

## PERSONAL INFORMATION

## Ilija DJEKIĆ



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Sex Male | Date of birth 28/08/1968 | Nationality Serbian

**POSITION** Full professor | Head of Department of Food Safety and Quality Management

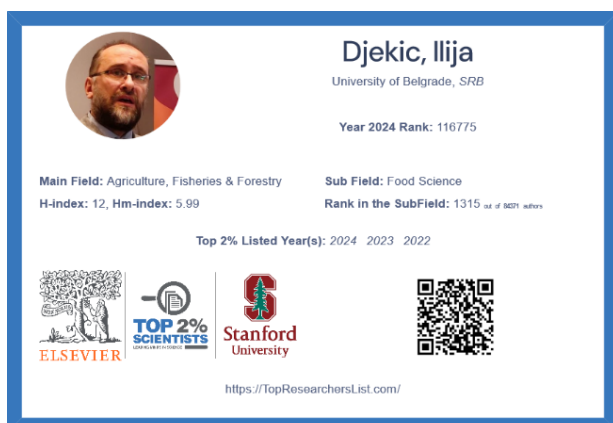
**RESEARCH INTEREST** Food quality and safety | Food modelling | Food oral processing | Food sustainability

## SCIENTIFIC DATABASES

Scopus ID 571953113100  
WoS Research ID G-3649-2015  
ORCID ID 0000-0002-8132-8299  
ResearchGate [https://www.researchgate.net/profile/Ilija\\_Djekic](https://www.researchgate.net/profile/Ilija_Djekic)  
Loop <https://loop.frontiersin.org/people/899507/overview>  
SciProfiles <https://sciprofiles.com/profile/673132>  
eNAUKA <https://enauka.gov.rs/cris/rp/rp03066>



## FACTS &amp; FIGURES



Papers in peer-reviewed journals with impact factor included in the © ISI Web of Knowledge **185**

Papers published in other widely distributed peer-reviewed scientific journals **41**

Books **5**

Chapters in books **13**

Papers in (inter)national conference proceedings **59**

Keynote and/or plenary speech **14**

Documents co-authored with researchers in other countries **58.6%**

Different co-authors **484**

	Citations	h-index
Google scholar	6,550+	45
ResearchGate	5,250+	40
Scopus*	4,100+	35
Clarivate Web of Science™	3,400+	31

Author position in journals with impact factor

Other 32.1%	First author 29.9%	Last author 25.7%
		Second author 12.3%

Scientific projects	Number
European projects	8
National projects	5
Other international projects	4
FAO / World bank projects	2

Type of thesis	Supervisor / promoter	Board of examiners
PhD thesis	10	8
Master thesis	26	26
Bachelor's thesis	71	29
<b>Total</b>	<b>107</b>	<b>63</b>



## WORK EXPERIENCE



(2008 – date)	<b>Full professor (2019 - date)   Associate professor (2013 – 2019)   Assistant professor (2008 – 2013)</b> <b>Head of Department of Food Safety and Quality Management (2017 – 2018, 2021 – date)</b> <b>Director of Central Laboratory of the Faculty of Agriculture (2011 – 2012)</b> University of Belgrade – Faculty of Agriculture <ul style="list-style-type: none"><li>▪ Delivery of lectures related to quality assurance and environmental protection in the food chain. Lectures are delivered at three levels of study: Bachelor Level; Master level and PhD level. Teaching also covers supervision of Bachelor, Master and PhD theses.</li><li>▪ Research activities comprise of active involvement in national and international projects as well as in knowledge transfer of various food quality, food safety and environmental topics to the food industry</li></ul>
(2006 – 2008)	<b>Managing Director</b> Scientific Consulting Services, Zemun, Republic of Serbia <ul style="list-style-type: none"><li>▪ Full responsibility for planning and executing scientific advice and expertise to food business operators in environmental and quality fields; scientific consultancy in the food industry; in-house training of quality and environmental issues in the food industry; quality, food safety and environmental troubleshooting and problem solving of food production processes.</li></ul>
(2004 – 2006)	<b>Regional Manager for Eastern Europe</b> American Assessment Services – Europe (AAS Europe), Belgrade, Republic of Serbia <ul style="list-style-type: none"><li>▪ Full responsibility for planning and executing all management activities and regional business development (North Macedonia, Bosnia and Herzegovina, Turkey);</li><li>▪ Core process covered second and third-party audits (quality management, environmental management, food safety management).</li><li>▪ Auditing quality, food safety and environmental management systems, throughout the food chain (700+ audits)</li></ul>
(2000 – 2004)	<b>Regional Manager for Eastern Europe</b> American Quality and Environmental Group (AQE Group), Belgrade, Republic of Serbia <ul style="list-style-type: none"><li>▪ Full responsibility for planning and executing all management activities – business development, regional development (Bosnia and Herzegovina, North Macedonia), recruitment of staff.</li><li>▪ Core process covered management consulting and training (environmental management, quality management, food safety management)</li></ul>
(2000 – 2001)	<b>Teaching Assistant (part – time)</b> University of Novi Sad, Technical Faculty “Mihajlo Pupin”, Zrenjanin, Republic of Serbia <ul style="list-style-type: none"><li>▪ Assisting students in their practical exercises for subjects “Quality Assurance” and “Quality management systems”.</li></ul>
(1994 – 2000)	<b>Director of Centre for Management Consulting / Management Representative for Quality Management System</b> Institute for Small and Medium Sized Enterprises, Belgrade, Republic of Serbia <ul style="list-style-type: none"><li>▪ Management consulting activities related to small and medium sized companies from the food sector</li></ul>



