

## PERSONAL INFORMATION

**Elena-Alexandra ONICIUC**

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Sex Female | Date of birth 18/10/1989 | Nationality Romanian

## WORK EXPERIENCE

01/08/2014–Present

Laboratory for Physico-chemical and Microbiological Analysis of Food  
„Dunarea de Jos” University, Faculty „Food Science and Engineering”, Galati (Romania)

01/03/2013–01/09/2013

Laboratory for Physico-chemical Analysis of Meat Products  
SC.SALTEMPO.SRL, Galati (Romania)

## EDUCATION AND TRAINING

01/10/2014–Present

PhD student

„Dunarea de Jos” University of Galati, Romania and University of Burgos, Spain

**Topic of the thesis: Characterization of methicillin resistant *Staphylococcus aureus* strains isolated from foods**

2012–2014

Engineer- Control, Expertise and Food Safety

„Dunarea de Jos” University, Faculty „Food Science and Engineering”, Galati (Romania)

**Topic of the thesis: The incidence of *Staphylococcus aureus* in food imported from Republic of Moldavia and illegally sold in Romania. Characterization of isolates**

2012–2013

Graduate Pedagogical Training Module- Level II

„Dunarea de Jos” University, Department for Teacher Training, Galati (Romania)

2008–2012

Bachelor in Engineering and Management in catering and tourism

„Dunarea de Jos” University, Faculty „Food Science and Engineering”, Galati (Romania)

**Topic of the thesis: Designing a catering unit for high school with a capacity of 200 seats**

2008–2012

Graduate Pedagogical Training Module- Level I

„Dunarea de Jos” University, Department for Teacher Training, Galati (Romania)

2004–2008

Food analysis technician

College of Food Industry „Elena Doamna”, Galati (Romania)

## PERSONAL SKILLS

Mother tongue(s)

Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Spanish	B1	B1	B1	B1	B1
French	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

Communication skills - Good communication skills;  
 - Team spirit;

Organisational / managerial skills - Passionate, optimistic;  
 - Adaptation to work in a team;  
 - Dynamic person, motivated, responsible;

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Independent user	Independent user

Digital competences - Self-assessment grid

Good command of MS Office (Word, Excel, PowerPoint, Publisher); Autocad; Origin; Bionumerics

Driving licence B

ADDITIONAL INFORMATION

Publications **Oniciuc, E.A.**, Nicolau, A.I., Hernández, M., Rodríguez-Lázaro, D. (2017). Presence of methicillin-resistant *Staphylococcus aureus* in the food chain. Trends in Food Science and Technology, 61:49-59, <http://dx.doi.org/10.1016/j.tifs.2016.12.002>

Bleoanca, I., Saje, K., Mihalcea, L., **Oniciuc, E.A.**, Smole-Mozina, S., Nicolau, A.I., Borda, D. (2016). Contribution of high pressure and thyme extract to control *Listeria monocytogenes* in fresh cheese- A hurdle approach. Innovative Food Science and Emerging Technologies, 38:7-14, <http://dx.doi.org/10.1016/j.ifset.2016.09.002>

**Oniciuc, E.A.**, Cerca, N., Nicolau, A.I. (2016). Compositional analysis of biofilms formed by *Staphylococcus aureus* isolated from food sources. Frontiers in Microbiology, 7:1-4, <http://dx.doi.org/10.3389/fmicb.2016.00390>

Ciolaru, L., Stessl, B., Bolocan, A.S., **Oniciuc, E.A.**, Wagner, M., Rychli, B., Nicolau, A.I. (2016). Tracking foodborne pathogenic bacteria in raw and ready-to-eat food illegally sold at the Eastern EU border. Foodborne Pathogens and Disease, 13(3):148-155, <http://dx.doi.org/10.1089/fpd.2015.2057>

Bolocan, A.S., Nicolau, A.I., Alvarez-Ordóñez, A., Borda, D., **Oniciuc, E.A.**, Stessl, B., Gurgu, L., Wagner, M., Jordan, K. (2016). Dynamics of *Listeria monocytogenes* colonisation in a newly-opened meat processing facility. Meat Science, 113:26-34, <http://dx.doi.org/10.1016/j.meatsci.2015.10.016>

Bolocan, A.S., **Oniciuc, E.A.**, Alvarez-Ordóñez, A., Wagner, M., Rychli, K., Jordan, K., Nicolau, A.I. (2015). Putative cross-contamination routes of *Listeria monocytogenes* in a meat processing facility in Romania. Journal of Food Protection, 78 (9):1624-1769, <https://doi.org/10.4315/0362-028X.JFP-14-539>

