



Europass Curriculum Vitae



Personal informations

First name and surname **Zlata Mujagić**
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E-mail/Web zlata.mujagic@untz.ba, zlata.mujagic@gmail.com
Nationality BiH
Date and place of birth 17.10.1957., Zagreb, Croatia
sex female

Present position **Full professor of Biochemistry, Faculty of Pharmacy, University of Tuzla**

Work experience

Date 03.04.2013 -
Position Full professor , Department of Biochemistry

Date 24.04.2014 – 15.09.2016.
Position Dean of the Faculty of Pharmacy, University of Tuzla

Date 2006-2013.
Position Associate professor, Department of Biochemistry
Vicedean for research, Faculty of Pharmacy, University of Tuzla
Head of Postgraduate study, Faculty of Pharmacy, University of Tuzla
Head of III cycle, Faculty of Pharmacy, University of Tuzla

Date 1998-2006.
Position Assistant professor, Department of Biochemistry, Faculty of Medicine and Faculty of Pharmacy, University of Tuzla

Date 1996-1998.
Position Higher assistant, Department of Biochemistry, Faculty of Medicine, University of Tuzla

Date 1987-1992.
Position Higher assistant, Department of Biochemistry, Faculty of Medicine, University of Banjaluka

Date 1981-1987.
Position Assistant and higher assistant, Department of Biochemistry, Faculty of Medicine, University of Tuzla

Education and training

Date 12.03.1998.
Qualification PHD (dr sc of pharmaceutical sciences)
Title of doctoral thesis „Clinical evaluation of the circulating levels of PRL, Ca15-3 and CEA in patients with breast cancer“
Institution Faculty of Pharmacy, University of Sarajevo

Date 04.02.1986.
Qualification Master of medical sciences in the Biochemistry field
Title „Plasma levels of gonadotrophins, ovarian hormones and catecholamines in women with hyperprolactinemia“
Institution Faculty of Medicine, University of Tuzla

Date 30.07.1980
Qualification Master of pharmacy (mr ph)
Institution Faculty of Pharmacy, University of Sarajevo

Date 1972-1976.
Institution Grammar School (Gymnasium „Mesa Selimovic“) in Tuzla

Training
1984-1985. Institute for Biochemistry, Clinical University Centre, Sarajevo, B&H
1991-1992. Internal Clinic, Department of Oncology, Clinical Hospital Centre, Banjaluka, B&H

Publications

Scientific papers published in indexed journals (CC, SCI, SCIE, PubMed...)

Šćedrov O, Mehikić S, Čurčić B, Odošić-Begić L, Berbić S, **Čatić Z**. Preparation of blood hydrolisates. Acta Medica Saliniana 1982; 1: 5-16.

Mujagić H, **Mujagić Z**. Detection of pleiotropic drug resistance by the rapid immunofluorescence assay of drug effects on the cell skeleton. Oncology 1991; 48: 202-209.

Mujagić H, Chabner B, **Mujagić Z**. Mechanisms of Action and Potential Therapeutic Uses of Thalidomide. Croatia Medical Journal 2002; 43(3): 274-285.

Mujagić Z, Mujagić H. Diagnostic usefulness of serum carcinoembryonic antigen determinations in breast cancer patients. Bosnian Journal of Basic Medical Sciences 2003; III(2): 30-34.

Mujagić H, Prnjavorac B, **Mujagić Z**, Festa G. Alcohol in alcoholic liver disease is causative factor for development of allergic skin manifestations. Medical Archive 2003; 57(5-6): 273-278.

Mujagić Z, Mujagić H, Prnjavorac B. The relationship between circulating carcinoembryonic antigen (CEA) levels and parameters of primary tumor and metastases in breast cancer patients. Medical Archive 2004; 58(1): 23-26.

Žunić L, Begić L, **Mujagić Z**, Prnjavorac B, Zildžić M, Mulaomerović A. Correlation between body mass index and aminotransferases activity in health adolescents. Medical Archive 2004; 57(5-6): 267-268.

Mujagić Z, Mujagić H. Importance of serum prolactin determination in metastatic breast cancer patients. Croatian Medical Journal 2004; 45 (2): 176-180.

