

## CURRICULUM VITAE

Prof. Selma Uzunović, MD, MA, PhD

**Permanent address** Institute for Health and Food Safety, Department for Laboratory Diagnostics;  
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**Home address** Zukići 38, 72000 Zenica, B&H

**Place and date of birth:** 23. 01 1957, Zenica, B&H

### POSITIONS HELD

Chief (and founder) Laboratory for sanitary and clinical microbiology, Department for Laboratory Diagnostics, Institute for Health and Food Safety, Zenica, B&H, 1988-present  
Health Care Center Zenica, B&H, 1980-1984;

### EDUCATION

**1999**

School of Medicine, University of Zagreb, Croatia, Ph. D. thesis:

**"*Campylobacter jejuni* / *Campylobacter coli* carriage in Zenica region"**

**1988**

School of Medicine, University of Zagreb, Croatia, M.A. thesis:

**"Identification of beta-haemolytic streptococci by testing the influence of glucose and deoxyribonucleic acid on their haemolytic activity "**

**1985-87**

Postgraduate study in Microbiology and parasitology, School of Medicine, University of Zagreb, Croatia

**1985-88**

Republic Institute for Public Health Zagreb, Croatia, School of Medicine, University of Zagreb, Croatia. Resident in Microbiology and parasitology

**1978-79**

Junior ass. of pathology, Institute of Pathology, School of Medicine, University of Zagreb, Croatia

**1976-1978**

Junior ass. of anatomy, Institute of Anatomy, School of Medicine, University of Zagreb, Croatia

**1975-80**

School of Medicine, University of Zagreb, Croatia

**1971-75**

Gymnasium, Zenica, B&H

## **Continuing education credits**

### **2013**

Responsibility for the implementation of quality audit in the Laboratory: Integral system of quality control processes of BAS EN ISO 9001:2009 and BAS EN ISO/IEC 17025:2006;

Good command of quality control processes and implementation of ISO 9001:2000

### **2010**

OPENOFFICE 3.1.1, OpenOffice.org.Writer. Cady doo, Consulting reengineering training, Sarajevo; Zenica, B&H

### **2009**

International annual meeting and scientific workshop: Sterilization and disinfection in health care organisation. Croatian forum for medical Sterilisation, World forum for Hospital Sterile Supply, Opatija, Croatia.

### **2008**

Quality management system and application of ISO 9001:2000. Cady doo, Center for business system development Sarajevo, B&H

### **2004**

Postgraduate and continuous medical education of First category: Infection of biomaterials. University of Zagreb, Croatian Medical Association, Croatian Society of Microbiology, Zagreb, Croatia

### **2000**

Bacteriological control of drinking water Program . International Red Cross. Institute for virology and immunology "Torlak", Beograd, Yugoslavia

### **1999**

Digene Hybrid Capture System II. Training, ABBOTT Laboratories, Zenica, B&H

### **1996**

DOS and Windows, Word, Excel, Access, Introduction to Internet. Benevolence International Foundation; Zenica, B&H

### **1986-87**

English language course I, II. SUVAG, Zagreb, Croatia

### **1981- 82**

English language course I, II, III. University "Đuro Đaković" Zenica, BiH

## **HONORS AND AWARDS**

**International scientists of the year award.** International Biographical Centre, Cambridge, England, 2007

**Leading educators of the world 2007,** award. International Biographical Centre, Cambridge, England, 2007

**21<sup>st</sup> Century award for achievement.** International Biographical Centre, Cambridge, England, 2007

**Outstanding intellectuals of the 21<sup>st</sup> Century.** International Biographical Centre, Cambridge, England, 2007.

**21<sup>st</sup> Century award for Achievement in Science, 2005-2006.** International Biographical Centre, Cambridge, England.

**Leading Scientists of the world 2005,** award. International Biographical Centre, Cambridge, England.

### **CV published in:**

**Who`s Who in Science and Engineering.** Marquis: 2005-2006 (8<sup>th</sup> ed.), 2006-2007 (9<sup>th</sup> ed.), 2008-2009 (10<sup>th</sup> ed.)

**Who`s Who in Medicine and Healthcare.** Marquis 2006-2007 (6<sup>th</sup> ed.)

**Who`s Who in America.** Marquis: 2009 (63<sup>rd</sup> ed.)

**Who`s Who in the World.** Marquis: 2006 (23<sup>rd</sup> ed.), 2007 (24<sup>th</sup> ed.), 2009 (26<sup>th</sup> ed.)

**Top 100 health professionals 2007.** International Biographical Centre, Cambridge, England, 2007.

**2000 Outstanding intellectuals of the 21<sup>st</sup> Century.** International Biographical Centre, Cambridge, England, 2006.

**Cambridge Blue Book Woman of the Year 2005 award.** International Biographical Centre, Cambridge, England.

Scientific Abstracts in: **CSA (Cambridge Scientific Abstract):** Bacteriology Abstracts (Microbiology B)

**2000**

``Women 21``, Sarajevo, ``Gold ring`` award for the most successful women of Bosnia and Herzegovina in the science

**1999**

School of Public Health, Andalusia, Spain. Certificate for participating in: B&H Public health Integrated programme; supervising, Zenica. B&H

### **PROFESSIONAL SUPERVISING**

**2004-2005**

Microbiology laboratory, "Pharmamed", Travnik (supervising)

**2003-**

Laboratory for sanitary microbiology, Public Health Institute SBK/ŽSB Travnik (supervising)

**1999**

School of Public Health, Andalusia, Spain. Project: B&H Public health Integrated programme.

Education and training of physicians and laboratory workers

In B&H. Zenica, B&H

**1988 -**

Education, training and laboratory practice of the physicians and laboratory workers

### **ACTIVITY**

**2006-**

Implementation of European antimicrobial resistance and surveillance system (EARSS) in Bosnia and Herzegovina (BH representative)

**1999- 2001**

Introducing of new approach in diagnostic, curing and education of the woman with cervical cancer in B&H

**1999-2008**

Improving of gastrointestinal infection diagnostics - *Campylobacter jejuni/coli* in clinical specimens, food and water

**1996-**

Introduction of laboratory-based surveillance of antibiotic susceptibility of urinary tract infections, gastrointestinal and other infections

### **OTHER ACTIVITIES**

**2014-16**

Vice Dean, School of Medicine, American Northwest University, Travnik, B&H

**2011-2013**

Vice Dean, Faculty of Health Care and Nursing, University "VITEZ", Vitez, B&H

**2010-**

Member of Senate, University "VITEZ", Vitez, B&H

**2007-08**

Vice Dean for Science, Faculty of Health, University of Zenica, Zenica, B&H

### **TEACHING EXPERIENCE**

#### **UNDERGRADUATE TEACHING**

**2014-2015**

Professor (lecturer) at the undergraduate study course in Basic Medical microbiology and Immunology at the School of Medicine, American Northwest University Travnik, B&H

**2013-**

Guest professor, School of Medicine, University "Josip Juraj Strossmayer", Microbiology Department, Osijek, Croatia

**2010-**

Professor at the undergraduate study course in Microbiological analyses of food and water, Faculty for Health Care and Nursing, University "VITEZ", Vitez, B&H

**2009-**

Professor (lecturer) at the undergraduate study course in Desinfection, Disinsection, Deratization, Faculty for Health Care and Nursing, University "VITEZ", Vitez, B&H

**2008-**

Professor (lecturer) at the undergraduate study course in Microbiology, Faculty for Health Care and Nursing, University "VITEZ", Vitez, B&H

**2005-**

Professor (lecturer) at the undergraduate study course in Medical microbiology and parasitology and Immunology, Faculty of Health, University of Zenica, Zenica, B&H

## **POSTGRADUATE TEACHING**

**2012/13**

Lecturer at the postgraduate study: Medical microbiology and parasitology, School of Medicine, University of Zagreb, Croatia

**2008/09**

Lecturer at the postgraduate study: "Scientific Research in Biomedicine", University of Zenica, Zenica:

Host - Lecturer at postgraduate study course "Infections"

Host - Lecturer at postgraduate study course "Publishing in scientific journals"

