

Study to Document Diversity of Grasses in Grasslands in Goa

Final Report

Submitted to

**Deputy Conservator of Forests
Research & Utilization Division
Government of Goa**

Submitted by



ICLEI South Asia

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Objectives

The present study focussed on documenting the grass species present in the grasslands of Goa. The overall objective of the assignment is **to document diversity of grasses in grasslands in Goa**. The research questions are:

- a. What are the grass species that are present in the grasslands in Goa?
- b. Which of the grass species present in the grasslands in Goa are palatable and which are not?
- c. Which of the grass species present in the grasslands in Goa are native and which are not?

Methodology

As part of the project activities, the following have been conducted

- 1) Methodology finalisation: The main study sites were finalised through a joint discussion with the Forest Department of Goa. The sites that will be sampled are Succoro, Pilerne, Sosogad, Collem, Nandran, Verna, Pale, Ram and Ravon Dongor, Surla, Quitol. The sites have been marked on the GIS platform (refer Figure 1). The area was then gridded. Within the gridded areas, quadrats of 1m*1m were laid. Stratified random sampling has been followed while laying the quadrats. The total number of grass species and the number of individuals of each species in each quadrat was recorded. Digital and physical herbarium of all the grass species is being developed. The GPS coordinates of each quadrat has also been recorded.
- 2) Quadrat studies: Quadrat studies to document the grass species were conducted in all the project sites and the data has been collated and analysed. The specimens have been identified with support from Kolhapur University and Botanical Survey of India. For each site, species diversity, Bray Curtis analysis has been carried out. Analysis in terms of palatability and nativity of the grass species has also been carried out for each site.

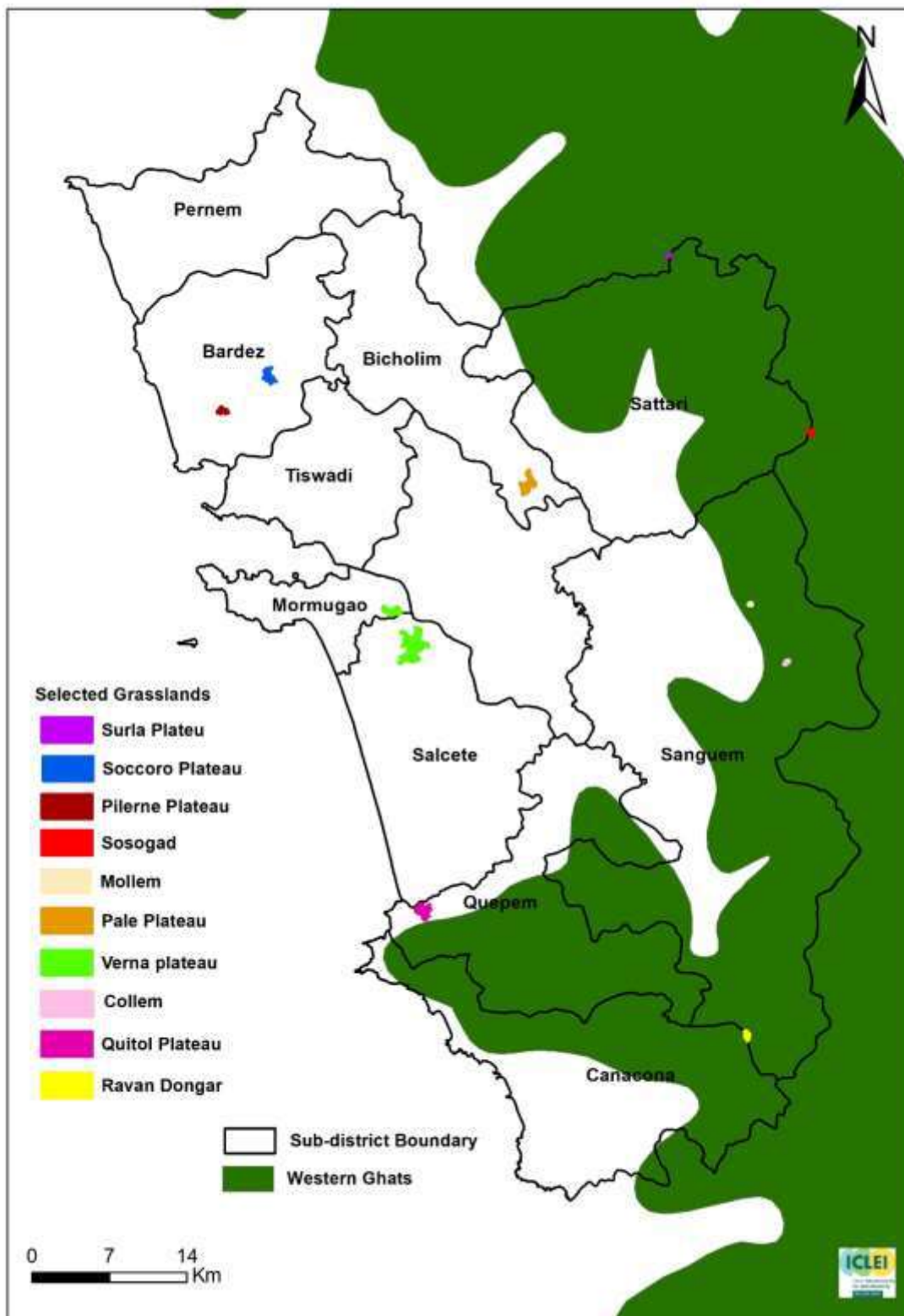


Figure 1: Map depicting the location of the selected grasslands

Results

Objective 1: Grass species present at each site

Through the quadrat studies the herbaceous species present at each site was documented. Table 1 provides an overview of the same.

Table 1: Herbaceous species present at each site

| Name of Species | Quitol | Ravan Dongar | Sural | Pilerne | Pale | Mollem | Sosogad | Succoro | Verna |
|----------------------------------|--------|--------------|-------|---------|------|--------|---------|---------|-------|
| <i>Eragrostis uniloides</i> | | | | | | | | | |
| <i>Ischaemum semisagittatum</i> | | | | | | | | | |
| <i>Ischaemum indicum</i> | | | | | | | | | |
| <i>Fimbristylis ferruginea</i> | | | | | | | | | |
| <i>Geissaspis cristata</i> | | | | | | | | | |
| <i>Neanotia foetida</i> | | | | | | | | | |
| <i>Ischaemum manilaliana</i> | | | | | | | | | |
| <i>Fimbristylis schoenoides</i> | | | | | | | | | |
| <i>Isachne globosa</i> | | | | | | | | | |
| <i>Paspalum conjugatum</i> | | | | | | | | | |
| <i>Cyperus rotundus</i> | | | | | | | | | |
| <i>Dactyloctenium aegypticum</i> | | | | | | | | | |
| <i>Cyperus iria</i> | | | | | | | | | |
| <i>Smithia sensitiva</i> | | | | | | | | | |
| <i>Alternanthera pungens</i> | | | | | | | | | |
| <i>Setaria pallidifusca</i> | | | | | | | | | |
| <i>Blumea obliqua</i> | | | | | | | | | |
| <i>Rhynchospora wightiana</i> | | | | | | | | | |
| <i>Indigofera tinctoria</i> | | | | | | | | | |
| <i>Bonnaya antipoda</i> | | | | | | | | | |
| <i>Bhidea burnsiana</i> | | | | | | | | | |
| <i>Fimbristylis miliacea</i> | | | | | | | | | |
| <i>Ischaemum molle</i> | | | | | | | | | |
| <i>Spermacoce ocymoides</i> | | | | | | | | | |
| <i>Spermacoce articularis</i> | | | | | | | | | |
| <i>Eriocaulon goaense</i> | | | | | | | | | |
| <i>Zornia gibbosa</i> | | | | | | | | | |
| <i>Ericostema verticellatum</i> | | | | | | | | | |
| <i>Chamaecrista mimosoides</i> | | | | | | | | | |
| <i>Panicum notatum</i> | | | | | | | | | |
| <i>Glyphochloa divergens</i> | | | | | | | | | |
| <i>Murdannia edulis</i> | | | | | | | | | |

| Name of Species | Quitol | Ravan Dongar | Sural | Pilerne | Pale | Mollem | Sosogad | Succoro | Verna |
|---------------------------------|--------|--------------|-------|---------|------|--------|---------|---------|-------|
| <i>Ramphicarpa fistulosa</i> | | | | | | | | | |
| <i>Rotala indica</i> | | | | | | | | | |
| <i>Celocia argentea</i> | | | | | | | | | |
| <i>Urena lobata</i> | | | | | | | | | |
| <i>Rungia apiculata</i> | | | | | | | | | |
| <i>Ceropegia attenuata</i> | | | | | | | | | |
| <i>Panicum psilopodium</i> | | | | | | | | | |
| <i>Impatiens balsamina</i> | | | | | | | | | |
| <i>Neanotis subtilis</i> | | | | | | | | | |
| <i>Rostellularia procumbens</i> | | | | | | | | | |
| <i>Arthraxon lancifolius</i> | | | | | | | | | |
| <i>Portulaca grandiflora</i> | | | | | | | | | |
| <i>Selaginella kraussiana</i> | | | | | | | | | |
| <i>Utricularia malabarica</i> | | | | | | | | | |
| <i>Paspalum canare</i> | | | | | | | | | |
| <i>Ammania gracilis</i> | | | | | | | | | |
| <i>Apluda mutica</i> | | | | | | | | | |
| <i>Lepidagathis fasciculata</i> | | | | | | | | | |
| <i>Parasophubia hofmannii</i> | | | | | | | | | |
| <i>Exacum pumilum</i> | | | | | | | | | |
| <i>Habenaria heyneana</i> | | | | | | | | | |
| <i>Dichaschistia trilobata</i> | | | | | | | | | |
| <i>Leucas aspera</i> | | | | | | | | | |
| <i>Paspalum flavidium</i> | | | | | | | | | |
| <i>Arundinella leptochloa</i> | | | | | | | | | |
| <i>Eulalia trispicata</i> | | | | | | | | | |
| <i>Themeda tremula</i> | | | | | | | | | |
| <i>Sopubia delphinifolia</i> | | | | | | | | | |
| <i>Polygala erecta</i> | | | | | | | | | |
| <i>Jansenella griffithiana</i> | | | | | | | | | |
| <i>Arundinella pumila</i> | | | | | | | | | |
| <i>Eriocaulon eurypeplon</i> | | | | | | | | | |
| <i>Danthonidium gammie</i> | | | | | | | | | |
| <i>Eragrostis uniloides</i> | | | | | | | | | |
| <i>Eriocaulon stellulatum</i> | | | | | | | | | |
| <i>Eriocaulon tuberiferum</i> | | | | | | | | | |
| <i>Hedyotis corymbosa</i> | | | | | | | | | |
| <i>Ischaemum santapau</i> | | | | | | | | | |
| <i>Kyllinga nemoralis</i> | | | | | | | | | |
| <i>Marsilea quadrifida</i> | | | | | | | | | |
| <i>Murdannia sp.</i> | | | | | | | | | |

| Name of Species | Quitol | Ravan Dongar | Sural | Pilerne | Pale | Mollem | Sosogad | Succoro | Verna |
|--------------------------------|--------|--------------|-------|---------|------|--------|---------|---------|-------|
| <i>Panicum auritum</i> | | | | | | | | | |
| <i>Pogostemon deccanensis</i> | | | | | | | | | |
| <i>Ramphicarpa longiflora</i> | | | | | | | | | |
| <i>Sacciolepis indica</i> | | | | | | | | | |
| <i>Utricularia reticulata</i> | | | | | | | | | |
| <i>Cajanus cajan</i> | | | | | | | | | |
| <i>Dimeria veldkampii</i> | | | | | | | | | |
| <i>Heteropogon controtus</i> | | | | | | | | | |
| <i>Ischaemum janarthanamii</i> | | | | | | | | | |
| <i>Lepidagathis cuspidata</i> | | | | | | | | | |
| <i>Salomonina ciliata</i> | | | | | | | | | |
| <i>Arundinella metzii</i> | | | | | | | | | |
| <i>Arundinella tuberculota</i> | | | | | | | | | |
| <i>Canscora shrirangiana</i> | | | | | | | | | |
| <i>Cassia pumila</i> | | | | | | | | | |
| <i>Chrysopogon aciculatus</i> | | | | | | | | | |
| <i>Cyperus squarrosus</i> | | | | | | | | | |
| <i>Dimeria woodrowi</i> | | | | | | | | | |
| <i>Drosera indica</i> | | | | | | | | | |
| <i>Ischaemum sagittatum</i> | | | | | | | | | |
| <i>Neoanotis rheedei</i> | | | | | | | | | |
| <i>Phyllanthus niruri</i> | | | | | | | | | |
| <i>Seasamum indicum</i> | | | | | | | | | |
| <i>Ophiurus bombaiensis</i> | | | | | | | | | |
| <i>Justicia latifolia</i> | | | | | | | | | |
| <i>Alysicarpus naikianus</i> | | | | | | | | | |
| <i>Alysicarpus vaginalis</i> | | | | | | | | | |
| <i>Atylosia scarabaeoides</i> | | | | | | | | | |
| <i>Bonnaya teniifolia</i> | | | | | | | | | |
| <i>Cyperus substramineus</i> | | | | | | | | | |
| <i>Cyperus tuberosus</i> | | | | | | | | | |
| <i>Euphorbia konkanensis</i> | | | | | | | | | |
| <i>Geissaspis tenella</i> | | | | | | | | | |
| <i>Isachne gracilis</i> | | | | | | | | | |
| <i>Lindernia ciliata</i> | | | | | | | | | |
| <i>Murdannia semiteres</i> | | | | | | | | | |
| <i>Pennisetum pedicellatum</i> | | | | | | | | | |
| <i>Smithia conferta</i> | | | | | | | | | |
| <i>Tridax procumbens</i> | | | | | | | | | |
| <i>Xyris indica</i> | | | | | | | | | |
| <i>Cynodon dactylon</i> | | | | | | | | | |

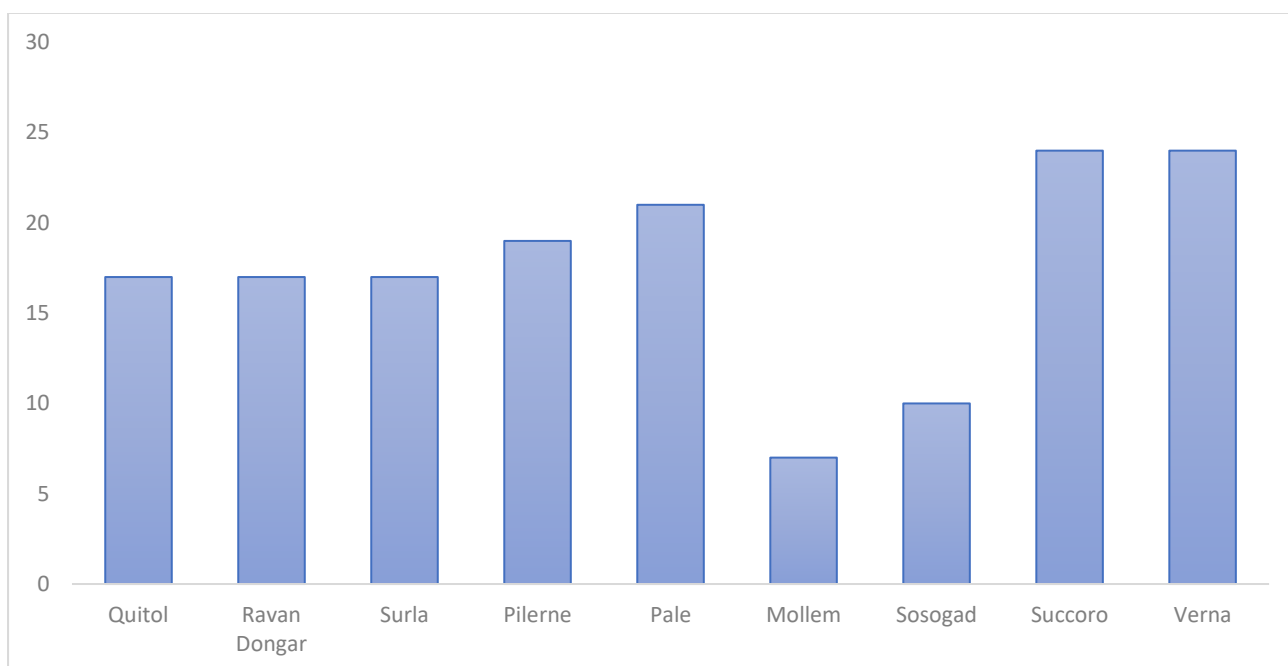
| Name of Species | Quitol | Ravan Dongar | Sural | Pilerne | Pale | Mollem | Sosogad | Succoro | Verna |
|-----------------------------|--------|--------------|-------|---------|------|--------|---------|---------|-------|
| <i>Justicia wynaadensis</i> | | | | | | | | | |
| <i>Sesamum radiatum</i> | | | | | | | | | |

The grass species recorded from each site is summarised in Table 2.