- Mujagić Z**, Mujagić H. The relationship of circulating prolactin levels to the size of primary tumor in breast cancer patients. *Turkish Journal of Biochemistry* 2004; 29(4): 277-281.
- Mujagić Z**, Mujagić H., Prnjavorac B, Circulating levels of prolactin in breast cancer patients. *Medical Archive* 2005; 59(1): 33-5.
- Mujagić Z**, Čičko E, Vegar-Brozović V, Prašo M. Serum levels of glucose and lactate in patients treated under total intravenous anesthesia with propofol-fentanyl and under balanced anesthesia with isoflurane-fentanyl. *Biochemia Medica*, 2007; 17(1): 71-78
- Mujagić Z**, Čičko E, Vegar-Brozović V, Prašo M. Serum levels of cortisol and prolactin in patients treated under total intravenous anesthesia with propofol-fentanyl and under balanced anesthesia with isoflurane-fentanyl. *Central European Journal of Medicine*, 2008; 3(4): 459-463
- Mujagić Z**, Srabović N, Mujagić H. The role of prolactin in human breast cancer. *Biochemia Medica*, 2009; 19(3): 236-49.
- Srabović N, **Mujagić Z**, Mujanović-Mustedanagić J, Muminović Z, Softić A, Begić L. Interleukin 13 expression in the primary breast cancer tumour tissue. *Biochemia Medica* 2011;21(2):131-8
- Srabović N, **Mujagić Z**, Mujanović-Mustedanagić J, Muminović Z, Čičkušić E. Interleukin 18 expression in the primary breast cancer tumour tissue. *Med Glas Med Chamber Zenicko-doboj canton* 2011; 8(1):107-11
- Srabovic N, **Mujagic Z**, Mujanovic-Mustedanagic J, Softic A, Muminovic Z, Rifatbegovic A, Begic L. Vascular Endothelial Growth Factor Receptor-1 Expression in Breast Cancer and Its Correlation to Vascular Endothelial Growth Factor A. *International Journal of Breast Cancer* Volume 2013 (2013), Article ID 746749, 6 pages
<http://dx.doi.org/10.1155/2013/746749>
- Smajlović A, Hasanbašić S, Biberović M, Džuzdanović A, **Mujagić Z**. 5-fluorouracil and doxorubicin interactions with human serum albumin at mild acidic condition. *Pharmacia* 2015; 18(1): 22-29
- Softić A Srabović N, Mujanović-Mustedanagić J, Rifatbegović A Smajlović A, Gradašević Gubaljević J, Imamović D, Begić L, **Mujagić Z** "The expression of IL-23 in breast cancer", *Pharmacia* 2015; 18 (2): 216-220
- Mehikić S, Begić L, **Čatić Z**, Blagojević Z, Vujanović G, Igić R. Biochemical characteristic of pleural effusion. *JMB* 1983; 1: 57-58.
- Mujagić Z**, Mehikić S, Marković D. The Influence of hyperprolactinemia on ovarian function. Book of abstracts of the 4th Congress of the Union of Yugoslav Biochemical Societies, Sarajevo 1986: 161.
- Mehikić S, **Mujagić Z**, Begić L. The influence of alpha-naphthylthiourea on the conversion angiotensin I to angiotensin II *in vivo*. Book of abstracts of the 4th Congress of the Union of Yugoslav Biochemical Societies, Sarajevo 1986: 259.
- Mehikić S, **Mujagić Z**, Berbić S, Begić L. Activity of ACE and LDH in serum and pleural effusion of patients and experimental animals. Book of abstracts of the 18th FEBS Meeting, Ljubljana 1987; 133.
- Mehikić S, **Mujagić Z**, Berbić S, Begić L. The influence of the experimental provoked lung edema on distribution labeled serum albumin. *Yugoslav Medical Biochemistry* 1987; 6/1: 65.
- Mujagić Z**, Mehikić S, Marković D. Hyperprolactinemia and plasma levels of total catecholamines. Book of abstracts of the 18th FEBS Meeting, Ljubljana 1987: 141.
- Mujagić Z**, Mujagić H. Diagnostic and Prognostic Usefulness of Prolactin (PRL) in Breast Cancer (BC). Proceedings of ASCO, San Francisco 2001; 20: 43b.
- Mujagić Z**, Mujagić H. Circulating levels of prolactin as an indicator of effectiveness of therapy in breast cancer patients. *International Journal of Cancer* 2002; Suppl 13: 216.

Mujagić Z, Mujagić H. Prolactin – new tumor marker for breast cancer? Turkish Journal of Biochemistry 2003; 28 (3): 120-121. (oral presentation)

Mujagić Z, Mujagić H. Prognostic significance of circulating levels of prolactin (PRL) in metastatic breast cancer (MBC). Meeting Proceedings of ASCO, Chicago 2003; 22: 49.

Mujagić Z, Mujagić H. The relationship between smoking habits and serum prolactin levels in breast cancer patients. Proceedings of the First Bosnia and Herzegovina Congress of Occupational Medicine with International Participations, Tuzla 2003; 242.

Mujagić Z, Mujagić H. Circulating levels of prolactin in relation to age in breast cancer patients. Proceedings of the First Bosnia and Herzegovina Congress of Occupational Medicine with International Participations, Tuzla 2003; 256.