Host - Lecturer at postgraduate study course "Methodology in scientific research"

## **MASTER study**

**2011-**

Lecturer at the Master study course in: Methodology of scientific research in medicine; Faculty of Health Care and Nursing, University of "VITEZ", Vitez

**2008-**

Host Lecturer at the Master study course in Clinical microbiology, Faculty of Health, University of Zenica, Zenica

Host Lecturer at the Master study course in "Publishing in scientific journals", Faculty of Health, University of Zenica, Zenica

## **MENTORSHIP EXPERIENCE**

### **Bachelor's degree Thesis**

1. Anida Alić. **Sanitarno-tehnički i higijenske karakteristike vodoopskrbnih objekata i mikrobiološka ispravnost vode za piće u općini Zenica u periodu 2008-2015.** Godine Fakultet zdravstvene njege, Sveučilište/Univerzitet "Vitez" Vitez, 2016.
2. Arjana Merdić. **Prevalence and etiology of contamination of biscuits, wafers and bakings in the Zenica-Doboj Canton, 2010-2013.** Faculty of Health Care and Nursing, University "Vitez" Vitez, 2015.
3. Lamija Kubat. **Prevalence and detection of yeasts and molds in bakeries according to new standards in the Zenica-Doboj Canton.** Faculty of Health Care and Nursing, University "Vitez" Vitez, 2015.

4. Anita Lozić. **Prevalence and detection of *Salmonella* spp. in meat samples according to new standards in the Zenica-Doboj Canton.** Faculty of Health Care and Nursing, University "Vitez" Vitez, 2015.
5. Sunita Baručija. **Significance of bacterial contamination in frozen products in the Zenica municipality during the period 2012 -2013.** Faculty of Health Care and Nursing, University "Vitez" Vitez, 2015.
6. Morena Ulaković. **Prevalence and antimicrobial susceptibility of beta-lactamase producing bacteria isolated from umbilicus of newborns in the period December 2009 to May 2010.** Faculty of Health Care and Nursing, University "Vitez" Vitez, 2014.
7. Alisa Mujagić. **Etiology of infections caused by Gram-negativ bacteria at Cantonal Hospital Zenica in the perio 2009-2010.** Faculty of Health Care and Nursing, University "Vitez" Vitez, 2014.
8. Arnela Šabić. **Microorganisms cause spoilage of milk and milk products.** Faculty of Health Care and Nursing, University "Vitez" Vitez, 2014.
9. Ajdin Mehić. **Microbiological quality of water supply "Plava voda" Travnik in the period 2009-2011.** Faculty of Health Care and Nursing, University "Vitez" Vitez, 2014.
10. Senja Jajčević. ***Staphylococcus aureus* carrier in food handlers of Zenica-Doboj Canton in the 2004 – 2008 period.** Faculty of Health, University of Zenica, Zenica, 2014.
11. Sunita Delić. **Epidemiological features of drinking water in schools in the area Zenica in the 2008 – 2010 periods.** Faculty of Health Care and Nursing, University "Vitez" Travnik, 2013.
12. Dželila Dizdarević. **Epidemiological features of drinking water in schools in the North area of Zenica-Doboj Canton in the 2008 – 2010 periods.** Faculty of Health Care and Nursing, University "Vitez" Travnik, 2013.
13. Majda Mulić. **The comparision of disk-diffusion, E-test and minimally inhibitory concentration for the detection of methicillin-resistant *Staphylococcus aureus* (MRSA).** Faculty of Health, University of Zenica, Zenica, 2013.
14. Sanid Kvirgić. **Identification and antimicrobial resistance of extended spectrum beta-lactamase (ESBL) producing bacteria caused surgical infections in hospital and community settings in Zenica-doboj Canton.** Faculty of Health, University of Zenica, Zenica, 2013.
15. Emir Aščić. **Hygiene principles of Travnik cheese according to *Codex alimentarius*.** Faculty of Health Care and Nursing, University "Vitez" Vitez, 2013.
16. Almin Varupa. **Sanitary surveillance of animal slaughtering and row meet production in B&H.** Faculty of Health Care and Nursing, University "Vitez" Vitez, 2013.
17. Azra Hodžić. **Probiotics.** Faculty of Health Care and Nursing, University "Vitez" Vitez, 2013.
18. Sanita Sejdinoska. **Prevalence, identification and antimicrobial susceptibility of *Streptococcus faecalis* in water samples of Zenica-Doboj Canton.** Faculty of Health Care and Nursing, University "Vitez" Vitez, 2013.
19. Hadisa Delić. **Microbiological characteristics of drinking water of the municipality Busovača population in the period 2008-2010.** Faculty of Health Care and Nursing, University "Vitez" Travnik (2012).
20. Narisa Kovačević. **Epidemiological characteristics of diseases caused by contaminated food in community of Zenica in the period 2007 – 2010.** Faculty of Health Care and Nursing, University "Vitez" Travnik, 2012.
21. Emina Bojić. **Bacteriological quality and epidemiological characteristics of drinking water in the five municipalities of Zenica - Doboj Cantonin in the period 2008-2010.** Faculty of Health Care and Nursing, University "Vitez" Travnik, 2012.
22. Harun Kovač. **Methicillin-resistant *Staphylococcus aureus* (MRSA) in outpatients of Zenica-doboj Canton in the 2003–2005 period.** Faculty of Health, University of Zenica, Zenica, 2011.

23. Adisa Kolić. **Microbiological quality of meat and meat products in markets in the Zenica-Doboj Canton during 2008-2009 period.** Faculty of Health, University of Zenica, Zenica, 2011.
24. Andrea Todorović. **Microbiological quality of prepared meals in the Zenica-Doboj Canton during 2008-2009 period.** Faculty of Health, University of Zenica, Zenica, 2011.
25. Midheta Pašalić. **Microbiological quality of milk and milk products in the Zenica-Doboj Canton during 2008-2009 period.** Faculty of Health, University of Zenica, Zenica, 2011.
26. Edina Skopljak. **Microbiological quality of ice cream in the Zenica-Doboj Canton during 2007-2009.** Faculty of Health, University of Zenica, Zenica, 2011.
27. Manja Kunarac. **Testing of oxacilin resistance and inducible resistance to clindamycin of *Staphylococcus aureus* isolates.** Faculty of Health, University of Zenica, Zenica, 2011.
28. Edina Garanović. **Microbiological quality of swabs taken from surfaces in restaurants in the Zenica-Doboj Canton during 1998–2007.** Faculty of Health Care and Nursing, University "Vitez" Travnik, 2011.
29. Sanita Sejdić. **Microbiological quality of prepared meals in public eating establishments in the Zenica-Doboj Canton during 2010.** Faculty of Health Care and Nursing, University "Vitez" Travnik, 2011.
30. Dženita Sarajlić. **Microbiological quality of ice cream and cakes in markets in the Zenica-Doboj Canton during 2010.** Faculty of Health Care and Nursing, University "Vitez" Travnik, 2011.
31. Ilma Šakić. **Microbiological quality of meat and meat products in markets in the Zenica-Doboj Canton during 2010.** Faculty of Health Care and Nursing, University "Vitez" Travnik, 2011.
32. Fatima Smriko. **Bacteriological quality of drinking water in Zenica-Doboj Canton in the 2008 – 2009 period.** Faculty of Health Care and Nursing, University "Vitez" Travnik, 2011.
33. Zlata Šiljak. **Prevalence and antimicrobial resistance of extended spectrum beta-lactamase (ESBL) producing bacteria caused urinary tract infections in hospital and community settings in Zenica-doboj Canton during 2010.** Faculty of Health, University of Zenica, Zenica, 2011.
34. Aida Hutinović. **Antibiotic resistance of coliform organisms from community-acquired urinary tract infections in the outpatient male population of Zenica-Doboj Canton, Bosnia and Herzegovina in the 2004 period.** Faculty of Health, University of Zenica, Zenica, 2009.
35. Nermin Ibranović. **Antibiotic resistance of coliform organisms from community-acquired urinary tract infections in the outpatient female population of Zenica-Doboj Canton, Bosnia and Herzegovina in the 2004 period.** Faculty of Health, University of Zenica, Zenica, 2009.
36. Elsa Hasić. **Etiology and antimicrobial resistance of surgical site infections in the outpatient population of Zenica-Doboj Canton, Bosnia and Herzegovina in the 2002–2007 period.** Faculty of Health, University of Zenica, Zenica, 2009.
37. Azra Husković. **Ethiology of urinary tract infections in outpatients during 2004 in Zenica-Doboj Canton, Bosnia and Herzegovina.** Faculty of Health, University of Zenica, Zenica, 2008.
38. Mirela Čabaravdić. **Extended spectrum beta-lactamases (ESBL) of gram-negative inpatient isolates in Zenica-Doboj Canton, Bosnia and Herzegovina.** Faculty of Health, University of Zenica, Zenica, 2008.
39. Venad Drinić. **Bacteriological quality of drinking water in Zenica-Doboj Canton, Bosnia and Herzegovina in the 2007.** Faculty of Health, University of Zenica, Zenica, 2008.
40. Mersiha Odošević. **Antibiotic resistance of urinary tract infections outpatient isolates of preschool children in Zenica-Doboj Canton, Bosnia and Herzegovina during 2004.** Faculty of Health, University of Zenica, Zenica, 2008.

