

## AN UPDATED FLORISTIC CHECKLIST OF SARISKA TIGER RESERVE, ALWAR, RAJASTHAN: A COMPREHENSIVE REVIEW

ASHOK KUMAR BAIRWA<sup>1\*</sup> and MANOJ KUMAR MEENA<sup>2</sup>

<sup>1</sup>Department of Botany, Raj Rishi Government College, Alwar-301001, Rajasthan, India.

<sup>1,2</sup>Department of Botany, M.S.J. Government College, Bharatpur-321001, Rajasthan, India.

\*Corresponding Author's Email: [ashokbairwa1984@gmail.com](mailto:ashokbairwa1984@gmail.com)

This review presents a comprehensive and updated floristic checklist of the Sariska Tiger Reserve (STR) in Rajasthan. Compiled through an extensive analysis of published literature and authenticated secondary data, the study consolidates fragmented records and standardizes plant nomenclature according to the APG IV (Angiosperm Phylogeny Group) system. A total of 474 species belonging to 315 genera and 85 families are documented. Angiosperms dominate the flora, contributing 469 species (98.94%), whereas pteridophytes and gymnosperms are represented by only 4 species (0.84%) and 1 species (0.21%), respectively. Among angiosperms, dicotyledons constitute the major component with 362 species (76.37%) and 244 genera, followed by monocotyledons comprising 107 species (22.57%) and 67 genera. Among the recorded taxa, Poaceae is the most dominant family with 64 species and 42 genera, followed by Fabaceae (57 species; 34 genera) and Asteraceae (30 species; 26 genera). Other significant families include Malvaceae (29 species; 15 genera), Cyperaceae (23 species; 8 genera), Acanthaceae and Amaranthaceae (20 species each; 11 genera each), Euphorbiaceae and Lamiaceae (14 species each), and Cucurbitaceae (13 species). This updated checklist will provide a reliable baseline for future floristic, ecological, and conservation research and serves as a valuable reference for researchers, policymakers, and biodiversity managers.

**Keywords:** Alwar, Checklist, Flora, Floristic diversity, Sariska.

### Introduction

Sariska Tiger Reserve (STR) situated in the Aravalli hill range of Alwar district, Rajasthan, India, is one of the most important protected areas in the semi-arid northwestern region of the country. Established as a wildlife sanctuary in 1955 and declared a Tiger Reserve under Project Tiger in 1978 (with the core area notified as a National Park in 1982). STR encompasses a total area of 1,203.34 km<sup>2</sup>, including a critical tiger habitat (core) of 881.11 km<sup>2</sup> and a buffer zone of 322.23 km<sup>2</sup>. Geographically positioned between latitudes 27°05'41"N to 27°38'55"N and longitudes 76°14'30"E to 76°32'31"E<sup>1, 2</sup>. The topography of the Reserve is highly

variable with altitudes ranging from 540 m to 777 m above mean sea level. The reserve is well connected and lies approximately 200 km from Delhi, 110 km from Jaipur, and 37 km from Alwar city. It is administratively divided into several forest ranges, namely Ajabgarh, Sariska, Akbarpur, Tehla, and Talvriksh. The climate of the Sariska Tiger Reserve is semi-arid, characterised by hot and dry conditions. The year can be broadly divided into three distinct seasons. The summer season, extending from mid-March to June, is extremely hot, with high temperatures and dry winds prevailing across the region. The monsoon season occurs from July to September, during which the area receives

more than 90% of its annual rainfall. The winter season is from October to February. The average annual rainfall of the region is approximately 668.6 mm. The vegetation of STR is classified under Northern Tropical

Dry Deciduous Forests (subgroups 5B, 5/E1, and 5/E2) and Northern Tropical Thorn Forest (subgroup 6B) following the forest classification system proposed by Champion and Seth<sup>3</sup>.

**Table 1:** Taxonomic richness of Sariska Tiger Reserve (According to Parmar (1985), Singhadiya and Prasad (2020)).

| Plant Group   |                | Parmar (1985) |            |              | Singhadiya Prasad (2020) |            |           | Parmar (1985), Singhadiya Prasad (2020) |            |            |
|---------------|----------------|---------------|------------|--------------|--------------------------|------------|-----------|-----------------------------------------|------------|------------|
|               |                | Families      | Genera     | Species      | Families                 | Genera     | Species   | Families                                | Genera     | Species    |
| Angiosperms   | Dicotyledons   | 69            | 208        | 308          | 6                        | 35         | 54        | 75                                      | 243        | 362        |
|               | Monocotyledons | 13            | 59         | 90           | 1                        | 6          | 19        | 14                                      | 65         | 109        |
| <b>Total</b>  |                | <b>82</b>     | <b>267</b> | <b>398</b>   | <b>7*</b>                | <b>41*</b> | <b>73</b> | <b>89</b>                               | <b>308</b> | <b>471</b> |
| Pteridophytes |                | 3             | 3          | 4            | -                        | -          | -         | 3                                       | 3          | 4          |
| Gymnosperms   |                | 1             | 1          | 1            | -                        | -          | -         | 1                                       | 1          | 1          |
| <b>Total</b>  |                | <b>86</b>     | <b>271</b> | <b>403**</b> | <b>-</b>                 | <b>-</b>   | <b>-</b>  | <b>93</b>                               | <b>312</b> | <b>476</b> |

\* Addition to new families and Genera \*\*02 Species of monocotyledons are lacking in enumeration

Previous floristic investigations in the STR have provided important baseline information on the vegetation of the Reserve. The early and significant contributions to the floristic exploration of the area were made by Vyas, Parmar, Agarwal & Yadav, and Dular, whose studies collectively laid the foundation for understanding the plant diversity of STR in Rajasthan<sup>4-7</sup>. A notable update came in 2020, when Singhadiya & Prasad (2020) added 73 previously unreported species (07 families and 41 genera are new to the Tiger Reserve)<sup>8</sup>. Despite these concerted efforts, no single comprehensive and updated floristic checklist of Sariska Tiger Reserve exists that synthesizes all available literature, resolves taxonomic discrepancies, and incorporates the latest nomenclatural revisions in accordance with current international standards. This comprehensive review addresses these critical gaps by systematically compiling,

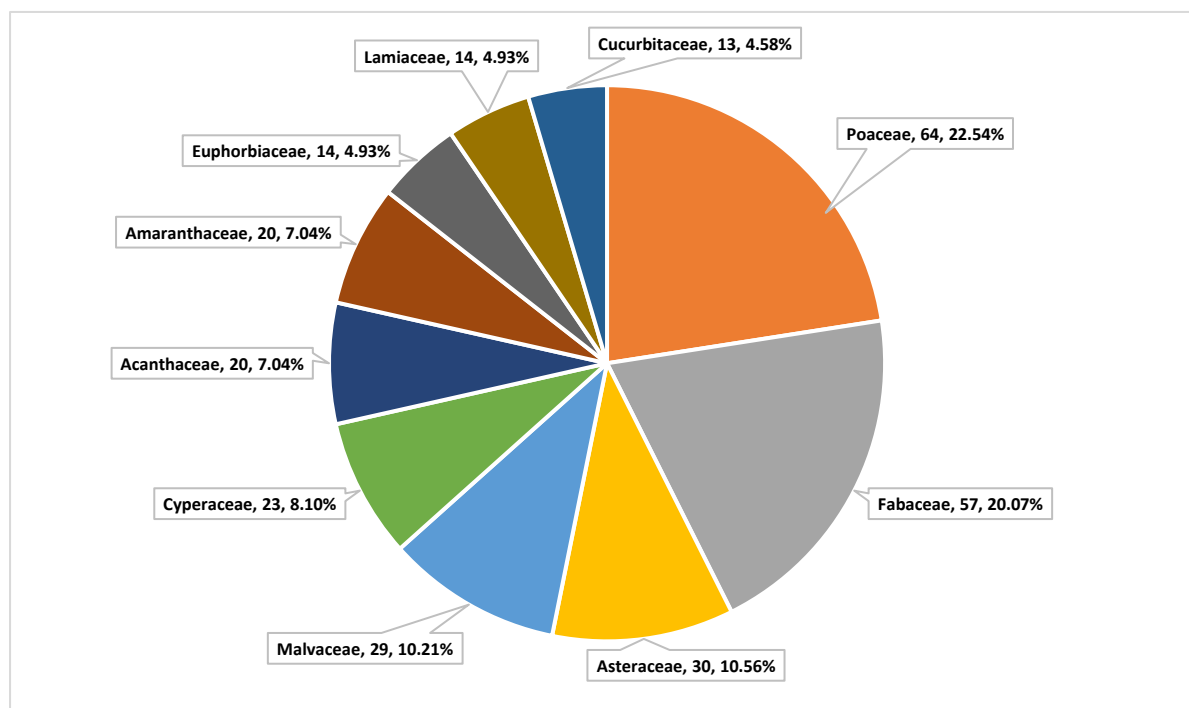
critically verifying and updating the floristic checklist of STR in Rajasthan.

### Material and Methods

This study adopts a comprehensive literature review approach to compile and update the floristic checklist of Sariska Tiger Reserve, supplemented by critical taxonomic verification. No new primary field surveys were conducted; instead, the work synthesizes all accessible published literature on the flora of STR. A systematic search was performed across major scientific databases and repositories, including Google Scholar, ResearchGate, Scopus, Web of Science, the Botanical Survey of India (BSI) archives, and the Rajasthan Forest Department's official documents. Keywords used included floristic checklist Sariska, flora Sariska Tiger Reserve, plant diversity Alwar Rajasthan, and additions to flora Sariska. The currently accepted scientific names,

their synonyms, and taxonomic ranks used in this checklist are drawn from reliable online taxonomic resources, namely the International Plant Names Index (IPNI 2026), The Global Biodiversity

Information Facility (GBIF 2026), World Flora Online (WFO 2026) and Plants of the World Online (POWO 2026)<sup>9-12</sup>. Family circumscriptions follow the latest update of the Angiosperm Phylogeny Group classification (APG IV).



**Figure 1. 1 Top 10 Dominant Families (with % Contribution).**

### Result and Discussion

The earlier work by Parmar (1985) documented a total of 403 species belonging to 271 genera and 86 families<sup>5</sup>, while Singhadiya & Prasad (2020) added 73 previously unreported species (07 families and 41 genera are new to the Tiger Reserve)<sup>8</sup>. The combined account of both studies resulted in a total of 476 species under 312 genera and 93 families (Table 1).