Čičko E, **Mujagić Z**, Prašo M. Circulating levels of glucose in patients treated under propofol anesthesia and under isoflurane anesthesia. Abstracts of the 15th Meeting of Balcan Clinical Laboratory Federation, Balcan Journal of Clinical Laboratory XIV, Turkey, 2007, 1.

Begić L, **Mujagić Z**, Jašić M, Šabanović M. Food and drug interaction. Book of abstracts "Agrotech", Gradačac, 2007; 195-205, ISBN: 978-9958-633-70-6, UDK: 631/635(063)(082), 664(063)(082), COBISS.BH-ID:15761926

Jašić M, Begić L, **Mujagić Z**, Grujić S. Inhibitors of metabolic enzymes present in food. Book of abstracts "Agrotech", Gradačac, Faculty of Technology, Tuzla, 2008, 174-180.

Jašić M, Begić L, **Mujagić Z**, Grujić S. Xanthine derivatives in food. Book of abstracts "Agrotech", Gradačac, Faculty of Technology, Tuzla, 2008, 185-192.

Srabović N, **Mujagić Z**, Mujanović-Mustedanagić J, Muminović Z, Softić A, Begić L. The interleukins IL-13 and IL-18 in the primary breast cancer tumor tissue. FEBS Journal 2010; 277(suppl.1): 43-44.

Mujagić Z, Srabović N, Čeke D. Modern methods for cytokine determination in tumor tissue and computer analyzes of immunohistochemical microscopic images. Proceedings of the 6th symposium of pharmacists of the Federation BiH, Tuzla, 2010; 23-30.

Hasanbašić N, Jašić M, **Mujagić Z**, Smajlović S. Risks of the excessive ingestion of manganese. Proceedings of the Symposium „Dietetic products in health and disease“, By food to health, Tuzla, 2011; 81-85

Srabović N, **Mujagić Z**, Mujanović-Mustedanagić J, Muminović Z, Softić A, Begić L. Overexpression of IL-13 in patients with invasive ductal breast cancer. Proceedings of the Second congress of pharmacists of Bosnia and Herzegovina with international participation, Banjaluka, 2011; 415-417.

Srabović N, **Mujagić Z**, Mujanović-Mustedanagić J, Softić A, Muminović Z, Rifarbegović A, Begić L. Vascular endothelial growth factor and VEGF receptor-1 (VEGFR-1) in breast cancer. Book of Abstracts of the 32th Balcan Medical Week, Niš, 2012, O39.

Softić A, Srabović N, Mujanović-Mustedanagić J, Smajlović A, Gradašćević-Gubaljević J, Begić L, **Mujagić Z**. The expression of IL-23 in breast cancer. Pharmacia 2015;18 (1) suppl.1

Books

Begić L, Berbić S, **Mujagić Z**, Mehikić S. Handbook of Biochemistry. Ed. "PrintCom", Tuzla, 2003. (University book)

Mujagić H, **Mujagić Z**. Aggressiveness of tumor disease. Ed. "Hamidović", Tuzla, 2003. (scientific monography)

Mujagić Z, Mujagić H. Biochemistry of drugs. Zlata Mujagić i Hamza Mujagić, Tuzla, 2012. (University book)

Mujagić Z, Mujagić H. Biochemistry of cell signal transduction. Zlata Mujagić i Hamza Mujagić, Tuzla, 2012. (scientific monography)

Research Projects

„Preparation of blood hydrolisates ”

Founded by SIZ for science BiH

Date: 1979–1982.

(research worker in the Project)

„Synthesis of the new coumarine derivatives with potential antitumor activity“

Founded by SIZ for science BiH

Date: 1988–1990.

(investigator in the Project)

„The role of the cystatin C in diagnosis of lymphoma“

Founded by Federal Ministry of education and science B&H and the Ministry for science and technology of the Republic of Slovenia

Date: 2008-2009.

(investigator in the Project)

„Investigation of the presence of IL-13 and IL-18 on the tissue samples of the primary breast cancer tumor “

Founded by Ministry of education and science, Canton Tuzla

Date: 2007-2008.

(Head of the Project)

„Serum levels of cyctatin C and IL-6 in patients with B non-Hodgkin lymphomas“

Founded by Federal Ministry of education and science B&H

Date: 2009-2010.

(investigator in the Project)

„Vascular endothelial growth factor (VEGF) and breast cancer: investigation of the presence of VEGF and its receptors on the tissue samples of the primary tumor and their comparison with circulatings levels of VEGF“

Founded by Federal Ministry for education and science B&H

Date: 2010-2011.

(Head of the Project)

„Studies of stability and of folding mechanisms of bovine serum albumin by fluorescent spectroscopy monitoring“

Founded by Ministry of education and science, Canton Tuzla

Date: 2012-2013.

