

Supplementary Materials

Table S1. List of prioritized species.

Scheme	Scientific Name	Family	Nepali Name
1.	<i>Aconitum heterophyllum</i>	Ranunculaceae	Atish
2.	<i>Aconitum</i>	Ranunculaceae	Bikha
3.	<i>Acorus calamus</i>	Acoraceae	Bojho
4.	<i>Asparagus racemosus</i>	Asparagaceae	Satawari
5.	<i>Azadirachta indica</i>	Meliaceae	Neem
6.	<i>Bergenia ciliata</i>	Saxifragaceae	Pakhanbhet
7.	<i>Cinnamomum glaucescens</i>	Lauraceae	Sugandha kokila
8.	<i>Cinnamomum tamala</i>	Lauraceae	Tejpat
9.	<i>Curculigo orchoides</i>	Hypoxidaceae	Kalo Musali
10.	<i>Dactylorhiza hatagirea</i>	Orchidaceae	Panch aaule
11.	<i>Dioscorea deltoidea</i>	Dioscoreaceae	Bhyakur
12.	<i>Fritillaria cirrohsa</i>	Liliaceae	Kakoli
13.	<i>Gaultheria fragrantissima</i>	Ericaceae	Dhasingare
14.	<i>Juglans regia</i>	Juglandaceae	Ookhar
15.	<i>Lichens</i> spp.	-	Jhyau
16.	<i>Morchella</i> spp.	Pezizaceae	Khoya Chyau/ Guchchi Chyau
17.	<i>Nardostachys jatamansi</i>	Caprifoliaceae	Jatamansi
18.	<i>Neopicrohiza scrophulariiflora</i>	Plantaginaceae	Kukti
19.	<i>Ophiocordyceps sinensis</i>	Clavicipitaceae	Yarsagumba
20.	<i>Paris polyphylla</i> Sm.	Melanthiaceae	Satuwa
21.	<i>Phyllanthus emblica</i>	Phyllanthaceae	Amala
22.	<i>Piper longum</i>	Piperaceae	Pipala
23.	<i>Rauvolfia serpentina</i>	Apocynaceae	Sarpagandha
24.	<i>Rheum australe</i>	Polygonaceae	Padamchal
25.	<i>Rubia manjith</i>	Rubiaceae	Majitho
26.	<i>Sapindus mukorossi</i>	Sapindaceae	Riththa
27.	<i>Sinopodophyllum hexandrum</i>	Berberidaceae	Laghupatra
28.	<i>Swertia chirayita</i>	Gentianaceae	Chiraito
29.	<i>Tagetes minuta</i>	Asteraceae	Jangali Sayapatri
30.	<i>Taxus wallichiana</i>	Taxaceae	Lautha Salla
31.	<i>Tinospora sinensis</i>	Menispermaceae	Gurjo
32.	<i>Valeriana jatamansii</i>	Caprifoliaceae	Sugandhawal
33.	<i>Zanthoxylum armatum</i>	Rutaceae	Timur
18.	<i>Neopicrohiza scrophulariiflora</i>	Plantaginaceae	Kukti
19.	<i>Ophiocordyceps sinensis</i>	Clavicipitaceae	Yarsagumba
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25.	<i>Rubia manjith</i>	Rubiaceae	Majitho
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29.	<i>Tagetes minuta</i>	Asteraceae	Jangali Sayapatri
30.	<i>Taxus wallichiana</i>	Taxaceae	Lautha Salla
31.	<i>Tinospora sinensis</i>	Menispermaceae	Gurjo
32.	<i>Valeriana jatamansii</i>	Caprifoliaceae	Sugandhawal
33.	<i>Zanthoxylum armatum</i>	Rutaceae	Timur

Table S2. The list of Medicinal Plants prioritized for agro-technology development are.

S. No.	Scientific Name	Family	Nepali Name
1.	<i>Curculigo orchoides</i>	Hypoxidaceae	Kalo Musali
2.	<i>Dactylorhiza hatagirea</i>	Orchidaceae	Panch aaule
3.	<i>Fritillaria cirrhosa</i>	Liliaceae	Kakoli
4.	<i>Morchella</i> spp.	Pezizaceae	Khoya Chyau/Guchchi Chyau
5.	<i>Nardostachys jatamansi</i>	Caprifoliaceae	Jatamansi
6.	<i>Neopicrorhiza scrophulariiflora</i>	Plantaginaceae	Kukti
7.	<i>Ophiocordyceps sinensis</i>	Clavicipitaceae	Yarsagumba
8.	<i>Paris polyphylla</i> Sm.	Melanthiaceae	Satuwa
9.	<i>Piper longum</i>	Piperaceae	Pipala
10.	<i>Rauvolfia serpentina</i>	Apocynaceae	Sarpagandha
11.	<i>Swertia chirayita</i>	Gentianaceae	Chiraito
12.	<i>Taxus wallichiana</i>	Taxaceae	Lautha Salla
13.	<i>Tinospora sinensis</i>	Menispermaceae	Gurjo

Table S3. Land system and their properties of Nepal.