The present floristic review provides a comprehensive account of plant diversity in the Sariska Tiger Reserve, documenting a total of 474 species distributed across 315 genera and 85 families (Table 2).

An updated floristic checklist of Sariska Tiger Reserve (Table 3) was prepared in accordance with the Angiosperm Phylogeny Group (APG IV).

**Table 2:** Current updated Taxonomic richness of Sariska Tiger Reserve (According to Angiosperm Phylogeny Group (APG IV)).

| Plant Group        | Families  | Genera     | Species    |
|--------------------|-----------|------------|------------|
| Angiosperms        | 81        | 311        | 469        |
| Dicotyledons       | 70        | 244        | 362        |
| Monocotyledons     | 11        | 67         | 107        |
| Pteridophytes      | 3         | 3          | 4          |
| Gymnosperms        | 1         | 1          | 1          |
| <b>Grand Total</b> | <b>85</b> | <b>315</b> | <b>474</b> |

The slight reduction in total species (from 476 to 474) resulted from the removal of two monocot species listed by Parmar (1985) that lacked scientific names in the original enumeration, thereby resolving minor inconsistencies in earlier species counts. The reduction in family numbers is primarily due to taxonomic realignment

under modern classification systems,  
ensuring better phylogenetic accuracy.

**Table 3:** An updated floristic checklist of Sariska Tiger Reserve.

| S. N. | Botanical Name (Accepted) with common synonym                                                                               | Family        |
|-------|-----------------------------------------------------------------------------------------------------------------------------|---------------|
| 1     | <i>Barleria cristata</i> L.                                                                                                 | Acanthaceae   |
| 2     | <i>Barleria prionitis</i> L. var. <i>dicantha</i> Blatt. & Hallb.                                                           | Acanthaceae   |
| 3     | <i>Barleria prionitis</i> L. var. <i>prionitis</i>                                                                          | Acanthaceae   |
| 4     | <i>Blepharis maderaspatensis</i> (L.) Roth                                                                                  | Acanthaceae   |
| 5     | <i>Blepharis repens</i> (Vahl) Roth                                                                                         | Acanthaceae   |
| 6     | <i>Dicliptera paniculata</i> (Forssk.) I.Darbysh. (syn. <i>Peristrophe bicalyculata</i> (Retz.) Nees)                       | Acanthaceae   |
| 7     | <i>Dicliptera verticillata</i> (Forssk.) C. Chr.                                                                            | Acanthaceae   |
| 8     | <i>Elytraria acaulis</i> (L.f.) Lindau                                                                                      | Acanthaceae   |
| 9     | <i>Eranthemum purpurascens</i> Nees                                                                                         | Acanthaceae   |
| 10    | <i>Hygrophila auriculata</i> (Schum.) Heine                                                                                 | Acanthaceae   |
| 11    | <i>Hygrophila polysperma</i> (Roxb.) T.Anderson (syn. <i>Hemiadelphis polysperma</i> (Roxb.) Nees)                          | Acanthaceae   |
| 12    | <i>Justicia adhatoda</i> L.(syn. <i>Adhatoda zeylanica</i> Medic.)                                                          | Acanthaceae   |
| 13    | <i>Justicia quinqueangularis</i> Koenig ex Roxb. var. <i>peplodes</i> (Nees) C.B. Clarke                                    | Acanthaceae   |
| 14    | <i>Lepidagathis bandraensis</i> Blatt.                                                                                      | Acanthaceae   |
| 15    | <i>Lepidagathis cristata</i> Willd.                                                                                         | Acanthaceae   |
| 16    | <i>Rostellularia procumbens</i> (L.) Nees (syn. <i>Justicia procumbens</i> L.)                                              | Acanthaceae   |
| 17    | <i>Rostellularia prostrata</i> (Roxb. ex C.B.Clarke) R.B.Majumdar (syn. <i>Justicia prostrata</i> (Roxb. ex Clarke) Gamble) | Acanthaceae   |
| 18    | <i>Ruellia patula</i> Jacq. (syn. <i>Dipteracanthus patulus</i> (Jacq.) Nees )                                              | Acanthaceae   |
| 19    | <i>Ruellia tuberosa</i> L.                                                                                                  | Acanthaceae   |
| 20    | <i>Rungia parviflora</i> Nees                                                                                               | Acanthaceae   |
| 21    | <i>Adiantum capillus-veneris</i> L.                                                                                         | Adiantaceae   |
| 22    | <i>Adiantum incisum</i> Forssk.                                                                                             | Adiantaceae   |
| 23    | <i>Trianthema portulacastrum</i> L.                                                                                         | Aizoaceae     |
| 24    | <i>Zaleya govindia</i> (Buch.-Ham. ex D. Dbn) Nair                                                                          | Aizoaceae     |
| 25    | <i>Achyranthes aspera</i> L. var. <i>argentea</i> Hook.f.                                                                   | Amaranthaceae |
| 26    | <i>Achyranthes aspera</i> L. var. <i>aspera</i>                                                                             | Amaranthaceae |
| 27    | <i>Achyranthes aspera</i> L. var. <i>porphyristachya</i> Hook.f.                                                            | Amaranthaceae |
| 28    | <i>Alternanthera paronychioides</i> A. St.-Hil.                                                                             | Amaranthaceae |
| 29    | <i>Alternanthera pungens</i> Kunth                                                                                          | Amaranthaceae |
| 30    | <i>Alternanthera sessilis</i> (L.) DC.                                                                                      | Amaranthaceae |
| 31    | <i>Amaranthus graecizans</i> L.                                                                                             | Amaranthaceae |
| 32    | <i>Amaranthus hybridus</i> L.                                                                                               | Amaranthaceae |
| 33    | <i>Amaranthus lividus</i> L.                                                                                                | Amaranthaceae |

|    |                                                                                                          |               |
|----|----------------------------------------------------------------------------------------------------------|---------------|
| 34 | <i>Amaranthus spinosus</i> L.                                                                            | Amaranthaceae |
| 35 | <i>Amaranthus tricolor</i> L.                                                                            | Amaranthaceae |
| 36 | <i>Amaranthus viridis</i> L.                                                                             | Amaranthaceae |
| 37 | <i>Celosia argentea</i> L.                                                                               | Amaranthaceae |
| 38 | <i>Chenopodium murale</i> (L.) S.Fuentes, Uotila & Borsch<br>(syn. <i>Chenopodium murale</i> L.)         | Amaranthaceae |
| 39 | <i>Chenopodium album</i> L.                                                                              | Amaranthaceae |
| 40 | <i>Digera muricata</i> (L.) Mart.                                                                        | Amaranthaceae |
| 41 | <i>Gomphrena celosioides</i> Mart.                                                                       | Amaranthaceae |
| 42 | <i>Nothosaerva brachiata</i> (L.) Wight                                                                  | Amaranthaceae |
| 43 | <i>Ourea sanguinolenta</i> (L.) Kuntze (syn. <i>Aerva sanguinolenta</i><br>(L.) Blume)                   | Amaranthaceae |
| 44 | <i>Pupalia lappacea</i> (L.) Juss.                                                                       | Amaranthaceae |
| 45 | <i>Lannea coromandelica</i> (Houtt.) Merr.                                                               | Anacardiaceae |
| 46 | <i>Mangifera indica</i> L.                                                                               | Anacardiaceae |
| 47 | <i>Searsia mysorensis</i> (G.Don) Moffett (syn. <i>Rhus mysorensis</i> G.<br>Don)                        | Anacardiaceae |
| 48 | <i>Annona squamosa</i> L.                                                                                | Annonaceae    |
| 49 | <i>Miliusa tomentosa</i> (Roxb.) Sinclair                                                                | Annonaceae    |
| 50 | <i>Calotropis procera</i> (Aiton) R. Br.                                                                 | Apocynaceae   |
| 51 | <i>Carissa carandas</i> L.                                                                               | Apocynaceae   |
| 52 | <i>Cascabela thevetia</i> (L.) Lippold (Syn. <i>Thevetia peruviana</i><br>(Pers.) K. Schum.)             | Apocynaceae   |
| 53 | <i>Ichnocarpus frutescens</i> (L.) R. Br.                                                                | Apocynaceae   |
| 54 | <i>Leptadenia pyrotechnica</i> (Forssk.) Decne.                                                          | Apocynaceae   |
| 55 | <i>Nerium oleander</i> L. (syn. <i>Nerium indicum</i> Mill.)                                             | Apocynaceae   |
| 56 | <i>Pergularia daemia</i> (Forssk.) Chiov.                                                                | Apocynaceae   |
| 57 | <i>Wattakaka volubilis</i> (L.f.) Stapf                                                                  | Apocynaceae   |
| 58 | <i>Wrightia tinctoria</i> R. Br.                                                                         | Apocynaceae   |
| 59 | <i>Cryptocoryne retorspiralis</i> (Roxb.) Kunth                                                          | Araceae       |
| 60 | <i>Lemna perpusilla</i> Torr.                                                                            | Araceae       |
| 61 | <i>Spirodela polyrhiza</i> (L.) Schleid.                                                                 | Araceae       |
| 62 | <i>Phoenix sylvestris</i> (L.) Roxb.                                                                     | Arecaceae     |
| 63 | <i>Drimys indica</i> (Roxb.) Jessop (syn. <i>Urginea indica</i> (Roxb.)<br>Kunth)                        | Asparagaceae  |
| 64 | <i>Acanthospermum hispidum</i> DC.                                                                       | Asteraceae    |
| 65 | <i>Ageratum conyzoides</i> L.                                                                            | Asteraceae    |
| 66 | <i>Baccharoides anthelmintica</i> (L.) Moench (syn. <i>Vernonia</i><br><i>anthelmintica</i> (L.) Willd.) | Asteraceae    |
| 67 | <i>Bidens biternata</i> (Lour.) Merr. & Sherff                                                           | Asteraceae    |
| 68 | <i>Blainvillea acmella</i> (L.) Philip.                                                                  | Asteraceae    |
| 69 | <i>Blumea axillaris</i> (Lam.) DC.                                                                       | Asteraceae    |
| 70 | <i>Blumea lacera</i> (Burm.f.) DC.                                                                       | Asteraceae    |
| 71 | <i>Blumea sinuata</i> (Lour.) Merr.                                                                      | Asteraceae    |
| 72 | <i>Blumea stricta</i> (DC.) Anderb. & Bengtson                                                           | Asteraceae    |
| 73 | <i>Carthamus oxyacantha</i> M. Bieb.                                                                     | Asteraceae    |
| 74 | <i>Cotula hemisphaerica</i> Wall. ex C.B.Clarke                                                          | Asteraceae    |