(investigator in the Project)

„Tissue and circulating IL-23 in breast cancer “

Founded by Federal Ministry for education and science B&H

Date: 2012-2013.

(investigator in the Project)

„Modernization of the education and research process on the Faculty of Pharmacy“

Founded by Federal Ministry for education and science B&H

Date: 2010-2011.

(Head of the Project)

Honours and awards

Included, according to internationally verified research work, in some world biographical databases: Marquis Who's Who in the World, Cambridge Biographical Centre (CBC), and American Biographical Institute (ABI)

Winner of the award „Gold medallion of the University of Sarajevo“ for excellent success (mean mark 9,74) during whole studies at the Faculty of Pharmacy University of Sarajevo

Memberships

Pharmaceutical chamber of Tuzla Canton

Chamber of masters of pharmacy of the FB&H, (member of the Board for continuing education)

Biochemical Society of FB&H

Member of the Editorial Board of the scientific journals: Biochemia Medica (BM) and Journal of Research in Pharmaceutical Sciences (JRPS)

Occasional Reviewer for scientific journals: Clinical Biochemistry, International Journal of Science (IJS), Biochemia Medica, Turkish Journal of Biochemistry, Acta Medica Saliniana

Participating in the teaching process

In Teaching Courses (partial/whole):

Biochemistry II, Clinical Biochemistry I, Clinical Biochemistry II, Biochemistry of Drugs
Faculty of Pharmacy, University of Tuzla, integrated I and II study cycle

Biochemistry in Pharmacy, Clinical Pharmacy and Pharmaceutical care
Faculty of Pharmacy, University of Tuzla, III study cycle

Fundamentals of Biochemistry, General Biochemistry and Food Biochemistry, Food Biochemistry
Faculty of Technology-Food technology, University of Tuzla, I study cycle

Biochemistry of food digestion and food metabolism
Faculty of Technology-Food technology- Nutritionism, University of Tuzla, II study cycle

Mentor of master and doctoral theses

Master theses

„Hormonal and metabolic response to surgical trauma in patients treated under total intravenous anesthesia and under balanced anesthesia“

Candidate: dr med Elsada Čičko
Medical Faculty, University of Tuzla, 2004.

„Investigation of the presence of IL-13 and IL-18 on the tissue samples of the primary breast cancer tumor“

Candidate: Nahida Srabović, prof. of chemistry,
Faculty of Pharmacy, University of Sarajevo, 2010.

„Circulating levels of fibrinogen and C-reactive protein in patients with breast cancer“

Candidate: mr ph Nada Skokić, spec. of Medical Biochemistry

Faculty of Pharmacy, University of Tuzla, 2015.

Doctoral thesis

“Investigation of the presence of the vascular endothelial growth factor (VEGF) and its receptors on the tissue samples of the primary breast cancer tumor and their comparison with circulating levels of VEGF“

Candidate: mr sc Nahida Srabović

Faculty of Pharmacy, University of Tuzla, 2013.

„Clinical evaluation of the circulating levels of interleukin 6 (IL-6) and interleukin 10 (IL-10) in patients with malignant skin tumors“

Candidate: dr med Damira Kadić, spec. of Medical Biochemistry

Faculty of Medicine, University of Tuzla

„Biochemical parameters of surgical stress in relation to the kind of anesthesia in patients with breast cancer“

Candidate: mr sc Elsada Čičko, spec. of Anesthesia and Reanimation

Faculty of Medicine University of Tuzla

Research and profesonal competentions

Mentor of master and doctoral thesis

Head and/or investigator in research and professional projects

Head of Postgraduate study and Doctoral study

Head and/or participant in many teaching courses of I, II and III study cycle

Mentor of diploma degree thesis

Author and/or co-author of many research papers, congress abstracts, books, research monographies, professional papers.

Included, according to internationally verified research work, in some world biographical databases: Marquis Who's Who in the World; Cambridge Biographical Centre (CBC), and American Biographical Institute (ABI)

Member of the Editorial Board of scientific journal Biochemia Medica (BM)

Occasional Reviewer for some scientific journals: Clinical Biochemistry, International Journal of Science (IJS), Biochemia Medica, Turkish Journal of Biochemistry, Acta Medica Saliniana

Winner of the award „Gold medallion of the University of Sarajevo“ for excellent success (mean mark 9,74) during whole studies at the Faculty of Pharmacy University of Sarajevo

Focus of research interest: tumor biochemistry, drug biochemistry, biochemistry of disease

Personal skills

Mother tongue

Bosnian

Other languages

English-C2 level

Other skills

Organizational / managerial skills
Computer skills
Technical skills
Driving car license (B)

Annexes

Copies of degrees and qualifications
Documents of employment or work placement;
Copies of publications (research and professional)
Confirmation letters from Marquis Who's Who, CBC and ABI