Ariza-Miguel, J., **Oniciuc, E.A.**, Sanz, I., Fernández-Natal, I., Hernández, M., Rodríguez-Lázaro, D. (2015). Evaluation of two commercially available chromogenic media for confirmation of methicillin-resistant *Staphylococcus aureus* from human, animal, and food samples. International Journal of



Food Microbiology, 209: 26-28, <http://dx.doi.org/10.1016/j.ijfoodmicro.2015.05.004>

**Oniciuc, E.A.**, Ariza-Miguel, J., Bolocan, A.S., Diez-Valcarce, M., Rovira, J., Hernández, M., Fernández-Natal, I., Nicolau, A.I., Rodríguez-Lázaro, D. (2015). Foods from black market at EU border as a neglected route of potential Methicillin-Resistant *Staphylococcus aureus* transmission, International Journal of Food Microbiology, 209: 34-38, <http://dx.doi.org/10.1016/j.ijfoodmicro.2014.11.015>

- Projects**
- Present-** PhD student in SafeConsumE project- Safer food through changed consumer behavior: Effective tools and products, communication strategies, education and a food safety policy reducing health burden from foodborne illnesses (no. 727580/2017) („Dunarea de Jos" University of Galati, Galati, Romania)
- Present-** PhD student in SafeFood project- Development of a novel industrial process for safe, sustainable and higher quality foods, using biotechnology and cybernetic approach (ERA-IB-16-014) („Dunarea de Jos" University of Galati, Galati, Romania)
- 01/06/2014-31/12/2014-** PhD student in the FP7th PROMISE project no 265877- Protection of consumers through mitigation of segregation of expertise („Dunarea de Jos" University of Galati, Galati, Romania)
- 2012-2013-** Member in POSDRU project no 86/1.2 /S/52 422- Management correlating education system with labor market („Dunarea de Jos" University of Galati, Galati, Romania)
- Internships**
- 16/01/2017- 15/04/2017-** Erasmus internship- Whole genome sequencing analysis of an OS-MRSA strain associated with food (ITACyL and Universidad de Burgos, Spain)
- 01/03/2016- 15/04/2016-** Doctoral internship- Screening and detection of *Toxoplasma gondii* in pig samples from slaughterhouses (COST FA1408- Universidad de Burgos, Spain)
- 01/12/2015- 28/02/2016-** Doctoral internship- Characterization of the methicillin resistant *Staphylococcus aureus* strains from different neglected routes to Europe (FEMS grant- ITACyL and Universidad de Burgos, Spain)
- 01/10/2015- 30/11/2015-** Doctoral internship- Characterization of the methicillin resistant *Staphylococcus aureus* strains from different neglected routes to Europe (international airports and open market close to EU borders) (COST FA1202 grant- ITACyL and Universidad de Burgos, Spain)
- 10/03/2015-30/04/2015-** Doctoral internship- Characterization of *Staphylococcus aureus* biofilms by CLSM (COST FA1202 grant- Center of Biological Engineering, University of Minho, Braga, Portugal)
- 06/10/2014-12/12/2014-** Doctoral internship- Characterization of *Staphylococcus aureus* isolates by PFGE (PROMISE grant- Instituto Tecnológico Agrario de Castilla y León, Valladolid, Spain)
- 17/02/2014-18/05/2014-** Erasmus internship- Characterization of *Staphylococcus aureus* strains isolated from foods originating from a black market in Romania (Universidad de Burgos, Burgos, Spain)
- Workshops**
- 09/09/2016-** One day Summer School- *In vitro/ In silico* approaches for food science (EFSA, Parma, Italy)
- 18/12/2014-19/12/2014-** Workshop on sensible data produced by the PROMISE consortium with involved research partners and Food Safety Agencies (PROMISE consortium and AGES, Wien, Austria)
- 15/09/2014-20/09/2014-** Hands-on course in advanced techniques to study food-biofilms (COST FA1202- Center of Biological Engineering, University of Minho, Braga, Portugal)
- 14/07/2014-16/07/2014-** PROMISE Summer School- "Protocols on host-pathogen interactions" (Veterinary Research Institution, Brno, Czech Republic)
- 01/07/2014-04/07/2014-** Cell Culture Course- *Listeria monocytogenes* infection assay (Faculty of Food Science and Engineering, "Dunarea de Jos" University of Galati, Romania, course held by Dr. rer. nat. Kathrin Rychli from University of Veterinary Medicine of Vienna)
- 07/10/2013-08/10/2013-** Erasmus intensive course- Physical state effects on food stability (Faculty of Food Science and Engineering, "Dunarea de Jos" University of Galati, Romania, course held by prof. Kirsi Jouppila from University of Helsinki)

**14/04/2013-27/04/2013-** Erasmus intensive programme "Functional Ingredients for Tailored Food" (Cork University, Cork, Ireland)