|     |                                                                                                                               |                 |
|-----|-------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 75  | <i>Cyanthillium cinereum</i> (L.) H. Rob. (syn. <i>Vernonia cinerea</i> (L.) Less. )                                          | Asteraceae      |
| 76  | <i>Dicoma tomentosa</i> Cass.                                                                                                 | Asteraceae      |
| 77  | <i>Echinops echinatus</i> Roxb.                                                                                               | Asteraceae      |
| 78  | <i>Eclipta prostrata</i> (L.) L. (syn. <i>Eclipta alba</i> (L.) Hassk. )                                                      | Asteraceae      |
| 79  | <i>Emilia sonchifolia</i> (L.) DC.                                                                                            | Asteraceae      |
| 80  | <i>Glossocardia bosvallia</i> (L. f.) DC.                                                                                     | Asteraceae      |
| 81  | <i>Gnaphalium polycaulon</i> Pers.                                                                                            | Asteraceae      |
| 82  | <i>Gnomophalium pulvinatum</i> (Delile) Greuter                                                                               | Asteraceae      |
| 83  | <i>Grangea maderaspatana</i> (L.) Poir.                                                                                       | Asteraceae      |
| 84  | <i>Lactuca runcinata</i> DC.                                                                                                  | Asteraceae      |
| 85  | <i>Launaea procumbens</i> (Roxb.) Ramayya & Rajagopal                                                                         | Asteraceae      |
| 86  | <i>Pluchea paniculata</i> var. <i>paniculata</i>                                                                              | Asteraceae      |
| 87  | <i>Pulicaria angustifolia</i> DC.                                                                                             | Asteraceae      |
| 88  | <i>Pulicaria crispa</i> (Forssk.) Benth. & Hook. f.                                                                           | Asteraceae      |
| 89  | <i>Sonchus asper</i> (L.) Hill                                                                                                | Asteraceae      |
| 90  | <i>Tridax procumbens</i> L.                                                                                                   | Asteraceae      |
| 91  | <i>Verbesina encelioides</i> (Cav.) Benth. & Hook. ex Gray                                                                    | Asteraceae      |
| 92  | <i>Vicoa indica</i> (L.) DC.                                                                                                  | Asteraceae      |
| 93  | <i>Xanthium strumarium</i> L.                                                                                                 | Asteraceae      |
| 94  | <i>Basella alba</i> L. (syn. <i>Basella rubra</i> L.)                                                                         | Basellaceae     |
| 95  | <i>Kigelia africana</i> (Lam.) Benth.                                                                                         | Bignoniaceae    |
| 96  | <i>Tecomella undulata</i> (Sm.) Seem.                                                                                         | Bignoniaceae    |
| 97  | <i>Coldenia procumbens</i> L.                                                                                                 | Boraginaceae    |
| 98  | <i>Cordia dichotoma</i> G. Forst.                                                                                             | Boraginaceae    |
| 99  | <i>Echiochilon pauciflorum</i> (Stocks ex Wight) Långström & M.W. Chase (syn. <i>Sericostoma pauciflorum</i> Stocks ex Wight) | Boraginaceae    |
| 100 | <i>Ehretia aspera</i> Roxb.                                                                                                   | Boraginaceae    |
| 101 | <i>Ehretia laevis</i> Roxb.                                                                                                   | Boraginaceae    |
| 102 | <i>Euploca ovalifolia</i> (Forssk.) Diane & Hilger (syn. <i>Heliotropium ovalifolium</i> Forssk.)                             | Boraginaceae    |
| 103 | <i>Euploca strigosa</i> (Willd.) Diane & Hilger (syn. <i>Heliotropium strigosum</i> Willd.)                                   | Boraginaceae    |
| 104 | <i>Heliotropium ellipticum</i> Ledeb.                                                                                         | Boraginaceae    |
| 105 | <i>Trichodesma indica</i> (L.) R. Br.                                                                                         | Boraginaceae    |
| 106 | <i>Boswellia serrata</i> Roxb. ex Colebr.                                                                                     | Burseraceae     |
| 107 | <i>Commiphora wightii</i> (Arn.) Bhandari                                                                                     | Burseraceae     |
| 108 | <i>Opuntia elatior</i> Mill.                                                                                                  | Cactaceae       |
| 109 | <i>Campanula dimorphantha</i> Schweinf. (syn. <i>Campanula benthamii</i> Wall. ex Kitam. )                                    | Campanulaceae   |
| 110 | <i>Trema orientale</i> (L.) Blume                                                                                             | Cannabaceae     |
| 111 | <i>Capparis decidua</i> (Forssk.) Edgew.                                                                                      | Capparaceae     |
| 112 | <i>Capparis sepiaria</i> L.                                                                                                   | Capparaceae     |
| 113 | <i>Crataeva adansonii</i> DC. subsp. <i>odora</i> (Buch.-Ham.) Jacobs                                                         | Capparaceae     |
| 114 | <i>Maerua arenaria</i> (DC.) Hook. f. & Thomson                                                                               | Capparaceae     |
| 115 | <i>Polycarpaea corymbosa</i> (L.) Lam.                                                                                        | Caryophyllaceae |

|     |                                                                                                                         |                  |
|-----|-------------------------------------------------------------------------------------------------------------------------|------------------|
| 116 | <i>Spergula fallax</i> (Lowe) Krause                                                                                    | Caryophyllaceae  |
| 117 | <i>Celastrus paniculatus</i> Willd.                                                                                     | Celastraceae     |
| 118 | <i>Gymnosporia emarginata</i> (Willd.) Thwaites (syn. <i>Maytenus emarginata</i> (Willd.) Ding Hou)                     | Celastraceae     |
| 119 | <i>Gymnosporia senegalensis</i> (Lam.) Loes.                                                                            | Celastraceae     |
| 120 | <i>Ceratophyllum demersum</i> L.                                                                                        | Ceratophyllaceae |
| 121 | <i>Terminalia anogeissiana</i> Gere & Boatwr. (syn. <i>Anogeissus latifolia</i> (Roxb. ex DC.) Wall. ex Guill. & Perr.) | Combretaceae     |
| 122 | <i>Terminalia arjuna</i> (Roxb. ex DC.) Wight & Arn.                                                                    | Combretaceae     |
| 123 | <i>Terminalia bellirica</i> (Gaertn.) Roxb.                                                                             | Combretaceae     |
| 124 | <i>Terminalia coronata</i> (Stapf) Gere & Boatwr. (syn. <i>Anogeissus sericea</i> Brandis var. <i>nummularia</i> )      | Combretaceae     |
| 125 | <i>Terminalia pendula</i> (Edgew.) Gere & Boatwr. (syn. <i>Anogeissus pendula</i> Edgew.)                               | Combretaceae     |
| 126 | <i>Commelina benghalensis</i> L.                                                                                        | Commelinaceae    |
| 127 | <i>Commelina erecta</i> L.                                                                                              | Commelinaceae    |
| 128 | <i>Cyanotis cristata</i> (L.) D. Don                                                                                    | Commelinaceae    |
| 129 | <i>Murdannia nudiflora</i> (L.) Brenan                                                                                  | Commelinaceae    |
| 130 | <i>Convolvulus prostratus</i> Forssk.                                                                                   | Convolvulaceae   |
| 131 | <i>Cuscuta hyalina</i> Roth                                                                                             | Convolvulaceae   |
| 132 | <i>Ipomoea carnea</i> Jacq. subsp. <i>fistulosa</i> (Mart. ex Choisy) D.F. Austin                                       | Convolvulaceae   |
| 133 | <i>Ipomoea eriocarpa</i> R.Br. (syn. <i>Ipomoea sindica</i> Stapf)                                                      | Convolvulaceae   |
| 134 | <i>Ipomoea muricata</i> (L.) Jacq.                                                                                      | Convolvulaceae   |
| 135 | <i>Ipomoea nil</i> (L.) Roth                                                                                            | Convolvulaceae   |
| 136 | <i>Ipomoea obscura</i> (L.) Ker-Gawl.                                                                                   | Convolvulaceae   |
| 137 | <i>Ipomoea pes-tigridis</i> L.                                                                                          | Convolvulaceae   |
| 138 | <i>Ipomoea sepiaria</i> Roxb.                                                                                           | Convolvulaceae   |
| 139 | <i>Merremia tridentata</i> (L.) Hall. f. subsp. <i>tridentata</i>                                                       | Convolvulaceae   |
| 140 | <i>Rivea hypocrateriformis</i> (Desr.) Choisy                                                                           | Convolvulaceae   |
| 141 | <i>Rivea ornata</i> (Roxb.) Choisy (syn. <i>Rivea laotica</i> Ooststr.)                                                 | Convolvulaceae   |
| 142 | <i>Alangium salvifolium</i> (L.f.) Wangerin                                                                             | Cornaceae        |
| 143 | <i>Coccinia grandis</i> (L.) Voigt                                                                                      | Cucurbitaceae    |
| 144 | <i>Ctenolepis garcinii</i> (L.) C.B. Clarke                                                                             | Cucurbitaceae    |
| 145 | <i>Cucumis maderaspatanus</i> L. (syn. <i>Melothria maderaspatana</i> (L.) Cogn.)                                       | Cucurbitaceae    |
| 146 | <i>Cucumis melo</i> subsp. <i>melo</i> (syn. <i>Cucumis callosus</i> (Rottler) Cogn.)                                   | Cucurbitaceae    |
| 147 | <i>Dactyliandra welwitschii</i> Hook. f.                                                                                | Cucurbitaceae    |
| 148 | <i>Diplocyclos palmatus</i> subsp. <i>palmatus</i> (syn. <i>Bryonopsis laciniosa</i> (L.) Naudin )                      | Cucurbitaceae    |
| 149 | <i>Luffa acutangula</i> (L.) Roxb. (syn. <i>Luffa acutangula</i> (L.) Roxb. var. <i>amara</i> )                         | Cucurbitaceae    |
| 150 | <i>Momordica balsamina</i> L.                                                                                           | Cucurbitaceae    |
| 151 | <i>Momordica charantia</i> subsp. <i>charantia</i>                                                                      | Cucurbitaceae    |