## EDUCATION

5/2002 – 10/2006	<b>Doctor of technical sciences</b> University of Belgrade, Faculty of Mechanical Engineering - Department of Agricultural Engineering ▪ PhD Thesis – Life Cycle Analysis	PhD
10/1997 – 5/2000	<b>Master of technical sciences</b> University of Belgrade, Faculty of Mechanical Engineering - Department of Agricultural Engineering ▪ Master Thesis – Agricultural Engineering	MSc
10/1987 – 5/1993	<b>Bachelor of technical sciences</b> University of Belgrade, Faculty of Mechanical Engineering - Department of Agricultural Engineering ▪ Bachelor Thesis – Agricultural Engineering	BSc



## PROMOTION

April 2019	<b>Full professor</b> University of Belgrade, Faculty of Agriculture - Department of Food Safety and Quality Management
November 2013	<b>Associate professor</b> University of Belgrade, Faculty of Agriculture - Department of Food Safety and Quality Management
December 2008	<b>Assistant professor</b> University of Belgrade, Faculty of Agriculture - Department of Food Safety and Quality Management
April 2001	<b>Research Assistant</b> University of Belgrade, Faculty of Mechanical Engineering - Department of Agricultural Engineering



## AWARDS

Appeared on the Stanford list of top 2% scientists in the world for 2022, 2023 and 2024 in the fields of food science and environmental science.



## PERSONAL SKILLS



Mother tongue(s) Serbian language

Other language(s)









English language

Croatian / Bosnian / Montenegrin

Greek language

Russian language

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English language	C2	C2	C2	C2	C2
	Technical and Scientific Texts Translator (English / Serbian) accredited by the Republic of Serbia upon completion of appropriate school and the Board Exam from 1993				
Croatian / Bosnian / Montenegrin	C2	C2	C1	C1	C1
	These languages are spoken in the Western Balkans (until 1991, all nations lived in Yugoslavia)				
Greek language	A2	B2	A2	A2	A1
	Lived in Athens, Greece from 1976 - 1980				
Russian language	A1	A2	A1	A1	A1

	Communication skills	Oral Communication; written communication; presentation skills, time management, ability to accept and learn from criticism.
	Leadership skills	Managing, developing and motivating teams to achieve their objectives. Utilizes skills and methods to develop and guide direct reports towards goals. Good delegation to and utilization of direct reports
	Organizational / managerial skills	Independent and self-motivated; managing multiple tasks, team player, problem solver, organized, planning ability, report building.
	Technical skills	Project management, research and development, developing quality plans for projects, drafting conceptual project proposals.
	Computer skills	Advanced skills in using MS Office and SPSS and Minitab statistical software
	Social skills	Ability to listen; open-minded; good attitude; not aggressive; polite; respectful.
	Driving license	Category "B"
	International experience	Belgium, Bosnia and Herzegovina, Bulgaria, Colombia, Croatia, Greece, North Macedonia, Montenegro, Netherlands, Türkiye



## SCIENTIFIC PORTFOLIO

### Research profile

Scientific research evaluates food industry performance by using existing and / or developing new diagnostic models and tools for analyzing quality / food safety / environmental performance in food industry at both company and products level and identifying improvement possibilities throughout the food supply chain.

