra-Janićijević, A. (2012) Spectrophotometric quantification of total ascorbic acid contents in common sea-buckthorn and rosehip fruits, IX susret mladih kemijskih inženjera, 16-17 Februar 2012, Zagreb, Hrvatska, Book of abstracts, 121.
23. Kapur, A., Čopra-Janićijević, A., Klepo, L., **Topčagić, A.**, Hasković, A., Tahirović, I., Sofić, E. (2011) Spectrophotometric analysis of total ascorbic acid and content in various fruits and vegetables. 22nd International Scientific-Expert Conference of Agriculture and Food Industry, 28 September-1 October 2011, Sarajevo, Bosna and Herzegovina, Book of Abstracts, 154.
24. Sofic, E., Copra-Janicijevic, A., Maksimovic, M., Tahirovic, I., Klepo, L., **Topcagic, A.**, Huseinovic, S., Vidic, D., Cavar, S., Kroyer, G. (2011) Determination of Hypericin in St. John's Wort (*Hypericum perforatum* L.) extracts using HPLC-ED. 59th International Congress and Annual Meeting of the Society for Medicinal Plant and Natural Product Research, 4-9 September 2011, Antalya, Turkey, Planta Medica 77, SL51. doi: 10.1055/s-0031-1282174.
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Doc. dr. Anela Topčagić