41. Sabina Lagumdžija. **Primary and secondary resistance of *Mycobacterium tuberculosis* in Zenica-Doboj Canton, Bosnia and Herzegovina in the 2005- 2007 period.** Faculty of Health, University of Zenica, Zenica, 2008.

**Bachelor's degree Thesis Member of Commission**

1. Elvedin Durić. The role of nose sampling in ambulatory patients with nasal and sinus infections. Faculty of Health Care and Nursing, University "Vitez" Travnik, 2014 (Chearpearson).
2. Adnan Ćerim. Uloga i značaj EFSA, WHO i codex alimentarius oblasti mikrobiološke procjene rizika. Faculty of Health Care and Nursing, University "Vitez" Travnik, 2013 (Chearpearson).
3. Fahrudin Heco. Incidence and prevalence of HCV infections in patients at hemodialysis in Cantonal Hospital Zenica. Faculty of Health, University of Zenica, 2013 (member)
4. Samed Dervišević. Pulmonary tuberculosis morbidity in Travnik municipality during the period 2009-2011 – public health significance. Faculty of Health, University of Zenica, 2013 (member).
5. Andrej Dujmušić. Periarthritis shoulder –kineziteraphy and other phisical agents apply. Faculty of Health Care and Nursing, University "Vitez" Travnik, 2012 (Chearpearson).
6. Adila Horić. Značaj tjelesne aktivnosti u prevenciji osteoporoze. Faculty of Health Care and Nursing, University "Vitez" Travnik, 2012 (member)
7. Anto Paklarčić. Follow-up of psihomotoric function in the newborns. Faculty of Health Care and Nursing, University "Vitez" Travnik, 2012 (member).
8. Milica Akrap. Complication of the ulcus disease. Faculty of Health Care and Nursing, University "Vitez" Travnik, 2012 (Chearpearson).
9. Emina Dautović. The role of nurse in the care of patients with pemphigus. Faculty of Health Care and Nursing, University "Vitez" Travnik, 2012 (Chearpearson).
10. Elvis Suljević. Supplying drinking water of urban population of Sarajevo with the source Bačevo. Faculty of Health Care and Nursing, University "Vitez" Travnik, 2011 (Chearpearson).
11. Alem Vatreš. Bacteriological quality of drinking water supply „Runjići“ Turbe. Faculty of Health Care and Nursing, University "Vitez" Travnik, 2011 (member)
12. Vedad Malkoč. Fractura colli femoris. Faculty of Health, University of Zenica, 2009 (member)
13. Tarik Čolaković. Cannabis abuse in adolescents. Faculty of Health, University of Zenica, 2008 (Chearpearson)
14. Edita Divjan. Health care of patients with epidemic meningitis. Faculty of Health, University of Zenica, 2008 (Chearpearson)
15. Rasema Hrustić. Respiratory tract infections in preschool children. Faculty of Health, University of Zenica, Zenica, 2008 (member)
16. Anel Fejzić. Health care of patients with intestinal infections. Faculty of Health, University of Zenica, 2008 (Chearpearson)
17. Džana Kaknjo. Hemophilia "A". Faculty of Health, University of Zenica, 2008 (member)
18. Sabina Čolić. Rash fever– characteristics and significance. Faculty of Health, University of Zenica, 2008 (Chearpearson)
19. Saima Sofić. Electroencephalografy in the treatment of epilepsy. Faculty of Health, University of Zenica, 2008 (Chearpearson).
20. Adnan Mujezinović. Congenital heart disorders with defect of septum. Faculty of Health, University of Zenica, 2008 (member)
21. Armina Babić. Respiratory distress syndrome in a newborns. Faculty of Health, University of Zenica, 2008 (member)
22. Amela Bedak. Intracranial hemorrhagia in a newborns. Faculty of Health, University of Zenica, 2008 (member)

23. Amela Zukić. Icterus in a newborns. Faculty of Health, University of Zenica, 2008 (member)
24. Maja Lipotak. Significance of electromyography (EMG ) in the treatment of polineuropaty. Faculty of Health, University of Zenica, 2008 (Chearpearson)
25. Safet Kubat. Quality of life in posttraumatic patients. Faculty of Health, University of Zenica, 2008 (Chearpearson)
26. Ivona Mijač. Prevalence of epilepsy in childhood. Faculty of Health, University of Zenica, 2008 (member)
27. Tanja Đorđić. Syndroma Down. Faculty of Health, University of Zenica, 2008 (member)
28. Elma Pivić. Metadone therapy in abusers. Faculty of Health, University of Zenica, 2008 (Chearpearson)
29. Mirzana Bešo. Social status of patients with chronic schizoprenia. Faculty of Health, University of Zenica, 2008 (Chearpearson)
30. Enisa Odobašić. Heroin abuse. Faculty of Health, University of Zenica, 2008 (Chearpearson)
31. Sabina Alić. Stress at working place. Faculty of Health, University of Zenica, 2008 (Chearpearson)
32. Eldin Zvekić. Trauma during delivery. Faculty of Health, University of Zenica, 2008 (member)

#### **Masters degree Thesis**

1. Simona Uršić. **Antimicrobial resistance of *Campylobacter* spp. and epidemiology of campylobacteriosis in Celje Region.** Biotechnical Faculty, University of Ljubljana. Mentor: prof. Sonja Smole Možina; co-mentor: prof. Selma Uzunović-Kamberović) defended: 14. 03. 11.
2. Jasminka Durmišević-Serdarević. **Correlation between significant bacteriuria and risk factors in urinary tract infections at preschool children.** Reasearch in Biomedicine, University of Zenica, Zenica (mentor, defended 08. 07. 2011).
3. Sabina Delić-Bikić. **Morbidity risk factors for the sepsis in newborns with intrauterine growth restriction.** Reasearch in Biomedicine, University of Zenica, Zenica (defended, 31. 01. 2012).
4. Jasmina Ćimić. Characteristics of sepsis at Infectious Diseases Department Cantonal Hospital Zenica in the five year period (2006 do 2011). Reasearch in Biomedicine, University of Zenica, Zenica (mentor, 2011.)
5. Adis Mujanović. **Prevalences and antimicrobial rezistance of extended-spectrum beta – lactamases in inpatients and outpatients settings of Zenica – doboj Canton.** Faculty of Health, University of Zenica (mentor, defended, October 2013.)
6. Emilija Hrapović –Moranjačkić. **Control and introduction of new methods in hospital infections surveillance.** Faculty of Health Care and Nursing, University "Vitez" Travnik (member of application/submission Committee and thesis evaluation; defended February 2016).
7. Amra Čolić. **Presence of cadmium in cows met in Srednja Bosna Canton and estimation of health risk.** Faculty of Health Care and Nursing, University "Vitez" Travnik (member of application/submission Committee; February 2015.)
8. Arneta Šabić. **Etiology and antimicrobial resistance of bacteria causing urinary tract infections in in- and outpatients of Zenica-Doboj Canton in the 2009-2013 period.** Faculty of Health Care and Nursing, University "Vitez" Travnik (mentor; in process; submitted: September 2015.).
9. Samir Mešić. **Investigation of new water wells in order to improve water supply in Tuzla Canton.** Faculty of Health Care and Nursing, University "Vitez" Travnik (president of application/submission Committee; submitted: September 2015.).



