



## Addition to the Flora of Sariska Tiger Reserve, Rajasthan

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### ABSTRACT

The present study deals with new addition to the Flora of Sariska Tiger Reserve (STR), located in Alwar district of Rajasthan. A total of 73 unreported species under \*7 families were recorded during the recent plant exploration from STR. A brief citation, a note on distribution, flowering & fruiting period and specimens examined have been provided here for each sp.

**Keywords:** New addition, Flora of Sariska Tiger Reserve, Rajasthan.

### INTRODUCTION

The Sariska Tiger Reserve (STR) is situated in Alwar district, Rajasthan state between N27°04' to N27°45' latitude and E76°17' to E76°34' longitude. It is located in the hill range of Aravallis spreading over the tract preliminary from Mount Abu and culminating on Delhi ridge and a semi-arid part of Rajasthan (Rodgers and Panwar, 1988). The whole area of Sariska Tiger Reserve is 881.11 sq. km., which has been notified as critical tiger habitat (CTH) in the official gazette of the state, vide notification no. F3 (34) Forest/ 2007 dated December 28, 2007. Of these, reserved forest occupied 604.97 sq. km. of area and the protected area is 276.13 sq. km. During July 2012, a buffer area of 322.23 sq. km. surrounding some part of the Alwar territorial forest division in the north and part of Jamwa Ramgarh Wildlife Sanctuary in the south around CTH has been notified.

Consequently, the effectual entire area of sariska tiger reserve after July 2012 is 1203.63 sq. km. The reserve lies on Delhi-Jaipur state highway via Alwar, at a distance of 200 km from Delhi, 37 km from Alwar city and 110 km from Jaipur city. Ajabgarh, Alwar forest division, Sariska, Akbarpur, Talvriksh and Tehla are the main territorial ranges of tiger reserve. The altitude of Sariska varies from 540 to 777 m. The vegetation of tiger reserve falls under northern tropical dry deciduous forests and northern tropical thorn forest (Champion & Seth, 1968). *Anogeissus pendula* is the dominat tree species of the forests.

Parmar (1985), Agarwal & Yadav (2005) and Dular (2015) have further added to our knowledge about the flora and floristic of the STR in Rajasthan. The accepted plants names, synonyms, basionyms and families are as per The Plant List (2014) as well as The International Plant Name Index (IPNI, 2014).

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## MATERIALS AND METHODS

During 2015-19, five field exploration tours were undertaken to various part of the Sariska Tiger Reserve covering all seasons of the years. The authors were collected plant specimens along with their field data on habit, habitat, flowering & fruiting period and for the processing of herbarium specimens, the methodology described by Jain & Rao (1977) was followed. These specimens were identified with the help of floras (Hooker, 1872-1897; Sharma & Tiagi, 1979 & Shetty & Singh, 1987, 1991, 1993) and matching with reference voucher specimens and deposited in the BSJO. After critical study and thorough review of literature, this paper records 73 species belonging to 66 genera under 32 families. \*7 of the families are new to the Sariska Tiger Reserve (Parmar, 1985).

In the present study, a brief citation, a note on distribution, flowering & fruiting period and specimens examined which includes locality, collector's name & field numbers have been provided here for each species.

## SYNOPSIS OF FLORA

Parmar (1985) reported 403 indigenous and naturalized plant species belonging to 271 genera under 86 families. The present paper records 73 species as additions to the flora of Sariska Tiger Reserve. \*Seven families and 41 genera are new to the Tiger Reserve. The present status of the Sariska Tiger Reserve comprises of 476 species belonging to 312 genera and 93 families.

## ENUMERATION

### \*POLYGALACEAE

**Polygala arvensis** Willd.

In rocky habitats, common in open waste places.

*Fl. & Fr.:* July – Oct.

*Specimen examined:* STR: Talgate forest chowki, M.K. Singhadiya & Ravi Prasad 32150 (BSJO).

### \*CARYOPHYLLACEAE

**Polycarpha corymbosa** (L.) Lam.

In sandy-loam to gravelly habitats, common weed in fallow fields, open places.

*Fl. & Fr.:* Aug. – Dec.