- Conferences **Oniciuc, E.A.**, Bucur, F.I., Rodríguez Lázaro, D., Barbu, V., Hernandez, M., Nicolau, A.I.- Correlation between biofilm formation and composition and molecular aspects of methicillin-resistant *Staphylococcus aureus*. FEMS Congress, 09-13 July 2017, Valencia, Spain
- Rodríguez Lázaro, D., Ariza-Miguel, J., **Oniciuc, E.A.**, Nicolau, A.I., Rovira, J., Wagner, M., Fernández Natal, I., Hernandez, M. -"Evidence on an emerging risk associated with the methicillin-resistant *Staphylococcus aureus* (MRSA) in the food chain". Food Micro Conference, 19-22 July 2016, Dublin, Ireland
- Fernández Natal, I., Ariza Miguel, J., **Oniciuc, E.A.**, Nicolau, A.I., Rovira, J., Wagner, M., Hernandez, M., Rodríguez Lázaro, D. -"Descripcion del primer caso de la variante OXA sensible de una cepa de MRSA aislada en alimentos". XX Congreso Nacional de la Sociedad Española de Enfermedades Infecciosas y Microbiología Clínica, 26-28 May 2016, Barcelona, Spain
- Saje, K., **Oniciuc, E.A.**, Mihalcea, L., Coman, G., Bleoancă, I., Smole-Mozina, S., Nicolau, A.I., Borda, D.- Synergistic effect of high pressure processing and thyme extract on *Listeria monocytogenes* in fresh cheese. 7th International Symposium EuroAliment, 24-26/09/2015, Galati, Romania
- Oniciuc, E.A.**, Bolocan, A.S., Fotin, A.A., Dajbog, A., Nicolau, A.- "Comparative assessment of disk diffusion and micro dilution methods using CLSI guidelines for antimicrobial susceptibility testing of *Staphylococcus aureus* isolated from foods". Food Safety Congress, 7-8 May 2015, Istanbul, Turkey
- Bolocan, A.S., **Oniciuc, E.A.**, Alvarez-Ordóñez, A., Wagner, M., Rychli, K., Jordan, K., Borda, D., Nicolau, A.I.- "What could explain contamination in a Romanian food processing environment?", Conference- Sensible data: A challenge for Risk Communication?, 18-19 December 2014, Wien, Austria
- Nicolau, A.I., Bolocan, A.S., Rychli, K., **Oniciuc, E.A.**, Alvarez-Ordóñez, A., W Jordan, K., Wagner, M.- "To be persistent or not to be persistent? That is the question for *Listeria monocytogenes* strains isolated from a meat processing environment". General Assembly of the Hungarian Society for Microbiology, 15-17 October 2014, Lake-Balaton, Hungary
- Bolocan, A.S., Rychli, K., **Oniciuc, E.A.**, Wagner, M., Nicolau, A.I.- "Genetic characterization of some *Listeria monocytogenes* strains isolated from a meat processing facility in relation to their tolerance to disinfectants". Food Micro Conference, 1-4 September 2014, Nantes, France
- Bolocan, A.S., **Oniciuc, E.A.**, Dalmasso, M., Alvarez-Ordóñez, A., Jordan, K., Nicolau, A.- "The necessity of changes in the legislation for *Listeria monocytogenes* control in the meat industry". Safefood Annual Conference and 1st Promise Stakeholder Meeting on Listeria, 20 November 2013, Dublin, Ireland
- Bolocan, A.S., **Oniciuc, E.A.**, Barbu, V., Nicolau, A.- "Validation of a PCR method for detection of *Listeria monocytogenes* in meat industry". The 6th International Symposium, 3-5 October 2013, "Dunarea de Jos" University of Galati, Romania
- Oniciuc, E.A.**, Moscu, T., Bolocan, A.S., Udrea, I., Stoica, M., Bleoancă, I., Borda, D.- "Utilization of the revolutionary treatment HPLT for preservation of the amazing whey based beverage: WoWEnergy". The 6th International Symposium, 3-5 October 2013, "Dunarea de Jos" University of Galati, Romania
- Bolocan, A.S., **Oniciuc, E.A.**, Nicolau, A.-"How fast *Listeria monocytogenes* installs in a meat processing environment". The 42nd Annual Food Research Conference, 27-28 June 2013, Dublin, Ireland
- Oniciuc, E.A.**, Gițin, L., Ciortan, S., Maftel (Aron), N., Nicolau, A.- "Intense light pulses effect on fungal burden of mustard and black pepper". International Conference "Biotechnologies, Present and Perspectives", 19-20 November 2010, Faculty of Food Engineering "Stefan cel Mare" Suceava, Romania
- Scientific Session for Students Fotin, A.A., **Oniciuc, E.A.**, Nicolau, A.- "Antibiotic susceptibility of *Staphylococcus aureus* strains isolated from animal origin foods sold in an open market". Student Scientific Session, Faculty "Food Science and Engineering", 22 May 2015, Galati, Romania
- Oniciuc, E.A.** -"Intense light pulses effect on fungal burden of mustard berries". International

