**Supplementary files**

Research instruments:

1. GPS
2. Clinometer-compass
3. pH meter (model DM 15)
4. Aluminium tag, ruler, measuring tape.
5. Vernier Calliper
6. Glycero acetocarmine (1:1)
7. Triphenyl Tetrazolium chloride (TTC).

Table1: Physical parameters of sampling sites of *Meconopsis napaulensis*.

|  |  |  |  |
| --- | --- | --- | --- |
|  **Elevation level (population)**  | **Elevation (m asl)**  | **Aspect (0)**  | **Habitat type**  |
| Lower (Lauribina danda)  | 4117 - 4125  | SW  | *Rhododendron lepidotum* dominated open shrub land.  |
| Mid (Lauribina pass)  | 4200 - 4255  | SW  | Open rocky shrub land dominated by *Berberis erythroclada* & *Potentilla coriandrifolia.*  |
| Higher (Gosainkunda)  | 4396 - 4417  | SW  | Rocky grassland  |

**APPENDIX: 1**

Distribution of endemic species of genus *Meconopsi*s in Nepal.


**Species are indicated by alphabet:**

A= *M. napaulensis,* B= *M. ganeshensis ,* C= *M. autumnalis ,* D= *M. regia,* E= *M. simikotensis,*

F= *M. chankheliensis,* G*= M. staintonii ,*H= *M. gracilipe,* I= *M. taylorii,* J= *M. manasluensis ,* K=*M. dhwojii.*