

**Summer Field School [Online] on
MOUNTAIN ECOSYSTEMS AND RESOURCE MANAGEMENT
19-28 September 2021**

Lecture Outline (Deadline for Submission: 10 August 2021)

Name of Faculty Member (Facilitator)	Christina Adams California, USA
Technical Session Group No.	5.1
Technical Session Group Name	Transhumance; Pastoralism; Rangeland Governance
Topic	A Global Perspective on Pastoralist Values
Sub-Topics	
Synopsis (if any) (max. 100 words)	<p>Many endangered species survive mainly in zoos and botanical gardens. Having key ecosystems being preserved through protective measures is not sustainable. Species and ecosystems need freedom to evolve in their natural conditions. Economic policies should create financial resources for those who would otherwise damage natural resources.</p> <p>The world is facing multiple crises, per former United Nations Chief BK Moon, with ten years to act. Traditional methods such as those developed by pastoral and nature-based cultures can help sustain biodiverse life and lead to greater health for humans and animals, as demonstrated in studies and reports. Economic improvements can result from practical applications of such ancestral knowledge.</p> <p>One demonstration of this animal-human linkage is the use of camel milk for health conditions and as a sustainable traditional food in drylands and rangelands. While the growth in camel milk is noted in many traditional camel-raising countries, India is an exception, with the camel population falling precipitously. The use of camel milk for autism among families with autistic members is the reason for 80% of the sales of one main Rajasthani camel dairy, with TB becoming a secondary market during the COVID-19 pandemic.</p> <p>The movement behind the rising worldwide use of camel milk for health was driven mainly by the author's experience,</p>

	<p>as noted in her 2013 publication “Autism Spectrum Disorder Treated with Camel Milk” (GAHM Journal) and other publications, most recently the nonfiction book “Camel Crazy: A Quest for Miracles in the Mysterious world of Camels” (New World Library 2019). The inspiration behind her initial use and subsequent research and market development of camel milk is a demonstration of how pastoral knowledge contributes to contemporary economic value and inspires greater use of camel milk in the global market.</p> <p>The recent use of camel dairies as a growing market-driven business sector demonstrates the overall need for great biodiversity maintenance, as seen in the nascent innovative use of registered dryland and rangeland databases. Pastoralists, often keepers of genetic legacies due to their knowledge and care of livestock and plants, can benefit from greater communal coordination, and will hopefully lead to greater recognition and protection. The value of these genetic legacies is increasingly being viewed as irreplaceable despite hard challenges including development, climate change and more. Increasing the dialogue around these topics is key to their precarious yet important survival. Wildlife can also benefit from increased protection through recent improvements in transportation corridors, with one new California effort as an example.</p>
<p>List of Learning Material (Files to be availed to us before 31 August 2021)</p>	<ul style="list-style-type: none"> ▪ PPT/Presentation ▪ Handout 1 ▪ Handout 2 ▪ Handout 3 ▪ Graphic Illustration (jpeg, png file) ▪ Published/Unpublished Article 1 ▪ Published/Unpublished Article 2 ▪ Bibliography (further reading) ▪ List of weblinks (further reading) ▪ Other (e.g., Notes, Software)

*Please read the Guidelines for Lecture Preparation before filling in this chart.