Table 2: Grass species recorded from each site

| Name of Species | Quitol | Ravan Dongar | Sural | Pilerne | Pale | Mollem | Sosogad | Succoro | Verna |
|----------------------------------|--------|--------------|-------|---------|------|--------|---------|---------|-------|
| <i>Eragrostis uniloides</i> | | | | | | | | | |
| <i>Ischaemum semisagittatum</i> | | | | | | | | | |
| <i>Ischaemum indicum</i> | | | | | | | | | |
| <i>Fimbristylis ferruginea</i> | | | | | | | | | |
| <i>Ischaemum manilaliana</i> | | | | | | | | | |
| <i>Fimbristylis schoenoides</i> | | | | | | | | | |
| <i>Isachne globosa</i> | | | | | | | | | |
| <i>Paspalum conjugatum</i> | | | | | | | | | |
| <i>Cyperus rotundus</i> | | | | | | | | | |
| <i>Dactyloctenium aegypticum</i> | | | | | | | | | |
| <i>Cyperus iria</i> | | | | | | | | | |
| <i>Setaria pallidifusca</i> | | | | | | | | | |
| <i>Rhynchospora wightiana</i> | | | | | | | | | |
| <i>Fimbristylis miliacea</i> | | | | | | | | | |
| <i>Ischaemum molle</i> | | | | | | | | | |
| <i>Panicum notatum</i> | | | | | | | | | |
| <i>Glyphochloa divergens</i> | | | | | | | | | |
| <i>Panicum psilopodium</i> | | | | | | | | | |
| <i>Arthraxon lancifolius</i> | | | | | | | | | |
| <i>Paspalum canare</i> | | | | | | | | | |
| <i>Apluda mutica</i> | | | | | | | | | |
| <i>Paspalum flavidum</i> | | | | | | | | | |
| <i>Arundinella leptochloa</i> | | | | | | | | | |
| <i>Eulalia trispicata</i> | | | | | | | | | |
| <i>Themeda tremula</i> | | | | | | | | | |
| <i>Jansenella griffithiana</i> | | | | | | | | | |
| <i>Arundinella pumila</i> | | | | | | | | | |
| <i>Danthonidium gammie</i> | | | | | | | | | |
| <i>Eragrostis uniloides</i> | | | | | | | | | |
| <i>Ischaemum santapau</i> | | | | | | | | | |
| <i>Kyllinga nemoralis</i> | | | | | | | | | |
| <i>Panicum auritum</i> | | | | | | | | | |
| <i>Sacciolepis indica</i> | | | | | | | | | |

| Name of Species | Quitol | Ravan Dongar | Sural | Pilerne | Pale | Mollem | Sosogad | Succoro | Verna |
|--------------------------------|--------|--------------|-------|---------|------|--------|---------|---------|-------|
| <i>Dimeria veldkampii</i> | | | | | | | | | |
| <i>Heteropogon controtus</i> | | | | | | | | | |
| <i>Ischaemum janarthanamii</i> | | | | | | | | | |
| <i>Arundinella metzii</i> | | | | | | | | | |
| <i>Arundinella tuberculota</i> | | | | | | | | | |
| <i>Chrysopogon aciculatus</i> | | | | | | | | | |
| <i>Cyperus squarrosus</i> | | | | | | | | | |
| <i>Dimeria woodrowi</i> | | | | | | | | | |
| <i>Ischaemum sagittatum</i> | | | | | | | | | |
| <i>Ophiurus bombaiensis</i> | | | | | | | | | |
| <i>Cyperus substramineus</i> | | | | | | | | | |
| <i>Cyperus tuberosus</i> | | | | | | | | | |
| <i>Isachne gracilis</i> | | | | | | | | | |
| <i>Pennisetum pedicellatum</i> | | | | | | | | | |
| <i>Cynodon dactylon</i> | | | | | | | | | |



Quitol

This grassland does not fall under a protected area. A total of 38 species of herbs, belonging to 16 families have been recorded from Quitol (Figure 2). Out of the 38 species, 18 species are grasses. Poaceae members dominate over Cyperaceae members. (Figure 3). Out of these 38 species, that have been recorded, 21 fall under the IUCN category of Not Evaluated, 2 fall

under Vulnerable category and 15 are of Least Concern (Figure 4). Annexure 1 provides the complete list of species.

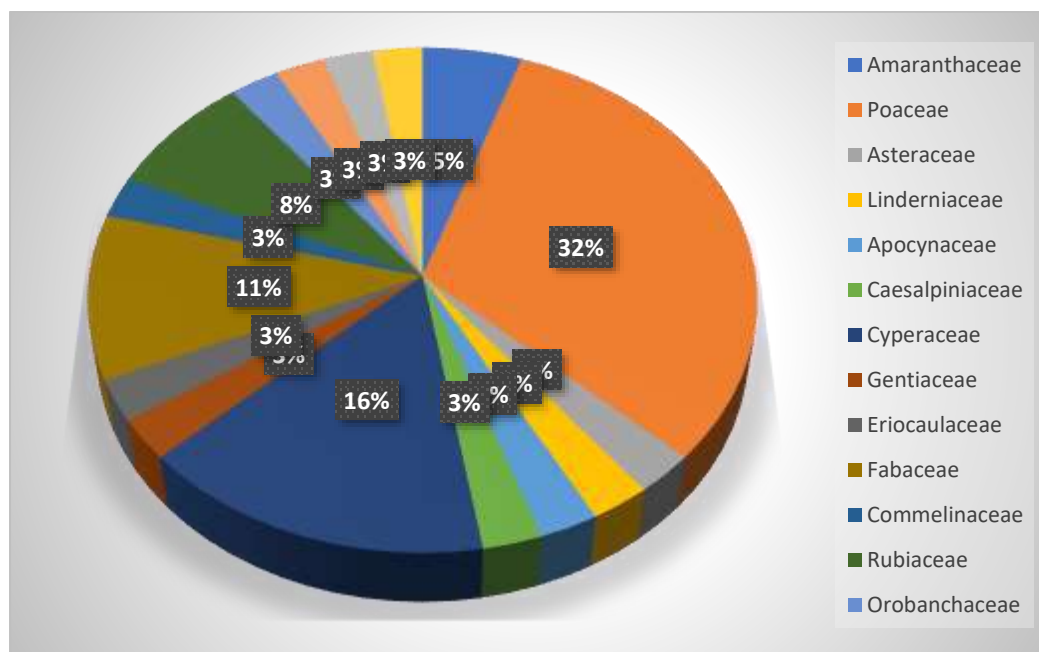


Figure 2: Overview of plant families and representatives recorded from Quito

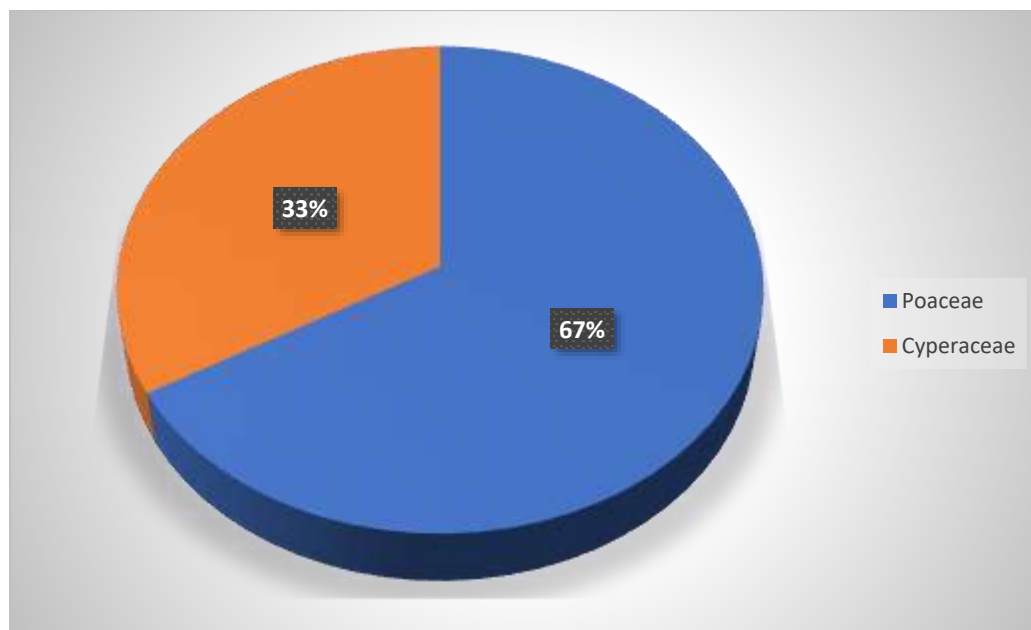


Figure 3: Proportion of representatives of Cyperaceae and Poaceae recorded from Quito

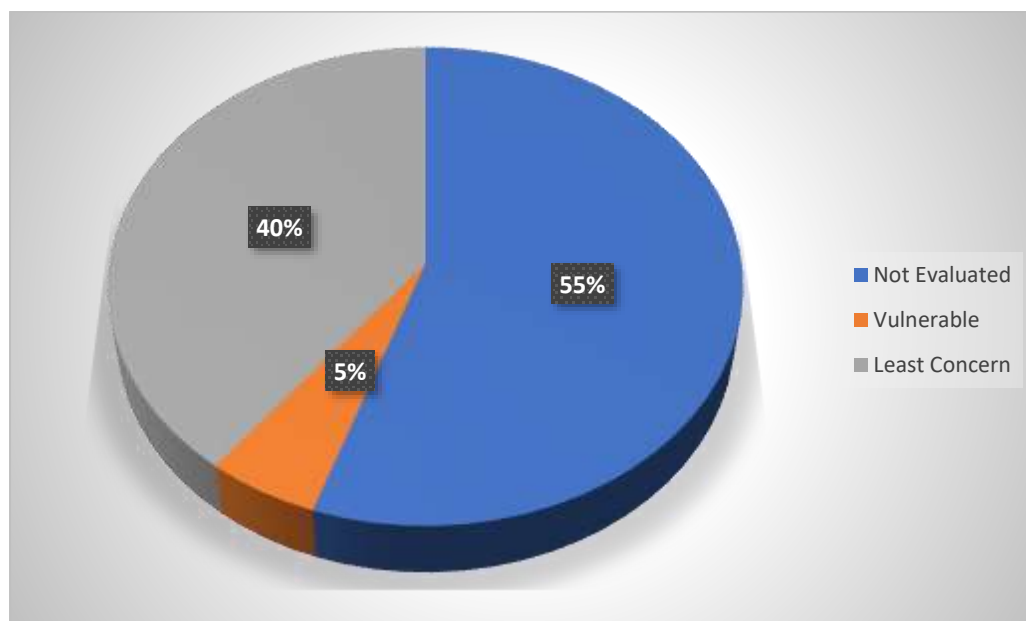


Figure 4: Distribution of herbaceous species recorded from Quito, based on IUCN classification

Ravan Dongar

This grassland falls under a protected area. A total of 38 species of herbs, belonging to 19 families have been recorded from Ravan Dongar (Figure 5). Out of the 38 species, 17 species are grasses. Poaceae members dominate over Cyperaceae members. (Figure 6). Out of these 38 species, that have been recorded, 27 fall under the IUCN category of Not Evaluated, and 11 are of Least Concern (Figure 7). Annexure 1 provides the complete list of species.

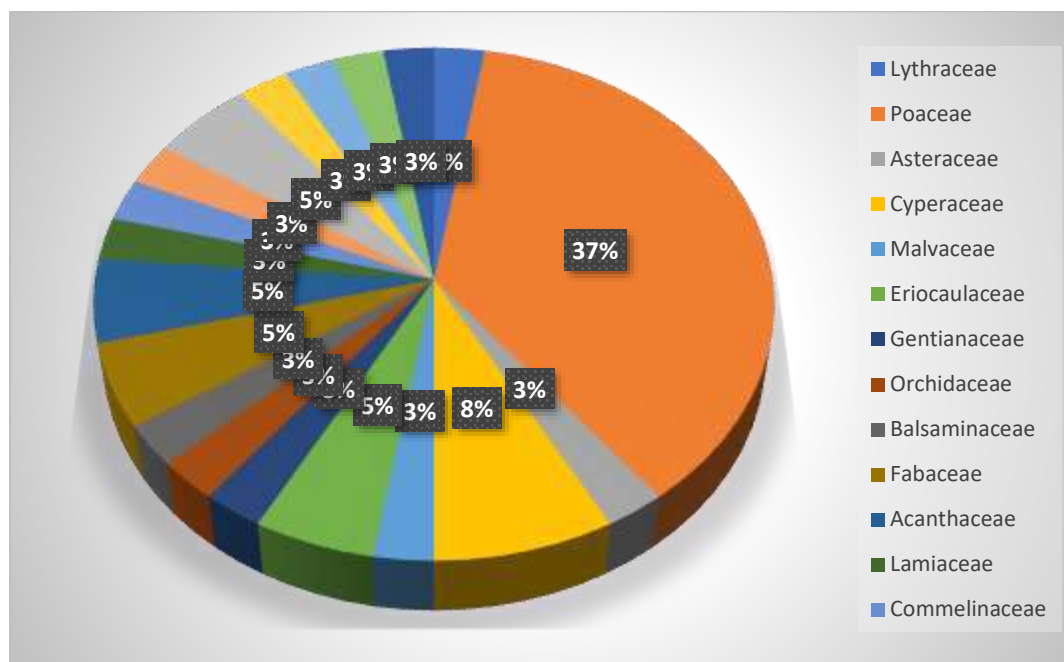


Figure 5: Overview of plant families and representatives recorded from Ravan Dongar

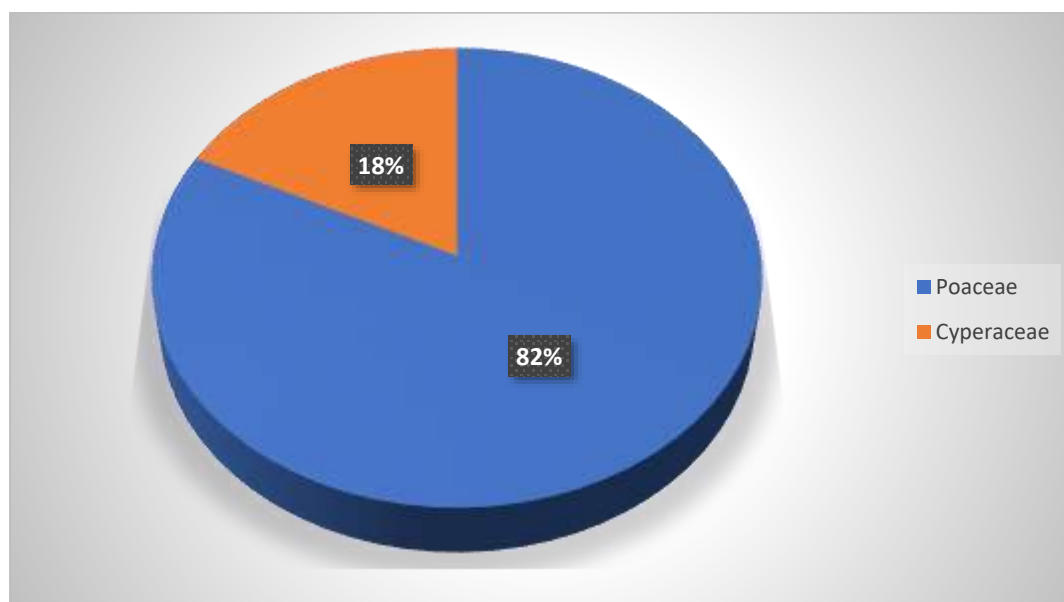


Figure 6: Proportion of representatives of Cyperaceae and Poaceae recorded from Ravan Dongar

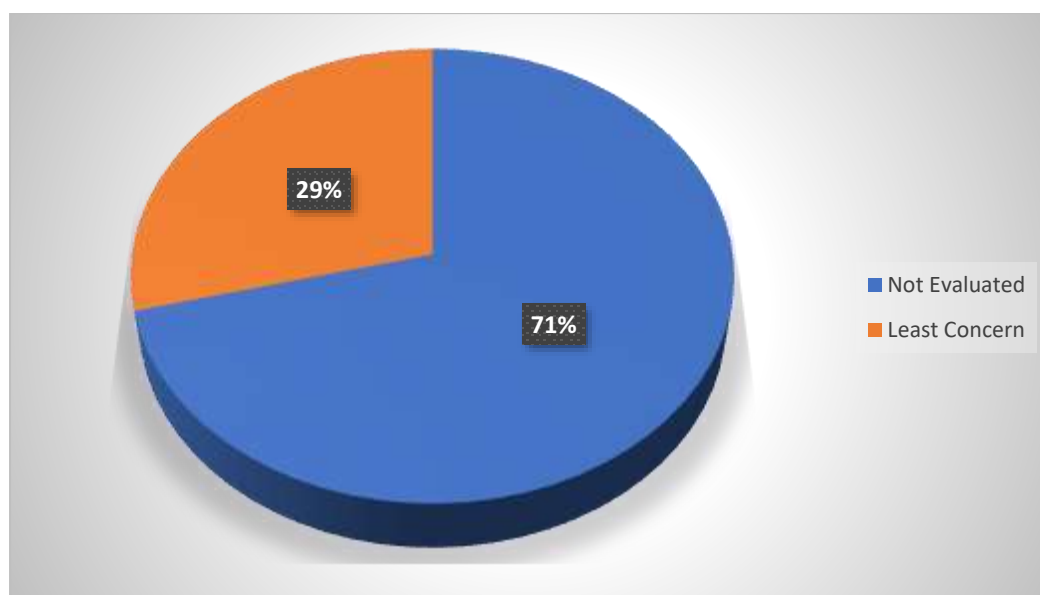


Figure 7: Distribution of herbaceous species recorded from Ravan Dongar, based on IUCN classification

Surla

This grassland falls under a protected area. A total of 34 species of herbs, belonging to 15 families have been recorded from Surla (Figure 8). Out of the 34 species, 17 species are grasses. Poaceae members dominate over Cyperaceae members. (Figure 9). Out of these 34 species, that have been recorded, 8 fall under the IUCN category of Not Evaluated, 1 falls under the Vulnerable category and 15 are of Least Concern (Figure 10). Annexure 1 provides the complete list of species.

