

**Utilization of Plant Resources in Suda and Daijee Villages of
Kanchanpur District, Far Western Nepal**

**A Dissertation submitted for the partial fulfillment of the
Requirements for the M.Sc. in Botany**

By

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DISCLAIMER

I hereby declare that this study entitled “*Utilization of Plant Resources in Suda and Daijee Villages of Kanchanpur district, Far Western Nepal*” is based on my original research work. Related works on the topic, by other researchers, have been duly acknowledged. I owe all the liabilities relating to accuracy and authenticity of the data or any other information included in this thesis.

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Gunanand Pant

CERTIFICATE

This is to certify that Mr. Gunanand Pant has carried out the dissertation work submitted for the partial fulfillment of M.Sc. degree in Botany, entitled "**Utilization of Plant Resources in Suda and Daijee Villages of Kanchanpur District, Far Western Nepal.**" has been carried out under my supervision. To the best of my knowledge, this entire work is based on the results of his work and results have not been used or submitted in any other academic degrees. I, therefore, recommended this dissertation to be accepted for partial fulfillment of Masters Degree in Botany from Tribhuvan University.

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LETTER OF APPORVAL

The dissertation paper submitted by Mr. Gunanand Pant entitled “**Utilization of Plant Resources in Suda and Daijee Villages of Kanchanpur District, Far Western Nepal**” has been accepted for a partial fulfillment of M.Sc. in Botany.

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ABSTRACT

The indigenous knowledge on plant resources is gaining recognition worldwide because of its support in the discovery of medicine and its importance for proper conservation and management of biodiversity. The present study aims to explore and documents the plant resources used by the different communities of Suda and Daijee VDC of the Kanchanpur district. A total of 154 plant species belonging to 58 families and 133 genera have been identified and documented. Most of them have medicinal properties in their bark, root, and fruits. A large number of these identified species are used for gastro-intestinal problems, rheumatism, chest infection, cut and wound and in fever. Medicine from the plant parts is prepared in the form of juice, paste and powder usually prepared from the elder female in the family. Elder person and traditional healers of the areas possess vast knowledge on ethano-medicine practices along with various rituals in comparison of the young generation. The knowledge transformation system is quite restricted within family. The mostly exploited plant species like *Piper longum*, *Emblica officinalis*, *Asparagus racemosus*, *Terminellia chebula*, *Terminalia bellerica*, *Acorus calamus*, *Azadirachta indica*, *Cordia alliodora*, *Rauwolfia serpentina*, *Acacia catechu*, *Cinnamomum tamala*, *Zingiber officinale*, *Withania somnifera* and *Pterocarpus marsipium* are under threat of extinction due to growing human pressure as well as habitat degradation impacted by anthropogenic activities such as grazing, expansion of agriculture land, forest fire etc.

Keywords: Medicinal plants, community forest, ethano-medicine, Suda and Daijee, Kanchanpur, district

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ACRONYMS

ASL	Above Sea Level
BP	Biodiversity profile
BZ	Buffer Zone
CBO	Community Based Organization
CBS	Central Bureau of Statistics
CF	Community Forests`
CFUG	Community Forestry User Group
DDC	District Development Committee
DFO	District Forest Officer
DNPWC	Department of National Park and Wildlife Conservation
FD	Forest Department
FOP	Forest Operational Plan
GO	Government Organization
ha	Hectar
HH(s)	House Holds
INGO	International Non-Governmental Organization
KIS	Key Information Survey
km.	Kilometer
MAP	Medicinal and Aromatic Plants
NBIP	National Biodiversity Inventory Profile
NBS	Nepal Biodiversity Strategy
NGO	Non-Governmental Organization
NTFPs	Non Timber Forest Products
PRA	Participatory Rural Appraisal
SWR	Suklaphanta Wildlife Reserve
T.U.	Tribhuvan University
U.P	Uttar Pradseh
VDC	Village Development Committee