*Specimens examined:* STR: Near Karna ka Bass, Kala Khora by pass, M.K. Singhadiya & Ravi Prasad 32209, 32347 (BSJO).

### **Spergula fallax** (Lowe) Krause

In sandy-loam soil, frequent.

*Fl. & Fr.:* Dec. – March.

*Specimens examined:* STR: Chota Bhrahtri, Baletha village, M.K. Singhadiya & Ravi Prasad 31991, 32644 (BSJO).

### \*ELATINACEAE

**Bergia aestivosa** (Wight) Steud.

In moist to sandy-loam habitats, rare.

*Fl. & Fr.:* Sept. – Feb.

*Specimen examined:* STR: Kishori by pass, M.K. Singhadiya & Ravi Prasad 32284 (BSJO).

### MALVACEAE

**Abutilon pannosum** (G. Forst.) Schltdl.

In sandy – loam habitats, occasional.

*Fl. & Fr.:* Sept. – Dec.

*Specimen examined:* STR: Slopka forest block, M.K. Singhadiya & Ravi Prasad 32181 (BSJO).

### ZYGOPHYLLACEAE

**Fagonia indica** Burm. f.

In sandy habitats, frequent.

*Fl. & Fr.:* Aug. - Feb.

*Specimen examined:* STR: Jaisinghpura, M.K. Singhadiya & Ravi Prasad 32624 (BSJO).

### **F. schweinfurthii** (Hadidi) Nabil & Hadidi

In sandy habitats, common in open places.

*Fl. & Fr.:* Jan. - Dec.

*Specimen examined:* STR: Ram Tilla-Jodhawas, M.K. Singhadiya & Ravi Prasad 32409 (BSJO).

### CELASTRACEAE

**Gymnosporia senegalensis** (Lam.) Loes.

In gravelly habitats, frequent.

*Fl. & Fr.:* Nov. – Feb.

*Specimen examined:* STR: Near Sadar gate, M.K. Singhadiya & Ravi Prasad 32567 (BSJO).

### FABACEAE

**Alysicarpus hamosus** Edgew.

In moist to sandy habitats, common in open places.

*Fl. & Fr.:* Aug. – Oct.

*Specimen examined:* STR: Tolawas, M.K. Singhadiya & Ravi Prasad 32351 (BSJO).

**A. tetragonolobus** Edgew.

In rocky to moist habitats, common on river beds.

*Fl. & Fr.:* Aug. – Oct.*Specimen examined:* STR: Udainath Forest Block, M.K. Singhadiya & Ravi Prasad 32420 (BSJO).**Indigofera trifoliata** L.

In rocky-gravelly habitats, common in open places.

*Fl. & Fr.:* Aug. – Nov.*Specimen examined:* STR: Near Sariska Palace, M.K. Singhadiya & Ravi Prasad 32428 (BSJO).**Medicago polymorpha** L.

In sandy-loam habitats, common.

*Specimen examined:* STR: Near Sariska Palace, M.K. Singhadiya & Ravi Prasad 32021 (BSJO).**Rhynchosia bracteata** Baker

In sandy– loamy habitats, rare.

*Fl. & Fr.:* Aug. – Dec.*Specimen examined:* STR Thanagazi-Alwar by pass (Duhar), M.K. Singhadiya & Ravi Prasad 32342 (BSJO).**Tephrosia candida** (Roxb.) DC.

In rocky-gravelly habitats, frequent.

*Fl. & Fr.:* Oct. – Dec.*Specimen examined:* STR: Talgate forest chowki, M.K. Singhadiya & Ravi Prasad 32145 (BSJO).**CAESALPINIACEAE****Chamaecrista mimosoides** (L.) Greene

In sandy-loam habitats, rare in wastelands.

*Fl. & Fr.:* Aug. – Nov.*Specimen examined:* STR: Thanagazi-Alwar by pass (Duhar), M.K. Singhadiya & Ravi Prasad 32327 (BSJO).**COMBRETACEAE****Anogeissus sericea** Brandis var. **nummularia**King ex Duthie “*Indok dhok*”

In rocky-gravelly habitats, rare in open scrub forest.

