

PERSONAL INFORMATION

Aida Smajlović



 Ismeta Mujezinovica 35A, 8/31, 75 000 Tuzla (Bosnia and Herzegovina)

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Sex Female | Date of birth 14/01/1973 | Nationality Bosnian-Herzegovinian

WORK EXPERIENCE

24/02/2016–present

associate professor

University of Tuzla, Tuzla (Bosnia and Herzegovina)

30/05/2014 - present

Vice Dean for scientific research, Faculty of Pharmacy

University of Tuzla, Tuzla (Bosnia and Herzegovina)

assistant professor

23/02/2011–23/02/2016

University of Tuzla, Tuzla (Bosnia and Herzegovina)

- biochemistry lesson, examination in biochemistry,improvement of the teaching process, scientific researc, publication of research results, mentoring of the undergraduate and masters thesis, purchase of laboratory equipment

2005–23/02/2011

senior assistant

University of Tuzla, Tuzla (Bosnia and Herzegovina)

laboratory practice in biochemistry

examination in biochemistry

scientific research

publication of research results

purchase of laboratory equipment

2000–2005

assistant

University of Tuzla, Tuzla (Bosnia and Herzegovina)

laboratory practice in biochemistry

examination in biochemistry

scientific research

publication of research results

purchase of laboratory equipment

EDUCATION AND TRAINING

09/10/2010–Present

PhD

University of Tuzla, Faculty of Science, Tuzla (Bosnia and Herzegovina)

2001–10/01/2005

Master degree in Chemistry

University of Tuzla, Faculty of Science, Sarajevo (Bosnia and Herzegovina)

1994–1999 **professor of chemistry and biology**

University of Tuzla, Faculty of Philosophy, Department for Chemistry and Biology, Tuzla (Bosnia and Herzegovina)

1987–1991 **mathematical technician**

High school “Vaso Pelagic” mathematical technician, Brčko (Bosnia and Herzegovina)

PERSONAL SKILLS

Mother tongue(s) Bosnian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
C1	C1	B2	B2	B2

Replace with language

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Replace with language

B1	B1	A2	A2	A2
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Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills

Good communication skills gained through:

- ten years experience as an assistant
- seven years experience as a lecturer
- scientific research in laboratories abroad during the preparation of master's degrees and doctorates; thanks to established contacts, colleagues from abroad come to the University of Tuzla and participate in the work of the School of Pharmacy and the Summer University.

Organisational / managerial skills

Vice Dean for scientific research of Faculty of Pharmacy

Chairman of the board for the quality and internal evaluation of Faculty of Pharmacy

- Management of scientific research project; currently coordinating a team of nine people. The team consists of different profiles (biochemists and pharmacists)

Job-related skills

Scientific research: protein research techniques (Methods for preparing and isolating recombinant proteins, agarose electrophoresis, SDS-PAGE electrophoresis, Fast electrophoresis, ELISA, Circular dichroism, Fluorescent spectroscopy, Methods of preparation of fibrils, Fast Liquid Protein Chromatography (FPLC)).

Participation in postgraduate studies at the Faculty of Pharmacy, University of Tuzla, module Pharmaceutical Sciences, course "Pharmaceutical biochemistry" is the title of the seminar: "Circular dichroism: Techniques for studying secondary and tertiary structure of proteins. Circular dichroism: techniques in studies of folding (folding), and protein stability.

The teaching process: participation in undergraduate and doctoral studies at the Faculty of Pharmacy, University of Tuzla

Procurement of equipment and chemicals for practical work and the realization of scientific research at the Faculty of Pharmacy, University of Tuzla.

- Participation in the management of the Faculty of Pharmacy, University of Tuzla

Computer skills

- MS Office (Word, Excel, Power Point); Grafit software

Other skills Replace with other relevant skills not already mentioned. Specify in what context they were acquired.
Example:
▪ carpentry

Driving licence Driving licence category/-ies. : B

ADDITIONAL INFORMATION

Publications Smajlović A: Experimental Biochemistry, Textbook, Off-set Tuzla 2015, ISBN 978-9958-31-223-6; CIP - Cataloging in the publication National and University Library of Bosnia and Herzegovina, Sarajevo 577.1.08 (075.8); COBISS.BH-ID 22427142

Projects Head of a scientific research project entitled "Aerosol Environment In The Tuzla Region (Bosnia and Herzegovina)" (2016-2017) The project was approved by Federal Ministry of Education, Science, Culture and Sports of Bosnia and Herzegovina and Ministry of Science and Technology of the Republic of Slovenia. Duration of the project: 2016-2017.

Head of a scientific research project entitled "Research protein profile, antioxidant capacity and fluorescence spectra of honey samples different in origin." The project was approved by the Federal Ministry of Education and Science in 2012.

