

Collaborating Communities, Conserving Criticals: Conservation of indigenous medicinal plants and knowledge in Baitadi and Darchula districts, Nepal

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**Progress Report
July 2017**

Progress Checklist

Date	Status
Jan 19, 2017	Project approved
Jan-Feb-2017	Field preparation
Feb-June 2017	Literature Review
Feb 01, 2017	Nepal field (Florida-Ktm)
Feb, 2017	Institutional visit (Department of National Parks, Forests, Plant Resources)
March-May, 2017	Field visit (Associates: Mr. Santosh Thapa (MS); Kranti Kumal (MS), Shiv raj Bhatta(Local-Baitadi), Hira S Dhama (Local-Darchula)
March	District meetings with DFO, Pravrat Sapkota, DFO Baitadi
April	Field visits
May	District meetings with DFO, Sanjaya Tiwari, DFO, Darchula
May	List of 25 plant species was sorted out based on discussion with DFOs and local communities and showed their photos (1-4 photos/species) to students and their respective guardians separately for knowledge gap analyses.
June, 2017	Plant specimens submitted to KATH, Godawari, Ministry of Forests and Soil Conservation (MoFSC)
June 18, 2017	Return US from Nepal
June	Data compiling
In progress	Plant identification at KATH, data analyses
	Identification of 5 important species
	Development of sustainable harvesting guidelines of these 5 species
	Data analysis on knowledge gap between two generation by utilizing the

Preliminary Findings:

1. Following 5 schools and their 90 students from grades 5, 6, 7, 8 and 9 took part in discussions of traditional knowledge.

- Janapriya School, Kakasyali, Baitadi
- Kalaika School, Thanta, Baitadi
- Siddeswor School, Hukkedanda, Baitadi
- Saraswato School, Selichama, Darchula
- Bhagawati School, Darchula

2. Their guardian and parents were also surveyed separately in another room therefore the discussions were not disturbed by their counter subjects. Findings of both interactions were treated individually and analysed for further discussion.

A total of 86 photos of 25 species were provided to them to identify and record their uses, vernacular names and locality they found (Table 1)

SN	Species	Common name	Photos provided	Identified	Vernacular names	Uses	Locality found
1.	<i>Abrus precatorius</i>	Ratigedi	2				
2.	<i>Aesandra butyracea</i>	Chiuri	1				
3.	<i>Agava cantula</i>	Ketuki	3				
4.	<i>Asparagus racemosus</i>	Kurilo	3				
5.	<i>Bergenia ciliata</i>	Pakhanved	4				
6.	<i>Cinnamomum tamala</i>	Tejpat	6				
7.	<i>Curcuma aromatica</i>	Haldi	4				
8.	<i>Ficus palmata</i>	Bedu	3				
9.	<i>Oroxylum indicum</i>	Maltata	5				
10.	<i>Paris polyphylla</i>	Satuwa	5				
11.	<i>Phyllanthus emblica</i>	Amala	3				
12.	<i>Phytolaca acinosa</i>	Jarkho	3				
13.	<i>Princepia utilis</i>	Dhatelo	3				
14.	<i>Rhus javanica</i>	Satibayer	2				
15.	<i>Rhus parviflora</i>	Bakimlo	4				
16.	<i>Rubia manjith</i>	Majitho	2				
17.	<i>Sapindus mukorossi</i>	Rittha	6				
18.	<i>Skimmia anquitilia</i>	Nayar, Narpati	4				
19.	<i>Solanum xanthocarpum</i>	Kantakari	4				
20.	<i>Swertia chirayita</i>	Chiretta	3				
21.	<i>Taxus wallichiana</i>	Lothsalla	2				
22.	<i>Terminalia bellirica</i>	Barro	2				
23.	<i>Urtica dioica</i>	Sinno	5				
24.	<i>Valeriana grandiflora</i>	Simme	4				
25.	<i>Zanthoxylum armatum</i>	Timur	3				
	Total		86				

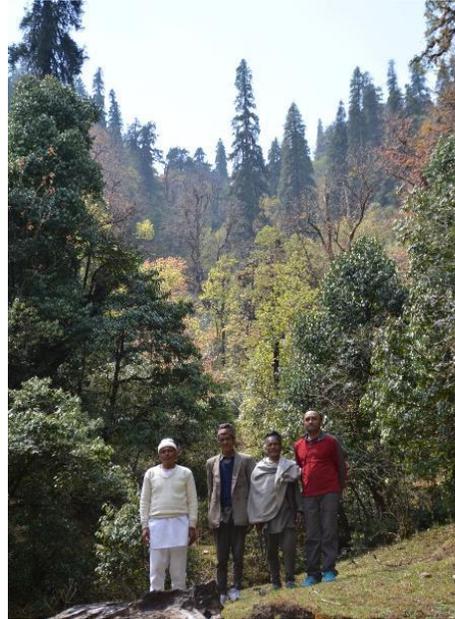
Participatory field visit with DFO Pravat Sapkota and his team, Baitadi



An important medicinal and ethnobotanical plant, *Phytolaca acinosa* (Jarkho) at Sigasdhar, Baitadi



Field work at Paharal Community forest (L), and Udayadev CF (R) Chaukham, Baitadi



Field work and quadrat sampling of *Paris polyphylla* (Satuwa) in Baitadi



Baitadi school program at Janapriya LSS, Kaksyali, Baitadi



School support program at Janapriya LSS, Kaksyali, Baitadi



Baitadi school program at Siddeswor SS, Hukkedanda, Baitadi



Baitadi school program at Siddeswor SS, Hukkedanda, Baitadi



Oroxylum indicum spotted at Dhungad, Baitadi



Fields at Kirkitte, Chaukham 4 – Baitadi were invaded by *Erigeron* species (an alien invasive plant species)



Darchula school program at Saraswati SS, Selichama, Darchula



Discussion with elder groups at Bhagawati, Darchula



Field work and rest in Darchula



Discussion and handing over literature and GPS to DFO, Darchula



Traditional healers describing the use of plants at Dhap, Darchula



Discussion with traditional healers at Khalanga, Darchula



Field work and sampling at Byans, Darchula



1. From discussion the following five species *Bergenia ciliata*, *Oroxylum indicum*, *Paris polyphylla*, *Valeriana wallichii* and *Zanthoxylum armatum* were in priority for conservation.
2. Updated list of distribution of *Paris polyphylla* in Nepal. Out of 75 districts, 35 districts have *Paris polyphylla* in the latest update.

