


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

DELEGATE PARTICIPANT'S PROFILE

	<p>Dr. Liudmyla Chyhur <i>Associate Professor</i> Department of Automation and Computer-Integrated Technologies Institute of Information Technologies Ivano-Frankivsk National University of Oil and Gas</p> <p>Ivano-Frankivsk, Ukraine Tel: +38-097-700-86-39 Email: lyudmylla@gmail.com</p>
<p>Highest Education</p>	<p>Ph.D. (Automation)</p>
<p>Personal Statement</p>	<p>I was born on September 24, 1981 in Yaremche, where received school education. 1998-2003 - study at the Ivano-Frankivsk National Technical University of Oil and Gas, majoring in "Automated technology process control". After graduating from the university, I entered graduate school, which graduated in 2006. During postgraduate studies and until 2009, I participated in the creation of a distance learning center at the same university. Since 2011 - held the position of assistant of the department "Automation of technological processes and monitoring in ecology". And in 2013 I defended dissertation on the specialty "Automation of technological processes and production", the topic "Decision support system for control of rock-destroying tool of abrasive action in the uncertainty of the drilling process." In 2016 I received the academic title of associate professor. Research is related to the development of expert systems using modern artificial intelligence technologies. I am the author of more than 50 scientific and educational-methodical works. I have been a member of the Environmental NGO "MAMA-86-Yaremche" since 2010.</p> <p>Participation in the project implementation:</p>

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	<ul style="list-style-type: none"> - 2021 - present time - «Waste recycling project for Hoverla Mountain» (Global Conservation, USA); - 2018-2019 - “Organization of the Scientific and Cognitive Field Ecological Center“ Green Laboratory” as a Means of Greening the Student Youth” (Western Ukrainian Resource Center, Embassy of the Czech Republic in Ukraine); - 2014 - "Energy of the Sun - for the Service of Children!" (Installation of solar thermal collectors for the Mykulychyn School) ("Strong Community" contest with the support of the Ukrainian Halych Assembly); - 2013-2016 - Green Week in Ukraine (SSNC), (promotion of sustainable production and consumption in Ukraine); - 2013 - “Energy saving is a lifestyle” (trainings for children on energy saving, participation in the European Sustainable Energy Week, installation of solar thermal collectors for the Delyatyn Catechistic School) (SIDA, MAMA-86); - 2012 - “Implementation of sorting of municipal solid waste in Mykulychyn village” (Anti-crisis humanitarian program of the International Renaissance Foundation).
Paper/Presentation Title (Unpublished Research or Review or Field Work)	<i>Solar Energy Accessibility for Local Mountain Communities</i>
Keywords	Environmental technologies; Solar thermal air collectors
Abstract (100-300 words)	<p>Environmental NGO "MAMA-86-Yaremche" unites people of different professions who care about environment and sustainable use of natural resources. We promote environmentally friendly lifestyle and to advance environmental technologies.</p> <p>One of the examples of eco-technologies promoted by “MAMA-86-Yaremche” is the use of solar energy. Two ttechnical pilot projects were implemented by our organization in cooperation with the Department of Physical Chemistry of Combustible Minerals of the Institute of Physical and Organic Chemistry and Coal Chemistry of L.M. Lytvynenko of the National Academy of Sciences of Ukraine. Solar thermal air collectors, developed by the above-mentioned institution and manufactured by a private</p>

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	<p>entrepreneur, were installed in two schools of Ivano-Frankivsk region (4 collectors in each school).</p> <p>Solar collector refers to the heating and ventilation equipment that works exclusively on solar energy. It works on the principle of simultaneous ventilation and heating. After the installation this system works automatically, wholly free of charge and the whole year round. This technology could be applied in houses, garages, greenhouses, children's health camps, libraries, churches and other buildings. This technology is also used for the manufacture of dryers. This thing is necessary for every mountain family. All households collect mushrooms, berries and herbs. Due to the humid and rainy weather in our region, dryers using solar energy are indispensable for efficient and safe drying of the collected raw materials. The advantage of this technology is its low cost and, consequently, accessibility to any resident of the community.</p>
More Information (weblinks)	http://mama-86.org.ua