*Fl. & Fr.:* Sept. – Jan.*Specimens examined:* STR: Indok-Near Kushalgarh tiraya, M.K. Singhadiya & Ravi Prasad 32034, 32360, 32591 (BSJO).**ONAGRACEAE****Ludwigia hyssopifolia** (G.Don) Exell

In moist habitats, rare in forest.

*Fl. & Fr.:* Aug. – Dec.*Specimen examined:* STR: Karna ka Bass-Anicut, M.K. Singhadiya & Ravi Prasad 32193 (BSJO).**\*PASSIFLORACEAE****Passiflora foetida** L.

In gravelly habitats, rare in waste land.

*Fl. & Fr.:* July – Jan.*Specimen examined:* STR: Umrain, M.K. Singhadiya & Ravi Prasad 32588 (BSJO).**CUCURBITACEAE****Ctenolepis garcini** (L.) C.B. Clarke

In gravelly habitats, rare on boundaries of farming fields.

*Fl. & Fr.:* Aug. – Oct.*Specimen examined:* STR: Mitrawat Forest area, M.K. Singhadiya & Ravi Prasad 37557 (BSJO).**Dactyliandra welwitschii** Hook. f. “*Ankh-phutani*”

In sandy-loam habitats, occasional.

*Fl. & Fr.:* Aug. – Dec.*Specimen examined:* STR: Kala Rada, M.K. Singhadiya & Ravi Prasad 32213 (BSJO).**Melothria maderaspatana** (L.) Cogn.

In mixed habitats, common on hedges and trees.

*Fl. & Fr.:* Aug. – Dec.*Specimen examined:* STR: Talvriksha, M.K. Singhadiya & Ravi Prasad 37908 (BSJO).**Trichosanthes cordata** Roxb.

In moist to gravelly habitats, frequent.

*Fl. & Fr.:* July - Oct.*Specimen examined:* STR: Kabri anicut-Kakwadi, M.K. Singhadiya & Ravi Prasad 37549 (BSJO).**MOLLUGINACEAE****Glinus oppositifolius** (L.) DC.

In moist habitats, frequent.

*Fl. & Fr.:* Almost throughout the year.*Specimen examined:* STR: Silishade, M.K. Singhadiya & Ravi Prasad 32524 (BSJO).**RUBIACEAE****Borreria articulalis** (L. f.) F. N. Will.

In gravelly habitats, common in open places.

*Fl. & Fr.:* Aug. – Nov.*Specimens examined:* STR: Near Sadar gate, Talgate forest chowki, Kala Rada, M.K.

*Singhadiya & Ravi Prasad* 32073, 32149,  
32212 (BSJO).

**ASTERACEAE****Dicoma tomentosa** Cass.

In gravelly habitats, frequent in open places.

*Fl. & Fr.:* Sept. - March.

*Specimen examined:* STR: Near Talgate forest chowki, M.K. Singhadiya & Ravi Prasad 32135 (BSJO).

**Glossocardia bosvallea** (L. f.) DC.

In rocky-gravelly habitats, frequent in open places.

*Fl. & Fr.:* July – Oct.

*Specimen examined:* STR: Talgate forest chowki, M.K. Singhadiya & Ravi Prasad 32147 (BSJO).

**Gnomophalium pulvinatum** (Delile) Greuter

In mixed habitats, frequent in dried ponds.

*Fl. & Fr.:* Oct. – April.

*Specimen examined:* STR: Sarsa Devi temple-Dam area, M.K. Singhadiya & Ravi Prasad 32041 (BSJO).

**Grangea maderaspatana** (L.) Poir.

In moist to gravelly habitats, occasionally in wasteland.

*Fl. & Fr.:* Almost throughout the year.

*Specimens examined:* STR: Tahla talab, Sarsa Devi temple-Dam area, Udaipur forest area, M.K. Singhadiya & Ravi Prasad 32037, 32472, 32635 (BSJO).

**Pulicaria angustifolia** DC.

In sandy habitats, frequent.

*Fl. & Fr.:* Oct. – Jan.

*Specimen examined:* STR: Thanagazi-Alwar by pass (Tolawas), M.K. Singhadiya & Ravi Prasad 32602 (BSJO).

**P. crispa** (Forssk.) Benth. & Hook. f.

In sandy habitats, occasional.