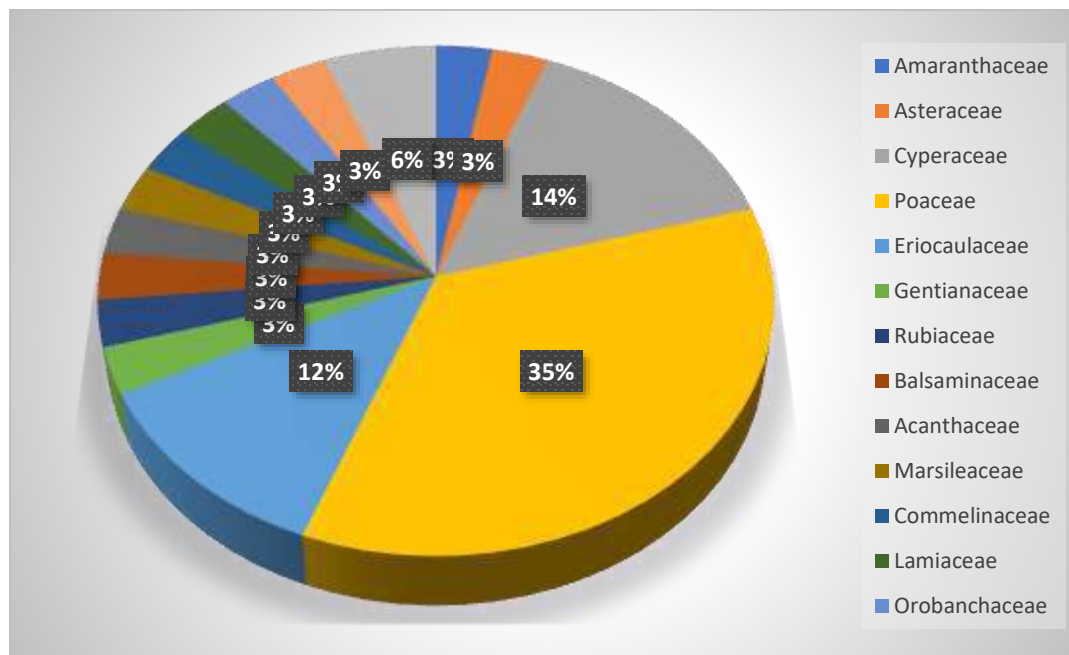


Figure 8: Overview of plant families and representatives recorded from Surla

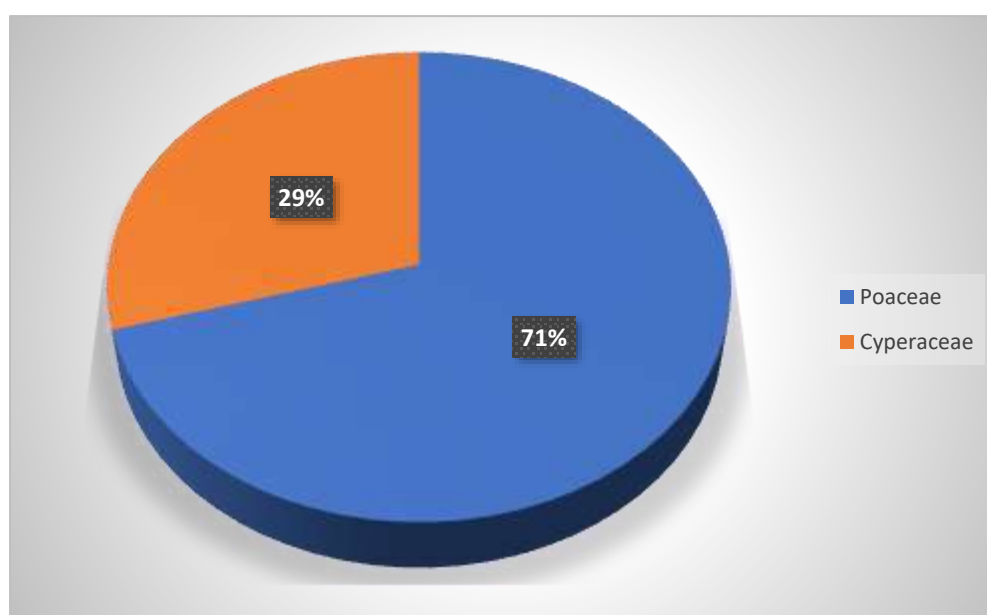


Figure 9: Proportion of representatives of Cyperaceae and Poaceae recorded from Surla

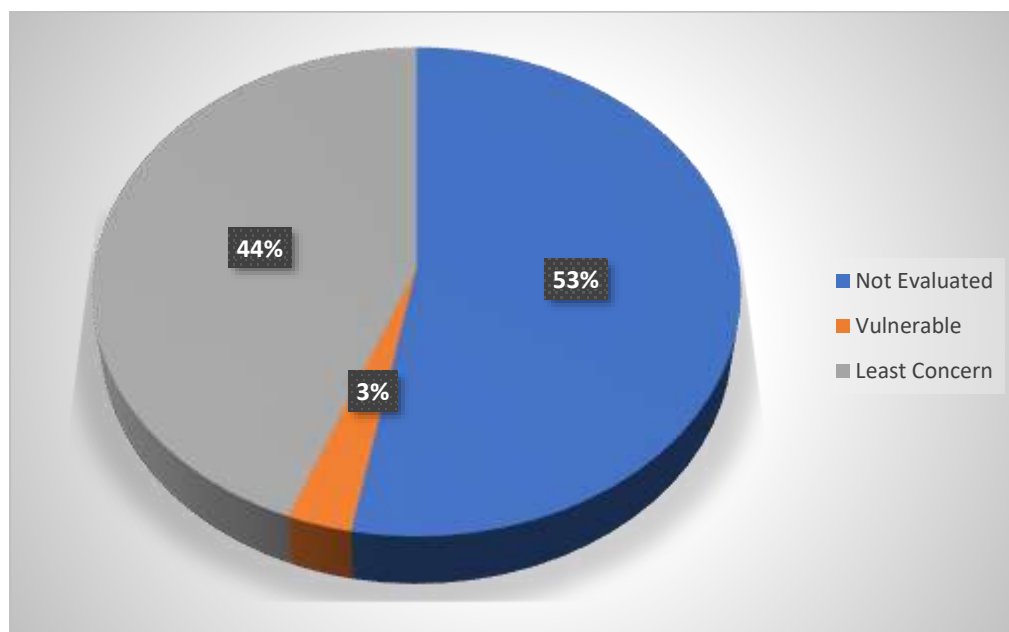


Figure 10: Distribution of herbaceous species recorded from Surla, based on IUCN classification

Pilerne

This grassland does not fall under a protected area. A total of 35 species of herbs, belonging to 13 families have been recorded from Pilerne (Figure 11). Out of the 35 species, 20 species are grasses. Poaceae members dominate over Cyperaceae members. (Figure 12). Out of these 35 species, that have been recorded, 20 fall under the IUCN category of Not Evaluated, 2 fall under the Vulnerable category and 13 are of Least Concern (Figure 13). Annexure 1 provides the complete list of species.

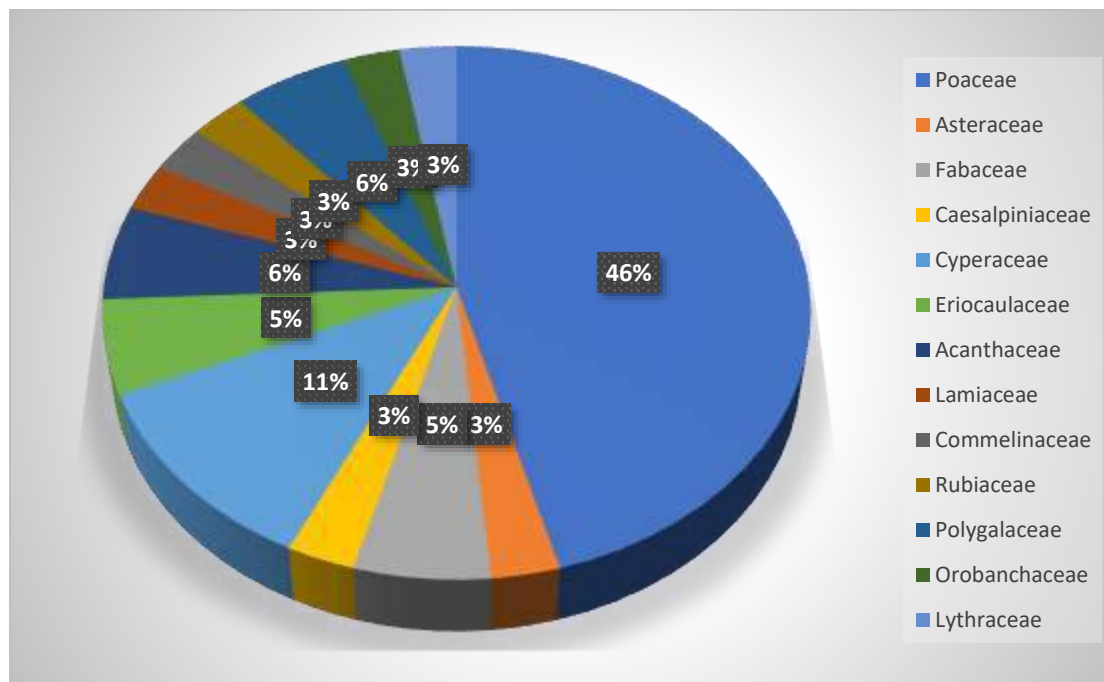


Figure 11: Overview of plant families and representatives recorded from Pilerne

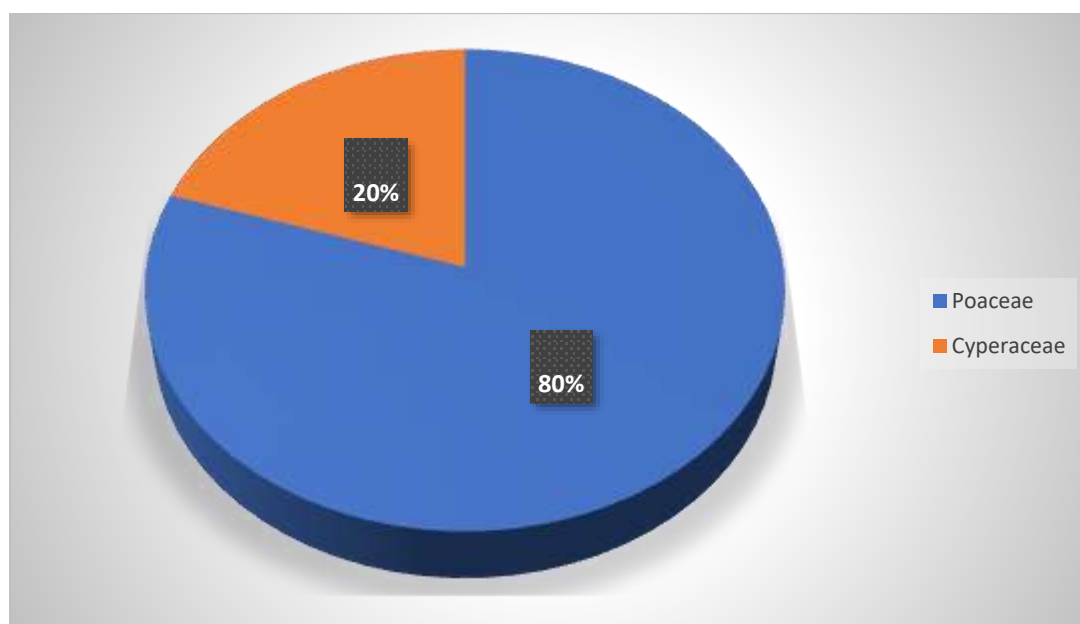


Figure 12: Proportion of representatives of Cyperaceae and Poaceae recorded from Pilerne

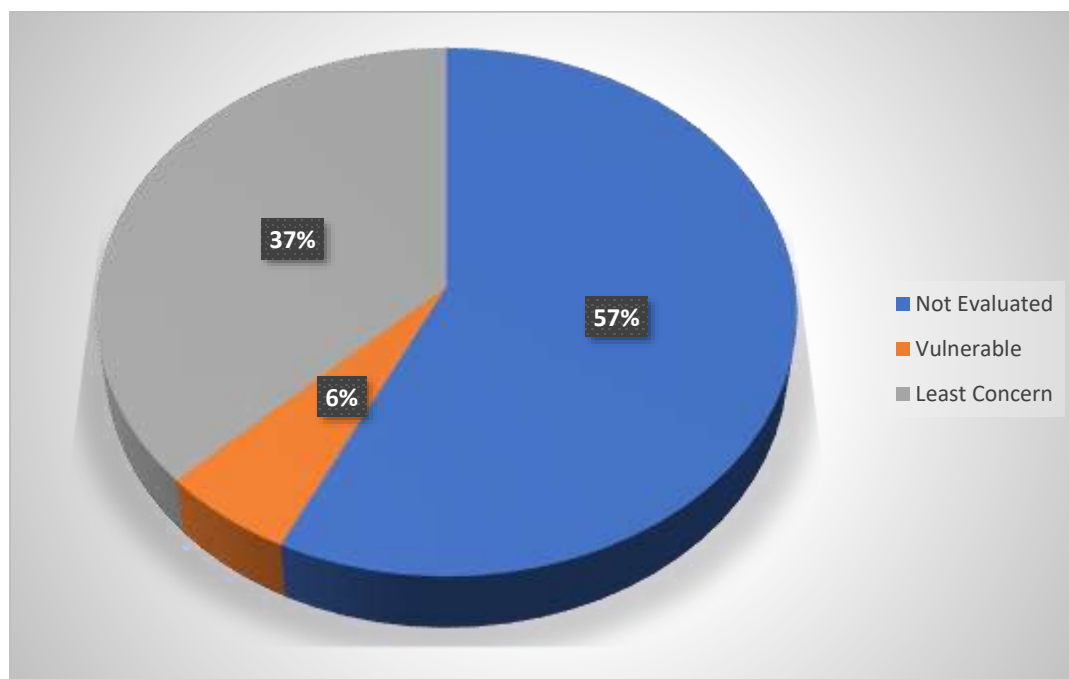


Figure 13: Distribution of herbaceous species recorded from Pilerne, based on IUCN classification

Pale

This grassland does not fall under a protected area. A total of 41 species of herbs, belonging to 18 families have been recorded from Pale (Figure 14). Out of the 41 species, 21 species are grasses. Poaceae members dominate over Cyperaceae members. (Figure 15). Out of these 41 species, that have been recorded, 29 fall under the IUCN category of Not Evaluated, 1 falls under the Vulnerable category, 10 are of Least Concern and 1 falls under the Critically Endangered (Figure 16). Annexure 1 provides the complete list of species.

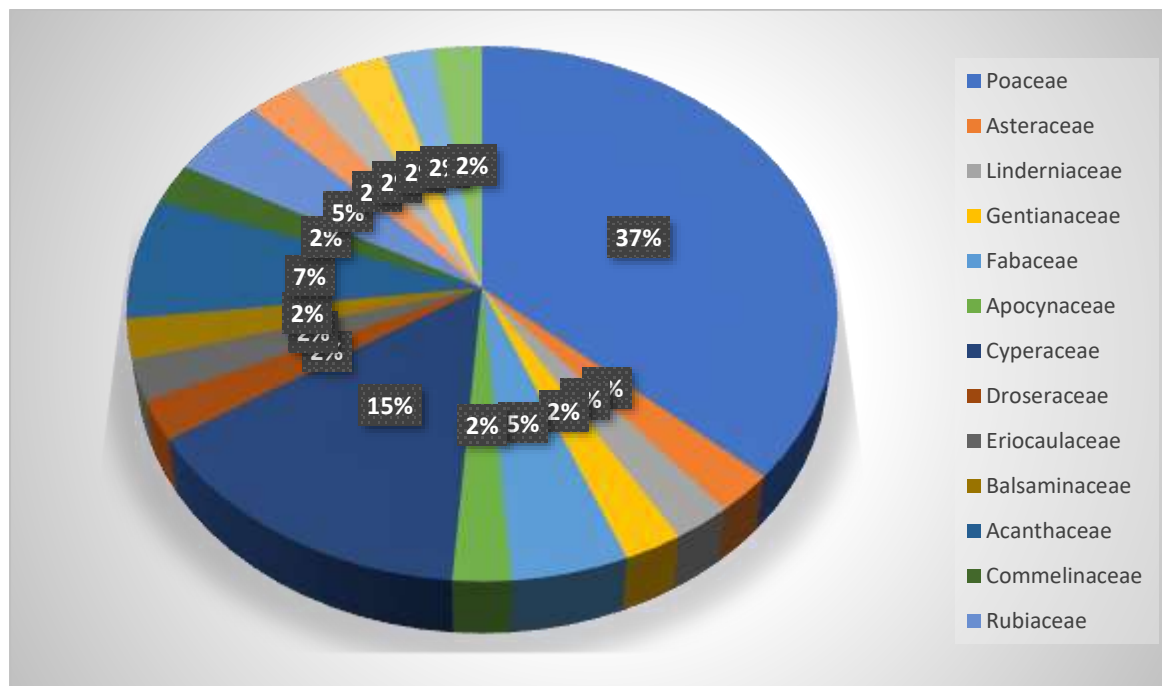


Figure 14: Overview of plant families and representatives recorded from Pale

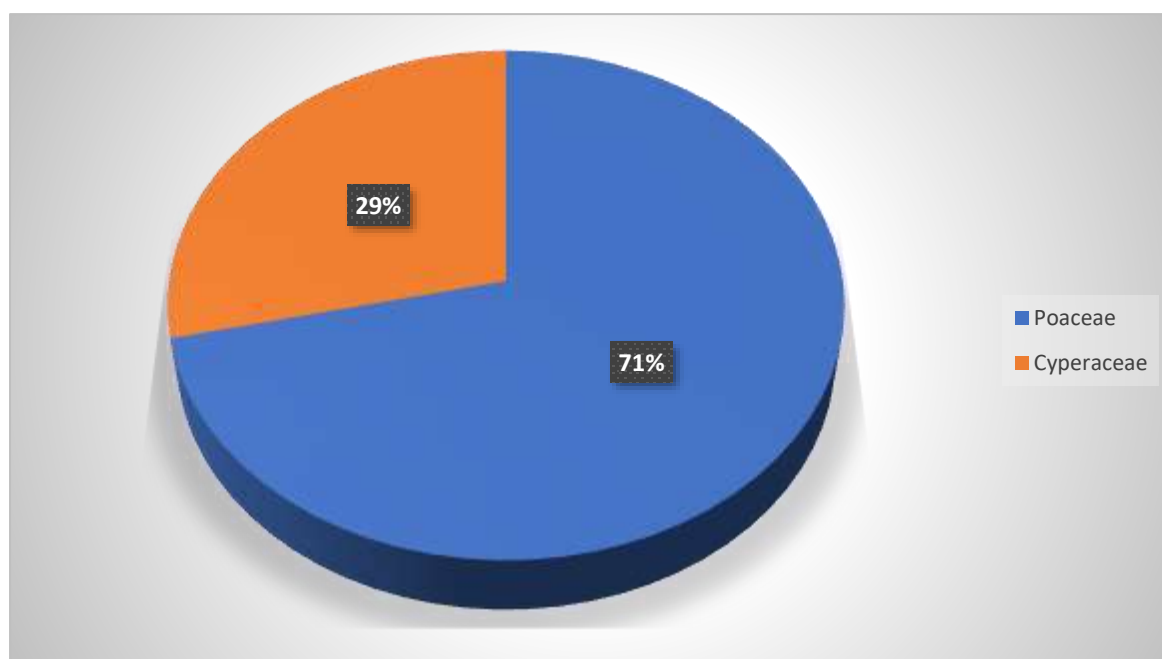


Figure 15: Proportion of representatives of Cyperaceae and Poaceae recorded from Pale