Head of a scientific research project entitled "The stability and folding mechanism of bovine serum albumin followed by fluorescence spectroscopy". The project was approved by the Ministry of Education, Science, Culture and Sports of Tuzla Canton for the year 2012.

Participant in the project: "Tissue and circulating interleukin-23 (IL-23) in breast cancer." The project was approved by the Federal Ministry of Education and Science in 2012.

Participant in the project: "The selected point mutation of aromatics in human stefin A and B. The effect on stability, dimerization and protein folding", "Jozef Stefan Institute" Ljubljana, Slovenia " Project duration from 2006-2007 year.

Participant in the project: " Influence of dimerization on activity and stability of human stefin B: studies of mutants and correlation with in vivo conditions", Bilateral Project of Federal Ministry for Education, Science, Culture and Sports of Bosnia and Herzegovina and the Ministry of Science and Technology of the Republic of Slovenia. "Jožef Stefan Institute" Ljubljana, Slovenia, Project duration from 2000-2002 year.

Conferences Srabović N, Softić A, Mujagić Z, Mujanović-Mustedanagić J, **Smajlović A**, Muminović Z "VEGF and VEGFR-1 expression in the primary breast cancer tumor tissue and their correlation with patho-histological factors" International Conference 16th Ružička Days" Today Science - Tomorrow Industry", Vukovar, 21-23.09.2016.

Smajlović A, Džambić A, Dautović E, Jahić A, Softić A, Begić L "Fluorimetric determination of human serum albumin and gentamicin" III congress of pharmacists with international participation, Sarajevo, 14-17.05.2015. 18 (1) supl.1

Softić A Srabović N, Mujanović-Mustedanagić J, **Smajlović A**, Gradašćević-Gubaljević J, Begić L, Mujagić Z "The expression of IL-23 in breast cancer", 3rd congress of pharmacists with international participation, Sarajevo, 14.-17.05.2015 . 18 (1) supl.1

Ahmetović A, Jašić M, Spaseška Aleksovska E, Šabanović M, Cvrk R, **Smajlović A** Chemistry and application of uroantiseptics from food, Food to Health, Proceedings of the Seventh International Symposium, Tuzla, 2014

Hodžić DŽ, Pranjic N, Jašić M, **Smajlović A** Representation of stress on employed and unemployed persons, Food to Health, Proceedings of the Seventh International Symposium Summaries and Works, Tuzla, 2014

Conferences

Smajlović A, Softić A, Arapčić M, Arapčić M, Srabović N, Berbić S, Begić L. Application of fluorescence spectroscopy for authenticating of the botanical origin of honey 3rd Symposium of Environment a potential, sustainable development and Food production, Tuzla, Bosnia and Herzegovina, November 14th – 15th, 2013.

Softić A, **Smajlović A**. Characterization of acacia honey by fluorescence spectroscopy. 3rd Symposium of Environmenta potential, sustainable development and Food production, Tuzla, Bosnia and Herzegovina, November 14th – 15th, 2013.

Smajlović A, Berbić S, Žerovnik E. Human stefin B (cystatin B) as good model system to study amyloid-fibril formation. Sinapsa Neuroscience Conference '11 Central European FENS Featured Regional Meeting, Ljubljana, Slovenia, 22-25 September, 2011, Book of abstract, p 139, MOL-A08.

Smajlović A, Berbić S Žerovnik E. An insight into amyloid fibril formation using human stefin B as model amyloidogenic protein.. Second Congress of Pharmacists of Bosnia and Herzegovina with international participation, Book of Works, 2011 in Banja Luka, 17-20 November

Smajlović A, Berbić S, Žerovnik E. Human stefin B (cystatin B) as good model system to study amyloid-fibril formation. II International Scientific Symposium. Molecular-genetic research today and the possibilities of their applications; 22 October 2010. godine

Kriještorac A, Berbić S, Žerovnik E. Differences in stability and amyloid fibril formation rate of wild-type human stefin B and its site-specific mutant P74S, XIth Symposium on Proteinase Inhibitors and Biological Control, P₂, Portorož, Slovenia, avgust 30 – septembar 3, 2008, Book of abstract

Kriještorac A, Berbić S, Žerovnik E. Differences in stability and amyloid fibril formation rate of wild-type human stefin B and its site-specific mutant P74S XIth Sinapsa Neuroscience Conference, University of Ljubljana, Slovenia, 5th-7th October, 2007, Book of abstract,

Kriještorac A, Berbić S, Kenig M, Žerovnik E. Studies of stability of three site-specific mutants stefin B P79S P36G First Congress of Pharmacists of Bosnia and Herzegovina with international participation, Sarajevo, 2006, Book of Abstracts, about. 52nd