*Fl. & Fr.:* Sept. – March.

*Specimens examined:* STR: Thanagazi-Alwar by pass (Duhar), Vanpal Naka-Ajabgarh, M.K. Singhadiya & Ravi Prasad 32338, 31914, 32602 (BSJO).

**Verbesina encelioides** (Cav.) Benth. & Hook ex Grey

In rocky habitats, common in waste land, open forest.

*Fl. & Fr.:* July - Oct.

*Specimens examined:* STR: Near Sadar gate, Sariska - Thank You Board, M.K. Singhadiya & Ravi Prasad 32066, 31955 (BSJO).

**\*PRIMULACEAE****Anagallis arvensis** L.

In sandy-loam habitats, common in moist places.

*Fl. & Fr.:* Dec. - March.

*Specimens examined:* STR: Tahla talab, Vanpal Naka-Ajabgarh, M.K. Singhadiya & Ravi Prasad 32042, 31913 (BSJO).

**BORAGINACEAE****Coldenia procumbens** L.

In moist to clayey – loam soil, occasional.

*Fl. & Fr.:* Aug. – April.

*Specimens examined:* STR: Ghanka anicut, Tahla talab, M.K. Singhadiya & Ravi Prasad 32225, 32542 (BSJO).

**Heliotropium ovalifolium** Forssk.

In moist habitats, frequent.

*Fl. & Fr.:* Almost throughout the year.

*Specimen examined:* STR: Tahla talab, M.K. Singhadiya & Ravi Prasad 32546 (BSJO).

**Sericostoma pauciflorum** Stocks ex Wight

On sand dunes, frequent.

*Fl.:* Aug. – Sept.

*Fr.:* March – April.

*Specimen examined:* STR: Thanagazi-Dular By pass, M.K. Singhadiya & Ravi Prasad 31964 (BSJO).

**CONVOLVULACEAE****Ipomoea obscura** (L.) Ker.-Gawl.

In sandy to gravelly habitats, common.

*Fl. & Fr.:* July – April.

*Specimen examined:* STR: Mansa Mata Mandir- Near Bhanger, M.K. Singhadiya & Ravi Prasad 37567 (BSJO).

**Merremia tridentata** (L.) Hall. f. subsp. *tridentata* "Hiran Khor"

In sandy – loamy soil, rare in fallow fields.

*Fl. & Fr.:* Aug. – Nov.

*Specimen examined:* STR: Silishade-Doha, M.K. Singhadiya & Ravi Prasad 32005 (BSJO).

**SOLANACEAE****Lycium edgeworthii** Dun.

In sandy to gravelly habitats, frequent.

*Fl. & Fr.:* Sept. – Dec.

*Specimen examined:* STR: Thanagazi-Alwar by pass, M.K. Singhadiya & Ravi Prasad 32310 (BSJO).

#### **SCROPHULARIACEAE**

**Striga angustifolia** (D. Don) Saldanha  
On sandy soils, common in waste places.

*Fl. & Fr.:* Aug. – Oct.

*Specimen examined:* STR: Tolawas, M.K. Singhadiya & Ravi Prasad 32352 (BSJO).

#### **PEDALIACEAE**

**Pedalium murex** L.

In sandy-loam habitats, fairly common in dried up tanks and ponds.

*Fl. & Fr.:* Aug. – Dec.

*Specimen examined:* STR: Thanagazi-Alwar by pass, M.K. Singhadiya & Ravi Prasad 32322 (BSJO).

#### **ACANTHACEAE**

**Hygrophila auriculata** (Schum.) Heine

In rocky – gravelly habitats, rare in open forests.

*Fl. & Fr.:* Aug. – Dec.

*Specimens examined:* STR: Kalighati towards Pandupole, Sarsa Devi temple-River belt, M.K. Singhadiya & Ravi Prasad 32167, 32627 (BSJO).

**Justicia prostrata** (Roxb. ex Clarke) Gamble  
In rocky habitats, occasional in open places.

*Fl. & Fr.:* Sept. - March.

*Specimen examined:* STR: Near Sadar gate, M.K. Singhadiya & Ravi Prasad 32064 (BSJO).

**Lepidagathis bandraensis** Blatt.

In rocky – gravelly habitats, frequent.

