**NAME AND SURNAME: Hurija Džudžević-Čančar**

**Work experience:**

* 2017. to now – Associate Professor; University of Sarajevo, Faculty of Pharmacy, Department

of Natural scince in Pharmacy

* 2017. to now – Associate Professor, University of Sarajevo, Faculty of Science, Department of

Chemistry (IV generation of PhD Studies).

* 2012.-2017. – Assistant Professor;University of Sarajevo, Faculty of Pharmacy, Department

of Natural scince in Pharmacy

* 2015.-2017. - Assistant Professor;University of Sarajevo, Faculty of Science, Department of

Chemistry (III generation of PhD Studies).

* 2005.-2012. - Senior Assistent; University of Sarajevo, Faculty of Pharmacy, Depatment of

Natural scince in Pharmacy

2005.-2007. - Senior Assistent at Faculty of sciencie, Chemistry department

* 2004.-2005. - Assistent; Depatment of Natural scince in Pharmacy
* 1995.-2003. - Following my husband who was appointed as Ambasador of B&H in Qatar and

UAE (Ministry of Foreighn Affairs of B&H).

* 1993.-1994. - Research assistent; Department of Chemistry, Faculty of Science at Bilkent

University, Ankara, Turkey

* 1991.-1992. - Research assistent and PhD student (field of Physical Chemistry) at

Department of Chemistry, Faculty of Science, Sarajevo.

* 1987.- 1991.- Research assistent at the Department of Technology at Faculty of Mining and

Metallurgy - in Mitrovica (fields of Physical Chemistry and Electrochemistry).

**Education:**

* 2012. Doctor of Chemical Sciences

Thesis: „Determination of *tau protein and beta amyloid (1-42) in liquor (CSF) in Alzheimer’s disease“* Faculty of sciencie, Chemistry department, University of Sarajevo, Faculty of Science, Department of Chemistry

* 1991. Master of Chemical Sciences

Thesis: **„***Effect of temperature on counter ion binding in sodium and*

*magnesium poly(styrenesulphonate) solutions*.**“** University of Ljubljana, Faculty

of Chemistry and Chemical Technology, Department of Physical Chemistry

* 1986. Degree in Chemical Engineering

Faculty of Mining and Metallurgy, Department of Technology, Mitrovica, Kosovo

**Study abroad:**

* 2019. 10.–15.6. -Ruđer Bošković Institute, Division of Organic Chemistry and Biochemistry, Marine Bioprospecting Science Center -BioPrpCro, Bijenička cesta 54, 10 000 Zagreb, Croatia.
* 2019. 30.3.–06.4. - Ruđer Bošković Institute, Division of Organic Chemistry and Biochemistry, Marine Bioprospecting Science Center -BioPrpCro, Bijenička cesta 54, 10 000 Zagreb, Croatia.
* 2019. 27.1.–27.2. - University of Ljubljana, Faculty of Chemistry and Chemical Technology, Večna pot 113, 1 000 Ljubljana, Slovenia (Visiting professor).
* 2018. 05.–12.5. - University of Split, Faculty of Chemistry and Technology, Ruđera Boškovića 35, 21 000 Split.
* 2015. 01.06-30.08.- Miedle East Technical University, Faculty of Science, Department of Chemistry, Dumlupınar Blv. No:1, 06800 Çankaya/Ankara, Turkey.
* 2008. 20.05- 07.07.- Veterinary Medical University Vienna, Department of Natural Sciences, Institute for Medical Chemistry, Head Neurochemistry Section., Veterinärplatz 1; 1210 Vienna, Austria.

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**Academic/teaching work:**

Subjects: Integrated studies at Faculty of Pharmacy

* Organic chemistry I, Organic chemistry II,
* Mechanisms of synthesis of biologically active compounds

Subjects:

PhD studies at Faculty of Pharmacy

• Extraction of essential oils from plant material and chemical characterization

• Microwave-assisted synthesis of biologically active compounds in line with the principles of Green Chemistry

PhD studies at Faculty of sciencie, Chemistry department

* CSF biomarcers of Alzheimers dementia
* Microwave-assisted synthesis of biologically active compounds in line with the principles of Green Chemistry

**Other academic positions and involments:**

* 2015-2017-2019 – Member of Comitee of Employees at Faculty of Pharmacy
* 2015- to now – Member of the Society for Medical and Biological Engineering of Bosnia and

Herzegovina,

* 2013-to now - Member of the Society of Chemists and Technologists of Canton Sarajevo,

Bosnia and Herzegovina

* 2010- to now - Member of Organization BIGMEV - Center for Development of Relations

between Turkey and BiH

* 2008- to now - Authorized lecturer in the field of "Metrology in Chemistry" licensed by IRMM-

Institute for Reference Materials and Measurements, European Commission,

Belgium.