10. Azemina Šemić. **Quality of recreational leak water in Tuzla Canton.** Faculty of Health Care and Nursing, University "Vitez" Travnik (president of application/submission Committee; submitted: September 2015.).
11. Ermin Hodžić. **Prevalence and antimicrobial resistance of Gram-negative bacteria producing beta ( $\beta$ )-laktamase isolated from food samples in Zenica-Doboj Canton.** Faculty of natural Sciences and Mathematics (mentor, submission: december 2015.).

#### PhD Thesis

1. Jasminka Durmišević-Serdarević. **Iatrogene causes of antimicrobial resistance in the urinary tract infections in children.** Research in Biomedicine, University of Zenica, Zenica (mentor, defended July 2014).
2. Amir Ibrahimagić. **Epidemiology of infections caused by Gram-negative bacteria producing extended-spectrum  $\beta$ -lactamases, plasmid mediated AmpC  $\beta$ -lactamase and karbapenemases in inpatients and outpatients** University "Josip Juraj Strossmayer", Osijek (Croatia), University interdisciplinary postgraduate study: "Molecular bioscience"(mentor: defended May 2014; co-mentor: prof. dr. sc. Branka Bedenić).

#### Scientific publication (abstracts) and participation at scientific congresses in the coauthorship with undergraduate, master or PhD study study:

1. Kamberović F, Ibrahimagić A, Uzunović S, Bedenić B, Idrizović E. **Molecular and antimicrobial characteristics of *Proteus* spp. producing extended-spectrum and plasmid mediated AmpC beta-lactamases collected from inpatient and outpatient samples in Zenica-Doboj Canton, Bosnia and Herzegovina.** 7th Eurasia Congress of Clinical Microbiology Infectious Diseases Immunology and Epidemiology, 30 September – 3 October 2015, Tbilisi, Georgia. In: Karahasan A, Hosoglu S, Gunaydin M, Leblebicioglu H, Tsertsvadze T, Beriashvili R, Bakanidze L, Bayramli R, Kokoglu OF, eds. Congress E-book. Elmadag, Sisli Istanbul-Turkiye, 2015. Abstract No 163.
2. Ibrahimagić A, Kamberović F, Uzunović S, Bedenić B, Idrizović E. **Molecular epidemiology of multidrug resistant Gram-negative bacteria at Neurology hospital department.** 7th Eurasia Congress of Clinical Microbiology Infectious Diseases Immunology and Epidemiology, 30 September – 3 October 2015, Tbilisi, Georgia. In: Karahasan A, Hosoglu S, Gunaydin M, Leblebicioglu H, Tsertsvadze T, Beriashvili R, Bakanidze L, Bayramli R, Kokoglu OF, eds. Congress E-book. Elmadag, Sisli Istanbul-Turkiye, 2015. Abstract No 164.
3. Ibrahimagić, Divjan E, Kamberović F, Bedenić B, Uzunović S. **Prevalence, molecular characterisation and antimicrobial resistance of extended-spectrum beta-lactamase-producing Gram-negative bacteria isolated from outpatient clinical and environmental samples in Zenica-Doboj Canton, Bosnia and Herzegovina.** 25<sup>th</sup> European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), Copenhagen, Denmark, 25 – 28 April 2015. Clin Microbiol Infect 2015, Supplement (e) Poster 0964  
([http://www.escmid.org/escmid\\_library/online\\_lecture\\_library/?search=1&current\\_page=2&search\\_term=&entrytype\[\]=17&entrytitle\[\]=4534](http://www.escmid.org/escmid_library/online_lecture_library/?search=1&current_page=2&search_term=&entrytype[]=17&entrytitle[]=4534)).
4. Kamberović F, Ibrahimagić A, Bedenić B, Uzunović S. **Detection and characterisation of DHA-1 beta-lactamases in *Klebsiella* spp. causing urinary tract infections in Bosnia and Herzegovina.** 6th Eurasia Congress of Clinical Microbiology Infectious Diseases Immunology and Epidemiology, 24 – 27 Septembar 2014, Belgrade, Serbia. U: Hosoglu S, Karahasan A, Leblebicioglu H, Kocić B, Dulović O, Gunaydin M, Jelesić Z, Čosić G, Beović B, Carević B, eds. Abstract book. Bilimsel Tip Yayınevi, Ankara, 2014. Abstract No 097.

5. Ibrahimagic A, Kamberovic F, Bedenic B, Uzunovic S. **Characterization and antimicrobial resistance of *Klebsiella* spp. producing CMY-2 beta-lactamase in Bosnia and Herzegovina.** 24nd European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), Barcelona, Spain, 10 – 13 May 2014. Clin Microbiol Infect 2014, Supplement (e). Abstract (publication only); R 072 ([https://www.escmid.org/escmid\\_library/online\\_lecture\\_library/?search=1&current\\_page=8&search\\_term=&entrytype\[\]=19&entrytitle\[\]=11090](https://www.escmid.org/escmid_library/online_lecture_library/?search=1&current_page=8&search_term=&entrytype[]=19&entrytitle[]=11090))
6. Ibrahimagic A, Kamberovic F, Bedenic B, Uzunovic S. **A report of CMY-2 beta-lactamase in *Enterobacter cloacae* isolate in Bosnia and Herzegovina.** Fourteenth Congress of the International Federation of the Infection Control (IFIC), Malta 12-15 March 2014. Int J Infect Control 2014; 9 (suppl 1): 48-49. P25.
7. Ibrahimagic A, Kamberovic F, Bedenic B, Uzunovic S. **Characterisation and antimicrobial resistance of *Escherichia coli* producing CMY-2 beta-lactamase in Bosnia and Herzegovina.** Fourteenth Congress of the International Federation of the Infection Control (IFIC), Malta 12-15 March 2014. Int J Infect Control 2014; 9 (suppl 1): 49. P26
8. Ibrahimagic A, Kamberovic F, Bedenic B, Uzunović S. **Molecular characteristics and antibiotic resistance of *Acinetobacter* species; predominance of *bla*OXA-51 and *bla*VIM, isolated from patients in Bosnia and Herzegovina.** The 5th Congress of European Microbiologists (FEMS), Leipzig, Germany, July 21 – 25, 2013. Abstract No 514 (USB online)
9. Ibrahimagic A, Bedenic B, Kamberovic F, Uzunović S, Sivec S. **High prevalence of *bla*CTX-M-15; first report of *bla*CTX-M-28, *bla*CTX-M-3, *bla*CMY, *bla*DHA and *bla*FOX producing Enterobacteriaceae causing urinary tract infections in Bosnia and Herzegovina in hospital and community settings.** 23 nd European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), Berlin, Germany, 27 – 30 April 2013. Clin Microbiol Infect 2013. Supplement (e). Poster No 1231 ([http://www.escmid.org/escmid\\_library/online\\_lecture\\_library/?search=1&current\\_page=2&search\\_term=&entrytype\[\]=17&entrytitle\[\]=4534](http://www.escmid.org/escmid_library/online_lecture_library/?search=1&current_page=2&search_term=&entrytype[]=17&entrytitle[]=4534))
10. Kamberović F, Ibrahimagić A, Uzunović S, Budimir A, Rijnders IAM, Stobberingh EE. **High prevalence of low-level methicillin-resistance in clinical *mecA*-positive *Staphylococcus aureus* isolates in Bosnia and Herzegovina.** 23 nd European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), Berlin, Germany, 27 – 30 April 2013. Clin Microbiol Infect 2013; Supplement (e) Poster No 1955 ([http://www.escmid.org/escmid\\_library/online\\_lecture\\_library/?search=1&current\\_page=2&search\\_term=&entrytype\[\]=17&entrytitle\[\]=4534](http://www.escmid.org/escmid_library/online_lecture_library/?search=1&current_page=2&search_term=&entrytype[]=17&entrytitle[]=4534))
11. Uzunović S, Bedenić B, Budimir A, Kamberović F, Ibrahimagić A, Delic-Bikić S, Rijnders M, Stobberingh E, Sivec S, Meštrović T. **Emergency (clonal spread) of methicillin-resistant *Staphylococcus aureus* (MRSA) and beta-lactamase-producing Gram-negative bacteria infections at a paediatric department.** 23 nd European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), Berlin, Germany, 27 – 30 April 2013. Clin Microbiol Infect 2013; Supplement (e) Abstract (publication only); R 2933 ([http://www.escmid.org/escmid\\_library/online\\_lecture\\_library/?search=1&current\\_page=3&search\\_term=&entrytype\[\]=19&entrytitle\[\]=4948](http://www.escmid.org/escmid_library/online_lecture_library/?search=1&current_page=3&search_term=&entrytype[]=19&entrytitle[]=4948))
12. Uzunović S, Bedenić B, Budimir A, Kamberović F, Ibrahimagić A, Rijnders IAM, Stobberingh EE, Fiočić Z. **Meticillin-resistant *S. aureus* (MRSA), extended-spectrum  $\beta$ -lactamase (ESBL) and plasmid-mediated AmpC-producing Gram-negative bacteria associated with skin and soft tissue infections in hospital and community settings.** 5nd Eurasia Congress of Infectious Diseases, Clinical Microbiology Infectious Diseases Immunology and Epidemiology, 15 – 18 May 2013, Tirana, Albania. U: Karahasan A, Gunaydin M, Pipero P, Harxhi A, Koraqi A, Puca E, Hosoglu S, Leblebicioglu H, eds. Abstract book. Bilimsel Tip Yayınevi, Ankara, 2013. Abstract No 011, p.134.