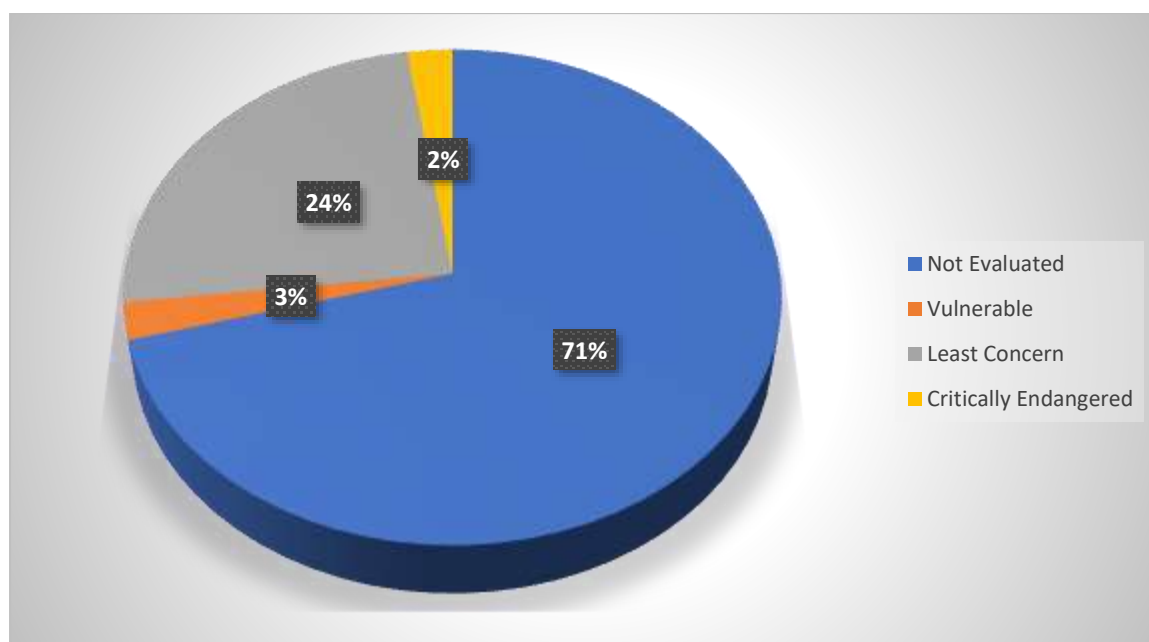


Figure 16: Distribution of herbaceous species recorded from Pale, based on IUCN classification

Mollem

This grassland falls under a protected area. A total of 11 species of herbs, belonging to 5 families have been recorded from Mollem (Figure 17). Out of the 11 species, 8 species are grasses. Poaceae members dominate over Cyperaceae members. (Figure 18). Out of these 11 species, that have been recorded, 7 fall under the IUCN category of Not Evaluated, and 4 are of Least Concern (Figure 19). Annexure 1 provides the complete list of species.

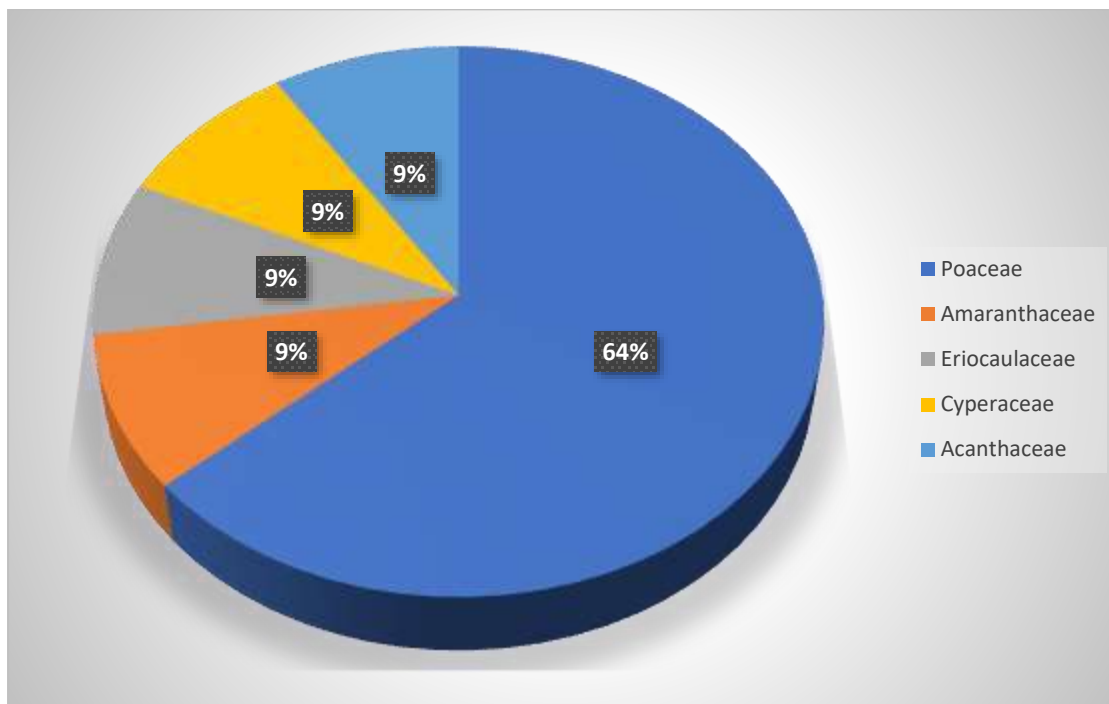


Figure 17: Overview of plant families and representatives recorded from Mollem

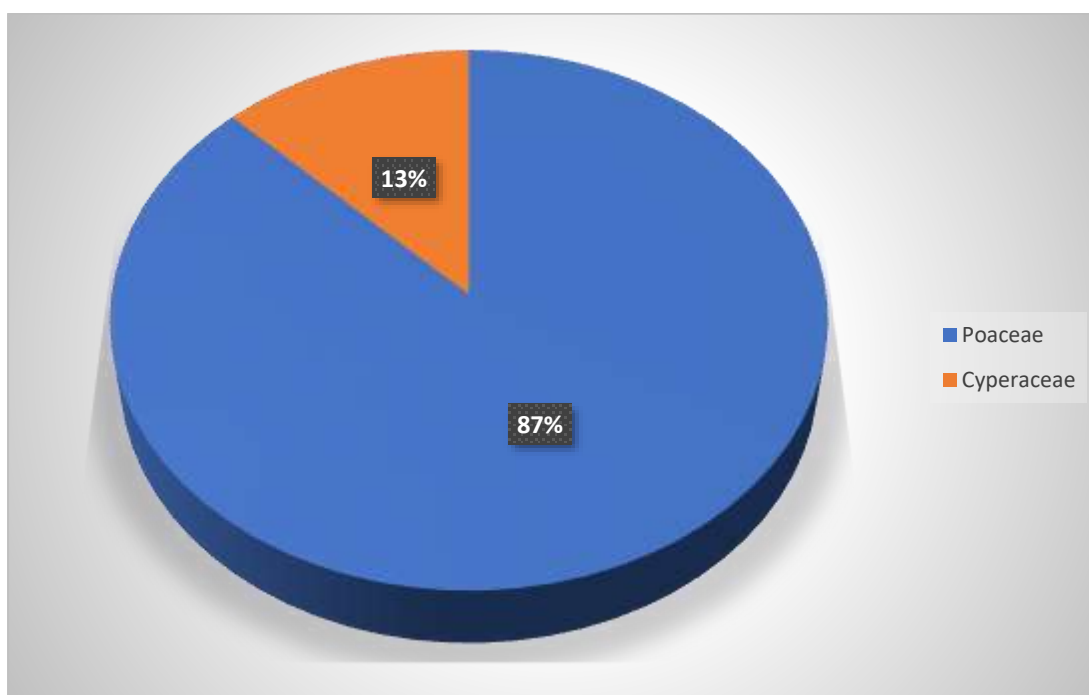


Figure 18: Proportion of representatives of Cyperaceae and Poaceae recorded from Mollem

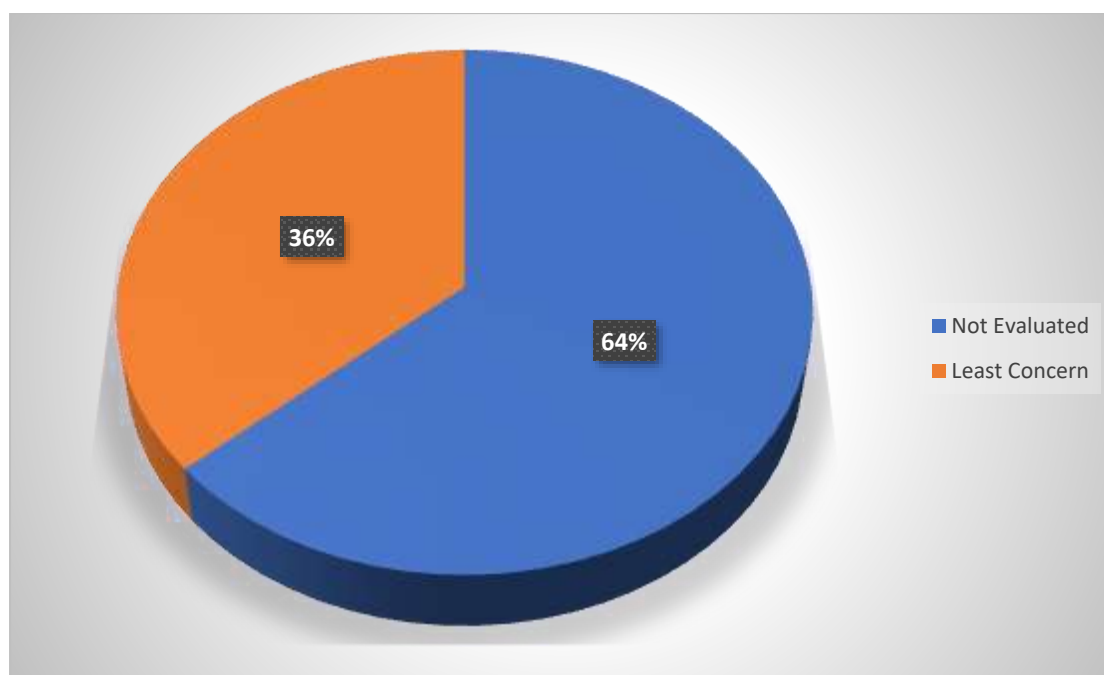


Figure 19: Distribution of herbaceous species recorded from Mollem, based on IUCN classification

Sosogad

This grassland falls under a protected area. A total of 18 species of herbs, belonging to 8 families have been recorded from Sosogad (Figure 20). Out of the 18 species, 10 species are grasses. Poaceae members dominate over Cyperaceae members. (Figure 21). Out of these 18 species, that have been recorded, 10 fall under the IUCN category of Not Evaluated, 7 are of Least Concern and 1 is Critically Endangered (Figure 22). Annexure 1 provides the complete list of species.

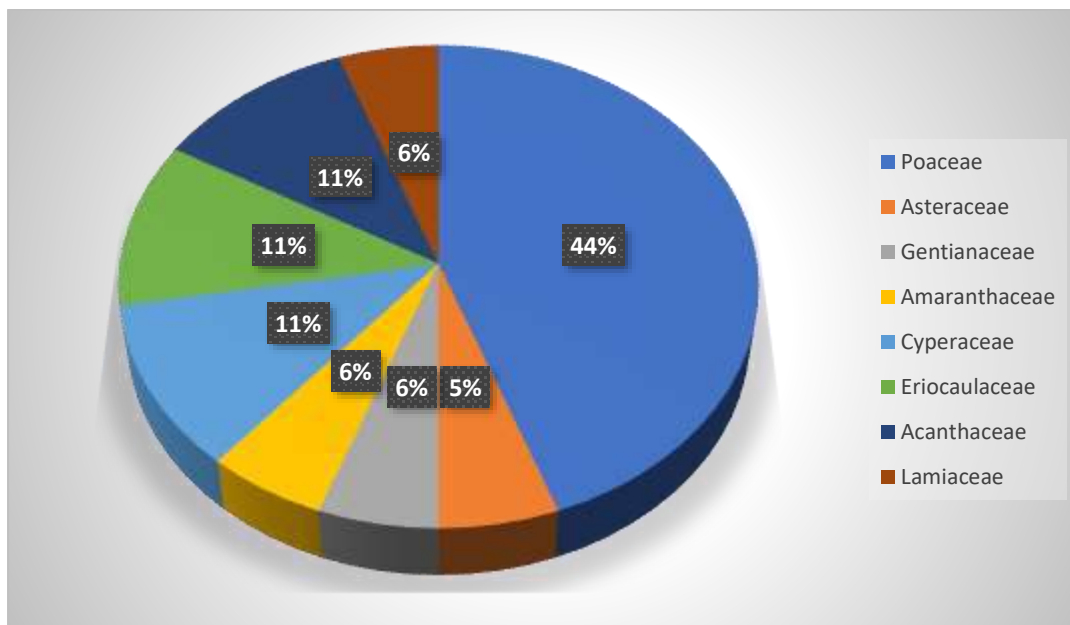


Figure 20: Overview of plant families and representatives recorded from Sosogad

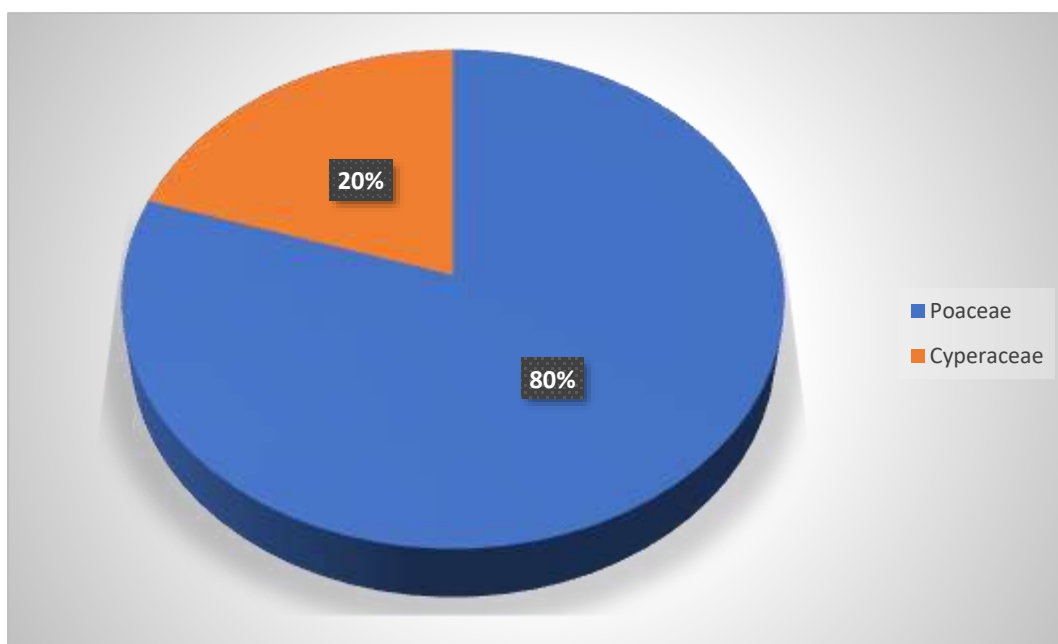


Figure 21: Proportion of representatives of Cyperaceae and Poaceae recorded from Sosogad

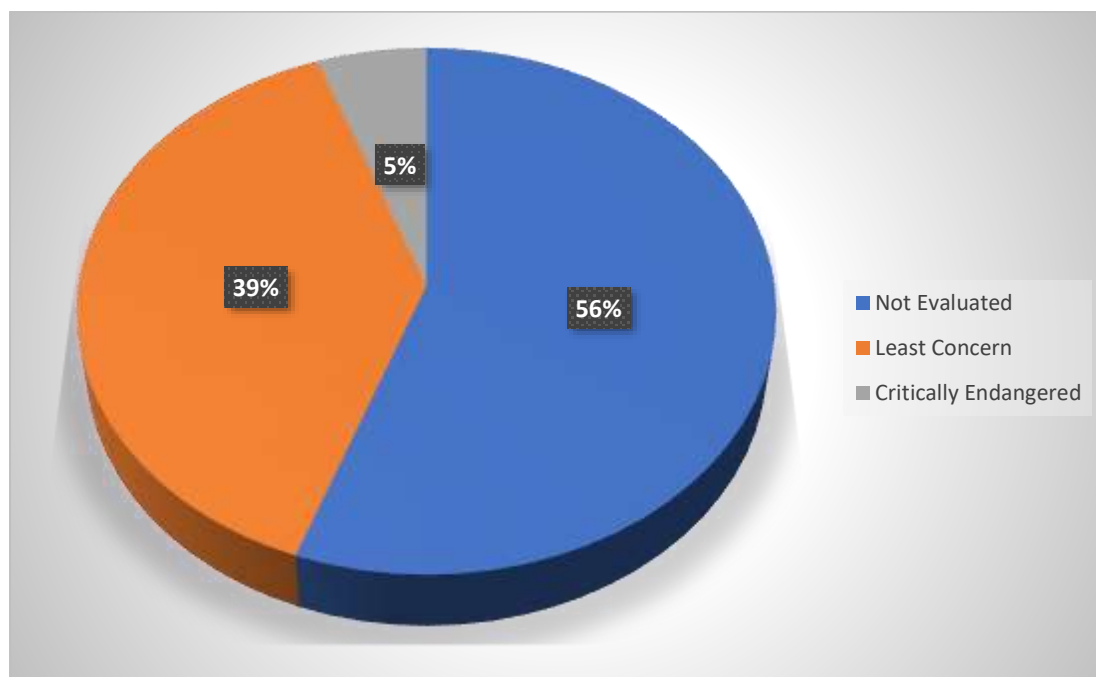


Figure 22: Distribution of herbaceous species recorded from Sosogad, based on IUCN classification

Succoro

This grassland does not fall under a protected area. A total of 59 species of herbs, belonging to 19 families have been recorded from Succoro (Figure 23). Out of the 59 species, 27 species are grasses. Poaceae members dominate over Cyperaceae members. (Figure 24). Out of these 59 species, that have been recorded, 32 fall under the IUCN category of Not Evaluated, 3 are of Vulnerable and 24 are of Least Concern (Figure 25). Annexure 1 provides the complete list of species.

