



Damir Magdić, PhD  
Tenured professor

#### **Basic data:**

**Damir Magdić** –Tenured professor at Faculty of Food Technology, University of Osijek, Croatia (from 2019); BSc degree in 1992 (University of Osijek, Croatia); MSc degree in 1999 (University of Zagreb, Croatia), PhD degree in 2003 (University of Zagreb, Croatia); Head of Sub-department of Modeling, Optimization and Automation (2005-2017; 2022-...); Vice Dean for Education (2005-2010; Designing, introducing and organizing Bologna reform process at one Pre-graduate and three Graduate Studies); International Expert for the Evaluation and Accreditation of Higher Education Institutions and Study Programs.

#### **Teaching experience:**

*Undergraduate study* (1999-2015)– Informatics, Physics, Technical physics, Thermodynamics; Measurement, regulation and automation;

*Graduate study* (1993-...)- Modeling and Management in Food Technology Processes, Modeling and Optimization of Processes, Diet Optimization by Computer Applying;

*Postgraduate study* (2005-...)- Diet Modeling and Optimization, Non-destructive Methods of Analysis of Food and Processes, Non-destructive Methods of Analysis of Economic Species.

#### **Research experience:**

Scientific area: Biotechnical sciences; Scientific field: Food Technology. Main subjects: modeling, data analysis, simulation and optimization, chemometrics, non-destructive analysis, food materials and nutrition. Published 50+ scientific papers, participated with oral and poster presentations at 30+ international and national scientific congresses and conferences, mentor of doctoral thesis and 44 graduate theses.

Links on scientific papers: [CroRIS](#), [GoogleScholar](#), [Research Gate](#), [ORCID](#)

#### **Engagement in international and other types of projects:**

##### ***Contributor to international scientific projects***

- "Genetically diversity of gluten proteins and its relationship with wheat baking quality", Croatia-Serbia, 2011-2012
- "Higher Education Learning Partnerships (HELP)", TEMPUS Project No 144596, 2009-2012

##### ***Head and principal investigator of national scientific projects***

- "Non-destructive methods in food production and storage", Ministry of Science, Education and Sport, Croatia (113-1130471-0592), 2007-2013

##### ***Contributor to national scientific projects***

- "Heat transfer and thermal properties in food processing", Ministry of Science, Education and Sport, Croatia (113-1130471-0451), 2007-2013
- "CA systematic approach to the introduction of learning outcomes in higher education", Croatian Science Foundation, 2008-2009
- "Modeling and optimization of the process of freezing food", Ministry of Science and Technology, Croatia, (113008), 2002-2006
- "Improving the production of highly nutritious food", Ministry of Science and Technology, Croatia, (0113002), 1996-2002

##### ***Head of area projects***

- "Inter laboratory comparisons ", Inspecto d.o.o. Đakovo, Croatia, February 1 - March 31, 2014
- „Increase of production capacity and franchise distribution of sauces and dough, consulting and preparation of project application materials “, NOBEL KLUB d.o.o. Zagreb, Croatia, 2014.
- "Microbiological analysis and recommendations for the preservation of pasta and sauces", NOBEL KLUB d.o.o. Zagreb, Croatia, May 10 – July 3, 2013

##### ***Contributor of area projects***

- "Priority directions of investment in the agricultural complex in County Vukovarsko-Srijemska ", University of Zagreb, Faculty of Agriculture, Croatia, 1999