13. Uzunović S, Ibrahimagić A, Kamberović F, Kunarac M, Michelle I. A. Rijnders, Ellen E. Stobberingh. **Inducible clindamycin resistance in methicillin-susceptible and methicillin-resistant *Staphylococcus aureus* of inpatient, outpatient and healthy carriers.** IMED 2013 International Meeting on Emerging Diseases and Surveillance, Vienna, 15-18 February 2013.
14. Uzunovic-Kamberovic S, Bedenic B, Ibrahimagic A, Kamberovic F. **Characterization of extended-spectrum and plasmid-mediated ampC beta-lactamase in *Klebsiella* spp. from urinary tract infections in hospital and community settings in Bosnia and Herzegovina.** 22<sup>nd</sup> European Congress of Clinical Microbiology and Infectious Diseases (ECCMID, London/UK, March 31-April 3, 2012. Poster No 1873. Clin Microbiol Infect 2012; 18(Suppl. s3): 532-533.
15. Edina Garanović, Selma Uzunović. **Monitoring of environmental surfaces in objects of food service and food industry in the Zenica Dobož Canton in the 2005-2008 periods.** 1th International Scientific Conference in Health Sciences, 13<sup>th</sup> November 2012, Vitez, Bosnia and Herzegovina. South Eastern Europe Health Sciences Journal 2012; 2 (Suppl 1): 51.
16. Ilma Šakić, Sanita Sejdić, Selma Uzunović. **Microbiological quality of meat, meat products and ready-to-eat food in the Zenica Dobož Canton in the 2008-2010 periods.** 1th International Scientific Conference in Health Sciences, 13<sup>th</sup> November 2012, Vitez, Bosnia and Herzegovina. South Eastern Europe Health Sciences Journal 2012; 2 (Suppl 1):49.
17. Nino Hasanica, Fatima Smriko, Selma Uzunović. **Correlation of bacteriological quality of drinking water and sewage disposal in the Zenica Dobož Canton.** 1th International Scientific Conference in Health Sciences, 13<sup>th</sup> November 2012, Vitez, Bosnia and Herzegovina. South Eastern Europe Health Sciences Journal 2012; 2 (Suppl 1): 47.
18. Selma Uzunović-Kamberovic, Branka Bedenic, Amir Ibrahimagic, Farah Kamberovic, Tatjana Ille, Sara Sivec, Živojin Žagar. **Prevalence and molecular epidemiology of infections caused by extended-spectrum and plasmid-mediated AmpC beta-lactamase producing Gram-negative bacteria in hospital and community settings in Bosnia and Herzegovina.** Proceedings of 21<sup>st</sup> European Congress of Clinical Microbiology and Infectious Diseases (ECCMID)/27<sup>th</sup> International Congress of Chemotherapy (ICC), Milan/Italy, May 7-10, 2011. Poster No 553. Clin Microbiol Infect 2011; 17 (Suppl. s4): S108.
19. Selma Uzunović-Kamberovic, Michelle I. A. Rijnders, Ellen E. Stobberingh, Amir Ibrahimagic, Farah Kamberovic, Jasmin Dizdarevic, Tatjana Ille, Salih Tandir. **Molecular characterisation of clinical (inpatients/outpatients) and colonizing methicillin-susceptible and methicillin-resistant *Staphylococcus aureus* in Bosnia and Herzegovina.** Proceedings of The 4<sup>th</sup> Euroasia Congress of Infectious Diseases, Sarajevo/BiH, 01. – 05. juni 2011. In: Karahasan A, Gunaydin M, Ahmetagić S, Tihic N, Hosoglu S, Leblebicioglu, ur. Abstract book. Bilimsel Tip Yayınevi, Ankara, 2011. Abstract No 061, p. 175.
20. Selma Uzunović-Kamberovic, Branka Bedenic, Amir Ibrahimagic, Farah Kamberovic, Tatjana Ille, Sara Sivec, Zivojin Zagar. **Molecular epidemiology of urinary tract infections caused by beta-lactamase producing Gram-negative bacteria in Bosnia and Herzegovina.** Proceedings of 4<sup>th</sup> Congress of European Microbiologist, FEMS, Geneva/Switzerland, June 26-30, 2011. Abstract No 401 (USB online)
21. Selma Uzunović-Kamberovic, Michelle I. A. Rijnders, Ellen E. Stobberingh, Amir Ibrahimagic, Farah Kamberovic, Tatjana Ille. **Population structure of methicillin-susceptible and methicillin-resistant *Staphylococcus aureus* in healthy food handlers in Bosnia and Herzegovina.** In proceedings of 4<sup>th</sup> Congress of European Microbiologist, FEMS, Geneva/Switzerland, June 26-30, 2011. Abstract No 1825. (USB online)

22. Selma Uzunović-Kamberović, Amir Ibrahimagić, Branka Bedenić. ***E. coli*/non *E. coli* causes community-acquired urinary tract infections in Zenica-Doboj Canton: prevalence, ESBL production and antimicrobial susceptibility.** In: Book of Abstracts 2<sup>nd</sup> Croatian Congress of urogenital and sexually-transmitted diseases with international participation, Opatija, 14. – 16. 05. 2010. Croatian society for urogenital and sexually-transmitted diseases HLZ-a, Clinic for Infectious Disease “Dr Fran Mihaljević” Zagreb, Croatia, Zagreb 2010., p. 72.
23. Mirela Čabaravdić, Sabina Šestić, Selma Uzunović Kamberović. **Extended spectrum beta-lactamases (ESBL) in gram-negative hospital isolates.** In: Book of Abstracts, Second Congress of Hospital Infection Control of Bosnia and Herzegovina with international participation, Tuzla, B&H, 04. – 07. 11. 09. Microbiology Society of B&H, Tuzla, B&H, 2009., pp. 74-75.
24. Sabina Lagumdžija, Selma Uzunović-Kamberović. **Sensitivity of *Mycobacterium tuberculosis* to antituberculosic drugs in Zenica-doboj Canton in the 2005- 2007 period.** In: Book of Abstracts, Second Congress of Hospital Infection Control of Bosnia and Herzegovina with international participation, Tuzla, B&H, 04. – 07. 11. 09. Microbiology Society of B&H, Tuzla, B&H, 2009., pp. 39-40.
25. Mersiha Odošajić, Aida Hutinović, Nermin Ibranović, Azra Husković, Selma Uzunović-Kamberović. **Antibiotic resistance of coliform organisms from community-acquired urinary tract infections in the Zenica-Doboj Canton, Bosnia and Herzegovina.** In: Book of Abstracts, Second Congress of Hospital Infection Control of Bosnia and Herzegovina with international participation, Tuzla, B&H, 04. – 07. 11. 09. Microbiology Society of B&H, Tuzla, B&H, 2009., pp. 55-56.