*Fl. & Fr.:* Almost throughout the year.

*Specimen examined:* STR: Thanagazi-Alwar by pass, M.K. Singhadiya & Ravi Prasad 32595 (BSJO).

**Ruellia tuberosa** L.

In rocky – gravelly habitats, frequent in wastelands.

*Fl. & Fr.:* Aug. – Dec.

*Specimen examined:* STR: Bhairu ghati, M.K. Singhadiya & Ravi Prasad 32174 (BSJO).

#### **LAMIACEAE (LABIATAE)**

**Colebrookea oppositifolia** Sm.

In moist to rocky – gravelly habitats, rare.

*Fl. & Fr.:* Jan. - June.

*Specimens examined:* STR: Naldeshwar Mahadev temple, M.K. Singhadiya & Ravi Prasad 32013, 32534, 32663 (BSJO).

**Leucas urticifolia** (Vahl) Sm.

In sandy-loam to gravelly habitats, common weed in open forest.

*Fl. & Fr.:* Sept. – Oct.

*Specimens examined:* STR: Karna ka Bass-Anicut, Pandupole forest block, M.K. Singhadiya & Ravi Prasad 32087, 32187 (BSJO).

#### **AMARANTHACEAE**

**Alternanthera paronychioides** A. - St. - Hill.

In moist habitats, common in waste places.

*Fl. & Fr.:* Almost throughout the year

*Specimens examined:* STR: Near Tahla talab, Sarsa Devi temple-Dam area, M.K. Singhadiya & Ravi Prasad 32039, 32471 (BSJO).

**Nothosaerva brachiata** (L.) Wight

In moist to sandy-loam habitats, frequent in water bodies.

*Fl. & Fr.:* Sept. – Dec.

*Specimen examined:* STR: Talvriksh forest block, M.K. Singhadiya & Ravi Prasad 32277 (BSJO).

#### **EUPHORBIACEAE**

**Chrozophora rottnleri** (Geis.) Juss. ex Spreng.

In moist habitats, frequent.

*Fl. & Fr.:* Almost throughout the year.

*Specimen examined:* STR: Tahla talab, M.K. Singhadiya & Ravi Prasad 32548 (BSJO).

**Croton bonplandianus** Baill.

In rocky-gravelly habitats, common in waste places.

*Fl. & Fr.:* March – Aug.

*Specimen examined:* STR: Kakwadi Fort, M.K. Singhadiya & Ravi Prasad 32255 (BSJO).

**Euphorbia dracunculoides** Lam.

In moist – loamy soil, common weed in open places.

*Fl. & Fr.:* Oct. – Feb.

*Specimen examined:* STR: Silishade-Doba Bhagatpura, M.K. Singhadiya & Ravi Prasad 32620 (BSJO).

**E. heterophylla** L.

In moist to rocky – gravelly habitats, not common.

*Fl. & Fr.:* Almost throughout the year.