#### **Professional positions and management:**

	<p><u>Faculty of Food Technology Osijek</u></p> <ul style="list-style-type: none"> <li>• 2005-2017; 2022-... Head of Sub-department of Modeling, Optimization and Automation</li> <li>• 2022-2026 Member of the Commission for monitoring and quality assurance of higher education</li> <li>• 2020-... Member of the Committee for the Verification of the Conditions of the Rectors' Conference</li> <li>• 2014-2020 Member of the Committee for Postgraduate Study "Nutrition"</li> <li>• 2014-... Member of the committee for the Election to Scientific, Scientific-educational and Associate Titles</li> <li>• 2005-2013 Member of the Ethical Commission</li> <li>• 2005-2010 Vice Dean for Education (introduced Bologna reform process at Pre graduate and Graduate Studies)</li> <li>• 2005-2010; 2022... Chairman and member of the: Board for Quality, Board for Pre graduate and Graduate Studies, Board for Graduate Thesis</li> </ul> <p><u>University of Osijek</u></p> <ul style="list-style-type: none"> <li>• 2009-2015 Member of the Commission for Erasmus mobility</li> <li>• 2005-2010 Member of the Committee for Education and Human Resources of the <u>Ministry of science and technology of Republic of Croatia</u></li> <li>• 2007-2013 Main researcher and project manager at the national scientific project</li> </ul> <p><b>Membership of international committees</b></p> <ul style="list-style-type: none"> <li>• 2024 - Consultant to the Committee for Self-Analysis in the Re-Accreditation Process, Josip Juraj Strossmayer University of Osijek, Faculty of Food Technology Osijek, Republic of Croatia</li> <li>• 2024 - President of the International Commission of Experts for Accreditation of the Basic Academic Study Program "Nutrition", UDG FPTBHE Podgorica, Montenegro</li> <li>• 2024 - Member of the International Commission of Experts for Quality Assessment and Audit and Recommendations on the Accreditation of Clusters of Study Programs in the Field of Engineering and Technology in addition to Two Study Programs in the Field of Natural Sciences of the University of Banja Luka, BiH</li> <li>• 2024 - Member of the International Commission of Experts for Accreditation of the College "Logos Center" Mostar, BiH</li> <li>• 2024 – Member of the International Commission of Experts for the Accreditation of the Study Program "Agriculture Environment", Faculty of Food Science and Biotechnology, Prishtina, Republic of Kosovo</li> <li>• 2024 - Member of the International Commission of Experts for Re-accreditation of the Study Program "Food Science and Biotechnology" (BSc, with 2 specializations: 1. Food science and Biotechnology, 2. Nutrition) of the Faculty of Agriculture and Environmental Engineering, Prizren, Republic of Kosovo</li> <li>• 2024 - Member of the International Commission of Experts for the Accreditation of Clusters of Study Programs of the Faculty of Technology in Tuzla, BiH</li> <li>• 2023 - Member of the International Commission of Experts for Accreditation of the University of Banja Luka, BiH</li> <li>• 2021 – Member of the International Commission of Experts Who Evaluate and Perform Quality Review and Give Recommendations on Accreditation of the Higher Education Institution "University of Herzegovina", Mostar, BiH</li> <li>• 2020 - Member of the Science Advisory Board</li> <li>• 2020 - Member of the International Commission of Experts for Accreditation of the University of Bihać, BiH</li> <li>• 2019 - Member of the International Commission evaluates and performs quality audits and makes recommendations on the accreditation of the higher education institution International Burch University Sarajevo, BiH</li> <li>• 2016.-2017.- International Expert-Consultant-Workshop Leader for the Development and Revision of Study Programs, Ref. no. MNE-HERIC-81180-SciFood-IC-CS-16-2, under the Sci-Food project, University Donja Gorica, Podgorica, Montenegro</li> <li>• 2015.- Member of the International Commission for the Evaluation of the Quality System at the University of Vitez, BiH</li> </ul>
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	<ul style="list-style-type: none"> <li>• 2014 - Member of the International Commission for Quality Assessment and Audit and Recommendations on Accreditation of the University of Sarajevo School of Science and Technology, BiH</li> <li>• 2013 – Advisor in the re-accreditation process, Josip Juraj Strossmayer University of Osijek, Faculty of Food Technology Osijek, Republic of Croatia</li> <li>• 2011 - Member of the International Commission for Quality System Evaluation at the Department of Viticulture and Technology, Technological Educational Institute of Athens, Greece</li> <li>• 2007 – International Expert for External Evaluation of Quality Systems in Higher Education Institutions, The Agency for Science and Higher Education (ASHE), Republic of Croatia</li> </ul> <p><b>Membership of editorial boards</b></p> <ul style="list-style-type: none"> <li>• Member of editorial boards of international scientific journals: <ul style="list-style-type: none"> <li>- Croatian Journal of Food Science and Technology (CJFST), 2008-...