**Scientific publication in scientific journals in the coauthorship with students at undergraduate, master or PhD study:**

- 1 Selma Uzunović, Branka Bedenić, Ana Budimir, Amir Ibrahimagić, Farah Kamberović, Zlatko Fiolić, Michelle I. A. Rijnders, Ellen E. Stobberingh. **Meticillin-resistant *S. aureus* (MRSA), extended-spectrum  $\beta$ -lactamase (ESBL)- and plasmid-mediated AmpC-producing Gram-negative bacteria associated with skin and soft tissue infections in hospital and community settings.** Med Glas (Zenica) 2015; 12 (2): 157-168.
- 2 Ibrahimagić A, Bedenić B, Kamberović F, Uzunović S. **High prevalence of CTX-M-15 and first report of CTX-M-3, CTX-M-22, CTX-M-28 and plasmid-mediated AmpC beta-lactamase producing Enterobacteriaceae causing urinary tract infections in Bosnia and Herzegovina in hospital and community settings.** J Infect Chemother 2015 Jan 9. pii: S1341-321X(15)00008-2. doi: 10.1016/j.jiac.2015.01.003. [Epub ahead of print January 2015]
- 3 Uzunović S, Bedenić B, Budimir A, Kamberović F, Ibrahimagić A, Delić-Bikić S, Sivec S, Meštrović T, Varda Brkić D, Rijnders MI, Stobberingh EE. **Emergency (clonal spread) of methicillin-resistant *Staphylococcus aureus* (MRSA), extended spectrum (ESBL) - and AmpC beta-lactamase-producing Gram-negative bacteria infections at Pediatric Department, Bosnia and Herzegovina.** Wien Klin Wochenschr 2014; 126:747-756 [Epub ahead of print September 2014]
- 4 Kamberović F, Ibrahimagić A, Uzunović S, Budimir A, Rijnders MI, Stobberingh EE. **mecA-positive methicillin-sensitive *Staphylococcus aureus* clinical isolates in Zenica-Doboj Canton, Bosnia and Herzegovina.** J Chemother 2014.1973947814Y0000000207. [Epub ahead of print August 2014]
- 5 Selma Uzunović, Amir Ibrahimagić, Farah Kamberović, Manja Kunarac, Michelle I. A. Rijnders, Ellen E. Stobberingh. **Inducible clindamycin resistance in methicillin-susceptible and methicillin-resistant *Staphylococcus aureus* of inpatient, outpatient and healthy carriers in Bosnia and Herzegovina.** Med Glas (Zenica) 2013; 10 (2): 217-224.

- 6 Nino Hasanica, Fatima Smriko, Selma Uzunović. **Correlation of bacteriological quality of drinking water and sewage disposal in the Zenica Dobož Canton.** South Eastern Europe Health Sciences Journal 2013; 3 (1): 103-8.
- 7 Ilma Šakić, Sanita Sejdinoska, Selma Uzunović. **Microbiological quality of meat and ready-to-eat food in the Zenica Dobož Canton in the 2008-2010 period.** South Eastern Europe Health Sciences Journal 2013; 3 (1): 109-14.
- 8 Edina Garanović, Selma Uzunović. **Monitoring of environmental surfaces in objects of food service and food industry in the Zenica-Dobož Canton in the period in 2005 - 2007.** South Eastern Europe Health Sciences Journal 2013; 3 (1): 115-21.
- 9 Selma Uzunović, Amir Ibrahimagić, Farah Kamberović, Michelle I. A. Rijnders, Ellen E. Stobberingh. **Molecular characterization of methicillin-susceptible and methicillin-resistant *Staphylococcus aureus* in food handlers Bosnia and Herzegovina.** Open Infect Dis J 2013, 7:15-20.
- 10 Selma Uzunović-Kamberović, Michelle I. A. Rijnders, Ellen E. Stobberingh, Amir Ibrahimagić, Farah Kamberović, Tatjana Ille. **Molecular characterization of methicillin-susceptible and methicillin-resistant *Staphylococcus aureus* in inpatients and outpatients in Bosnia and Herzegovina.** Wien Med Wochenschr 2013; 163 (1): 13- 20.
- 11 Elsa Hasić, Selma Uzunović-Kamberović. **Aetiology and antimicrobial resistance of healthcare-acquired surgical site infections occurring after hospital discharge.** South Eastern Europe Health Sciences Journal 2011; 1: 74-79.
- 12 Selma Uzunović-Kamberović, Mersiha Odošajić, Azra Husković, Aida Hutinović, Nermin Ibranović. **Antibiotic resistance of coliform bacteria from community-acquired urinary tract infections in the Zenica-Dobož Canton, Bosnia and Herzegovina.** Med Glas Ljek komore zenicko-dobož kanton 2010; 7 (1): 40-5.

#### **Member of the Commission for academic degree appointment**

1. Mersija Kasumović, MD, PhD, Appointment to Ass. Professor, Immunology. Faculty of Health Care, University Zenica (member) (2013.)
2. Almasa Kapidžić, Ass. prof. Appointment to professor, Neurology and Psychiatry. Faculty of Health Care and Nursing, University "Vitez" Vitez (2013) (member).
3. Nihada Kurbegović Čampara, MD, MA, appointment to higher assistant Neurology, Psychiatry and Geriatrics. Faculty of Health Care and Nursing, University "Vitez" Vitez (2013) (member).
4. Zoran Arsović, Ass. Professor, Appointment to professor, Medical Ethics and Ethics in Health Care. Faculty of Health Care and Nursing, University "Vitez" Vitez (2013) (member).
5. Elvira Konjić, Ass. Professor. Appointment to ass. professor, Nursing Environment. Faculty of Health Care and Nursing, University "Vitez" Vitez (2013) (member).
6. Lejla Čalkić, MD, MA, PhD. Appointment to Ass. Professor, Infectology. Faculty of Health Care and Nursing, University "Vitez" Vitez (2013) (member).
7. Doc.dr. Lejla Čalkić, Appointment to Ass. professor, Epidemiology. Faculty of Health Care and Nursing, University "Vitez" Travnik (2012) (member).
8. Doc.dr. Nihada Ahmetović, Appointment to Ass. professor, Methodology of sampling in sanitary management. Faculty of Health Care and Nursing, University "Vitez" Travnik (2012) (president).
9. Doc.dr. Elvira Konjić, Appointment to Ass. professor, Operational environment and nursing. Faculty of Health Care and Nursing, University "Vitez" Travnik (2012) (member).
10. Doc.dr. Slavko Vukić, Appointment to Ass. professor, Health system and health policy in health. Faculty of Health Care and Nursing, University "Vitez" Travnik (2012) (member).
11. Sabina Šestić, MD, MA, for appointment to senior assistant Microbiology. Faculty of Health University of Zenica (2012). (president).