Kriještorac A, Berbić S, Kenig M, Žerovnik E. Dimerization coupled to slow folding of P36G mutant of human stefin B 1st Sinapsa Neuroscience Symposium, Ljubljana, 2005, Book of abstract, p.21

Berbić S, Kenig M, **Kriještorac A**, Begić L, Žerovnik E. Differences in stability and amyloid-fibril formation of two proline mutants of stefin B, 5th Meeting of the Slovenian Biochemical Society with International Participation, Ljubljana, 2003, Book of abstarcts, p. 60

Berbić S, **Kriještorac A**, Kenig M, Begić L, Žerovnik E. Expression of H75W mutant stefin B in *E. coli*; Purification and CD spectra. XVIII. Croatian Meeting of Chemists and Chemical Engineers, Zagreb, 2003; Book of abstracts, p.82.

Kenig A, **Kriještorac A**, Kroon-Žitko L, Berbić S, Turk V, Waltho JP, Žerovnik E Dimerization of human stefin B is accompanied by rearrangements in secondary structure; role of Pro 36 and Pro 79? VIIth International symposium on proteinase inhibitors and biological control, Brdo, 2001; Book of abstracts, p.72.

References

Softić A, Srabović N, Mujanović-Mustedanagić J, Rifatbegović A, **Smajlović A**, Gradašćević-Gubaljević J, Imamović D, Begić L, Mujagić Z "The expression of IL-23 in breast cancer", *Pharmacia*, 2015; 18 (2) 216-220

Smajlović A, Hasanbašić S, Biberović M, Džuzdanović A, Mujagić Z. 5-Fluorouracil and doxorubicin interactions with human serum albumin in mild condition. *PHARMACIA Journal of the Pharmaceutical society of Federation of Bosnia and Herzegovina* 2015; 18 (1), 22-29

Smajlović A, Softić A, Meliha Arapčić, Melisa Arapčić, Srabović N, Berbić S, Begić L. Application of fluorescence spectroscopy for authentication of the botanical origin of honey *TECHNOLOGICA ACTA Journal of Science-professional from Chemistry and Technology Faculty of Technology Tuzla, Tuzla, novembar 2014. 7 (2), 7–13*

References

Smajlović A, Softić A, Berbić S, Begić L, Melisa Arapčić, Meliha Arapčić. Identification of acacia honey by fluorescence spectroscopy *TECHNOLOGICA ACTA Journal of Science-professional from Chemistry and Technology Faculty of Technology Tuzla*, Tuzla, June 2014. 7 (1), 14–18

Smajlović A, Berbić S, Žerovnik E The cross-road between mechanisms of protein folding and aggregation by studies of stefin B (Y31) wild-type variant and its H75 mutant. *Biochemical and Biophysical Research Communications (BBRC)* 2011; 415: 337–341 (**CC, SCI, SCI Expanded, Biosis Previews; impact factor 2,484**)

Smajlović A, Berbić S, Schiene-Fischer C, Tušek-Žnidarič M, Taler A, Jenko-Kokalj S, Turk D, Žerovnik E Essential role of Pro 74 in stefin B amyloid-fibril formation: Dual action of cyclophilin A on the process *FEBS Letters* 2009; 583: 1114-1120 (**CC, SCI, SCI Expanded, Biosis Previews; Impact factor 3,541**)

Kriještorac A, Selma B, Kenig M, Žerovnik E. The kinetics of folding and dimerization of point mutant stefin B P36G. *Saliniana Acta Medica* 2006; 35 (1): 1-11

Selma B, **Kriještorac A**, Kroon-Žitko L, Kenig M, Žerovnik E. Expression of three site-specific mutants stefin B in *E. coli*; Purification and CD spectra. *Acta Medica Saliniana* 2005; 34 (2): 65-75

Kenig M, Berbić S, **Kriještorac A**, Kroon-Žitko L, Tušek M, Pompe-Novak M, Žerovnik E Differences in aggregation properties of three site-specific mutants of recombinant human stefin B. *Protein Science* 2004; 13: 63-70. (**CC, SCI, SCI Expanded, Biosis Previews; Impact factor 4,116**)

Membership

Committee for Quality and internal evaluation of the Faculty of Pharmacy

Doctorate

Smajlović A: " Effect of aromatics, proline, stability and folding mechanism on the amyloid fibrillation; model studies stefin B ." Tuzla: Faculty of Natural Sciences, University of Tuzla, 2010.

Master thesis

Kriještorac A: " Studies of denaturing and kinetics folding stefin B, a protein inhibitor of cysteine proteinase ." Sarajevo: Faculty of Natural Science, University of Sarajevo, 2005.