Region	Land System	Land Form	Land Unit	Dominant Slopes
Tarai	1	Active alluvial plain (depositional)	1 a present river channel	-
			1 b sand and gravel bars	<1°
			1 c low terrace	<1°
			1 d higher terrace	<1°
	2	Recent alluvial plain “lower piedmont” (depositional and erosional)	2 a depressional	<1/2°
			2 b intermediate position; level	<1/2°
			2 c intermediate position, undulating	<1°
			2 d high position	<1°
	3	Alluvial fan apron complex “upper piedmont” (erosional)	3 a very gentle slopes	<1°
			3 b gentle slopes	1–5°
			3 c undulating	1–3°
			3 d highly dissected	0–20°
Siwalik region	4	Active and recent alluvial plains	4 a sand and gravel bars	<1°
			4 b low terrace	<1°
			4 c higher terrace undulating	<1°
	5	Fans, aprons and ancient river terraces (tars)	5 a very gentle slopes	<1°
			5 b gentle slopes	1–5°
			5 c undulating	1–5°
			5 d rolling	0–20°
	6	Depositional basin (Duns)	6 a depressional	<1/2°
			6 b non-dissected high position	<2°
			6 c gentle rolling	1–5°
			6 d highly dissected	0–30°
	7	Moderately to steeply sloping hilly and mountainous terrain		<20°
	8	Steeply to very steeply sloping hilly and mountainous terrain		>20°

Table S3. Cont.

Region	Land System	Land Form	Land Unit	Dominant Slopes
Middle mountain region	9	Alluvial plains and fans (depositional)	9 a river channel	<1°
			9 b alluvial plains	<1°
			9 c alluvial fans	1–5°
	10	Ancient lake and river terraces (Tars) (erosional)	10 a nondissected 10 b dissected	0–5° 0–5°
High mountain region	11	Moderately to steeply sloping mountainous terrain		<30°
	12	Steeply to very steeply sloping mountainous terrain		>30°
	13	Alluvial plains Fans	13 a active alluvial plain	<1°
			13 b recent alluvial plain	<2°
			13 c fans	1–10°
			13 d ancient alluvial terraces	<5°
High Himalayan region	14	Past glaciated mountainous terrain below upper altitudinal limit of Arable agriculture	14 a moderate to steep slopes	<30°
			14 b steep to very steep slope	>30°
	15	Past glaciated mountainous terrain above upper altitudinal limit of arable agriculture	15 a moderate to steep slopes	<40°
			15 b very steep slopes	>40°
High Himalayan region	16	Alluvial colluvial and marainal depositional surfaces	16 a glacioalluvial plains	<20°
			16 b morainal deposits	<40°
			16 c alluvial colluvial fans	2–15°
			16 d colluvial slopes (talus)	10–35°
	17	Steeply to very steeply sloping mountainous terrain	17 a shallow till or colluvium over bedrock	<40°
			17 b rock headwalls	>40°

Table S4. The fundamental scale of absolute numbers.

Intensity of Importance	Definition	Explanation
1	Equal Importance	Two activities contribute equally to the objective
2	Weak or slight	
3	Moderate importance	Experience and judgment slightly favor one activity over another
4	Moderate plus	
5	Strong importance	Experience and judgment strongly favor one activity over another
6	Strong plus	
7	Very strong or demonstrated importance	An activity is favored very strongly over another; its dominance demonstrated in practice
8	Very, very strong	
9	Extreme importance	The evidence favoring one activity over another is of the highest possible order of affirmation
Reciprocals of above	If activity i has one of the above non-zero numbers assigned to it when compared with activity j, then j has the reciprocal value when compared with i	
1.1–1.9	If the activities are very close	May be difficult to assign the best value but when compared with other contrasting activities the size of the small numbers would not be too noticeable, yet they can still indicate the relative importance of the activities.