|     |                                                                                                                                |               |
|-----|--------------------------------------------------------------------------------------------------------------------------------|---------------|
| 152 | <i>Momordica dioica</i> Roxb. ex Willd.                                                                                        | Cucurbitaceae |
| 153 | <i>Trichosanthes cordata</i> Roxb.                                                                                             | Cucurbitaceae |
| 154 | <i>Trichosanthes cucumerina</i> L.                                                                                             | Cucurbitaceae |
| 155 | <i>Trichosanthes tricuspidata</i> Lour.                                                                                        | Cucurbitaceae |
| 156 | <i>Bolboschoenus maritimus</i> subsp. <i>affinis</i> (Roth) T.Koyama<br>(syn. <i>Scirpus affinis</i> Roth)                     | Cyperaceae    |
| 157 | <i>Bulbostylis barbata</i> (Rottb.) Clarke                                                                                     | Cyperaceae    |
| 158 | <i>Bulbostylis densa</i> (Wall.) Hand.-Mazz.                                                                                   | Cyperaceae    |
| 159 | <i>Cyperus alopecuroides</i> Rottb.                                                                                            | Cyperaceae    |
| 160 | <i>Cyperus alulatus</i> Kern                                                                                                   | Cyperaceae    |
| 161 | <i>Cyperus benghalensis</i> Spreng.                                                                                            | Cyperaceae    |
| 162 | <i>Cyperus brevifolius</i> (Rottb.) Hassk. (syn. <i>Kyllinga brevifolia</i> Rottb.)                                            | Cyperaceae    |
| 163 | <i>Cyperus compressus</i> L.                                                                                                   | Cyperaceae    |
| 164 | <i>Cyperus flavescens</i> L.                                                                                                   | Cyperaceae    |
| 165 | <i>Cyperus laevigatus</i> L.                                                                                                   | Cyperaceae    |
| 166 | <i>Cyperus michelianus</i> subsp. <i>pygmaeus</i> (Rottb.) (syn. <i>Cyperus pygmaeus</i> Rottb.)                               | Cyperaceae    |
| 167 | <i>Cyperus mindorensis</i> (Steud.) Huygh (syn. <i>Kyllinga nemoralis</i> (J.R. Forst. & G. Forst.) Dandy ex Hutch. & Dalziel) | Cyperaceae    |
| 168 | <i>Cyperus nutans</i> Vahl var. <i>eleusinoides</i> (Kunth) Haines                                                             | Cyperaceae    |
| 169 | <i>Cyperus pangorei</i> Rottb.                                                                                                 | Cyperaceae    |
| 170 | <i>Cyperus richardii</i> Steud. (syn. <i>Kyllinga bulbosa</i> P. Beauv.)                                                       | Cyperaceae    |
| 171 | <i>Cyperus rotundus</i> L.                                                                                                     | Cyperaceae    |
| 172 | <i>Eleocharis dulcis</i> (Burm.f.) Trin. ex Henschel                                                                           | Cyperaceae    |
| 173 | <i>Erioscirpus comosus</i> (Wall.) Palla (syn. <i>Eriophorum comosum</i> (Wall.) Nees)                                         | Cyperaceae    |
| 174 | <i>Fimbristylis bisumbellata</i> (Forssk.) Bubani                                                                              | Cyperaceae    |
| 175 | <i>Fimbristylis ferruginea</i> (L.) Vahl                                                                                       | Cyperaceae    |
| 176 | <i>Fimbristylis quinquangularis</i> subsp. <i>quinquangularis</i> (syn. <i>Fimbristylis miliacea</i> (L.) Vahl)                | Cyperaceae    |
| 177 | <i>Schoenoplectiella roylei</i> (Nees) Lye                                                                                     | Cyperaceae    |
| 178 | <i>Schoenoplectus litoralis</i> (Schrاد.) Palla (syn. <i>Scirpus litoralis</i> Schrad.)                                        | Cyperaceae    |
| 179 | <i>Diospyros melanoxylon</i> Roxb.                                                                                             | Ebenaceae     |
| 180 | <i>Bergia aestivalis</i> (Wight) Steud.                                                                                        | Elatinaceae   |
| 181 | <i>Equisetum ramosissimum</i> Desf.                                                                                            | Equisetaceae  |
| 182 | <i>Acalypha ciliata</i> Forssk.                                                                                                | Euphorbiaceae |
| 183 | <i>Acalypha indica</i> L.                                                                                                      | Euphorbiaceae |
| 184 | <i>Chrozophora rottleri</i> (Geis.) Juss. ex Spreng.                                                                           | Euphorbiaceae |
| 185 | <i>Croton bonplandianus</i> Baill.                                                                                             | Euphorbiaceae |
| 186 | <i>Euphorbia caducifolia</i> Haines                                                                                            | Euphorbiaceae |
| 187 | <i>Euphorbia dracunculoides</i> Lam.                                                                                           | Euphorbiaceae |
| 188 | <i>Euphorbia heterophylla</i> L.                                                                                               | Euphorbiaceae |

|     |                                                                                                   |               |
|-----|---------------------------------------------------------------------------------------------------|---------------|
| 189 | <i>Euphorbia hirta</i> L.                                                                         | Euphorbiaceae |
| 190 | <i>Euphorbia hypericifolia</i> L.                                                                 | Euphorbiaceae |
| 191 | <i>Euphorbia nivulia</i> Buch.-Ham.                                                               | Euphorbiaceae |
| 192 | <i>Euphorbia prostrata</i> Aiton                                                                  | Euphorbiaceae |
| 193 | <i>Euphorbia thymifolia</i> L.                                                                    | Euphorbiaceae |
| 194 | <i>Mallotus philippensis</i> (Lam.) Müll.-Arg.                                                    | Euphorbiaceae |
| 195 | <i>Ricinus communis</i> L.                                                                        | Euphorbiaceae |
| 196 | <i>Abrus precatorius</i> L.                                                                       | Fabaceae      |
| 197 | <i>Acacia catechu</i> (L.f.) Willd.                                                               | Fabaceae      |
| 198 | <i>Acacia senegal</i> (L.) Willd.                                                                 | Fabaceae      |
| 199 | <i>Aeschynomene indica</i> L.                                                                     | Fabaceae      |
| 200 | <i>Albizia lebbeck</i> (L.) Benth.                                                                | Fabaceae      |
| 201 | <i>Alysicarpus hamosus</i> Edgew.                                                                 | Fabaceae      |
| 202 | <i>Alysicarpus monilifer</i> (L.) DC.                                                             | Fabaceae      |
| 203 | <i>Alysicarpus tetragonolobus</i> Edgew.                                                          | Fabaceae      |
| 204 | <i>Alysicarpus vaginalis</i> (L.) DC.                                                             | Fabaceae      |
| 205 | <i>Bauhinia racemosa</i> Lam.                                                                     | Fabaceae      |
| 206 | <i>Butea monosperma</i> (Lam.) Taub.                                                              | Fabaceae      |
| 207 | <i>Cassia alba</i> L.*                                                                            | Fabaceae      |
| 208 | <i>Cassia fistula</i> L.                                                                          | Fabaceae      |
| 209 | <i>Chamaecrista mimosoides</i> (L.) Greene                                                        | Fabaceae      |
| 210 | <i>Chamaecrista pumila</i> (Lam.) V.Singh (syn. <i>Cassia pumila</i> Lam.)                        | Fabaceae      |
| 211 | <i>Crotalaria hirsuta</i> Willd.                                                                  | Fabaceae      |
| 212 | <i>Crotalaria medicaginea</i> Lam.                                                                | Fabaceae      |
| 213 | <i>Cullen plicatum</i> (Delile) C.H.Stirt. (syn. <i>Psoralea odorata</i> Blatt. & Hallb.)         | Fabaceae      |
| 214 | <i>Dalbergia sissoo</i> Roxb.                                                                     | Fabaceae      |
| 215 | <i>Dichrostachys cinerea</i> (L.) Wight & Arn.                                                    | Fabaceae      |
| 216 | <i>Erythrina suberosa</i> Roxb.                                                                   | Fabaceae      |
| 217 | <i>Grona triflora</i> (L.) H.Ohashi & K.Ohashi (syn. <i>Desmodium triflorum</i> (L.) DC.)         | Fabaceae      |
| 218 | <i>Hylodesmum repandum</i> (Vahl) H.Ohashi & R.R.Mill (syn. <i>Desmodium repandum</i> (Vahl) DC.) | Fabaceae      |
| 219 | <i>Indigofera astragalina</i> DC.                                                                 | Fabaceae      |
| 220 | <i>Indigofera cordifolia</i> Heyne ex Roth                                                        | Fabaceae      |
| 221 | <i>Indigofera linnaei</i> Ali                                                                     | Fabaceae      |
| 222 | <i>Indigofera tinctoria</i> L.                                                                    | Fabaceae      |
| 223 | <i>Indigofera trifoliata</i> L.                                                                   | Fabaceae      |
| 224 | <i>Indigofera trita</i> L.f.                                                                      | Fabaceae      |
| 225 | <i>Lysiloma latisiliquum</i> (L.) Benth.                                                          | Fabaceae      |
| 226 | <i>Medicago polymorpha</i> L.                                                                     | Fabaceae      |
| 227 | <i>Mimosa hamata</i> Willd.                                                                       | Fabaceae      |
| 228 | <i>Mimosa himalayana</i> Gamble                                                                   | Fabaceae      |
| 229 | <i>Mucuna pruriens</i> (L.) DC.                                                                   | Fabaceae      |
| 230 | <i>Neltuma juliflora</i> (Sw.) Raf.                                                               | Fabaceae      |
| 231 | <i>Parkinsonia aculeata</i> L.                                                                    | Fabaceae      |