#### Food quality research topics are:

- Development of food quality indexes models, quality loss functions and quality function deployment related to quality of food and correlation with quality engineering; specific interest is in physical characteristics of food and oral processing as well as novel food technologies;
- Food oral processing intertwined with sensory analysis, food physics and food modelling
- Quality and statistical tools in food industry and process engineering factors affecting quality and performance such as statistical process control; evaluating influence of food processes on lean wastes and application of kaizen tools in food industry

#### Food sustainability research consists of:

- Performing bottom-up research of current greenhouse gas (GHG) practices throughout the food chain, and developing various management / mitigation strategies in improving GHG practices throughout the food supply chain.
- Life-cycle assessment of food products and development of new environmental potentials
- Deployment of process approach in sequencing food technologies and identify sustainable potentials, focused on conservation of natural resources and reduction, recycling and reuse of food waste.

#### Food safety research comprise of:

- Food safety management (including specific prerequisite programs and HACCP) as well as new food safety management requirements such as food safety culture, food fraud and food defense;
- Hygienic design of equipment in food companies and evaluation of risks
- Exposure assessment based on consumption studies targeting specific food hazards

### Publications

<b>A1</b>	Papers in peer-reviewed journals with an impact factor included in the © Web of Knowledge	<b>185</b>
<b>A2</b>	Papers published in widely distributed peer-reviewed scientific journals, not included in (A1)	<b>41</b>
<b>A3</b>	Papers published in national peer-reviewed journals, not included in (A1) or (A2)	<b>14</b>
<b>B1</b>	Book author or co-author	<b>5</b>
<b>B2</b>	Chapters in books	<b>13</b>
<b>C1</b>	Papers in (inter)national conference proceedings not included in the previous categories	<b>59</b>
<b>C2</b>	(Inter)national posters and abstracts	<b>41</b>



## SCIENTIFIC PROJECTS

### International Projects

- DEEP - Digitalisation of nonthermal Extraction of proteins from plant by-products and Electroforming as output Product (Croatian Science Foundation; 2023 – 2027)
- AEDIL dairy CoVE „European Excellence in Dairy Learning“ (Erasmus+ project; 2023-2026)
- SUSTRA - Blended Sustainability Training for Livestock and Animal Food Production (Erasmus+ project; 2023-2025)
- Evidence building on specific food safety issues in the Europe and Central Asia region (Food and Agriculture Organization of the United Nations; 2022-2023)
- EISuFood—Edible Insects as Sustainable Food, CERNAS-IPV/2020/003; Portuguese international project (2021 – 2023)
- MYCOKEY - Integrated and innovative key actions for mycotoxin management in the food and feed chain – H2020 - SFS-2015-2 (EU H2020 project 2016 – 2021)
- EATMOT - Psycho-social motivations associated with food choices and eating practices; Portuguese international project PROJ/CI&DETS/2016/00018 (2016 - 2020)
- CA15118: FoodMC - COST Action Mathematical and Computer Science Methods for Food Science and Industry (EU COST Action; 2015 – 2020)
- FUTURE-FOOD. Faster Upcoming Technology Uptake Relevant for the Environment in FOODs Drying - H2020-SFS-2014-2 (EU H2020 project; 2015 – 2019)
- AQUAVALENS. Protecting the health of Europeans by improving methods for the detection of pathogens in drinking water and water used in food preparation (EU FP7 Program; 2013 – 2018)
- Quality control of life cycle inventory data of the milk processing chain in France (National French project under supervision of The Agency for Environment and Energy Management; 2015 - 2016)
- Veg-I-Trade. Impact of Climate Change and Globalization on Safety of Fresh Produce governing a Supply Chain of Uncompromised Food Sovereignty (EU FP7 program; 2010 – 2013)
- Phase two of the development of an Environmental Management System for “Electric Power Industry” of Serbia Europeaid/119860/C/SV/multi LOT N°4: Energy and nuclear safety (EU project; 2007 - 2008)
- Legal Consultancy for the Drafting of a Regulation on the Conditions and Procedure for Defining the Liability of the State for Past Environmental Damage Caused by Enterprises under Privatization (World Bank Project; 2004)