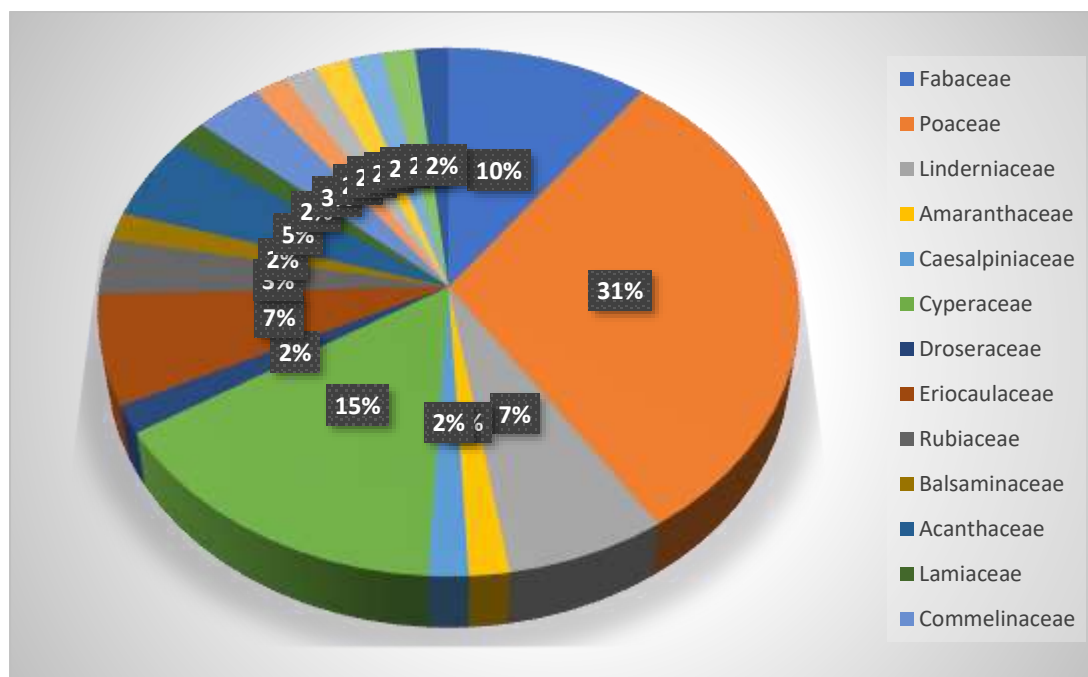


Figure 23: Overview of plant families and representatives recorded from Succoro

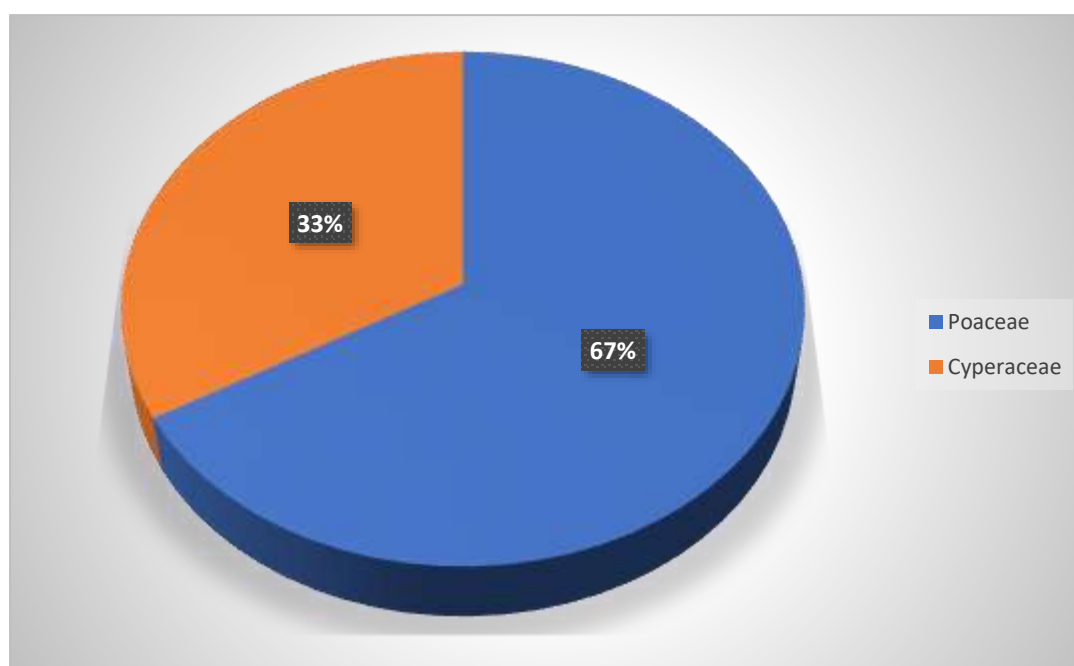


Figure 24: Proportion of representatives of Cyperaceae and Poaceae recorded from Succoro

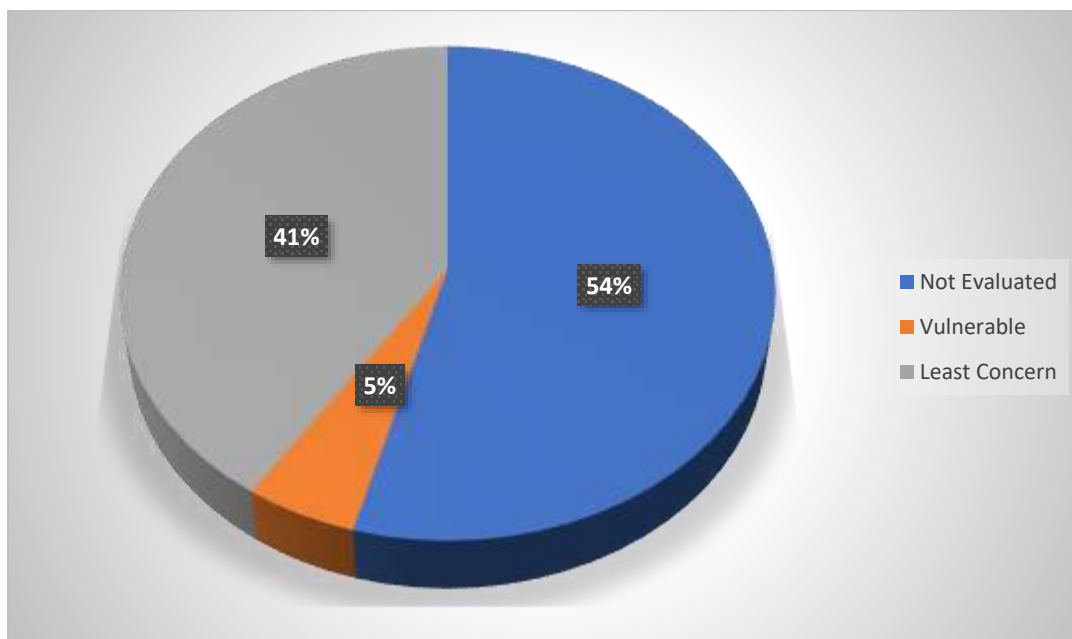


Figure 25: Distribution of herbaceous species recorded from Succoro, based on IUCN classification

Verna

This grassland does not fall under a protected area. A total of 55 species of herbs, belonging to 14 families have been recorded from Verna (Figure 26). Out of the 55 species, 30 species are grasses. Poaceae members dominate over Cyperaceae members. (Figure 27). Out of these 55 species, that have been recorded, 39 fall under the IUCN category of Not Evaluated, 1 falls under Vulnerable category, 14 are of Least Concern and 1 is Critically Endangered (Figure 28). Annexure 1 provides the complete list of species.

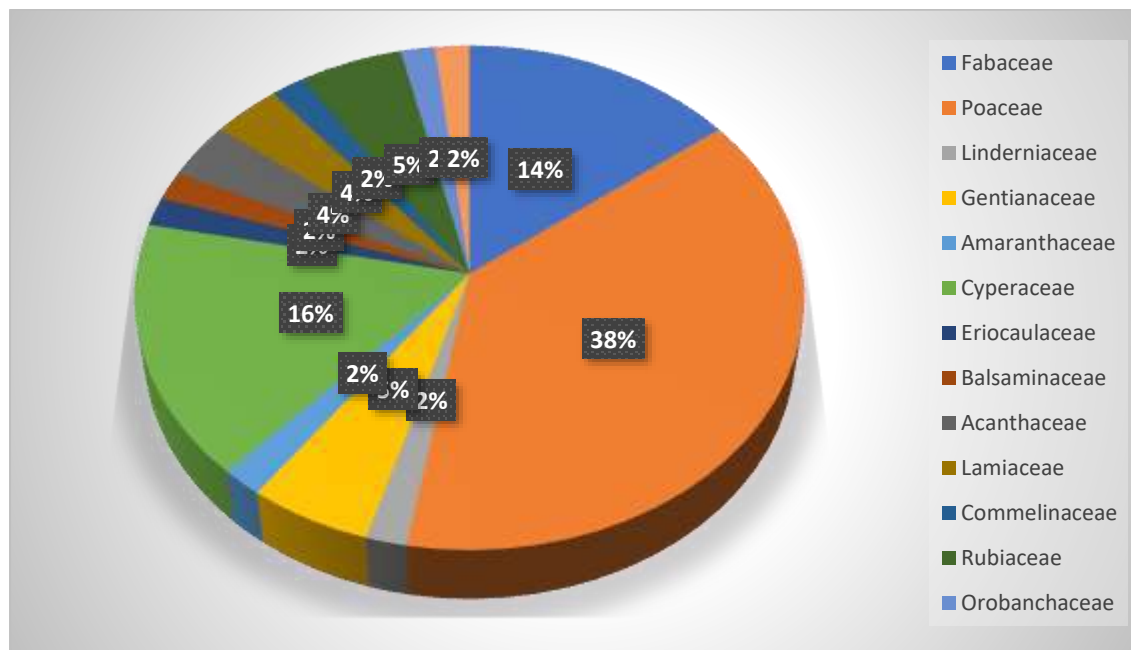


Figure 26: Overview of plant families and representatives recorded from Verna

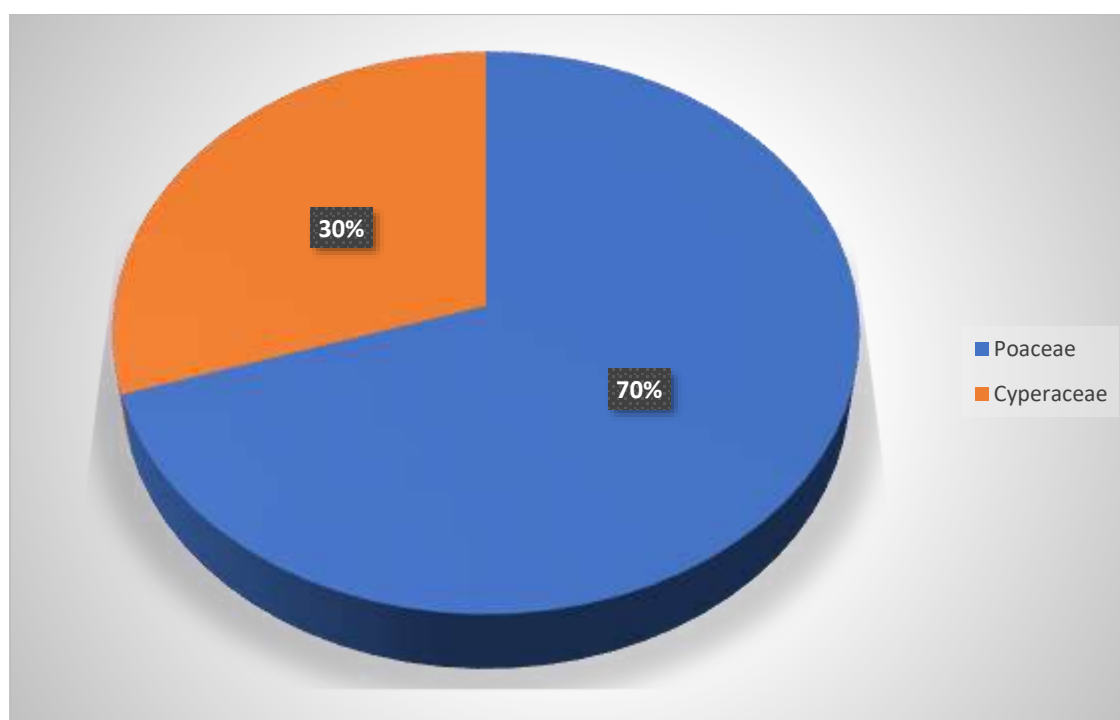


Figure 27: Proportion of representatives of Cyperaceae and Poaceae recorded from Verna

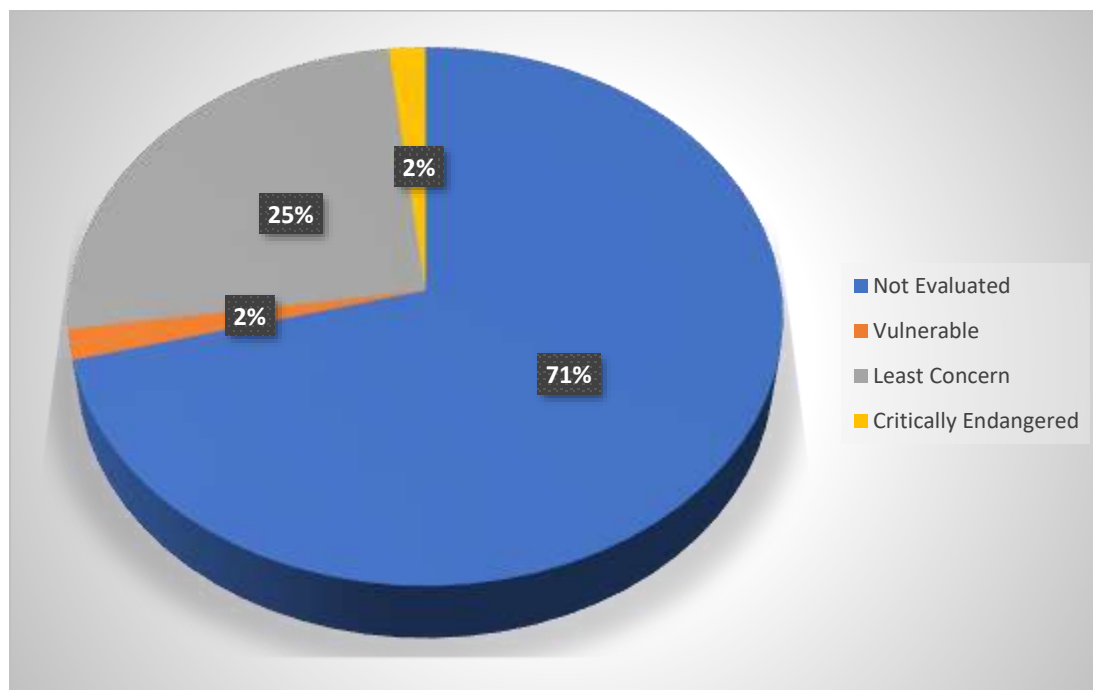


Figure 28: Distribution of herbaceous species recorded from Verna, based on IUCN classification

Shannon Diversity

Shannon Diversity of all the grasslands was calculated. Figure 29 highlights the Shannon Diversity of all the grasslands. Verna has the lowest Shannon Diversity.