|     |                                                                                                                                                        |                  |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 232 | <i>Pleurolobus gangeticus</i> (L.) J.St.-Hil. ex H.Ohashi & K.Ohashi (syn. <i>Desmodium gangeticum</i> (L.) DC.)                                       | Fabaceae         |
| 233 | <i>Polhillides velutina</i> (Willd.) H.Ohashi & K.Ohashi (syn. <i>Desmodium velutinum</i> (Willd.) DC.)                                                | Fabaceae         |
| 234 | <i>Prosopis cineraria</i> (L.) Druce                                                                                                                   | Fabaceae         |
| 235 | <i>Rhynchosia bracteata</i> Baker                                                                                                                      | Fabaceae         |
| 236 | <i>Rhynchosia minima</i> (L.) DC. var. <i>laxiflora</i> (Cambess.) Baker                                                                               | Fabaceae         |
| 237 | <i>Rhynchosia rothii</i> Benth. ex Aitch.                                                                                                              | Fabaceae         |
| 238 | <i>Senna obtusifolia</i> (L.) H.S. Irwin & Barneby (syn. <i>Cassia obtusifolia</i> L.)                                                                 | Fabaceae         |
| 239 | <i>Sesbania sesban</i> (L.) Merr.                                                                                                                      | Fabaceae         |
| 240 | <i>Tamarindus indica</i> L.                                                                                                                            | Fabaceae         |
| 241 | <i>Tephrosia candida</i> (Roxb.) DC.                                                                                                                   | Fabaceae         |
| 242 | <i>Tephrosia pumila</i> (Lam.) Pers.                                                                                                                   | Fabaceae         |
| 243 | <i>Tephrosia strigosa</i> (Dalzell) Santapau & Maheshwari                                                                                              | Fabaceae         |
| 244 | <i>Tephrosia subtriflora</i> Hochst. ex Baker                                                                                                          | Fabaceae         |
| 245 | <i>Tephrosia villosa</i> (L.) Pers.                                                                                                                    | Fabaceae         |
| 246 | <i>Vachellia jacquemontii</i> (Benth.) Ali                                                                                                             | Fabaceae         |
| 247 | <i>Vachellia leucophloea</i> (Roxb.) Maslin, Seigler & Ebinger                                                                                         | Fabaceae         |
| 248 | <i>Vachellia nilotica</i> subsp. <i>cupressiformis</i> (J.L.Stewart) Ali                                                                               | Fabaceae         |
| 249 | <i>Vachellia nilotica</i> subsp. <i>indica</i> (Benth.) Kyal. & Boatwr. (syn. <i>Acacia nilotica</i> (L.) Delile subsp. <i>indica</i> (Benth.) Brenan) | Fabaceae         |
| 250 | <i>Vigna radiata</i> (L.) R. Wilczek                                                                                                                   | Fabaceae         |
| 251 | <i>Vigna unguiculata</i> (L.) Walp. subsp. <i>unguiculata</i>                                                                                          | Fabaceae         |
| 252 | <i>Zornia gibbosa</i> Span.                                                                                                                            | Fabaceae         |
| 253 | <i>Hydrilla verticillata</i> (L.f.) Royle                                                                                                              | Hydrocharitaceae |
| 254 | <i>Ottelia alismoides</i> (L.) Pers.                                                                                                                   | Hydrocharitaceae |
| 255 | <i>Vallisneria spiralis</i> L. var. <i>denseserrulata</i> Makino                                                                                       | Hydrocharitaceae |
| 256 | <i>Anisomeles indica</i> (L.) Kuntze                                                                                                                   | Lamiaceae        |
| 257 | <i>Clerodendrum phlomidis</i> L.f.                                                                                                                     | Lamiaceae        |
| 258 | <i>Colebrookea oppositifolia</i> Sm.                                                                                                                   | Lamiaceae        |
| 259 | <i>Coleus strobilifer</i> (Roxb.) A.J.Paton (syn. <i>Anisochilus carnosus</i> (L.f.) Wall. ex Benth.)                                                  | Lamiaceae        |
| 260 | <i>Gmelina arborea</i> Roxb.                                                                                                                           | Lamiaceae        |
| 261 | <i>Leucas cephalotes</i> (Roth) Spreng.                                                                                                                | Lamiaceae        |
| 262 | <i>Leucas decemdentata</i> var. <i>decemdentata</i> (syn. <i>Leucas flaccida</i> R. Br.)                                                               | Lamiaceae        |
| 263 | <i>Leucas montana</i> Spreng.                                                                                                                          | Lamiaceae        |
| 264 | <i>Leucas pilosa</i> Benth.                                                                                                                            | Lamiaceae        |
| 265 | <i>Leucas urticifolia</i> (Vahl) Sm.                                                                                                                   | Lamiaceae        |
| 266 | <i>Ocimum americanum</i> L. (syn. <i>Ocimum canum</i> Sims)                                                                                            | Lamiaceae        |
| 267 | <i>Ocimum basilicum</i> L.                                                                                                                             | Lamiaceae        |
| 268 | <i>Ocimum tenuiflorum</i> L.                                                                                                                           | Lamiaceae        |
| 269 | <i>Vitex negundo</i> L.                                                                                                                                | Lamiaceae        |
| 270 | <i>Bonnaya ciliata</i> (Colsm.) Spreng.                                                                                                                | Linderniaceae    |

|     |                                                                                                               |                |
|-----|---------------------------------------------------------------------------------------------------------------|----------------|
| 271 | <i>Lindernia multiflora</i> (Roxb.) Mukerjee                                                                  | Linderniaceae  |
| 272 | <i>Torenia crustacea</i> (L.) Cham. & Schltdl.                                                                | Linderniaceae  |
| 273 | <i>Dendrophthoe falcata</i> (L.f.) Ettingsh.                                                                  | Loranthaceae   |
| 274 | <i>Ammannia baccifera</i> L.                                                                                  | Lythraceae     |
| 275 | <i>Ammannia multiflora</i> Roxb.                                                                              | Lythraceae     |
| 276 | <i>Trapa natans</i> L. var. <i>bispinosa</i> (Roxb.) Makino                                                   | Lythraceae     |
| 277 | <i>Woodfordia fruticosa</i> (L.) Kurz                                                                         | Lythraceae     |
| 278 | <i>Abelmoschus manihot</i> var. <i>pungens</i> (Roxb.) Hochr. (syn. <i>Abelmoschus pungens</i> (Roxb.) Voigt) | Malvaceae      |
| 279 | <i>Abutilon bidentatum</i> (Hochst.) A.Rich                                                                   | Malvaceae      |
| 280 | <i>Abutilon indicum</i> (L.) Sweet                                                                            | Malvaceae      |
| 281 | <i>Abutilon pannosum</i> (G. Forst.) Schltdl.                                                                 | Malvaceae      |
| 282 | <i>Abutilon ramosum</i> (Cav.) Guill. & Perr.                                                                 | Malvaceae      |
| 283 | <i>Bombax ceiba</i> L.                                                                                        | Malvaceae      |
| 284 | <i>Corchorus aestuans</i> L.                                                                                  | Malvaceae      |
| 285 | <i>Corchorus depressus</i> (L.) Peterm.                                                                       | Malvaceae      |
| 286 | <i>Corchorus olitorius</i> L.                                                                                 | Malvaceae      |
| 287 | <i>Corchorus trilocularis</i> L.                                                                              | Malvaceae      |
| 288 | <i>Grewia asiatica</i> L. (syn. <i>Grewia subinaequalis</i> DC.)                                              | Malvaceae      |
| 289 | <i>Grewia flavescens</i> A. Juss.                                                                             | Malvaceae      |
| 290 | <i>Grewia tiliifolia</i> Vahl (syn. <i>Grewia damine</i> Gaertn.)                                             | Malvaceae      |
| 291 | <i>Helicteres isora</i> L.                                                                                    | Malvaceae      |
| 292 | <i>Hibiscus lobatus</i> (Murray) Kuntze                                                                       | Malvaceae      |
| 293 | <i>Hibiscus micranthus</i> L.f.                                                                               | Malvaceae      |
| 294 | <i>Hibiscus vitifolius</i> L.                                                                                 | Malvaceae      |
| 295 | <i>Kydia calycina</i> Roxb.                                                                                   | Malvaceae      |
| 296 | <i>Malvastrum coromandelianum</i> (L.) Garcke                                                                 | Malvaceae      |
| 297 | <i>Melhania futteyporensis</i> Munro ex Mast.                                                                 | Malvaceae      |
| 298 | <i>Pavonia zeylanica</i> Cav.                                                                                 | Malvaceae      |
| 299 | <i>Sida acuta</i> Burm.f.                                                                                     | Malvaceae      |
| 300 | <i>Sida cordifolia</i> L.                                                                                     | Malvaceae      |
| 301 | <i>Sida mysorensis</i> Wight & Arn.                                                                           | Malvaceae      |
| 302 | <i>Sida rhombifolia</i> L.                                                                                    | Malvaceae      |
| 303 | <i>Sida yunnanensis</i> Hu                                                                                    | Malvaceae      |
| 304 | <i>Sterculia urens</i> Roxb.                                                                                  | Malvaceae      |
| 305 | <i>Triumfetta pentandra</i> A. Rich.                                                                          | Malvaceae      |
| 306 | <i>Waltheria indica</i> L. (syn. <i>Melochia corchorifolia</i> L.)                                            | Malvaceae      |
| 307 | <i>Martynia annua</i> L.                                                                                      | Martyniaceae   |
| 308 | <i>Azadirachta indica</i> A. Juss.                                                                            | Meliaceae      |
| 309 | <i>Melia azedarach</i> L.                                                                                     | Meliaceae      |
| 310 | <i>Soymida febrifuga</i> (Roxb.) A. Juss.                                                                     | Meliaceae      |
| 311 | <i>Cissampelos pareira</i> L.                                                                                 | Menispermaceae |
| 312 | <i>Cocculus hirsutus</i> (L.) W.Theob.                                                                        | Menispermaceae |
| 313 | <i>Nymphoides hydrophyllum</i> (Lour.) Kuntze (syn. <i>Nymphoides cristata</i> (Roxb.) Kuntze )               | Menyanthaceae  |
| 314 | <i>Glinus lotoides</i> L.                                                                                     | Molluginaceae  |