12. Dunja Hodžić, MD, MA. Appointment to senior assistant Microbiology. Faculty of Health Care and Nursing, University "Vitez" Travnik (2012) (president).
13. Lejla Mešalić, MD, MA. Appointment to Ass. Prof. Gynecology, obstetrics and Reproductive medicine. Faculty of Health Care and Nursing, University "Vitez" Travnik (2012) (member).
14. Tandir Salih. Appointment to professor, Epidemiology. Faculty of Health University of Zenica (member) (2011).
15. Elvir dr. Bešić, for appointment to assistant, Infectious Diseases and Health Care. Faculty of Health Care and Nursing, University "Vitez" Travnik (2011) (member).
16. Adnan dr. Šatrović, for appointment to assistant, Epidemiology. Faculty of Health Care and Nursing, University "Vitez" Travnik (2011) (member)
17. Mr. Terezija Šapina, appointment to higher assistant, Management and quality control of food and drink. Faculty of Health Care and Nursing, University "Vitez" Travnik (2011) (Commission Chairperson) .
18. Emir Brljak, for appointment to assistant, Management and quality control of food and drink. Faculty of Health Care and Nursing, University "Vitez" Travnik (2011) (Commission Chairperson)

## SCIENTIFIC PROJECTS

### 2009. – 2010.

Federal ministry of Education and Science (No. 03-39-5980-58-1/08):

**“Meticillin-resistant *Staphylococcus aureus* (MRSA) and extended-spectrum beta-lactamase (ESBL) producing gram-negative bacteria caused wound infections in surgical ward”.**

Project leader: prof. Selma Uzunović-Kamberović; members of project team: Ass. prof. Tandir Salih (Zenica, B&H), Ibrahim Cero, MD (Zenica, B&H), Šabanović Fadil, MD (Zenica, B&H), Stobberingh Ellen, PhD (Maastricht, Netherlands), Ass. prof. Bedenić Branka (Zagreb, Croatia), Prof. Tatjana Ille (Beograd, Serbia), Jasmin Dizdarević, MD (Zenica, B&H), Amir Ibrahimagić (Zenica, B&H).

### 2007-12

School of Medicine, University of Zagreb, Croatia, Project:

**"Mechanisms of resistance to antimicrobial agents in Gram-negative bacteria".** (prof. Selma Uzunović-Kamberović, external co-worker)

Project leader: Assist. prof. Branka Bedenić, Department of Microbiology, School of Medicine, University of Zagreb, Croatia

### 2006-2008

**R Slovenia and R/F B&H government scientific program 2006/2008.**

Project leader, Bosnia and Herzegovina: prof. Selma Uzunovic-Kamberovic, MD, MA, Ph. D.; Cantonal Public Health Institute Zenica, Environmental Health Department, Laboratory for Sanitary and Clinical Microbiology;

Project leader, Slovenia: Prof. Sonja Smole, Ph.D., University of Ljubljana, Biotechnical Faculty, Food Science and Technology Department

**Project title: Epidemiology of pathogen microorganisms from tap water**

### 2002-2003

**R Slovenia and R/F B&H government scientific program 2002/2003:**

Project leader, Bosnia and Herzegovina: prof. Selma Uzunovic-Kamberovic, MD, MA, Ph. D.; Cantonal Public Health Institute Zenica, Environmental Health Department, Laboratory for Sanitary and Clinical Microbiology;

Project leader, Slovenia: Prof. Sonja Smole, Ph.D., University of Ljubljana, Biotechnical Faculty, Food Science and Technology Department

**Project title: Identification and antibiotic susceptibility of *Campylobacter* spp. from food and human material.**

#### **Other projects**

##### **2012**

EU Project: **Vocational excellence ensuring food product safety, consumer protection and competitiveness in Western Balkans**. Slovenia Institute of Quality and Metrology, Slovenia (applicant). Project leader: prof. Peter Raspor, University of Ljubljana, Biotechnical Faculty, Food Science and Technology Department. HACCP school education programme, Sarajevo May-June 2012.

Member of exam commission, Sarajevo, 13-14 June 2012.

BH developmental Projekt: **The first international congress of BH scientists**. Sarajevo, B&H, 14. – 17. 09. 2006.

BH developmental Projekt: **The second international congress of BH scientists**. Sarajevo, B&H, 27. 08. – 31. 08. 2008.

#### **ORGANISATION AND CHAIRING OF A MEETINGS**

##### **2013**

Member of Scientific Committee **7th International Scientific Conference Udine-C group in Osijek, Croatia: Possibilities of Scientific Research in the Process of Mentoring in Nursing Increase of the Effectiveness of Mentoring Through Education & 2nd International Scientific Conference in Health Sciences**, Osijek, Croatia, 19th-21th. September 2013.

##### **2012**

President of the **1st International Scientific Conference on Health Sciences**, Vitez, 13. November 2012., B&H.

Member of the International Programme Advisory Board: **2<sup>st</sup> scientific samposium with international participation "Holositic treatment of patients – how close are we to achieving our goal?"**, 25 – 26 October 2012, Novo Mesto, Slovenija.

##### **2011**

Member of the International Programme Advisory Board: **1<sup>st</sup> scientific samposium with international participation "Holositic treatment of patients – how close are we to achieving our goal?"**, 20. – 21. Oktober 2011, Novo Mesto, Slovenija.

Member of the International Programme Advisory Board: **5<sup>th</sup> Congress of the Slovenian Microbiological Society/3<sup>rd</sup> CEFORM (Central European Forum for Microbiology)**. Joint 9<sup>th</sup> Congress of the Slovenian Biochemical Society and 5<sup>th</sup> Congress of the Slovenian Microbiological Society with International Participation in Association with 3<sup>rd</sup> CEFORM (Central European Forum for Microbiology), Maribor/Slovenia, October 12 – 15, 2011.

**Chairperson** of the Section: Food microbiology

Member of the Organizing Committee **The 4<sup>th</sup> Euroasia Congress of Infectious Diseases, Sarajevo/B&H, June 01 – 05, 2011.**

Chairperson of the Panel 5: Urinary tract infections.

##### **2004**

Member of the Organizing Committee: **Public Health Conference of Bosnia and Herzegovina**, Zenica, B&H, 13-15 October 2004

**2001**

Co-chairman of the season: **Gastrointestinal infection at the 19<sup>th</sup> Symposium of infectious diseases of Bosnia and Herzegovina, with international participation**. Zenica, B&H, 2001.

**1999**

Chairman of the Organizing Committee: **Human papillomavirus (HPV) / Chlamydia trachomatis (CT) Abbott Summit**, Zenica 1999, B&H

## **INVITED LECTURES**

**2016.**

Academy of Medical Sciences of Bosnia and Herzegovina. Days of Academy of Medical Sciences of Bosnia and Herzegovina. Theory and Practice in Science Communication and Scientometrics. First Mediterranean Seminar on Science Writing, Editing & Publishing (SWEP 2016), 02. 03. 12. 2016. **"Science Editing and Science Editors – an Example of the Journal Medicinski Glasnik"**

**2013**

Faculty of Health Care, Maribor, Slovenia. International Conference Knowledge bring Development and health, 14-16 May 2013, Maribor: **"Establishing a new scientific journal: authors awareness – an example of South Eastern Europe Health Science Journal (SEEHSJ)"**.

**2012**

Department for Biotechnology, Microbiology and Food Safety, Biotechnical Faculty, University of Ljubljana, Slovenia. **2<sup>nd</sup> Meeting at the occasion of 20<sup>th</sup> anniversary**. Ljubljana, 27 – 28 September 2012: **"Illustration of *Campylobacter* epidemiology in Balkan region**.

School of Health Sciences, Higher Education Centre, Novo Mesto, Slovenia. **2<sup>st</sup> scientific symposium with international participation "Holistic treatment of patients – how close are we to achieving our goal?"**, 25 – 26 October 2012, Novo Mesto, Slovenia: **"European antibiotic resistance surveillance system in health care"**.

**2004**

Continued medical education. "Food safety". Cantonal Public Health Institute Zenica, Zenica, B&H. Lecture: "Biological contamination of food".

**2000**

Continued medical education. III Meeting of Zenica-Doboj Canton Branch of physicians. Zenica, B&H. Lecture: "Antibiotic resistance" .

**2000**

International red cross, Course: "Water analysis management". Zenica, B&H.

Lecture " Public Health feasibility in microbiology analysis of the water. "A new trends".

**1999**

Continued medical education. Prof. Dr. A. Kurjak and Association of a gynecologists of Tuzla-Podrinje Canton: Symposium about the sterility. Gradacac, B&H. Lecture: " Involvement of an microbiologist in threatening of the sterility".