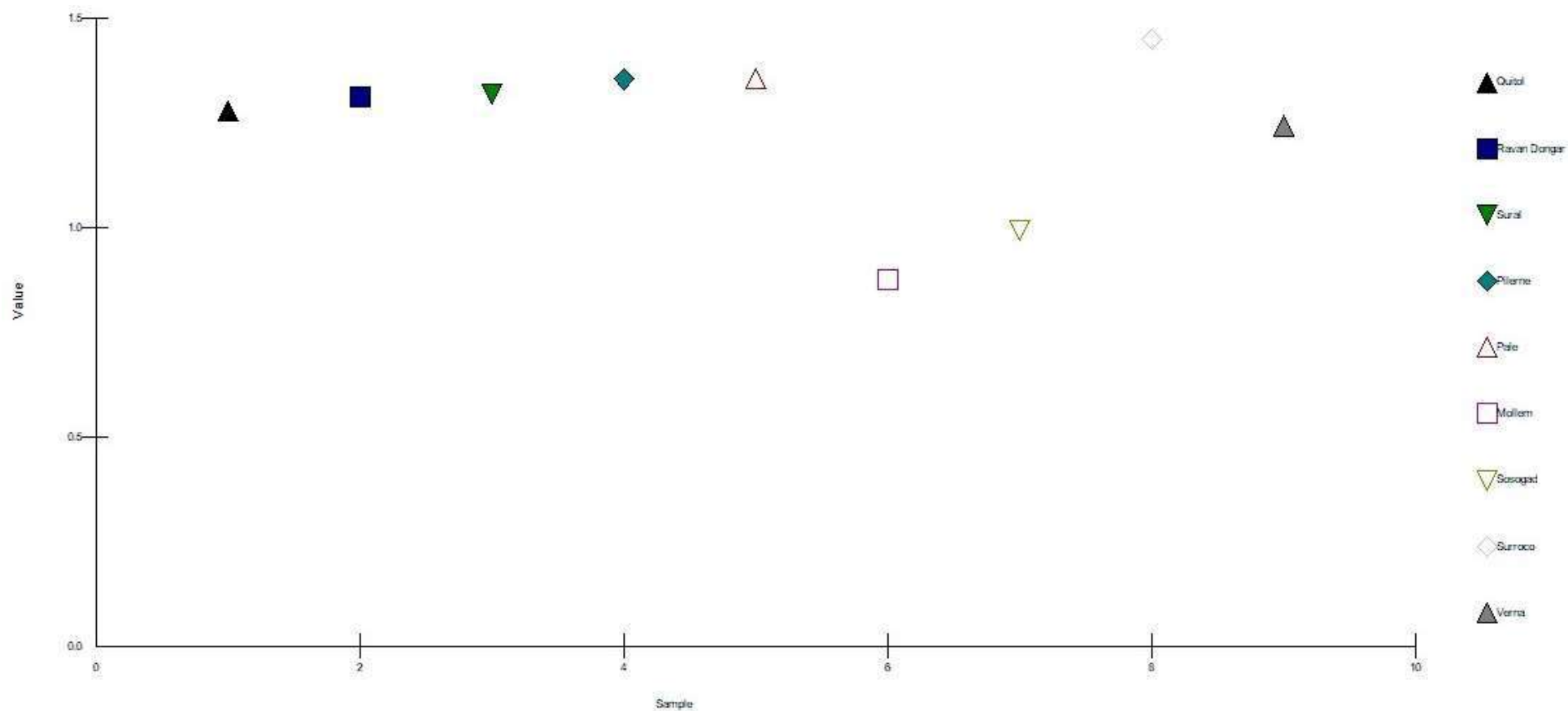


Figure 29: Site-wise Shannon Diversity

Table 3: Shannon Diversity of the different Grasslands

| Shannon Diversity | Quitol | Ravan Dongar | Sural | Pilerne | Pale | Mollem | Sosogad | Succoro | Verna |
|--------------------------|---------------|---------------------|--------------|----------------|-------------|---------------|----------------|----------------|--------------|
| | 0.809 | 0.83 | 0.86 | 0.877 | 0.846 | 0.876 | 0.79 | 0.821 | 0.735 |

Simpson’s Diversity

Simpson’s Diversity of all the grasslands was calculated. Figure 30 highlights the Simpson’s Diversity of all the grasslands. Pilerne has the lowest Simpson’s Diversity.

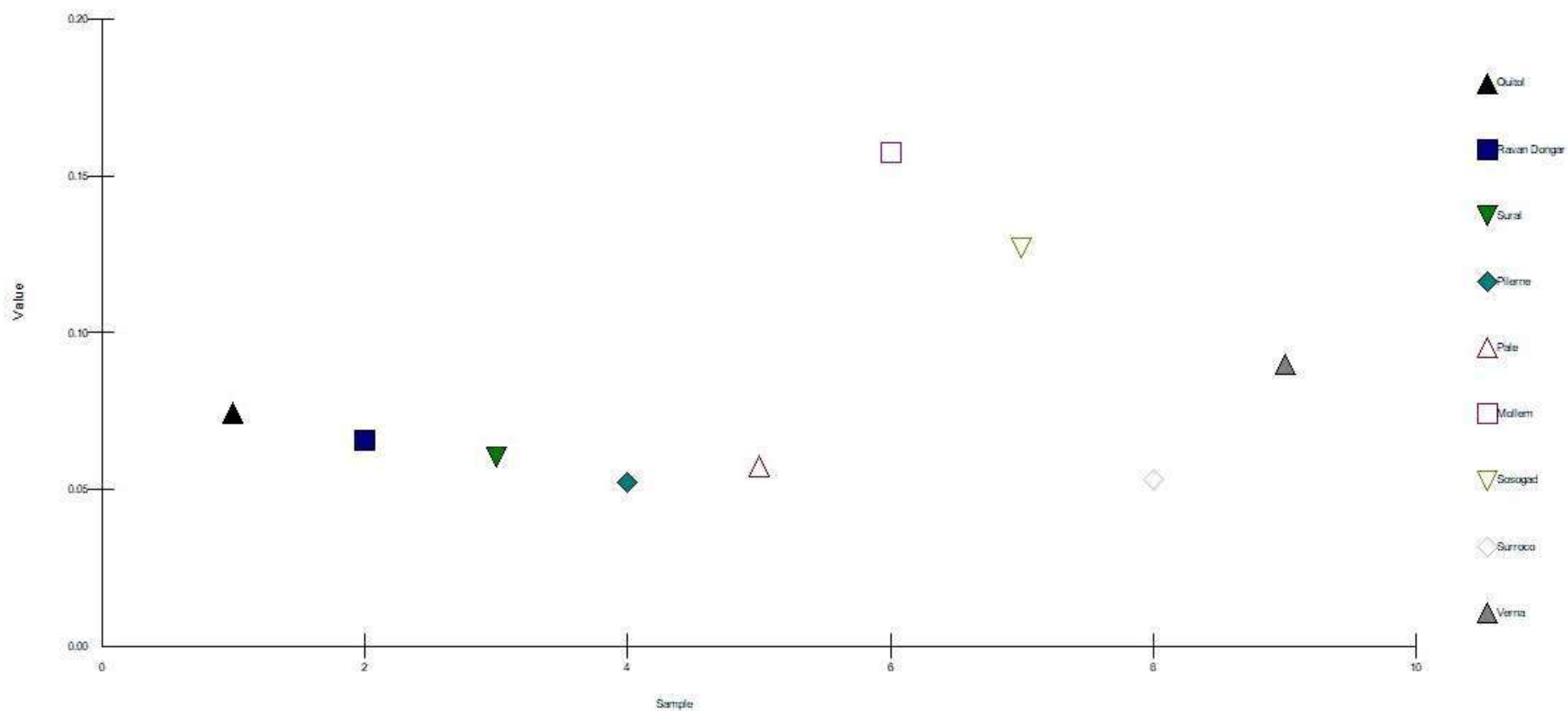


Figure 30: Site-wise Simpson's Diversity

Table 4: Simpson's Diversity of the different Grasslands

| Simpson's Diversity | Quitol | Ravan Dongar | Sural | Pilerne | Pale | Mollem | Sosogad | Succoro | Verna |
|---------------------|--------|--------------|-------|---------|-------|--------|---------|---------|-------|
| | 0.074 | 0.066 | 0.06 | 0.052 | 0.057 | 0.157 | 0.127 | 0.053 | 0.09 |

Bray Curtis Similarity Matrix

Figure 31 represents the Bray Curtis Similarity Matrix. The matrix clearly demarcates the level of closeness between the grasslands with respect to the grass species found in each of them.

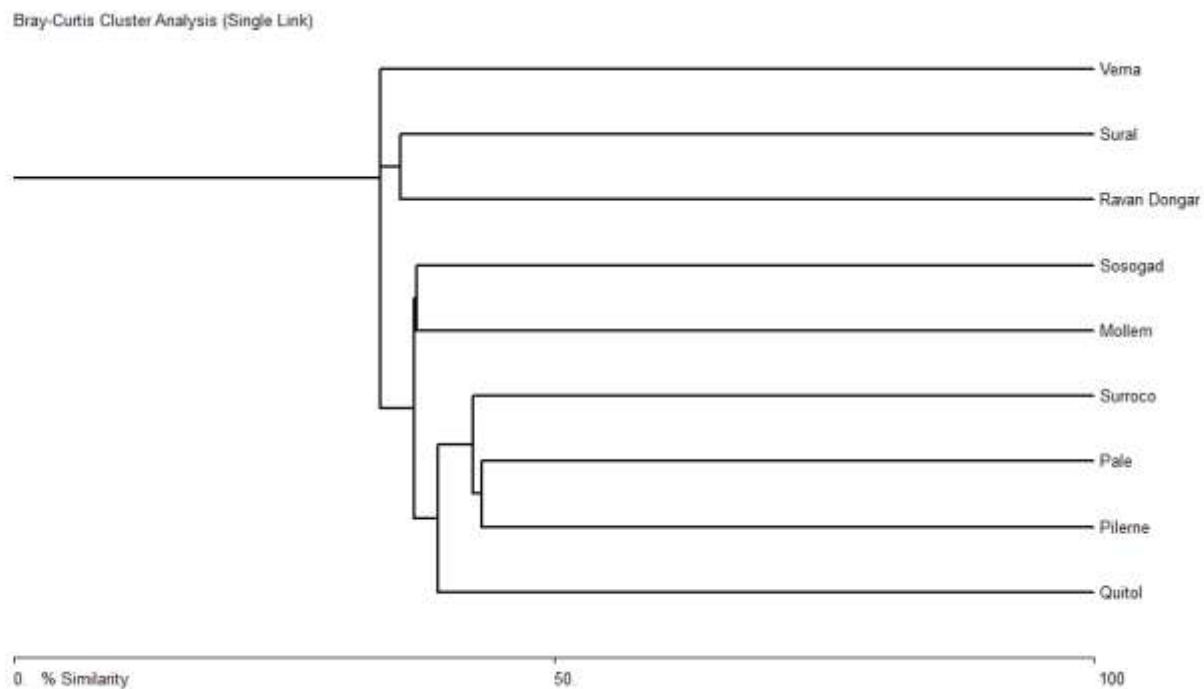
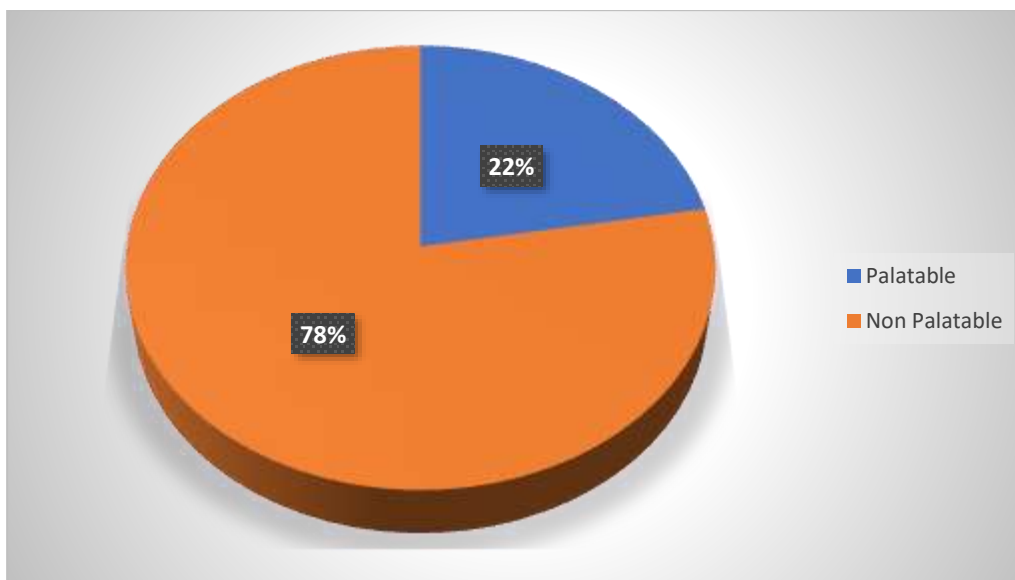


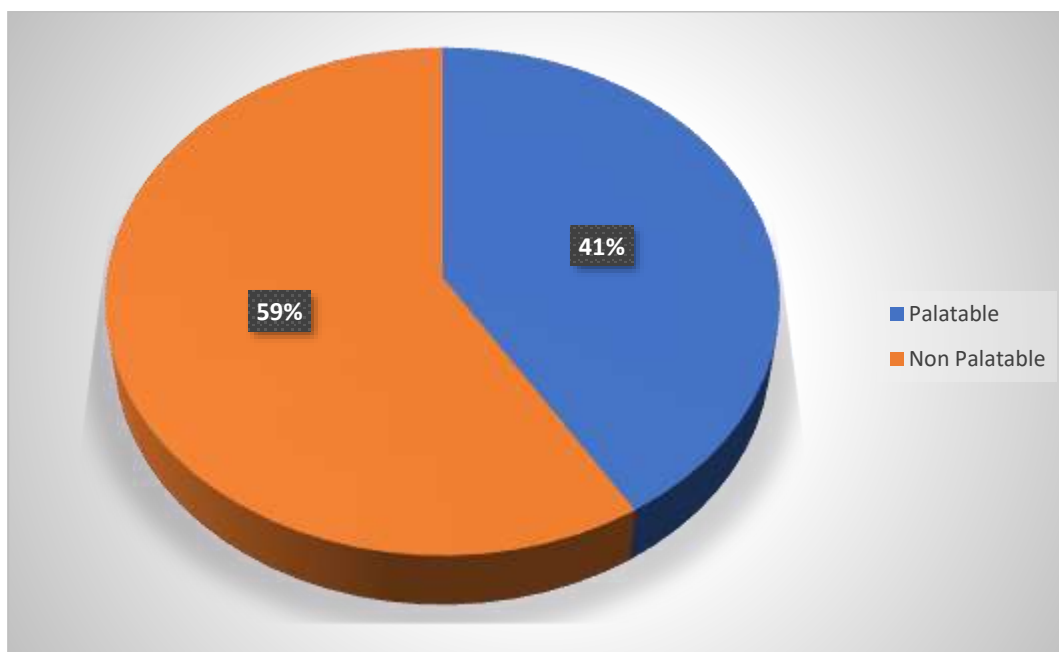
Figure 31: Bray Curtis Similarity Matrix

Objective 2: Palatable and Non-Palatable Grasses

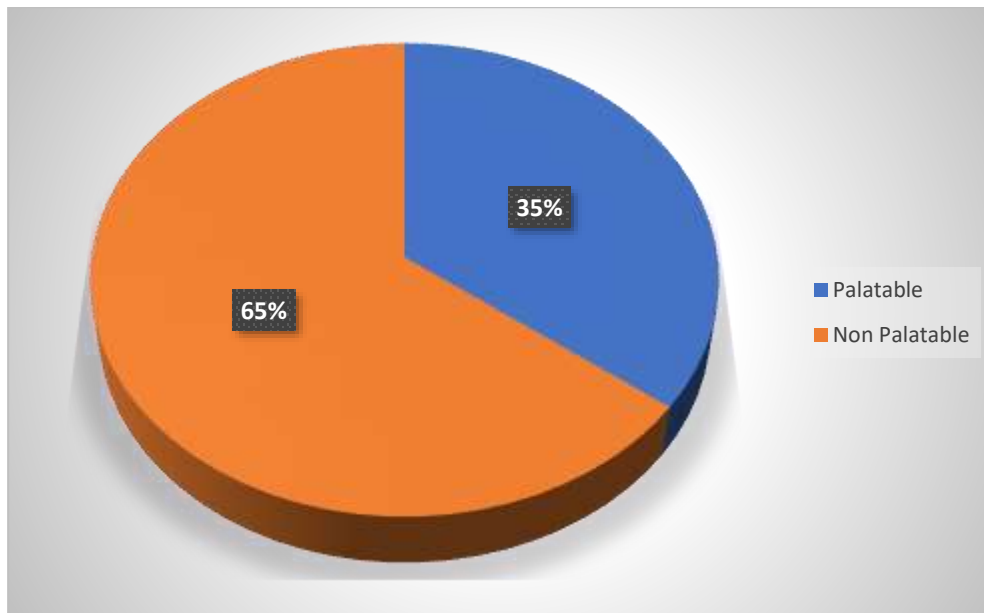
Detailed literature review was conducted to develop site-specific lists of palatable and non-palatable grass species. Please refer Annexure 1 for the lists.