|     |                                                                                                               |                |
|-----|---------------------------------------------------------------------------------------------------------------|----------------|
| 315 | <i>Glinus oppositifolius</i> (L.) DC.                                                                         | Molluginaceae  |
| 316 | <i>Ficus benghalensis</i> L.                                                                                  | Moraceae       |
| 317 | <i>Ficus lacor</i> Buch.-Ham. (syn. <i>Ficus infectoria</i> Roxb.)                                            | Moraceae       |
| 318 | <i>Ficus mollis</i> Vahl (syn. <i>Ficus tomentosa</i> Roxb. ex Willd.)                                        | Moraceae       |
| 319 | <i>Ficus palmata</i> Forssk.                                                                                  | Moraceae       |
| 320 | <i>Ficus racemosa</i> L.                                                                                      | Moraceae       |
| 321 | <i>Ficus virens</i> var. <i>virens</i> (syn. <i>Ficus infectoria</i> var. <i>wightiana</i> (Miq.) King)       | Moraceae       |
| 322 | <i>Morus alba</i> L.                                                                                          | Moraceae       |
| 323 | <i>Moringa oleifera</i> Lam. (syn. <i>Moringa pterygosperma</i> Gaertn.)                                      | Moringaceae    |
| 324 | <i>Syzygium cumini</i> (L.) Skeels                                                                            | Myrtaceae      |
| 325 | <i>Nelumbo nucifera</i> Gaertn.                                                                               | Nelumbonaceae  |
| 326 | <i>Boerhavia diffusa</i> L.                                                                                   | Nyctaginaceae  |
| 327 | <i>Commicarpus boissieri</i> (Heimerl) Cufod.                                                                 | Nyctaginaceae  |
| 328 | <i>Commicarpus chinensis</i> (L.) Heimerl                                                                     | Nyctaginaceae  |
| 329 | <i>Nyctanthes arbor-tristis</i> L.                                                                            | Oleaceae       |
| 330 | <i>Schrebera swietenoides</i> Roxb.                                                                           | Oleaceae       |
| 331 | <i>Ludwigia hyssopifolia</i> (G. Don) Exell                                                                   | Onagraceae     |
| 332 | <i>Ludwigia perennis</i> L.                                                                                   | Onagraceae     |
| 333 | <i>Ludwigia prostrata</i> Roxb.                                                                               | Onagraceae     |
| 334 | <i>Lindenbergia muraria</i> (Roxb. ex D. Don) Bruhl                                                           | Orobanchaceae  |
| 335 | <i>Lindenbergia indica</i> (L.) Vatke                                                                         | Orobanchaceae  |
| 336 | <i>Striga angustifolia</i> (D. Don) Saldanha                                                                  | Orobanchaceae  |
| 337 | <i>Oxalis corniculata</i> L.                                                                                  | Oxalidaceae    |
| 338 | <i>Pandanus odorifer</i> (Forssk.) Kuntze (syn. <i>Pandanus odoratissimus</i> L.f.)                           | Pandanaceae    |
| 339 | <i>Argemone mexicana</i> L.                                                                                   | Papaveraceae   |
| 340 | <i>Argemone ochroleuca</i> Sweet                                                                              | Papaveraceae   |
| 341 | <i>Passiflora foetida</i> L.                                                                                  | Passifloraceae |
| 342 | <i>Pedaliium murex</i> L.                                                                                     | Pedaliaceae    |
| 343 | <i>Sesamum mulayanum</i> Nair                                                                                 | Pedaliaceae    |
| 344 | <i>Mimulus strictus</i> Benth.                                                                                | Phrymaceae     |
| 345 | <i>Bridelia retusa</i> (L.) A.Juss.                                                                           | Phyllanthaceae |
| 346 | <i>Flueggea leucopyrus</i> Willd.                                                                             | Phyllanthaceae |
| 347 | <i>Phyllanthus amarus</i> Schumach. & Thonn.                                                                  | Phyllanthaceae |
| 348 | <i>Phyllanthus emblica</i> L.                                                                                 | Phyllanthaceae |
| 349 | <i>Phyllanthus virgatus</i> G. Forst.                                                                         | Phyllanthaceae |
| 350 | <i>Pinus roxburghii</i> Sarg.                                                                                 | Pinaceae       |
| 351 | <i>Bacopa monnieri</i> (L.) Pennell                                                                           | Plantaginaceae |
| 352 | <i>Limnophila indica</i> (L.) Druce                                                                           | Plantaginaceae |
| 353 | <i>Limnophila rugosa</i> (Roth) Merr.                                                                         | Plantaginaceae |
| 354 | <i>Nanorrhinum ramosissimum</i> (Wall.) Betsche (syn. <i>Kickxia ramosissima</i> (Wall.) Janch.)              | Plantaginaceae |
| 355 | <i>Veronica anagallis-aquatica</i> L.                                                                         | Plantaginaceae |
| 356 | <i>Plumbago arabica</i> (Boiss.) Christenh. & Byng (syn. <i>Dyerophytum indicum</i> (Gibson ex Wight) Kuntze) | Plumbaginaceae |

|     |                                                                                                   |                |
|-----|---------------------------------------------------------------------------------------------------|----------------|
| 357 | <i>Plumbago zeylanica</i> L.                                                                      | Plumbaginaceae |
| 358 | <i>Alloteropsis cimicina</i> (L.) Stapf                                                           | Poaceae        |
| 359 | <i>Apluda mutica</i> L.                                                                           | Poaceae        |
| 360 | <i>Aristida adscensionis</i> L.                                                                   | Poaceae        |
| 361 | <i>Aristida funiculata</i> Trin. & Rupr.                                                          | Poaceae        |
| 362 | <i>Arthraxon lanceolatus</i> (Roxb.) Hochst.                                                      | Poaceae        |
| 363 | <i>Arthraxon lancifolius</i> (Trin.) Hochst.                                                      | Poaceae        |
| 364 | <i>Bothriochloa pertusa</i> (L.) A. Camus                                                         | Poaceae        |
| 365 | <i>Cenchrus orientalis</i> (L.) Morrone (syn. <i>Pennisetum orientale</i> Rich)                   | Poaceae        |
| 366 | <i>Cenchrus pedicellatus</i> (Trin.) Morrone (syn. <i>Pennisetum pedicellatum</i> Trin.)          | Poaceae        |
| 367 | <i>Cenchrus pennisetiformis</i> Steud.                                                            | Poaceae        |
| 368 | <i>Cenchrus setigerus</i> Vahl                                                                    | Poaceae        |
| 369 | <i>Chloris virgata</i> Sw.                                                                        | Poaceae        |
| 370 | <i>Chrysopogon zizanioides</i> (L.) Roberty (syn. <i>Vetiveria zizanioides</i> (L.) Nash)         | Poaceae        |
| 371 | <i>Cymbopogon martini</i> (Roxb.) W. Watson                                                       | Poaceae        |
| 372 | <i>Cynodon dactylon</i> (L.) Pers.                                                                | Poaceae        |
| 373 | <i>Dactyloctenium aegyptium</i> (L.) Willd.                                                       | Poaceae        |
| 374 | <i>Dactyloctenium indicum</i> Boiss.                                                              | Poaceae        |
| 375 | <i>Dendrocalamus strictus</i> (Roxb.) Nees                                                        | Poaceae        |
| 376 | <i>Dichanthium annulatum</i> (Forssk.) Stapf                                                      | Poaceae        |
| 377 | <i>Dichanthium foveolatum</i> (Del.) Roberty                                                      | Poaceae        |
| 378 | <i>Digitaria abludens</i> (Roem. & Schult.) Veldkamp                                              | Poaceae        |
| 379 | <i>Digitaria bicornis</i> (Lam.) Roem. & Schult.                                                  | Poaceae        |
| 380 | <i>Digitaria ciliaris</i> (Retz.) Koeler                                                          | Poaceae        |
| 381 | <i>Echinochloa colona</i> (L.) Link                                                               | Poaceae        |
| 382 | <i>Eleusine indica</i> (L.) Gaertn.                                                               | Poaceae        |
| 383 | <i>Elionurus royleanus</i> Nees ex A.Rich.                                                        | Poaceae        |
| 384 | <i>Enteropogon dolichostachyus</i> (Lag.) Keng (syn. <i>Chloris dolichostachya</i> Lag.)          | Poaceae        |
| 385 | <i>Eragrostis ciliaris</i> (L.) R. Br.                                                            | Poaceae        |
| 386 | <i>Eragrostis gangetica</i> (Roxb.) Steud.                                                        | Poaceae        |
| 387 | <i>Eragrostis japonica</i> (Thunb.) Trin.                                                         | Poaceae        |
| 388 | <i>Eragrostis pilosa</i> (L.) P. Beauv.                                                           | Poaceae        |
| 389 | <i>Eragrostis tenella</i> (L.) P. Beauv. ex Roem. & Schult.                                       | Poaceae        |
| 390 | <i>Hemarthria compressa</i> (L.f.) R. Br.                                                         | Poaceae        |
| 391 | <i>Heteropogon contortus</i> (L.) P. Beauv. ex Roem. & Schult.                                    | Poaceae        |
| 392 | <i>Imperata cylindrica</i> (L.) Raeusch.                                                          | Poaceae        |
| 393 | <i>Janochloa antidotalis</i> (Retz.) Zuloaga & Delfini (syn. <i>Panicum antidotale</i> Retz.)     | Poaceae        |
| 394 | <i>Megathyrsus maximus</i> (Jacq.) B.K. Simon & S.W.L. Jacobs (syn. <i>Panicum maximum</i> Jacq.) | Poaceae        |
| 395 | <i>Oplismenus burmannii</i> (Retz.) P. Beauv.                                                     | Poaceae        |
| 396 | <i>Oropetium thomaeum</i> (L.f.) Trin.                                                            | Poaceae        |