* 2007- to now- Member of the Bosnian National Team for "Metrology in Chemistry"

**Projects:**

* 2019-2021- Project manager (B&H) of “Erasmus+ programme: Key Action 1 – Mobility for learners and staff – Higher Education Student and Staff Mobility” between Slovak University of Technology-Faculty of Chemical and Food Technology Bratislava, Slowakia (Project manager (SK): prof.dr. Ivan Spanik) and University of Sarajevo-Faculty of Pharmacy, Sarajevo, BiH

Financier: Europian Union

* 2018-2019- Associate on the project "Determination of the content of macro and microelements in selected samples of wild and grown representatives of the genus Mentha from BiH".Project leader: Prof. Dr. Šaćira Mandal

Financier: Federal Ministry of Education and Science of BiH, B&H

* 2017-2018 – Procect leader on the project "Extraction and determination of antiproliferative, antioxidant and antimicrobial activity of blackthorn (Prunus spinosa L.) flower, leaf and fruit extracts from Bosnia and Herzegovina". Project leader: Prof. Dr. Hurija Džudžević-Čančar

Financier: Federal Ministry of Education and Science of BiH

* 2017-2018 - Project leader "Extraction, chemical characterization and antioxidant activity of blackthorn (Prunus spinosa L.) flower, leaf and fruit essential oils from Bosnia and Herzegovina". Project leader: Prof. Dr. Hurija Džudžević-Čančar

Financier: Ministry of Education, Science and Youth of Sarajevo Canton, B&H

* 2015- Associate on the project: „ECOPIX FP7-SME-2013: Research for SMEs (OYP-Research & Development)“ Middle East Technical University, Faculty of Science, Department of Chemistry (Toppare Research Group) Ankara, Turkey. Project leader: prof. dr. Levent Toppare.

Financier: European Union, Brisel

* 2013-2014- Associate on the project: „New analogues of acyclic nucleosides - synthesis, structure and biological activity"- Project leader prof.dr. Selma Špiritović.
* 2009-2010-2011- Associate on the project “*Experimental models of Alzheimer’s disease and cerebral diabetes related disorders*” within the DAAD programme” Stability Pact for South Eastern Europe”. Project leader: prof. dr. Emin Sofić.

Financier: DAAD, Germany

* 1993-1994- Associate on the project: “*F.T.I.R. Spectroscopy researching structure of conductive polimers”* (i.c.Ppy, PTh, Pan.), Department of Chemistry, Faculty of Science at Bilkent University, Ankara, Turkey. Project leader: prof. dr. Sefik Suzer.

Financier: TUBITAK

* 1993-1994 “*Electrochemical synthesis of conductive polymers and their composite with insulative polymers*” (i.c. PPy/PA, PPy/PC, PTh/PA, PTh/PC.) Middle East Technical University, Ankara, Turkey. Project leader: prof. dr. Levent Toppare.

Financier: TUBITAK

* 1990-1991- Associate on the project: USA-Yugoslav Joint Fund for Scientific and Technological Cooperation (G.N. 8711845 i 8717984,) Univerzitet u Ljubljani, Slovenia. Project leader: prof. dr. Vojko Vlachy.

Financier: Government of USA.

**Selected publications:**

1. Š. Mandal, A. Alispahić, A. Dedić, H. Džudžević Čančar (**2019**). Spectrophotometric determination of magnesiun oxide content in supplements of magnesium, Kem. Ind. 68 (5-6): 197–200 https://doi.org/10.15255/KUI.2018.046

(Web of Science™ Core Collection (ESCI), Analytical Abstracts, Cabell's Directory, Chemical Abstracts, Chemical Engineering Abstracts, Chemical Engineering and Biotechnology Abstracts, Chemischer Informationsdienst, EBSCO Host – Academic Search Complete, EBSCO Host – Academic Search Premier itd).