Conference "Student in Bucovina", Faculty of Food Engineering "Stefan cel Mare", 8-10 July 2010, Suceava, Romania

**Oniciuc, E.A.**- "What do we know about ionizing radiation?". Student Scientific Session, Faculty "Food Science and Engineering", 14-15 May 2010, Galati, Romania

**Oniciuc, E.A.**- "Effect of light pulses on the *Penicillium* molds". Student Scientific Session, Faculty "Food Science and Engineering", 14-15 May 2010, Galati, Romania

**Oniciuc, E.A.** –Degree of participation– in the event "Chemex Cluj-Napoca", 3rd Edition, "Babes Bolyai" University, 25- 28 March 2010, Cluj-Napoca, Romania

**Oniciuc, E.A.**- "Vegetable concentrates". International Conference "Students for Students", 6th edition, "Babes Bolyai" University, 10-12 April 2009, Cluj-Napoca, Romania

#### Honours and awards

**Oniciuc, E.A.**, Martín Quijada, N., Nicolau, A.I., Hernández, M., Rodríguez-Lázaro, D.- "Comparative genomic analysis for understanding evolution of MRSA Strains"- First prize- Scientific Conference of Doctoral Schools from "Dunarea de Jos" University of Galati, 5th edition, 08-09 June 2017, "Dunărea de Jos" University of Galati, Romania

**Oniciuc, E.A.**, Nicolau, A.I.- "Protein based matrices evidenced in biofilm structure of *Staphylococcus aureus* isolated from food sources"- First prize- Scientific Conference of Doctoral Schools from "Dunarea de Jos" University of Galati, 4th edition, 2-3 June 2016, "Dunărea de Jos" University of Galati, Romania

**Oniciuc, E.A.**, Ariza-Miguel, J., Bolocan, A.S., Diez-Valcaroe, M., Rovira, J., Hernández, M., Fernández-Natal, I., Nicolau, A.I., Rodríguez-Lázaro, D.- "Incidence of *Staphylococcus aureus* in food products illegally sold in a Romanian market and characterization of the isolated strains"- Second prize- Scientific Conference of Doctoral Schools from "Dunărea de Jos" University of Galati, 3rd edition, 4-5 June 2015, "Dunărea de Jos" University of Galati, Romania

Bolocan, A.S., Crăiță, A., Stângă, C.T., **Oniciuc, E.A.** -"Magic Bite product"-Bronz medal- UGAL INVENT, 8-10 october 2014, "Dunărea de Jos" University of Galati, Romania

Stângă, C.T., Crăiță, A., Bolocan, A.S., **Oniciuc, E.A.**- "Magic Bite cupcakes having a complex structure that capitalize two waste products often met in food industry: eggshell and whey" –First prize– Ecotrophelia local competition, 9 may 2014, Faculty "Food Science and Engineering", Galati, Romania

Moscu, T., **Oniciuc, E.A.**, Bolocan, A.S., Udrea, I.- "WoWEnergy product, a whey based beverage with fruit juice preserved by HPLT"-Second prize- Ecotrophelia national competition, 8-9 July 2013, „Stefan cel Mare” University of Suceava, Romania

**Oniciuc, E.A.**, Moisa, D., Danilov, C.- "Studies on the action of light pulses on a grain of mustard on an installation prototype consisting of a vibratory sieve" –First Prize– Student Scientific Session, 14-15 May 2010, Faculty "Science and Food Engineering", Galati, Romania

#### Memberships

**2015-Present-** Member of Romanian Society of Biochemistry and Molecular Biology

**2014-Present-** Member of Romanian Society of Microbiology

**2014-Present-** Member of the Scientific Council of Doctoral School of Engineering („Dunarea de Jos" University, Galati, Romania)

**2012-2014-** Member of Scientific Research Committee of the University „Dunarea de Jos" Senate („Dunarea de Jos" University, Galati, Romania)

**2011–2012-** Member of HACCP system implementation project in the School Inspectorate of Galati (School Inspectorate, Galati, Romania)

#### Others

**23/05/2013-24/05/2013-** Secretary Section 1- Food Technology and applied Biotechnology-Student Scientific Session (Faculty of Food Science and Engineering, "Dunarea de Jos" University of Galati, Romania)