

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

Name of Faculty Member (Facilitator)	Prof. Sanjay Swami
Technical Session Group No.	Technical Sessions Group-3.2 [Day.4: 22 September 2021]
Technical Session Group Name	Participatory Resource Management; Watershed Management; River Basin Management
Topic	Ridge to Valley Treatment of Hilly Terrains: Soil & Water Conservation
Sub-Topics	<p>Soil & Water Conservation in Present Context What is Watershed? Need of Watershed Management/Development (a) Area treatment (b) Drainage line treatment (c) In-situ water conservation</p> <p>Area Treatment: Area treatment linked with land use: Afforestation (AF): Water Absorption Trench (WAT) AF: Continuous Contour Trench (CCT) Crop Cultivation (CC): Contour Bund CC: Graded Bund CC: Contour Stone Bund CC: Compartment Bund CC: Terracing Pasture: Contour Stone Bund</p> <p>Drainage line treatment: Stone gully plugs LBS Gabion structure Earthen Nala Bund Cement Nala Bund Stepped CNB</p> <p>Ridge to valley treatment of hilly terrains Integrated Land Use System Case study from North Eastern Region of India: Zabo farming system on hill slope</p>
Synopsis (if any) (max. 100 words)	If you have any synopsis or abstract for this topic/lecture, please write here.
List of Learning	<ul style="list-style-type: none"> ▪ PPT/Presentation

Material (Files to be availed to us before 31 August 2021)	<ul style="list-style-type: none">▪ Bibliography (further reading)▪ List of weblinks (further reading)
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*Please read the Guidelines for Lecture Preparation before filling in this chart.