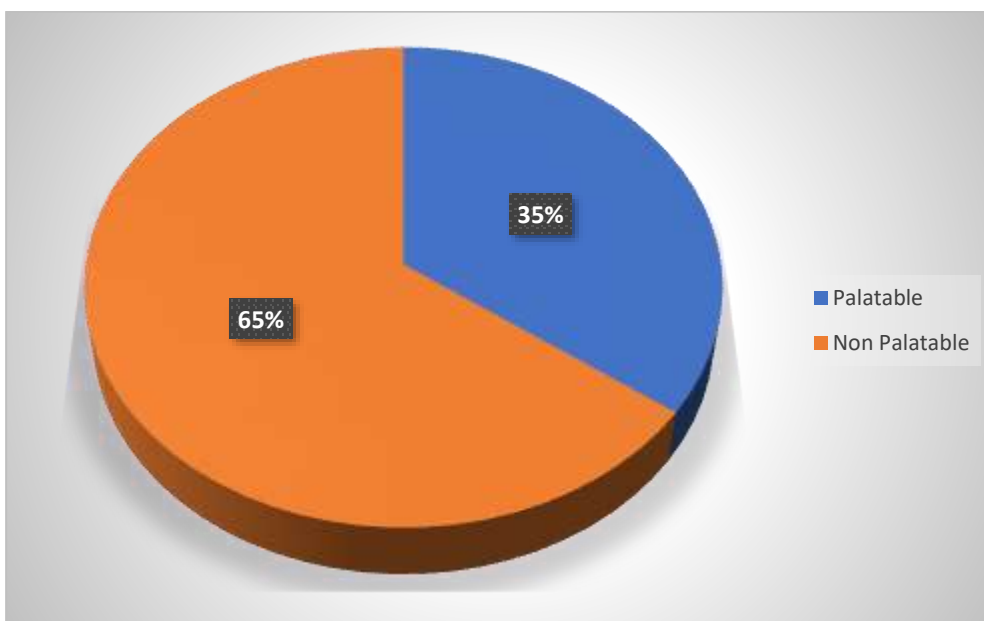
Quitol



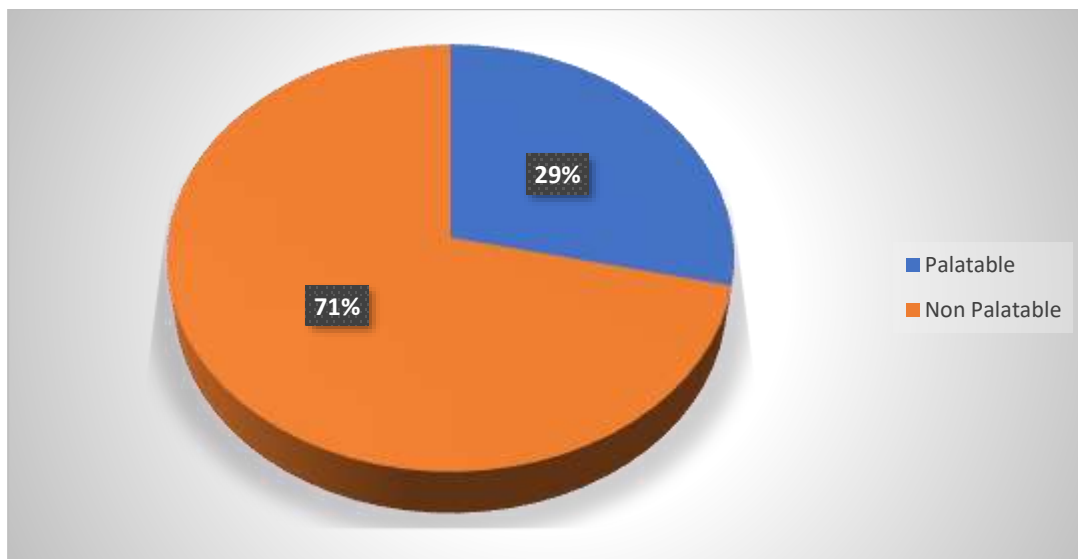
Ravan Dongar



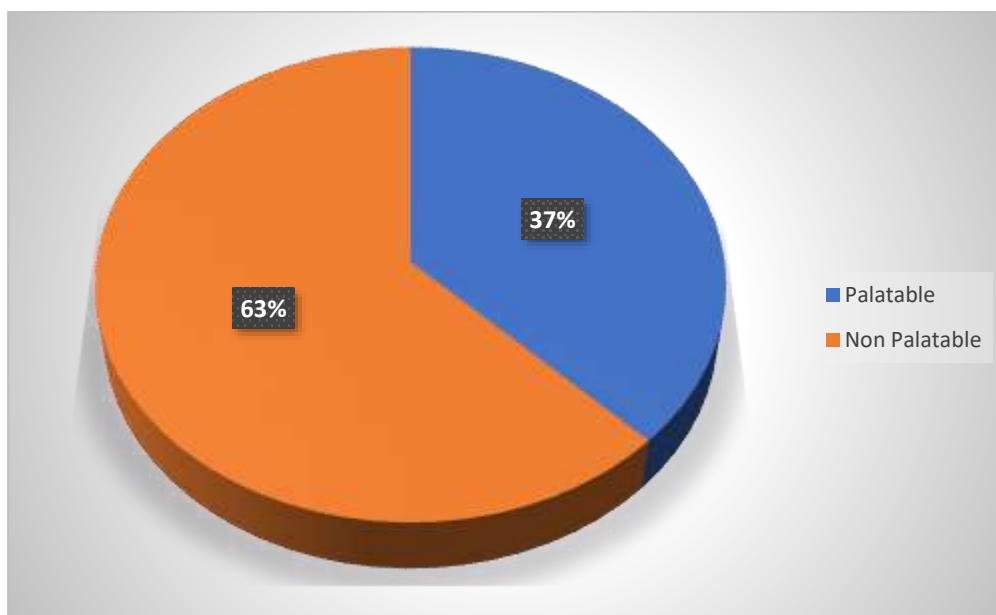
Surla



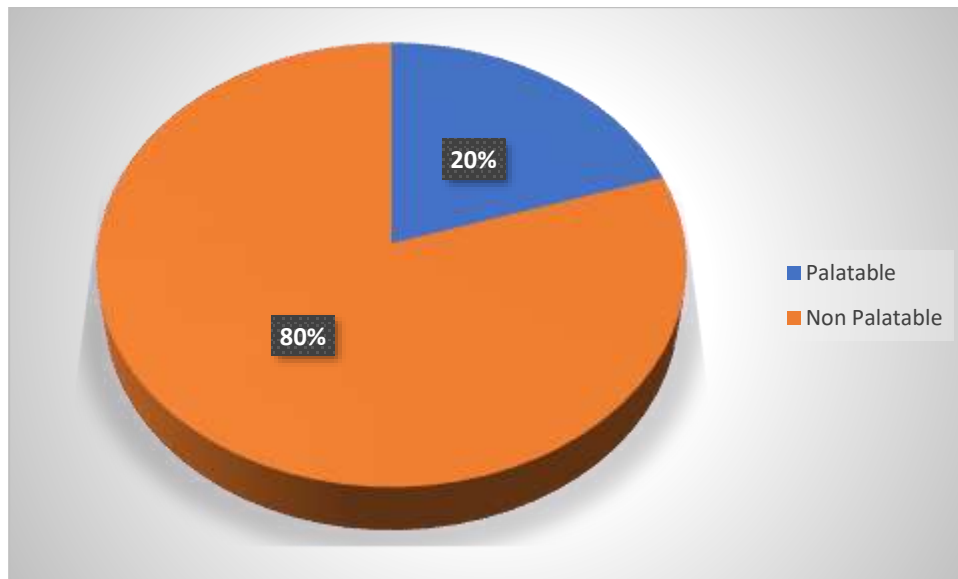
Pilerne



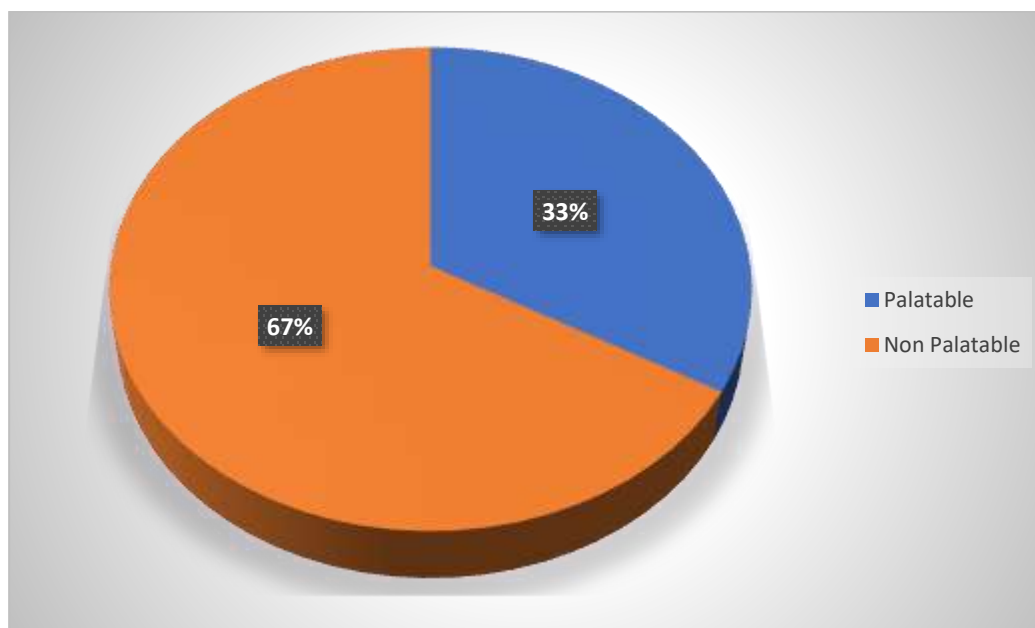
Pale



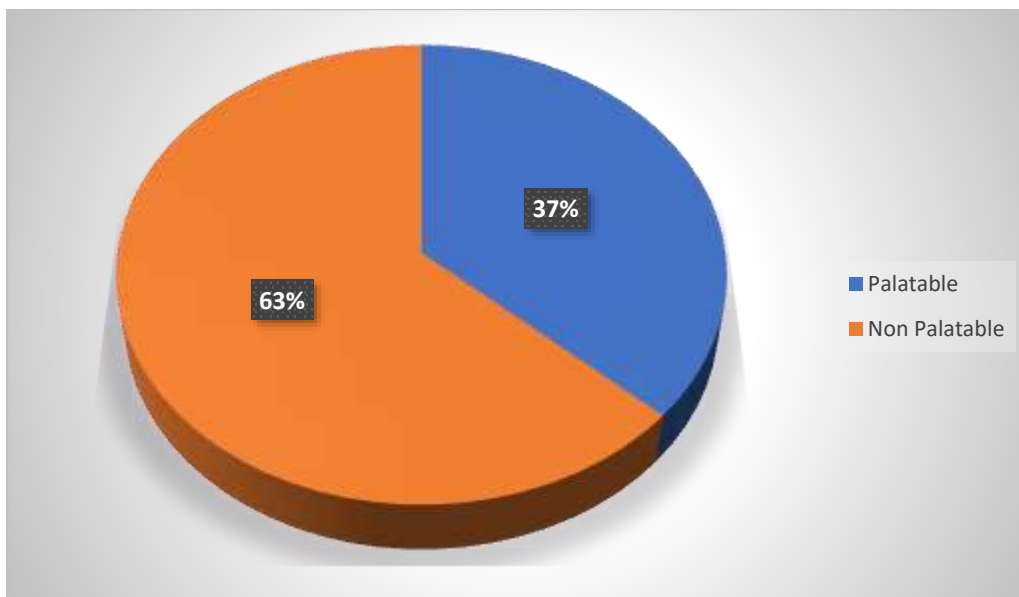
Mollem



Sosogad



Succoro



Verna

Figure 32: Proportion of Palatable and Non-Palatable Grass Species at each Site

Objective 3: Native and Non-Native Grasses

Detailed literature review was conducted to study the nativity of the grass species (refer Annexure 1 for detailed list). All the grass species that have been recorded during the field work are all native species. Absence of non-native grass species in the grasslands is an indicator of the good health of the grasslands in Goa.

Annexure 1: Site-Wise List of Herbaceous Species

Quitol

| Name of the species | Family | IUCN status | Palatable | Native or not |
|----------------------------------|-----------------|-------------|----------------------|---------------|
| <i>Alternanthera pungens</i> | Amaranthaceae | NE | | Introduced |
| <i>Bhidea burnsiana</i> | Poaceae | V | | Native |
| <i>Blumea obliqua</i> | Asteraceae | NE | | Native |
| <i>Bonnaya antipoda</i> | Linderniaceae | LC | | Native |
| <i>Celosia argentea</i> | Amaranthaceae | NE | | Introduced |
| <i>Ceropegia attenuata</i> | Apocynaceae | NE | | Native |
| <i>Chamaecrista mimosoides</i> | Caesalpiniaceae | LC | | Native |
| <i>Cyperus iria</i> | Cyperaceae | LC | | Native |
| <i>Cyperus rotundus</i> | Cyperaceae | LC | | Native |
| <i>Dactyloctenium aegypticum</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Eragrostis unioloides</i> | Poaceae | LC | Palatable; cattle | Native |
| <i>Enicostema verticillatum</i> | Gentianaceae | NE | | Introduced |
| <i>Eriocaulon goaense</i> | Eriocaulaceae | NE | | Native |
| <i>Fimbristylis ferruginea</i> | Cyperaceae | LC | | Native |
| <i>Fimbristylis miliacea</i> | Cyperaceae | NE | | Native |
| <i>Fimbristylis schoenoides</i> | Cyperaceae | LC | | Native |
| <i>Geissaspis cristata</i> | Fabaceae | LC | | Native |
| <i>Glyphochloa divergens</i> | Poaceae | V | | Native |
| <i>Indigofera tinctoria</i> | Fabaceae | NE | | Introduced |
| <i>Isachne globosa</i> | Poaceae | LC | Palatable; cattle | Native |
| <i>Ischaemum indicum</i> | Poaceae | NE | | Native |
| <i>Ischaemum manilaliana</i> | Poaceae | NE | | Native |
| <i>Ischaemum molle</i> | Poaceae | LC | | Native |
| <i>Ischaemum semisagittatum</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Murdannia edulis</i> | Commelinaceae | NE | | Native |
| <i>Neanotis foetida</i> | Rubiaceae | NE | | Native |
| <i>Panicum notatum</i> | Poaceae | NE | | Native |
| <i>Paspalum conjugatum</i> | Poaceae | LC | | Native |
| <i>Rhamphicarpa fistulosa</i> | Orobanchaceae | LC | | Native |
| <i>Rhynchospora wightiana</i> | Cyperaceae | NE | | Native |
| <i>Rostellularia procumbens</i> | Acanthaceae | NE | | Native |
| <i>Rotala indica</i> | Lythraceae | LC | | Native |
| <i>Setaria pallidifusca</i> | Poaceae | NE | | Native |
| <i>Smithia sensitiva</i> | Fabaceae | LC | | Native |
| <i>Spermacoce articularis</i> | Rubiaceae | NE | | Native |
| <i>Spermacoce ocymoides</i> | Rubiaceae | NE | | Native |
| <i>Urena lobata</i> | Malvaceae | LC | | Native |

| | | | | |
|-----------------------|----------|----|--|--------|
| <i>Zornia gibbosa</i> | Fabaceae | NE | | Native |
|-----------------------|----------|----|--|--------|

Ravan Dongar

| Name of the species | Family | IUCN status | Palatable | Native or not |
|---------------------------------|-----------------|-------------|------------------------------|---------------|
| <i>Ammania gracilis</i> | Lythraceae | NE | | Introduced |
| <i>Apluda mutica</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Arthraxon lancifolius</i> | Poaceae | NE | | Native |
| <i>Arundinella leptochloa</i> | Poaceae | LC | Palatable; cattle | Native |
| <i>Arundinella pumila</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Blumea obliqua</i> | Asteraceae | NE | | Native |
| <i>Cyperus rotundus</i> | Cyperaceae | LC | | Native |
| <i>Dichaschistia trilobata</i> | Malvaceae | NE | | Native |
| <i>Eriocaulon eurypeplon</i> | Eriocaulaceae | LC | | Native |
| <i>Eriocaulon goaense</i> | Eriocaulaceae | NE | | Native |
| <i>Eulalia trispicata</i> | Poaceae | NE | Palatable; cattle, nilgai | Native |
| <i>Exacum pumilum</i> | Gentianaceae | NE | | Native |
| <i>Fimbristylis ferruginea</i> | Cyperaceae | LC | | Native |
| <i>Fimbristylis schoenoides</i> | Cyperaceae | LC | | Native |
| <i>Habenaria heyneana</i> | Orchidaceae | NE | | Native |
| <i>Impatiens balsamina</i> | Balsaminaceae | NE | | Native |
| <i>Indigofera tinctoria</i> | Fabaceae | NE | | Introduced |
| <i>Ischaemum indicum</i> | Poaceae | LC | | Native |
| <i>Ischaemum manilaliana</i> | Poaceae | NE | | Native |
| <i>Ischaemum semisagittatum</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Jansenella griffithiana</i> | Poaceae | NE | | Native |
| <i>Lepidagathis fasciculata</i> | Acanthaceae | NE | | Native |
| <i>Leucas aspera</i> | Lamiaceae | NE | | Native |
| <i>Murdannia edulis</i> | Commelinaceae | NE | | Native |
| <i>Neanotis subtilis</i> | Rubiaceae | NE | | Native |
| <i>Panicum psilopodium</i> | Poaceae | LC | | Native |
| <i>Parasopubia hofmannii</i> | Orobanchaceae | NE | | Native |
| <i>Paspalum canarae</i> | Poaceae | LC | | Native |
| <i>Paspalum conjugatum</i> | Poaceae | LC | | Native |
| <i>Paspalum flavidium</i> | Poaceae | LC | Palatable, cattle | Native |
| <i>Polygala erecta</i> | Polygalaceae | NE | | Native |
| <i>Portulaca grandiflora</i> | Portulacaceae | NE | | Introduced |
| <i>Rostellularia procumbens</i> | Acanthaceae | NE | | Native |
| <i>Selaginella kraussiana</i> | Selaginellaceae | NE | | Introduced |
| <i>Smithia sensitiva</i> | Fabaceae | LC | | Native |
| <i>Sopubia delphinifolia</i> | Orobanchaceae | NE | | Native |

| | | | | |
|-------------------------------|------------------|----|----------------------|--------|
| <i>Themeda tremula</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Utricularia malabarica</i> | Lentibulariaceae | NE | | Native |