1. Etminan, A., Uzunović, A., Topčagić, A., Žero, S.1 , Dizdar, M., Klepo, L., Čulum, D., Džudžević-Čančar, H., Tahirović, I.\*(**2019**) Quantification of active substances in some drugs using by derivative UV/Vis spectroscopy, IFMBE Proceedings, *Springer Nature*, Singapore Pte Ltd. 62: pp 744-755.(Web of Science®-SCI Expanded).
2. Džudžević Čančar H., Dedić A, Alispahić A., Muratović S., Tahirović I. (**2018).** Chromatographic and spectroscopic characterisation of lycopene extracted from fresh and thermally processed tomate fruit. Research Journal of Pharmaceutical, Biological and Chemical Sciences; 9 (6): 1094-1102

(Thomson Reuters "Web of Science" (ESCI), NCBI NLM Catalogue, EMBASE (Elsevier), SCIMAGO, CAS, Citefactor, CABI, Google Scholar, Open J-Gate, Biblioteca, Science Central, Index Scholar, AYUSH Research Portal, Indexed Copernicus, EBSCO, PSOAR, Ulrichs Directory of Periodicals, SIA etc.)

1. E. Kahrović, A Zahirović, Š. Kadrić, E. Turkušić, I. Osmanković, H. Džudžević Čančar (2017). Structural feature of calf thymus deoxyribonucleic acid-ruthenium(II) interaction in aqueous solution by difference Fourier transformed infrared spectroscopy, Spectroscopy Letters, 50:8, 426-431, *Spectroscopy Letters*, 50:8, 426-431. (*Current Contents Connect;* DOI: 10.1080/00387010.2017.1350720).
2. S. Mandal, A. Causevic, **H. Dzudzevic-Cancar,** and S. Semiz (**2017**). Free fatty acid profile in Type 2 diabetic subjects with different control of glycemia. IFMBE Proceedings, *Springer Nature*, Singapore Pte Ltd. 62: pp 781-786.(Web of Science®-SCI Expanded).
3. Hurija Dzudzevic Cancar, Saniye Soylemez, Yeliz Akpinar, Melis Kesik, Seza Göker, Gorkem Gunbas, Murvet Volkan, and Levent Toppare**\* (2016).** A Novel Acetylcholinesterase Biosensor: Core−Shell Magnetic Nanoparticles Incorporating a Conjugated Polymer for the Detection of Organophosphorus Pesticides. *ACS Appl. Mater. Interfaces*, 8, pp: 8058−8067. (*Current Contents Connect;* P.E.ISSN: 1944-8244; W.E.ISSN:1944-8252).
4. Emira Kahrović, Emir Turkušić, Adnan Zahirović, Sabaheta Bektaš, Hurija Dzudzevic Cancar **(2016).** Evidence on Antimicrobial Activity of Sodium Dichlorobis[N-phenyl-5-chlorosalicylideneiminato-N,O]ruthenate(III) against Gram-positive Bacteria. *Der Pharma Chemica*, 8 (6), 174-178. *(*Web of Science® - SCI Expanded,  *USA CAS, ISSN: 1944-8252).*
5. **Džudževic, H.,** Vlachy, V., Bratko, D. **(1991)** Effect of temperature on electrical transport and ion binding in poly(styrenesulphonate) solutions. *Europian Polymer J.,* **27**, 1195-1200, *ElSevier*, (*Current Contents Connect).*
6. Emira Kahrović, Emir Turkušić, Adnan Zahirović, Sabaheta Bektaš, **Hurija Dzudzevic Cancar (2016).** Evidence on Antimicrobial Activity of Sodium Dichlorobis[N-phenyl-5-chlorosalicylideneiminato-N,O]ruthenate(III) against Gram-positive Bacteria. *Der Pharma Chemica*, 8 (6), 174-178. *(*Web of Science® - SCI Expanded,  *USA CAS, ISSN: 1944-8252).*
7. Petinac, S., Mulaosmanović, E., Mahmutović, O., Omerović, S, **Džudžević Čančar, H**.\* (**2015**)**.** Validation of method for the determination of mercury in the auxiliary substances azorubine 21%and azorubine 85% using cold-vapor atomic absorption spectrometry. *Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, 44,* 39-42. *(CAS,* Ebsko Host).

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