**1999**

Workshop: "Antibiotic usage and misuse". Zenica-Doboj Canton Branch of physicians. Zenica, Bistricak, B&H. Lecture: "Antibiotics-when and how? "

## **EDITOR AND REVIEWER FOR MEDICAL JOURNALS**

**Guest Editor: Carbapenemases in Gram-Negative Bacteria. BioMed Research International 2014** (Guest Editors: Bedenić B, Plečko V, Sardelić S, Uzunović S, Godič Torkar K ); indexed in:



Science Citation Index Expanded (SCIE, MEDLINE, Scopus...  
<http://www.hindawi.com/journals/bmri/>

**Editor-in-chief of the South Eastern Europe Health Sciences Journal** (official publication of the Faculty of Health Care and Nursing, University of "Vitez" Travnik (Bosnia and Herzegovina) and School of Medicine, University Josip Juraj Strossmayer Osijek (Croatia); 2011- 2013. peer-reviewed, indexed/abstracted by Mosby's (EMCare), DOAJ (2011-) ISSN (print) 2233-0186 (<http://fzj.unvi.edu.ba/index.php> )

**Editor-in-chief (and founder) of the journal Medicinski Glasnik** (official publication of the Medical Association of Zenica-Doboj Canton), 2004- peer-reviewed, indexed/abstracted by EMBASE , Scopus (2006-), Science Citation Index Expanded (SCIE) (2007-2012); MEDLINE (2010-)ISSN printed 1840-0132; ISSN online 1840-2445; ([www.ljkzedo.com.ba](http://www.ljkzedo.com.ba))

**Member of Editorial Board of the journal: Acta Medica Academica** (Department of Medical sciences, Academy for science and art of Bosnia and Herzegovina, 2006-; peer-reviewed, ISSN printed 1840-1848; ISSN online 1840-2879; [www.anubih.ba/ama/](http://www.anubih.ba/ama/)

**Editorial Council member of the journal Acta Medica Saliniana**, 2008-; indexed in u Index Copernicus Master Journal List, EBSCO, Google Scholar;

**Member of Editorial Board of the journal The Open Infectious Diseases Journal (TOIDJ)** (Bentham science publishers), 2008-, peer-reviewed, indexed in MEDLINE, Chemical Abstracts, Google, Google Scholar; ISSN: 1874-2793; ([www.bentham.org](http://www.bentham.org));

**Member of International scientific council of the Journal SANAMED** (<http://www.sanamed.rs>); 2011-;

**Member of International scientific council of the journal HALO 24** ([www.beograd94.rs](http://www.beograd94.rs)); 2012-

**Member of Editorial Board of the World Journal of Clinical Infectious Diseases (WJCID)** (<http://www.wjgnet.com/2220-3176/edboard.htm>); 2012-

**Member of Publication Committee of the journal Acta Medica Anatolia** ([www.anatoliamedica.com](http://www.anatoliamedica.com)); **indexed in:** The Directory of Research Journal Indexing, Turkish Citation Index; peer-reviewed; **2014.-**

**Member of Editorial Board of Edorium Journal of Infectious Diseases;** peer-reviewed; (<http://http://www.edoriumjournalofinfectiousdiseases.com/about-us/about-us.php>); 2015.-

**Annals of Clinical Microbiology and Antimicrobials (ACMA)** (BioMed Central); peer-reviewed, Indexed with PubMed, PubMed Central, MedLine, CABI, CAS, Embase, Scopus, Google Scholar; Impact factor 2,13; (**reviewer**) (<http://www.ann-clinmicrob.com/>)

**Microbiology Insights** (Libertas Academica); ISSN 1178-6361; peer-reviewed, open access journal; indexed in: Pubmed, DOAJ, EBSCO Academic Search International, Gale Academic OneFile, Gale Health Reference Centre, Gale InfoTrac Custom Journals; (**reviewer**) ([www.la-press.com](http://www.la-press.com))

**Indian Journal of Medical Sciences (IJMS)**; peer-reviewed, Indexed / Listed with Index Medicus, MEDLINE, ISI Current Web Contents, Excerpta Medica/EMBASE, CAB Abstracts, CINAHL Database, and Index Copernicus; ISSN (print) 0019-5359; (online) 1998-3654; (**reviewer**) ([www.indianjmedsci.org](http://www.indianjmedsci.org); [www.bioline.org.br/ms](http://www.bioline.org.br/ms))

**Journal of Microbiology and Antimicrobials (JMA)** (Academic Journals); peer-reviewed, open access journal; indexed in: CAB Abstracts, CABI's Environmental Impact, Chemical Abstracts; ([www.academicjournals.org/JMA](http://www.academicjournals.org/JMA)); (**reviewer**)

**World Journal of Gastroenterology; peer-reviewd;** Indexed in:: Current Contents/Clinical Medicine, Science Citation Index Expanded (SciSearch), Journal Citation Reports, Index Medicus,

MEDLINE, PubMed, and PubMed Central databases (<http://www.wjgnet.com/1007-9327/index.htm>); **(reviewer)**

**International Journal of Medicine and Medical Sciences**; peer-reviewed; Indexed in: Current Contents – Clinical Medicine, , Science Citation Index Expanded, Journal Citation Reports, Index Medicus, MEDLINE, PubMed, and PubMed Central ... (<http://www.medsci.org/>); **(reviewer)**

**Microbial Drug Resistance**; peer-reviewed; Indexed in: Current Contents – Clinical Medicine, Science Citation Index Expanded, Journal Citation Reports, *Index Medicus*, MEDLINE, PubMed, and PubMed Central ... **(reviewer)** (<http://www.liebertpub.com/overview/microbial-drug-resistance/44/>) (reviewer)

**Archives of Clinical Microbiology** (iMedPub Journals); peer-reviewed Indexed in: National Library of Medicine (NLM), DeepDyve, Open J Gate, Google Scholar, Open Archives Harvester, HINARI, JournalSeek, Index Copernicus Master List (<http://www.acmicrob.com/>); **(reviewer)**

**Journal of Antimicrobial Chemotherapy** (JAC); peer-reviewed; Indexed in: Current Contents – Clinical Medicine, , Science Citation Index Expanded, Journal Citation Reports, Index Medicus, MEDLINE, PubMed, and PubMed Central ... (<http://jac.oxfordjournals.org/>); **(reviewer)**

#### **MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS AND SOCIETIES**

Academy of Art and Sciences B&H. Antimicrobial Resistance Committee, 2014-

European Antimicrobial Resistance Surveillance System (EARSS), B & H National representative, 2006- ([www.earss.rivm.nl](http://www.earss.rivm.nl))

European Society of Clinical Microbiology and Infectious Disease (ESCMID), 1997- ([www.escmid.org](http://www.escmid.org))

European Committee on Antibiotic Susceptibility Testing (EUCAST), B & H National representative, 2000- ([www.escmid.org](http://www.escmid.org))

International Society for Infectious Diseases (corresponding membership), 2002-

Microbiology society of Bosnia and Herzegovina, 2002-

Microbiology society of Bosnia and Herzegovina, vice president, 2002-

Medical Association of Zenica-Doboj Canton, Bosnia and Herzegovina, 1999-

Science Advisory Board, 2002-

Croatian Medical Association, 1980-

Croatian Society of Microbiology, 1988-

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6. Branka Bedenić, Vanda Plečko, Sanda Sardelić, **Selma Uzunović**, Karmen Godič-Torkar. **Carbapenemases in Gram-negative bacteria: laboratory detection and clinical significance.** Biomed Res Int 2014; 2014: 841951.
7. **Selma Uzunović**, Amir Ibrahimagić, Farah Kamberović, Manja Kunarac, Michelle I. A. Rijnders, Ellen E. Stobberingh. **Inducible clindamycin resistance in methicillin-susceptible and methicillin-resistant *Staphylococcus aureus* of inpatient, outpatient and healthy carriers in Bosnia and Herzegovina.** Med Glas (Zenica) 2013; 10 (2): 217-224.
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