<b>Singhadiya and Prasad</b>	<i>Ind. J. Pure App. Biosci.</i> (2020) 8(6), 173-180	ISSN: 2582 – 2845
<i>Specimens examined:</i> STR: Talgate forest chowki, Karna ka Bass chowki, M.K. <i>Singhadiya &amp; Ravi Prasad</i> 32151, 32207 (BSJO).	<i>Fl. &amp; Fr.:</i> Sept. – Dec.	
<b>Flueggea leucopyrus</b> Willd.	<i>Specimens examined:</i> STR: Near Pacca Kunda, Thanagazi-Alwar by pass, M.K. <i>Singhadiya &amp; Ravi Prasad</i> 32106, 32319 (BSJO).	
In gravelly habitats, frequent.		
<i>Fl. &amp; Fr.:</i> April – July.	<b>B. densa</b> (Wall.) Hand.-Mazz.	
<i>Specimen examined:</i> STR: Near Sadar gate, M.K. <i>Singhadiya &amp; Ravi Prasad</i> 32447 (BSJO).	In gravelly habitats, occasional in open places.	
	<i>Fl. &amp; Fr.:</i> Aug. – Dec.	
<b>*CANNABACEAE</b>	<i>Specimen examined:</i> STR: Near Sadar gate, M.K. <i>Singhadiya &amp; Ravi Prasad</i> 32078 (BSJO).	
<b>Trema orientalis</b> (L.) Blume	<b>Fimbristylis ferruginea</b> (L.) Vahl	
In gravelly habitats, occasional.	In marshy habitats, frequent.	
<i>Fl. &amp; Fr.:</i> June – Dec.	<i>Fl. &amp; Fr.:</i> June – Dec.	
<i>Specimen examined:</i> STR: Naldeshwar, M.K. <i>Singhadiya &amp; Ravi Prasad</i> 32530 (BSJO).	<i>Specimen examined:</i> STR: Tehla-Dabakan road, M.K. <i>Singhadiya &amp; Ravi Prasad</i> 32501 (BSJO).	
<b>HYDROCHARITACEAE</b>	<b>Kyllinga bulbosa</b> P. Beauv.	
<b>Ottelia alismoides</b> (L.) Pers.	In rocky-gravelly habitats, fairly common in the open forest.	
In aquatic habitats, rare in ponds, slow running water.	<i>Fl. &amp; Fr.:</i> Aug. – Nov.	
<i>Fl. &amp; Fr.:</i> Almost throughout the year.	<i>Specimen examined:</i> STR: Karna ka Bass-Anicut, M.K. <i>Singhadiya &amp; Ravi Prasad</i> 32085 (BSJO).	
<i>Specimen examined:</i> STR: Sarsa Devi temple, M.K. <i>Singhadiya &amp; Ravi Prasad</i> 32301 (BSJO).	<b>K. brevifolia</b> Rottb.	
	In marshy to gravelly habitats, frequently in dam.	
<b>*PONTEDERIACEAE</b>	<i>Fl. &amp; Fr.:</i> Aug. – Dec.	
<b>Eichhornia crassipes</b> (Mart.) Solms	<i>Specimen examined:</i> STR: Silishade lake area, M.K. <i>Singhadiya &amp; Ravi Prasad</i> 32383 (BSJO).	
In aquatic habitats, occasional.	<b>Schoenoplectiella roylei</b> (Nees) Lye	
<i>Fl. &amp; Fr.:</i> Sept. – Dec.	In marshy habitats, occasional in open forest.	
<i>Specimens examined:</i> STR: Silishade, M.K. <i>Singhadiya &amp; Ravi Prasad</i> 32384, 31993 (BSJO).	<i>Fl. &amp; Fr.:</i> Sept. – Dec.	
<b>LEMNACEAE</b>	<i>Specimen examined:</i> STR: Kishori by pass, M.K. <i>Singhadiya &amp; Ravi Prasad</i> 32285 (BSJO).	
<b>Lemna perpusilla</b> Torr.	<b>POACEAE</b>	
In aquatic habitats, occasional in lake.	<b>Aristida funiculata</b> Trin. & Rupr.	
<i>Fl. &amp; Fr.:</i> July – Oct.	In sandy to rocky-gracelly habitats, common in open forests.	
<i>Specimen examined:</i> STR: Silishade, M.K. <i>Singhadiya &amp; Ravi Prasad</i> 32389 (BSJO).	<i>Fl. &amp; Fr.:</i> Aug. – Dec.	
<b>POTAMOGETONACEAE</b>	<i>Specimen examined:</i> STR: Near Pacca Kunda, M.K. <i>Singhadiya &amp; Ravi Prasad</i> 32108 (BSJO).	
<b>Potamogeton nodosus</b> Poir.	<b>Cenchrus pennisetiformis</b> Steud.	
In aquatic habitats, frequent.	In gravelly habitats, frequent in waste land.	
<i>Fl. &amp; Fr.:</i> Nov. - June.	<i>Fl. &amp; Fr.:</i> Almost throughout the year.	
<i>Specimen examined:</i> STR: Tehla-Dabakan road, M.K. <i>Singhadiya &amp; Ravi Prasad</i> 32509 (BSJO).		
<b>CYPERACEAE</b>		
<b>Bulbostylis barbata</b> (Rottb.) Clarke		
In sandy to moist habitats, frequent in open forests.		

