

**Summer Field School [Online] on  
 MOUNTAIN ECOSYSTEMS AND RESOURCE MANAGEMENT  
 Ivano-Frankivsk Region, Ukraine :: 19-28 September, 2021**

**DELEGATE PARTICIPANT'S PROFILE**

	<p><b>Dr. Ioana-Daniela Dulama</b>  <i>Scientific Director</i>        Institute of Multidisciplinary Research for Science and Technology        Valahia University of Targoviste</p> <p>Targoviste, Romania        Tel: +40-720-140-647        Email: <a href="mailto:dulama_id@yahoo.com">dulama_id@yahoo.com</a>; <a href="mailto:dulama.ioana@icstm.ro">dulama.ioana@icstm.ro</a></p>
<p><b>Highest Education</b></p>	<p>Doctor (Physics)</p>
<p><b>Personal Statement</b></p>	<p><b>Career path:</b> Scientific researcher (2014-2019); Research assistant (2009-2014) – Valahia University of Targoviste (Institute of Multidisciplinary Research for Science and Technology); Senior researcher III (August-November 2016) – Academy of Romanian Scientists.</p> <p><b>Current position:</b> Scientific researcher III (from 2019) and Scientific Director (from 2021) - Valahia University of Targoviste (Institute of Multidisciplinary Research for Science and Technology); Conformance evaluator - Romanian Movement for Quality.</p> <p><b>Studies:</b> B.Sc. Physics (2002-2006), M.Sc. in Physico-Chemical Analytical Methods for Life Sciences and Environmental Quality Control (2006-2007), M.Sc. in Control and Evaluation Systems for Environmental Quality (2009-2011); PhD in Physics (2008-2012).</p> <p><b>Research abilities</b> on high precision and sensibility techniques (SEM-EDS, ICP-MS) used for monitoring the environmental pollution (soil, water, air, vegetation) with heavy metals; Member in 34 research projects (2009-present), in present involved in 5 projects (4 international and 1 national research grants);</p>

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	<p><b>Research results:</b> 88 papers published in ISI journals (according Publons), 21 papers published in journals indexed in International Databases, 457 citations in Web of Science database (Hirsch index <math>h = 16</math>), 4 books and 4 chapters published on international and national publishers; 19 Prizes/distinctions.</p>
<b>Paper/Presentation Title (Unpublished Research or Review or Field Work)</b>	<i>The Ability of Edible Vegetables to Accumulate Toxic Metals and the Risk generated by Their Consumption to Human Health</i>
<b>Keywords</b>	Toxic metals; Accumulation index; Translocation index; Health risk index; Carcinogenic risk
<b>Abstract (100-300 words)</b>	<p>In the last decades, food security became a high-priority issue, as well as a new indicator for sustainable development at the global level. Some plants tend to accumulate one or more toxic metals; also, their consumption disrupts the proper functioning of the human metabolism and can cause serious diseases, including cancer.</p> <p>This paper presents the methodology regarding the accumulation and translocation indexes, as well as the health risk assessment using the USEPA recommendations. More data series with results obtained on edible vegetables (i.e., medicinal plants, vegetables and/or fruits, mushrooms, etc.) will be presented.</p> <p>The effects of contaminants on food quality have threatened both food security and human health, but the risks associated with the consumption of edible wild vegetables cannot be evaluated without the proposed indexes.</p>
<b>More Information (weblinks)</b>	<a href="#"><u>Researcher ID / Publons</u></a> <a href="#"><u>Google Academic</u></a> <a href="#"><u>ORCID ID</u></a>