### National Projects

- Proof-of-Concept - 5229 - Design of artificial masticator for modelling food oral processing (National project - Serbian Innovation Fund; 2020 - 2021)
- TR 31034 - Selected biological hazards for safety of food of animal origin and control measures from farm to consumer (National project of Serbia; 2016 - 2019)
- Survey on Achieved Effects of Yugoslav Certified Organizations with Established Quality Management System realized for the Quality Council of the Government of the Republic of Serbia (National project of Serbia; 2000)
- Implementing quality management system based on ISO 9001 in preschools, elementary and high schools in the Republic of Serbia, realized for the Quality Council of the Government of the Republic of Serbia (National project; 1998)
- Education and employment of quality experts in the Republic of Serbia, realized for the National Employment Agency (National project; 1998)



## SERVICE TO SCIENCE

### Editorship:

- Book: Handbook of Climate Change Across the Food Supply Chain, (2022) Series Title: Climate Change Management. Publisher: Springer International Publishing. Edition No1. Series ISSN: 1610-2002. ISBN 10: 303087933X. ISBN 13: 978-3030879334.
- Journals: International Journal of Climate Change Strategies and management, Emerald Publishing; Sustainable Food Systems, Frontiers; Sustainability, MDPI; Standards, MDPI; Science Progress, SAGE.
- Lead Guest Editor for 5+ special issues.

**Peer review of manuscripts:** 185+ verified reviews in 20+ scientific journals.

**Peer review of projects and technical solutions:** European Commission (European Research Executive Agency), Qatar (Qatar Research, Development, and Innovation Council), Kazakhstan (National Center of Science and Technology Evaluation, Republic of Kazakhstan), Poland (National Science Centre, Poland) and Serbia (Ministry of Science and Technology of Republic of Serbia).

**Committee(s)** - Member of organizing / scientific committees in 15 international and domestic Conferences

### Supervision of a third teaching cycle

- Member of the supervision committee for accrediting the third teaching cycle “Managing the food chain”, Technological Faculty Zvornik and Faculty of Agriculture Eastern Sarajevo, University of New Sarajevo, Bosnia and Herzegovina (2014).

## Promotion of professors / scientists in academia

Promotion	Chair of committee	Member of committee
Full professor	2	1
Associate professor	1	2
Teaching assistant / associate	2	
Research associate	1	1
Research assistant		2
Junior researcher		2
<b>TOTAL</b>	<b>6</b>	<b>8</b>



## PATENTS

Markovic D., Djekic I. (1993): *Ecological irrigation system*, Federal Bureau for patents, Patent No. P - 578 / 93; registered patent protected in Federal Bureau for patents of the Federal Republic of Yugoslavia (two patent requests).



## TEACHING

### Supervision of students

Type of thesis	Supervisor / promoter	Board of examiners
PhD thesis	10	8
Master thesis	26	26
Bachelor's thesis	71	29
<b>Total</b>	<b>107</b>	<b>63</b>

### Member of councils

- Member of the Teaching council of the Faculty of Agriculture (on behalf of the Institute of Food Technology and Biochemistry); 2012 – 2015.

### Teaching in other contexts

- Trainer to the International School on Modeling and Simulation in Food and Bio Processes – MSFS2018, training school of COST action CA15118 FoodMC, held in Seiano - Vico Equense, Italy, and giving a lecture and a workshop on “Life Cycle Assessment modeling” (June 2018).
- Lecturer to postgraduate students and staff of the Department of Food Engineering, Faculty of Food Technology and Biotechnology, Zagreb, Croatia: “Environmental models in food industry – life cycle assessment approach” and “Modeling food quality – quality indexes and quality function deployment” (March 2018).
- Lecturer to postgraduate students and staff of the Department of Food Technology, Thessaloniki, Greece: “Environmental models in food industry – life cycle assessment approach” and “Modeling food quality – quality indexes and quality function deployment” (September 2017).
- Participation in “Development of a MSc program in Agri-Food Science in Ibagué, Colombia” and giving series of lectures related to Environmental and Quality issues in the food industry (October 2013).