*Specimen examined:* STR: Sariska Thank You Board, M.K. Singhadiya & Ravi Prasad 31945 (BSJO).

**Crypsis schoenoides** (L.) Lam.

In moist habitats, rare.

*Fl. & Fr.:* June - Nov.

*Specimen examined:* STR: Tahla talab, M.K. Singhadiya & Ravi Prasad 32545 (BSJO).

**Dichanthium foveolatum** (Del.) Roberty

In sandy to rocky-gravelly habitats, fairly common in wasteland, open forest.

*Fl. & Fr.:* Aug. – Nov.

*Specimen examined:* STR: Near Pacca Kunda, M.K. Singhadiya & Ravi Prasad 32105 (BSJO).

**Digitaria bicornis** (Lam.) Roem. & Schult.

In gravelly habitats, frequent.

*Fl. & Fr.:* Aug. – Oct.

*Specimen examined:* STR: Sariska-Thank You Board, Thanagazi-Alwar By pass, M.K. Singhadiya & Ravi Prasad 32600 (BSJO).

**Eragrostis gangetica** (Roxb.) Steud.

In moist habitats, frequent.

*Fl. & Fr.:* Aug. – Nov.

*Specimen examined:* STR: Sarsa devi temple-river belt, M.K. Singhadiya & Ravi Prasad 32631(BSJO).

**E. pilosa** (L.) P. Beauv.

In sandy-loam to rocky habitats, common in waste land.

*Fl. & Fr.:* Aug. – Jan.

*Specimens examined:* STR: Karna Ka Bass-Anicut, Tarunda Forest Chowki, M.K. Singhadiya & Ravi Prasad 32092, 32102 (BSJO).

**Paspalidium geminatum** (Forssk.) Stapf

In moist-gravelly habitats, rare in the forest.

*Fl. & Fr.:* Sept. – Feb.

*Specimen examined:* STR: Karna ka Bass-Anicut, M.K. Singhadiya & Ravi Prasad 32086 (BSJO).

**Phalaris minor** Retz.

In moist to gravelly habitat, frequent.

*Fl. & Fr.:* Dec. - March.

*Specimen examined:* STR: Silishade, M.K. Singhadiya & Ravi Prasad 32000 (BSJO).

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**RRFERENCES**

- Champion, H. G., & Seth, S. K. (1968). *A revised survey of the forest type of India*. Government of India Press, Delhi.
- Dular, A. K. (2015). Plant diversity assessment of Sariska Tiger Reserve in Aravallis with emphasis on minor forest product. *Tropical Plant Research* 2(1), 30-35.
- Gupta, S. K., & Yadav, A. S. (2005). Population of Tree Species in Sariska Tiger Reserve: Effect of Hill Slopes and Human Disturbances. *Bulletin of the National Institute of Ecology* pp: 37.
- Hooker, J. D. (1872-1897). *Flora of British India*, I-VII. Reeves & Company, London.
- Jain, S. K., & Rao, R. R. (1977). *A Handbook of Field and Herbarium Methods*. Today's and Tommorow's Printers and Publishers, New Delhi.
- Parmar, P. J. (1985). A contribution to the flora of Sariska Tiger Reserve, Alwar District, Rajasthan. *Bulletin Botanical Survey India* 27(1-4), 29–40.
- Rodgers, W. A., & Panwar, H. S. (1988). *Planning a wildlife protected area network in India, I & II*. Wildlife Institute of India, Dehradun.
- Sharma, S., & Tiagi, B. (1979). *Flora of North-east Rajasthan*. Kalyani

<b>Singhadiya and Prasad</b>	<i>Ind. J. Pure App. Biosci.</i> (2020) 8(6), 173-180	ISSN: 2582 – 2845
Publishers, New Delhi & Ludhiana.		<a href="http://www.ipni.org">http://www.ipni.org</a> : accessed March, 2015.
Shetty, B. V., & Singh, V. (1987, 1991 & 1993). <i>Flora of Rajasthan, I-III.</i> Botanical Survey of India, Calcutta.		The Plant List (2014). Version 1.1. Published on the Internet; <a href="http://www.theplantlist.org">http://www.theplantlist.org</a> : accessed October, 2014.
The International Plant Names Index (2014). Published on the Internet;		