|     |                                                                                                |                  |
|-----|------------------------------------------------------------------------------------------------|------------------|
| 397 | <i>Panicum curviflorum</i> Hornem. (syn. <i>Panicum trypheron</i> Schult.)                     | Poaceae          |
| 398 | <i>Paspalum distichum</i> L.                                                                   | Poaceae          |
| 399 | <i>Perotis indica</i> (L.) Kuntze                                                              | Poaceae          |
| 400 | <i>Phalaris minor</i> Retz.                                                                    | Poaceae          |
| 401 | <i>Phragmites karka</i> (Retz.) Trin. ex Steud.                                                | Poaceae          |
| 402 | <i>Polypogon monspeliensis</i> (L.) Desf.                                                      | Poaceae          |
| 403 | <i>Rottboellia cochinchinensis</i> (Lour.) Clayton (syn. <i>Rottboellia exaltata</i> L.f.)     | Poaceae          |
| 404 | <i>Saccharum spontaneum</i> L.                                                                 | Poaceae          |
| 405 | <i>Schoenefeldia gracilis</i> Kunth                                                            | Poaceae          |
| 406 | <i>Setaria flavida</i> (Retz.) Veldkamp (syn. <i>Paspalidium flavidum</i> (Retz.) A. Camus)    | Poaceae          |
| 407 | <i>Setaria geminata</i> (Forssk.) Veldkamp (syn. <i>Paspalidium geminatum</i> (Forssk.) Stapf) | Poaceae          |
| 408 | <i>Setaria intermedia</i> Roem. & Schult.                                                      | Poaceae          |
| 409 | <i>Setaria pumila</i> (Poir.) Roem. & Schult.                                                  | Poaceae          |
| 410 | <i>Setaria verticillata</i> (L.) P. Beauv.                                                     | Poaceae          |
| 411 | <i>Sorghum halepense</i> (L.) Pers.                                                            | Poaceae          |
| 412 | <i>Sporobolus coromandelianus</i> (Retz.) Kunth                                                | Poaceae          |
| 413 | <i>Sporobolus diandrus</i> (Retz.) P.Beauv. (syn. <i>Sporobolus diander</i> (Retz.) P. Beauv.) | Poaceae          |
| 414 | <i>Sporobolus schoenoides</i> (L.) P.M.Peterson (syn. <i>Crypsis schoenoides</i> (L.) Lam.)    | Poaceae          |
| 415 | <i>Sporobolus tenuissimus</i> (Schränk) Kuntze                                                 | Poaceae          |
| 416 | <i>Tetrapogon tenellus</i> (Koenig ex Roxb.) Chiov.                                            | Poaceae          |
| 417 | <i>Themeda quadrivalvis</i> (L.) Kuntze                                                        | Poaceae          |
| 418 | <i>Tripidium bengalense</i> (Retz.) H.Scholz (syn. <i>Saccharum bengalense</i> Retz.)          | Poaceae          |
| 419 | <i>Urochloa distachyos</i> (L.) T.Q.Nguyen (syn. <i>Brachiaria distachya</i> (L.) Stapf)       | Poaceae          |
| 420 | <i>Urochloa panicoides</i> P. Beauv.                                                           | Poaceae          |
| 421 | <i>Urochloa ramosa</i> (L.) T.Q.Nguyen (syn. <i>Brachiaria ramosa</i> (L.) Stapf)              | Poaceae          |
| 422 | <i>Polygala arvensis</i> Willd.                                                                | Polygalaceae     |
| 423 | <i>Persicaria barbata</i> (L.) H. Hara                                                         | Polygonaceae     |
| 424 | <i>Persicaria glabra</i> (Willd.) M.Gómez (syn. <i>Polygonum glabrum</i> Willd. )              | Polygonaceae     |
| 425 | <i>Polygonum plebeium</i> R.Br.                                                                | Polygonaceae     |
| 426 | <i>Rumex dentatus</i> L.                                                                       | Polygonaceae     |
| 427 | <i>Pontederia crassipes</i> Mart. (syn. <i>Eichhornia crassipes</i> (Mart.) Solms)             | Pontederiaceae   |
| 428 | <i>Portulaca pilosa</i> L.                                                                     | Portulacaceae    |
| 429 | <i>Potamogeton crispus</i> L.                                                                  | Potamogetonaceae |
| 430 | <i>Potamogeton nodosus</i> Poir.                                                               | Potamogetonaceae |
| 431 | <i>Potamogeton perfoliatus</i> L.                                                              | Potamogetonaceae |
| 432 | <i>Stuckenia pectinata</i> (L.) Börner                                                         | Potamogetonaceae |
| 433 | <i>Zannichellia palustris</i> L.                                                               | Potamogetonaceae |

|                                                                                                                                                                                                                  |                                                                                                  |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------|
| 434                                                                                                                                                                                                              | <i>Lysimachia arvensis</i> (L.) U.Manns & Anderb. (syn. <i>Anagallis arvensis</i> L.)            | Primulaceae      |
| 435                                                                                                                                                                                                              | <i>Grevillea robusta</i> A. Cunn. ex R. Br.                                                      | Proteaceae       |
| 436                                                                                                                                                                                                              | <i>Actinopteris radiata</i> (Sw.) Link                                                           | Pteridaceae      |
| 437                                                                                                                                                                                                              | <i>Ziziphus mauritiana</i> Lam.                                                                  | Rhamnaceae       |
| 438                                                                                                                                                                                                              | <i>Ziziphus nummularia</i> (Burm.f.) Wight & Arn.                                                | Rhamnaceae       |
| 439                                                                                                                                                                                                              | <i>Potentilla supina</i> L.                                                                      | Rosaceae         |
| 440                                                                                                                                                                                                              | <i>Adina cordifolia</i> (Roxb.) Benth. & Hook. f. ex Brandis                                     | Rubiaceae        |
| 441                                                                                                                                                                                                              | <i>Catunaregam spinosa</i> (Thunb.) Tirveng. (syn. <i>Xeromphis spinosa</i> (Thunb.) Keay)       | Rubiaceae        |
| 442                                                                                                                                                                                                              | <i>Mitragyna parvifolia</i> (Roxb.) Korth.                                                       | Rubiaceae        |
| 443                                                                                                                                                                                                              | <i>Oldenlandia corymbosa</i> L.                                                                  | Rubiaceae        |
| 444                                                                                                                                                                                                              | <i>Spermacoce articularis</i> L.f.                                                               | Rubiaceae        |
| 445                                                                                                                                                                                                              | <i>Spermacoce pusilla</i> Wall.                                                                  | Rubiaceae        |
| 446                                                                                                                                                                                                              | <i>Aegle marmelos</i> (L.) Corrêa                                                                | Rutaceae         |
| 447                                                                                                                                                                                                              | <i>Limonia acidissima</i> L.                                                                     | Rutaceae         |
| 448                                                                                                                                                                                                              | <i>Naringi crenulata</i> (Roxb.) Nicolson                                                        | Rutaceae         |
| 449                                                                                                                                                                                                              | <i>Flacourtia indica</i> (Burm.f.) Merr.                                                         | Salicaceae       |
| 450                                                                                                                                                                                                              | <i>Cardiospermum halicacabum</i> L.                                                              | Sapindaceae      |
| 451                                                                                                                                                                                                              | <i>Mimusops elengi</i> L.                                                                        | Sapotaceae       |
| 452                                                                                                                                                                                                              | <i>Verbascum coromandelianum</i> (Vahl) Hub.-Mor. (syn. <i>Verbascum chinense</i> (L.) Santapau) | Scrophulariaceae |
| 453                                                                                                                                                                                                              | <i>Capsicum annuum</i> L.                                                                        | Solanaceae       |
| 454                                                                                                                                                                                                              | <i>Datura innoxia</i> Mill.                                                                      | Solanaceae       |
| 455                                                                                                                                                                                                              | <i>Lycium edgeworthii</i> Dun.                                                                   | Solanaceae       |
| 456                                                                                                                                                                                                              | <i>Nicotiana plumbaginifolia</i> Viv.                                                            | Solanaceae       |
| 457                                                                                                                                                                                                              | <i>Physalis angulata</i> L. (syn. <i>Physalis minima</i> L.)                                     | Solanaceae       |
| 458                                                                                                                                                                                                              | <i>Solanum anguivi</i> Lam.                                                                      | Solanaceae       |
| 459                                                                                                                                                                                                              | <i>Solanum incanum</i> L.                                                                        | Solanaceae       |
| 460                                                                                                                                                                                                              | <i>Solanum nigrum</i> L.                                                                         | Solanaceae       |
| 461                                                                                                                                                                                                              | <i>Solanum virginianum</i> L. (syn. <i>Solanum surattense</i> Burm.f.)                           | Solanaceae       |
| 462                                                                                                                                                                                                              | <i>Withania somnifera</i> (L.) Dunal                                                             | Solanaceae       |
| 463                                                                                                                                                                                                              | <i>Typha domingensis</i> Pers.                                                                   | Typhaceae        |
| 464                                                                                                                                                                                                              | <i>Holoptelea integrifolia</i> (Roxb.) Planch.                                                   | Ulmaceae         |
| 465                                                                                                                                                                                                              | <i>Lantana camara</i> subsp. <i>aculeata</i> (L.) R.W.Sanders                                    | Verbenaceae      |
| 466                                                                                                                                                                                                              | <i>Lantana rugosa</i> Thunb. (syn. <i>Lantana salviifolia</i> Jacq.)                             | Verbenaceae      |
| 467                                                                                                                                                                                                              | <i>Phyla nodiflora</i> (L.) Greene                                                               | Verbenaceae      |
| 468                                                                                                                                                                                                              | <i>Ampelocissus latifolia</i> (Roxb.) Planch.                                                    | Vitaceae         |
| 469                                                                                                                                                                                                              | <i>Causonis trifolia</i> (L.) Mabb. & J.Wen (syn. <i>Cayratia trifolia</i> (L.) Domin)           | Vitaceae         |
| 470                                                                                                                                                                                                              | <i>Balanites aegyptiaca</i> (L.) Delile                                                          | Zygophyllaceae   |
| 471                                                                                                                                                                                                              | <i>Fagonia indica</i> Burm. f.                                                                   | Zygophyllaceae   |
| 472                                                                                                                                                                                                              | <i>Fagonia schweinfurthii</i> (Hadidi) Nabil & Hadidi                                            | Zygophyllaceae   |
| 473                                                                                                                                                                                                              | <i>Tribulus terrestris</i> L.                                                                    | Zygophyllaceae   |
| 474                                                                                                                                                                                                              | <i>Tribulus terrestris</i> var. <i>terrestris</i> (syn. <i>Tribulus lanuginosus</i> L.)          | Zygophyllaceae   |
| * <i>Cassia alba</i> L. is reproduced exactly as reported in Parmar (1985), the source cited in this review. This name is not currently recognised as an accepted scientific name in modern taxonomic databases. |                                                                                                  |                  |

The overall composition clearly indicates the overwhelming dominance of angiosperms, which account for 469 species (98.94%) of the total flora. In contrast, pteridophytes contribute only 4 species (0.84%), while gymnosperms are represented by a single species (0.21%), reflecting their very limited distribution. This pattern suggests that the environmental conditions of the study area are more favourable for flowering plants, while being less suitable for moisture-dependent pteridophytes and temperate gymnosperms. Within angiosperms, a marked predominance of dicotyledons is observed. The dicot flora comprises 362 species (76.37%) distributed across 70 families and 244 genera, whereas monocotyledons include 107 species (22.57%), belonging to 11 families and 67 genera. (Table 4).