Surla

| Name of the species | Family | IUCN status | Palatable | Native or not |
|----------------------------------|------------------|-------------|----------------------|---------------|
| <i>Alternanthera pungens</i> | Amaranthaceae | NE | | Introduced |
| <i>Blumea obliqua</i> | Asteraceae | NE | | Native |
| <i>Cyperus iria</i> | Cyperaceae | LC | | Native |
| <i>Cyperus rotundus</i> | Cyperaceae | LC | | Native |
| <i>Danthonidium gammie</i> | Poaceae | NE | | Native |
| <i>Eragrostis uniloides</i> | Poaceae | LC | Palatable; cattle | Native |
| <i>Eragrostis unioloides</i> | Poaceae | LC | Palatable; cattle | Native |
| <i>Eriocaulon eurypeplon</i> | Eriocaulaceae | LC | | Native |
| <i>Eriocaulon goaense</i> | Eriocaulaceae | NE | | Native |
| <i>Eriocaulon stellulatum</i> | Eriocaulaceae | LC | | Native |
| <i>Eriocaulon tuberiferum</i> | Eriocaulaceae | V | | Native |
| <i>Exacum pumilum</i> | Gentianaceae | NE | | Native |
| <i>Fimbristylis ferruginea</i> | Cyperaceae | LC | | Native |
| <i>Fimbristylis schoenoides</i> | Cyperaceae | LC | | Native |
| <i>Hedyotis corymbosa</i> | Rubiaceae | NE | | Native |
| <i>Impatiens balsamina</i> | Balsaminaceae | NE | | Native |
| <i>Isachne globosa</i> | Poaceae | LC | Palatable; cattle | Native |
| <i>Ischaemum indicum</i> | Poaceae | NE | | Native |
| <i>Ischaemum manilaliana</i> | Poaceae | NE | | Native |
| <i>Ischaemum santapau</i> | Poaceae | NE | | Native |
| <i>Ischaemum semisagittatum</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Janasennella griffithiana</i> | Poaceae | NE | | Native |
| <i>Kyllinga nemoralis</i> | Cyperaceae | LC | | Native |
| <i>Lepidagathis fasciculata</i> | Acanthaceae | NE | | Native |
| <i>Marsilea quadrifolia</i> | Marsileaceae | LC | | Introduced |
| <i>Murdannia edulis</i> | Commelinaceae | NE | | Native |
| <i>Panicum auritum</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Paspalum canarae</i> | Poaceae | LC | | Native |
| <i>Pogostemon deccanensis</i> | Lamiaceae | NE | | Native |
| <i>Rhamphicarpa fistulosa</i> | Orobanchaceae | LC | | Native |
| <i>Rotala indica</i> | Lythraceae | LC | | Native |
| <i>Sacciolepis indica</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Utricularia malabarica</i> | Lentibulariaceae | NE | | Native |
| <i>Utricularia reticulata</i> | Lentibulariaceae | LC | | Native |

Pilerne

| Name of the species | Family | IUCN status | Palatable | Native or not |
|---------------------------------|---------------|-------------|----------------------|---------------|
| <i>Apluda mutica</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Arundinela pumila</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Bhidea burnsiana</i> | Poaceae | V | | Native |
| <i>Blumea obliqua</i> | Asteraceae | NE | | Native |
| <i>Cajanus cajan</i> | Fabaceae | NE | | Native |
| <i>Chamecrista mimusoides</i> | Caesalpiaceae | LC | | Native |
| <i>Cyperus rotundus</i> | Cyperaceae | LC | | Native |
| <i>Dimeria veldkampii</i> | Poaceae | NE | | Native |
| <i>Eragrostis unioides</i> | Poaceae | LC | Palatable; cattle | Native |
| <i>Eriocaulon eurypeplon</i> | Eriocaulaceae | LC | | Native |
| <i>Eriocaulon goaense</i> | Eriocaulaceae | NE | | Native |
| <i>Fimbristylis ferruginea</i> | Cyperaceae | LC | | Native |
| <i>Fimbristylis schoenoides</i> | Cyperaceae | LC | | Native |
| <i>Geissaspis cristata</i> | Fabaceae | LC | | Native |
| <i>Glyphochloa divergens</i> | Poaceae | V | | Native |
| <i>Heteropogon controtus</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Isachne globosa</i> | Poaceae | LC | Palatable; cattle | Native |
| <i>Ischaemum indicum</i> | Poaceae | LC | | Native |
| <i>Ischaemum janarthanamii</i> | Poaceae | NE | | Native |
| <i>Ischaemum manilaliana</i> | Poaceae | NE | | Native |
| <i>Ischaemum molle</i> | Poaceae | LC | | Native |
| <i>Ischaemum semisagittatum</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Lepidagathis cuspidata</i> | Acanthaceae | NE | | Native |
| <i>Leucas aspera</i> | Lamiaceae | NE | | Native |
| <i>Murdannia edulis</i> | Commelinaceae | NE | | Native |
| <i>Neoanotis foetida</i> | Rubiaceae | NE | | Native |
| <i>Panicum notatum</i> | Poaceae | NE | | Native |
| <i>Paspalum canarae</i> | Poaceae | LC | | Native |
| <i>Polygala erecta</i> | Polygalaceae | NE | | Native |
| <i>Rhamphicarpa fistulosa</i> | Orobanchaceae | LC | | Native |
| <i>Rhynchospora wightiana</i> | Cyperaceae | NE | | Native |
| <i>Rostellularia procumbens</i> | Acanthaceae | NE | | Native |
| <i>Rotala indica</i> | Lythraceae | LC | | Native |
| <i>Salomonina ciliata</i> | Polygalaceae | NE | | Native |
| <i>Themeda tremula</i> | Poaceae | NE | Palatable; cattle | Native |

Pale

| Name of the species | Family | IUCN status | Palatable | Native or not |
|---------------------------------|------------------|-------------|-------------------|---------------|
| <i>Apluda mutica</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Arundinella metzii</i> | Poaceae | NE | | Native |
| <i>Arundinella tuberculota</i> | Poaceae | NE | | Native |
| <i>Bhidea burnsiana</i> | Poaceae | V | | Native |
| <i>Chrysopogon aciculatus</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Cyperus iria</i> | Cyperaceae | LC | | Native |
| <i>Cyperus squarrosus</i> | Cyperaceae | LC | | Native |
| <i>Dimeria veldkampii</i> | Poaceae | NE | | Native |
| <i>Dimeria woodrowi</i> | Poaceae | NE | | Native |
| <i>Eragrostis uniolooides</i> | Poaceae | LC | Palatable; cattle | Native |
| <i>Fimbristylis ferruginea</i> | Cyperaceae | LC | | Native |
| <i>Fimbristylis miliacea</i> | Cyperaceae | NE | | Native |
| <i>Fimbristylis schoenoides</i> | Cyperaceae | LC | | Native |
| <i>Ischaemum indicum</i> | Poaceae | LC | | Native |
| <i>Ischaemum janarthanamii</i> | Poaceae | NE | | Native |
| <i>Ischaemum semisagittatum</i> | Poaceae | NE | | Native |
| <i>Ischaemum semisagittatum</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Panicum auritum</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Panicum notatum</i> | Poaceae | NE | | Native |
| <i>Rhynchospora wightiana</i> | Cyperaceae | NE | | Native |
| <i>Rostellularia procumbens</i> | Acanthaceae | NE | | Native |
| <i>Sesamum indicum</i> | Pedaliaceae | NE | | Native |
| <i>Spermacoce ocymoides</i> | Rubiaceae | NE | | Native |
| <i>Themeda tremula</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Utricularia reticulata</i> | Lentibulariaceae | LC | | Native |

Mollem

| Name of species | Family | IUCN status | Palatable | Native or not |
|--------------------------------|---------------|-------------|-------------------|---------------|
| <i>Arundinella pumila</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Celosia argentea</i> | Amaranthaceae | LC | | Introduced |
| <i>Dimeria veldkampii</i> | Poaceae | NE | | |
| <i>Dimeria woodrowi</i> | Poaceae | NE | | Native |
| <i>Eriocaulon goanese</i> | Eriocaulaceae | NE | | Native |
| <i>Fimbristylis ferruginea</i> | Cyperaceae | LC | | Native |
| <i>Isachne globosa</i> | Poaceae | LC | Palatable; cattle | Native |
| <i>Ischaemum indicum</i> | Poaceae | LC | | Native |
| <i>Lepidagathis cuspidata</i> | Acanthaceae | NE | | Native |
| <i>Ophiurus bombaiensis</i> | Poaceae | NE | | Native |
| <i>Themeda tremula</i> | Poaceae | NE | Palatable; cattle | Native |

Sosogad

| Name of species | Family | IUCN status | Palatable | Native or not |
|--------------------------------|---------------|-------------|----------------------|---------------|
| <i>Arundinella pumila</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Blumea obliqua</i> | Asteraceae | NE | | Native |
| <i>Canscora shrirangiana</i> | Gentianaceae | CE | | Native |
| <i>Celosia argentea</i> | Amaranthaceae | LC | | Introduced |
| <i>Cyperus iria</i> | Cyperaceae | LC | | Native |
| <i>Danthonidium gammie</i> | Poaceae | NE | | Native |
| <i>Dimeria veldkampii</i> | Poaceae | NE | | Native |
| <i>Eriocaulon goaense</i> | Eriocaulaceae | NE | | Native |
| <i>Eriocaulon stellulatum</i> | Eriocaulaceae | LC | | Native |
| <i>Fimbristylis ferruginea</i> | Cyperaceae | LC | | Native |
| <i>Isachne globosa</i> | Poaceae | LC | Palatable; cattle | Native |
| <i>Ischaemum indicum</i> | Poaceae | LC | | Native |
| <i>Jansenella griffithiana</i> | Poaceae | NE | | Native |
| <i>Justicia latifolia</i> | Acanthaceae | NE | | Native |
| <i>Lepidagathis cuspidata</i> | Acanthaceae | NE | | Native |
| <i>Ophiuros bombaiensis</i> | Poaceae | NE | | Native |
| <i>Paspalum canarae</i> | Poaceae | LC | | Native |
| <i>Pogostemon deccanensis</i> | Lamiaceae | NE | | Native |

Succoro

| Name of the species | Family | IUCN status | Palatable | Native or not |
|---------------------------------|-----------------|-------------|-------------------|---------------|
| <i>Alysicarpus naikianus</i> | Fabaceae | LC | | Native |
| <i>Alysicarpus vaginalis</i> | Fabaceae | NE | | Native |
| <i>Apluda mutica</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Arundinella pumila</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Bhidea burnsiana</i> | Poaceae | V | | Native |
| <i>Bonnaya antipoda</i> | Linderniaceae | LC | | Native |
| <i>Bonnaya brachiata</i> | Linderniaceae | LC | | Native |
| <i>Bonnaya teniifolia</i> | Linderniaceae | NE | | Native |
| <i>Celosia argentea</i> | Amaranthaceae | LC | | Introduced |
| <i>Chamecrista mimosoides</i> | Caesalpiniaceae | LC | | Native |
| <i>Chrysopogon aciculatus</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Cyperus iria</i> | Cyperaceae | LC | | Native |
| <i>Cyperus leucocephala</i> | Cyperaceae | NE | | Native |
| <i>Cyperus rotundus</i> | Cyperaceae | LC | | Native |
| <i>Cyperus substramineus</i> | Cyperaceae | NE | | Native |
| <i>Cyperus tuberosus</i> | Cyperaceae | LC | | Native |
| <i>Dimeria veldkampii</i> | Poaceae | NE | | Native |
| <i>Drosera indica</i> | Droseraceae | NE | | Native |
| <i>Eragrostis unioides</i> | Poaceae | LC | Palatable; cattle | Native |
| <i>Eriocaulon eurypeplon</i> | Eriocaulaceae | LC | | Native |
| <i>Eriocaulon goaense</i> | Eriocaulaceae | NE | | Native |
| <i>Eriocaulon tuberiferum</i> | Eriocaulaceae | V | | Native |
| <i>Euphorbia concanensis</i> | Eriocaulaceae | NE | | Native |
| <i>Fimbristylis ferruginea</i> | Cyperaceae | LC | | Native |
| <i>Fimbristylis schoenoides</i> | Cyperaceae | LC | | Native |
| <i>Geissaspis tenella</i> | Fabaceae | LC | | Native |
| <i>Glyphochloa divergens</i> | Poaceae | V | | Native |
| <i>Hedyotis corymbosa</i> | Rubiaceae | NE | | Native |
| <i>Heteropogon contortus</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Impatiens balsamina</i> | Balsaminaceae | NE | | Native |
| <i>Indigofera tinctoria</i> | Fabaceae | NE | | Introduced |
| <i>Isachne globosa</i> | Poaceae | LC | Palatable; cattle | Native |
| <i>Isachne gracilis</i> | Poaceae | NE | | Native |
| <i>Ischaemum janarthanamii</i> | Poaceae | NE | | Native |
| <i>Ischaemum manilaliana</i> | Poaceae | NE | | Native |
| <i>Ischaemum molle</i> | Poaceae | LC | | Native |
| <i>Kyllinga nemoralis</i> | Cyperaceae | LC | | Native |
| <i>Lepidagathis cuspidata</i> | Acanthaceae | NE | | Native |
| <i>Lepidagathis fasciculata</i> | Acanthaceae | NE | | Native |
| <i>Leucas aspera</i> | Lamiaceae | NE | | Native |
| <i>Lindernia ciliata</i> | Linderniaceae | LC | | Native |

| Name of the species | Family | IUCN status | Palatable | Native or not |
|--------------------------------|----------------|-------------|-------------------|---------------|
| <i>Murdannia edulis</i> | Commelinaceae | NE | | Native |
| <i>Murdannia semiteres</i> | Commelinaceae | LC | | Native |
| <i>Neanotis rheedei</i> | Rubiaceae | EN | | Native |
| <i>Panicum auritum</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Panicum notatum</i> | Poaceae | NE | | Native |
| <i>Panicum psilopodium</i> | Poaceae | LC | | Native |
| <i>Paspalum conjugatum</i> | Poaceae | LC | | Native |
| <i>Pennisetum pedicellatum</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Phyllanthus niruri</i> | Phyllanthaceae | NE | | Native |
| <i>Polygala erioptera</i> | Polygalaceae | NE | | Native |
| <i>Rhamphicarpa fistulosa</i> | Orobanchaceae | LC | | Native |
| <i>Rhynchospora wightiana</i> | Cyperaceae | NE | | Native |
| <i>Rotala indica</i> | Lythraceae | LC | | Native |
| <i>Rungia apiculata</i> | Acanthaceae | NE | | Native |
| <i>Smithia conferta</i> | Fabaceae | NE | | Native |
| <i>Smithia sensitiva</i> | Fabaceae | LC | | Native |
| <i>Tridax procumbens</i> | Asteraceae | NE | | Introduced |
| <i>Xyris indica</i> | Xyridaceae | LC | | Native |

Verna

| Name of the species | Family | IUCN status | Palatable | Native or not |
|---------------------------------|---------------|-------------|-------------------|---------------|
| <i>Alysicarpus vaginalis</i> | Fabaceae | NE | | Native |
| <i>Apluda mutica</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Arundinella pumila</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Arundinella tuberculota</i> | Poaceae | NE | | Native |
| <i>Bhidea burnsiana</i> | Poaceae | V | | Native |
| <i>Bonnaya antipoda</i> | Linderniaceae | LC | | Native |
| <i>Cajanus cajan</i> | Fabaceae | NE | | Native |
| <i>Canscora shirangiana</i> | Gentianaceae | CE | | Native |
| <i>Cassia pumila</i> | Fabaceae | NE | | Native |
| <i>Celosia argentea</i> | Amaranthaceae | LC | | Introduced |
| <i>Cynodon dactylon</i> | Poaceae | NE | Palatable, cattle | Native |
| <i>Cyperus iria</i> | Cyperaceae | LC | | Native |
| <i>Cyperus rotundus</i> | Cyperaceae | LC | | Native |
| <i>Cyperus substramineus</i> | Cyperaceae | NE | | Native |
| <i>Danthonidium gammie</i> | Poaceae | NE | | Native |
| <i>Dimeria veldkampii</i> | Poaceae | NE | | Native |
| <i>Dimeria woodrowii</i> | Poaceae | NE | | Native |
| <i>Eragrostis uniloides</i> | Poaceae | LC | Palatable; cattle | Native |
| <i>Enicostema verticillatum</i> | Gentianaceae | NE | | Introduced |
| <i>Eriocaulon eurypeplon</i> | Eriocaulaceae | LC | | Native |
| <i>Exacum pumilum</i> | Gentianaceae | NE | | Native |
| <i>Fimbristylis ferruginea</i> | Cyperaceae | LC | | Native |
| <i>Fimbristylis miliacea</i> | Cyperaceae | NE | | Native |
| <i>Fimbristylis schoenoides</i> | Cyperaceae | LC | | Native |
| <i>Geissaspis cristata</i> | Fabaceae | LC | | Native |
| <i>Heteropogon contortus</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Impatiens balsamina</i> | Balsaminaceae | NE | | Native |
| <i>Indigofera tinctoria</i> | Fabaceae | NE | | Introduced |
| <i>Isachne globosa</i> | Poaceae | LC | Palatable; cattle | Native |
| <i>Ischaemum indicum</i> | Poaceae | NE | | Native |
| <i>Ischaemum janarthanamii</i> | Poaceae | NE | | Native |
| <i>Ischaemum molle</i> | Poaceae | LC | | Native |
| <i>Ischaemum semisagittata</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Justicia wynaadensis</i> | Acanthaceae | NE | | Native |
| <i>Lepidagathis cuspidata</i> | Acanthaceae | NE | | Native |
| <i>Leucas aspera</i> | Lamiaceae | NE | | Native |
| <i>Murdania edulis</i> | Commelinaceae | NE | | Native |
| <i>Neanotis rheedei</i> | Rubiaceae | EN | | Native |
| <i>Neonatis foetida</i> | Rubiaceae | NE | | Native |
| <i>Panicum auritum</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Pennisetum pedicellatum</i> | Poaceae | NE | Palatable; cattle | Native |

| Name of the species | Family | IUCN status | Palatable | Native or not |
|-------------------------------|---------------|-------------|-------------------|---------------|
| <i>Pogostemon deccanensis</i> | Lamiaceae | NE | | Native |
| <i>Rhamphicarpa fistulosa</i> | Orobanchaceae | LC | | Native |
| <i>Rhynchospora wightiana</i> | Cyperaceae | NE | | Native |
| <i>Sesamum radiatum</i> | Pedaliaceae | NE | | Introduced |
| <i>Smithia conferta</i> | Fabaceae | NE | | Native |
| <i>Smithia sensitiva</i> | Fabaceae | LC | | Native |
| <i>Spermacoce ocymoides</i> | Rubiaceae | NE | | Native |
| <i>Themeda tremula</i> | Poaceae | NE | Palatable; cattle | Native |
| <i>Zornia gibbosa</i> | Fabaceae | NE | | Native |

Annexure 2: Glimpses of field work





Annexure 3: Glimpses of the grasslands

Quitol



Ravan Dongar



Surla



Pilerne



Pale



Mollem



Sosogad



Succoro



Verna