</li> <li>- International Journal of Recent Research in Interdisciplinary Sciences (IJRRIS), 2017-...</li> <li>- International Journal of Nutrition and Food Sciences (IJNFS), 2014-...</li> <li>- Food Science &amp; Nutrition Journal (FSNT), 2021-...</li> </ul> </li> </ul> <p><b>Membership of organizing and scientific committees</b></p> <ul style="list-style-type: none"> <li>• Honorable Organizing Committee Member for “5th world conference on Food Technology and Probiotics” in Porto, Portugal, October 19-20, 2020</li> <li>• Member of the International Scientific Committee of the International Conference Water for All, Osijek, Croatia, 2019-2023</li> <li>• Member of the Organizing Committee of the International Conference on Agricultural and Food Science &amp; 7th International Conference on Biotechnology and Bioengineering, Lahore, Pakistan, 2017</li> <li>• Member of the Scientific Organizing Committee of the International Congress "XIIIth Ružička days" Vukovar, Croatia, 2010</li> <li>• Member of Scientific Organizing Committee of the 20th Croatian and 3rd International Congress of Technologists for Postharvest Technology, Stubičke Toplice, Croatia, 2008</li> <li>• Member of the Organizing Committee of the International Congress "Flour-Bread '07" Opatija, Croatia, 2007</li> <li>• Member of the Organizing Committee of the International Congress "Flour-Bread '99" Opatija, Croatia, 1999</li> <li>• Member of the Organizing Committee of the International Congress "Flour-Bread '97" Opatija, Croatia, 1997</li> </ul> <p><b>Leading and participating in workshops and conferences:</b></p> <ul style="list-style-type: none"> <li>• Workshop leader: Learning Outcomes – Planning of Competency-Based Study Programmes, ASHE of the Republic of Croatia, Osijek, 26.10.2017.</li> <li>• Workshop and training leader: Learning outcomes in the revision of study programs, University of Donja Gorica, Podgorica, Montenegro, 15.-16.2.2017.</li> <li>• Workshop: Improvement of study programs in the field of biotechnical sciences according to the principles of the Croatian Qualifications Framework, PTF Osijek, Croatia, 14.4.2016.</li> <li>• Training for project managers according to PMI methodology, SPIN studio Osijek, Croatia, 2013</li> <li>• Workshop: Development of a project idea and application of an EU project – Modules I-III, CZP Osijek, Croatia, 2013</li> <li>• Workshop: Training for PMP/CAPM certificates (PMI methodology and Workshop PMBOK Guide), SPIN studio Osijek, Croatia, 2013</li> <li>• Workshop: Professional media training for scientists in the field of food technologies and nutrition, HAH Osijek, Croatia, 2013</li> <li>• Workshop: Laboratory on the market, CROLab, Zagreb, Croatia, 2012</li> <li>• Lecturer and participant at the South Eastern European Seminar "Train the Peers" on external quality assurance, Sarajevo, Bosnia and Herzegovina, Organizer: Hochschulrektorenkonferenz (HRK), German Rectors' Conference and International Accreditation Agency FIBAA, June 2009,</li> </ul>
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	<ul style="list-style-type: none"><li>• Organizer and lecturer at the workshop: Introduction of Learning Outcomes in Higher Education, Josip Juraj Strossmayer University of Osijek, Croatia, 2008</li><li>• Accredited international expert for independent external assessment of quality systems in higher education institutions, ASHE of the Republic of Croatia, Zagreb, 2007</li><li>• Workshop: 8th International Summer School of Image Analysis, University of Zagreb, Faculty of Electrical Engineering and Computing, Republic of Croatia, 2000</li></ul> <p><b>Other:</b></p> <ul style="list-style-type: none"><li>• 2016. - Charter for a particular work and achievements in teaching, scientific and professional activities, University of Osijek Faculty of Food Technology Osijek</li><li>• 2000. CEEPUS scholarship – International expert exchange: <i>Image analysis in food technology</i>, <i>Szent Istvan University Budapest</i>, Hungary, February-March, 2000.</li><li>• Reviewer of university textbooks</li><li>• Reviewer of foreign scientific research projects</li><li>• Reviewer at the awarding of annual awards for science in the Republic of Croatia</li><li>• Member of the Croatian Society of Chemical Engineers and Technologists (HDKI)</li><li>• Member of the Alumni Club of the Faculty of Food Technology Osijek</li><li>• Writes, reads and speaks Croatian, Bosnian, Serbian (Cyrillic alphabet) and English</li><li>• Highly developed IT skills (programming, administration, computer image analysis, databases, statistics)</li><li>• Hobby: photography</li></ul>
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