A detailed family-wise analysis of the top 10 dominant families (Figure 1) shows that Poaceae is the most dominant family, contributing 64 species (13.50%) and 42 genera. The second most dominant

family is Fabaceae, with 57 species (12.03%) and 34 genera. Other major families include Asteraceae with 30 species (6.33%), Malvaceae with 29 species (6.12%), Cyperaceae with 23 species (4.85%) and both Acanthaceae and Amaranthaceae, each contributing 20 species (4.22%). Moderate contributions are made by Euphorbiaceae and Lamiaceae, each with 14 species (2.95%), followed by Cucurbitaceae (13 species; 2.74%) and Convolvulaceae (12 species; 2.53%). The high species richness recorded in the present study highlights the ecological significance of the area and underscores the need for its conservation. The diversity of plant species not only supports various trophic levels but also contributes to ecosystem services such as soil stabilization, nutrient cycling, and carbon sequestration. The presence of economically and medicinally important species further enhances the value of the flora and provides opportunities for sustainable utilization.

**Table 4:** Genera and Species occurring in Sariska Tiger Reserve.

| PTERIDOPHYTES            |               |          |          |
|--------------------------|---------------|----------|----------|
| Sr. No.                  | Family        | Genera   | Species  |
| 1                        | Adiantaceae   | 1        | 2        |
| 2                        | Equisetaceae  | 1        | 1        |
| 3                        | Pteridaceae   | 1        | 1        |
| <b>Total</b>             | <b>3</b>      | <b>3</b> | <b>4</b> |
| GYMNOSPERMS              |               |          |          |
| 1                        | Pinaceae      | 1        | 1        |
| <b>Total</b>             | <b>1</b>      | <b>1</b> | <b>1</b> |
| ANGIOSPERMS DICOTYLEDONS |               |          |          |
| 1                        | Acanthaceae   | 11       | 20       |
| 2                        | Aizoaceae     | 2        | 2        |
| 3                        | Amaranthaceae | 11       | 20       |
| 4                        | Anacardiaceae | 3        | 3        |
| 5                        | Annonaceae    | 2        | 2        |
| 6                        | Apocynaceae   | 9        | 9        |
| 7                        | Asteraceae    | 26       | 30       |
| 8                        | Basellaceae   | 1        | 1        |

|    |                  |    |    |
|----|------------------|----|----|
| 9  | Bignoniaceae     | 2  | 2  |
| 10 | Boraginaceae     | 7  | 9  |
| 11 | Burseraceae      | 2  | 2  |
| 12 | Cactaceae        | 1  | 1  |
| 13 | Campanulaceae    | 1  | 1  |
| 14 | Cannabaceae      | 1  | 1  |
| 15 | Capparaceae      | 3  | 4  |
| 16 | Caryophyllaceae  | 2  | 2  |
| 17 | Celastraceae     | 2  | 3  |
| 18 | Ceratophyllaceae | 1  | 1  |
| 19 | Combretaceae     | 1  | 5  |
| 20 | Convolvulaceae   | 5  | 12 |
| 21 | Cornaceae        | 1  | 1  |
| 22 | Cucurbitaceae    | 8  | 13 |
| 23 | Ebenaceae        | 1  | 1  |
| 24 | Elatinaceae      | 1  | 1  |
| 25 | Euphorbiaceae    | 6  | 14 |
| 26 | Fabaceae         | 34 | 57 |
| 27 | Lamiaceae        | 8  | 14 |
| 28 | Linderniaceae    | 3  | 3  |
| 29 | Loranthaceae     | 1  | 1  |
| 30 | Lythraceae       | 3  | 4  |
| 31 | Malvaceae        | 15 | 29 |
| 32 | Martyniaceae     | 1  | 1  |
| 33 | Meliaceae        | 3  | 3  |
| 34 | Menispermaceae   | 2  | 2  |
| 35 | Menyanthaceae    | 1  | 1  |
| 36 | Molluginaceae    | 1  | 2  |
| 37 | Moraceae         | 2  | 7  |
| 38 | Moringaceae      | 1  | 1  |
| 39 | Myrtaceae        | 1  | 1  |
| 40 | Nelumbonaceae    | 1  | 1  |
| 41 | Nyctaginaceae    | 2  | 3  |
| 42 | Oleaceae         | 2  | 2  |
| 43 | Onagraceae       | 1  | 3  |
| 44 | Orobanchaceae    | 2  | 3  |
| 45 | Oxalidaceae      | 1  | 1  |
| 46 | Papaveraceae     | 1  | 2  |
| 47 | Passifloraceae   | 1  | 1  |
| 48 | Pedaliaceae      | 2  | 2  |
| 49 | Phrymaceae       | 1  | 1  |
| 50 | Phyllanthaceae   | 3  | 5  |
| 51 | Plantaginaceae   | 4  | 5  |

|                                   |                  |            |            |
|-----------------------------------|------------------|------------|------------|
| 52                                | Plumbaginaceae   | 1          | 2          |
| 53                                | Polygalaceae     | 1          | 1          |
| 54                                | Polygonaceae     | 3          | 4          |
| 55                                | Portulacaceae    | 1          | 1          |
| 56                                | Primulaceae      | 1          | 1          |
| 57                                | Proteaceae       | 1          | 1          |
| 58                                | Rhamnaceae       | 1          | 2          |
| 59                                | Rosaceae         | 1          | 1          |
| 60                                | Rubiaceae        | 5          | 6          |
| 61                                | Rutaceae         | 3          | 3          |
| 62                                | Salicaceae       | 1          | 1          |
| 63                                | Sapindaceae      | 1          | 1          |
| 64                                | Sapotaceae       | 1          | 1          |
| 65                                | Scrophulariaceae | 1          | 1          |
| 66                                | Solanaceae       | 7          | 10         |
| 67                                | Ulmaceae         | 1          | 1          |
| 68                                | Verbenaceae      | 2          | 3          |
| 69                                | Vitaceae         | 2          | 2          |
| 70                                | Zygophyllaceae   | 3          | 5          |
| <b>Total</b>                      | <b>70</b>        | <b>244</b> | <b>362</b> |
| <b>ANGIOSPERMS MONOCOTYLEDONS</b> |                  |            |            |
| 1                                 | Araceae          | 3          | 3          |
| 2                                 | Arecaceae        | 1          | 1          |
| 3                                 | Asparagaceae     | 1          | 1          |
| 4                                 | Commelinaceae    | 3          | 4          |
| 5                                 | Cyperaceae       | 8          | 23         |
| 6                                 | Hydrocharitaceae | 3          | 3          |
| 7                                 | Pandanaceae      | 1          | 1          |
| 8                                 | Poaceae          | 42         | 64         |
| 9                                 | Pontederiaceae   | 1          | 1          |
| 10                                | Potamogetonaceae | 3          | 5          |
| 11                                | Typhaceae        | 1          | 1          |
| <b>Total</b>                      | <b>11</b>        | <b>67</b>  | <b>107</b> |
| <b>Grand Total</b>                | <b>85</b>        | <b>315</b> | <b>474</b> |

### Conclusion

In conclusion, the floristic analysis of the study area reveals a diverse and dynamic plant community dominated by angiosperms, particularly dicotyledons. The prominence of families such as Poaceae, Fabaceae, and Asteraceae reflects the adaptation of the flora to dry deciduous and semi-arid conditions. As a

comprehensive and updated synthesis, the present review will not only consolidate dispersed floristic information but also provide a reliable baseline for future taxonomic, ecological, and conservation-oriented studies.

### Acknowledgements

The authors are thankful to the principal of M.S.J. Government College, Bharatpur and

Raj Rishi Government College, Alwar, for providing the necessary facilities.

## References

1. NTCA 2023, Brief note on Sariska Tiger Reserve. National Tiger Conservation Authority, New Delhi. <https://ntca.gov.in/assets/uploads/briefnote/sariska.pdf> (Accessed: 10 January 2026).
2. Rajasthan Forest Department 2014, Tiger Conservation Plan for Sariska Tiger Reserve. Rajasthan Forest Department, Jaipur.
3. Champion HG and Seth SK 1968, A revised survey of the forest types of India. Manager of Publications, Government of India, New Delhi. <https://archive.org/details/revisedsurveyoff0000sirh>.
4. Vyas LN 1967, Contribution to the flora of north-east Rajasthan, Alwar district. *J. Bombay Nat. Hist. Soc.* 64 191–231
5. Parmar PJ 1985, A contribution to the flora of Sariska Tiger Reserve, Alwar District, Rajasthan. *Nelumbo* 27 29–40. <https://nelumbo-bis.org/index.php/nlumbo/article/view/74739/58163>
6. Agarwal SK and Yadav AS 2005, Population structure of tree species in Sariska Tiger Reserve: effect of hill slopes and human disturbances. *Bulletin of the National Institute of Ecology*. 15, 35-41.
7. Dular AK 2015, Plant diversity assessment of Sariska Tiger Reserve in Aravallis with emphasis on minor forest products. *Trop. Plant Res.* 2(1), 30-35.
8. Singhadiya MK and Prasad R 2020, Addition to the flora of Sariska Tiger Reserve, Rajasthan. *Ind. J. Pure Appl. Biosci.* 8 173–180. doi: <http://dx.doi.org/10.18782/2582-2845.8431>
9. IPNI 2026, International Plant Names Index. <http://www.ipni.org> (accessed 10 January 2026)
10. GBIF 2025, Global Biodiversity Information Facility. <https://www.gbif.org> (accessed 18 March 2026)
11. WFO 2026, World Flora Online. <http://www.worldfloraonline.org> (accessed 18 March 2026)
12. POWO 2026, Plants of the World Online. Royal Botanic Gardens, Kew. <https://powo.science.kew.org> (accessed 15 January 2026)