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ANGIOSPERMIC FLORA OF DELHI, INDIA: AN UPDATED CHECKLIST

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ABSTRACT

Delhi is one of most populated city of north India. However, very little information is available regarding angiospermic flora of this region after Maheshwari work's. In present study an attempt has been made to provide an updated checklist of flowering plants from this region. The study is based on previous literature available and our field survey study from the region.

Keywords: Species, Taxa; Flora, Delhi

INTRODUCTION

Delhi is located in northern India between the latitudes of 28°-24'-17" and 28°-53'-00" North and longitudes of 76°-50'-24" and 77°-20'-37" East. Delhi shares borders with the Uttar Pradesh and Haryana and occupies an area of 1,483 sq. kms. The average annual rainfall in is 66.6 cm. Delhi contains mean annual maximum temperature is 46 °C as well minimum is 4 °C due to which December is coldest and June is hottest month.

A perusal of literature revealed that the vegetation of Delhi has attracted the attention of many Indian and foreigner botanists. The earliest published report on the botany of this region was that of John (1799-1858), an English army man, who was the pioneer plant explorer of Northern India and Himalayan Mountains. A comprehensive account of floral diversity was made by Maheshwari (1950-55) and collected 478 species from this region.

After Maheshwari, there was no serious attempt to study the floristic diversity of Delhi as is evidenced by only few published reports mostly concerned with new records.

Among these Dakshini and Vijayaraghavan (1970) recorded *Cotula australis* (Sebb. ex Spreng) Hook. f.; Viswanathan *et al.*, (1982, 1984), recorded 10 species belonging to 9 genera; Viswanathan and Singh (1986), reported *Calibrachoa parviflora* (Juss.) D'Arcy; Sharma and Ahmed (1990, 1991) recorded *Cocculus pendulus* and *Capparis zeylanica*; Sharma (1994, 1997 and 2002) reported *Balanophora dioica* Royle, *Alternanthera paronychioides* St., *Dipcadi erythraeum* Webb. & Berth. *Sesamum mulayanum* Nair; Chaman *et al.*, (2002) surveyed the aquatic vegetation in and around Delhi.

Kumar and Yadav (2005) explored the grasses of Delhi region, where in he reported 128 species (Excluding bamboos) belonging to 70 genera, of which 24 species, 1 sub-species and 1 variety belonging to 21 genera were new records for the region.

Recently, Naithani *et al.*, (2006) extensively explored the ridges of Delhi wherein he reported 414 species of angiosperms belonging to 270 genera and 80 families. Among these, 37 species belonging to 36 genera were new records for Delhi region. Mishra *et al.*, (2014, 2015) reported 15 species as new records from Delhi region during our survey (2011-2015). The nomenclature update of these plant species from <http://www.theplantlist.org>.

MATERIALS AND METHODS

The following checklist of flowering plant species is based on the literature available from various sources and our survey work.

RESULTS AND DISCUSSION

The present checklist of angiospermic species revealed the occurrence of 604 species of belonging to 92 families and 399 genera (Table 1).

Research Article

Table 1: List of flowering plant species from Delhi, India

S.No	Family	Plant name	Habit	Reference
1	Acanthaceae	<i>Andrographis echioides</i> (L.) Nees.	Herb	Maheshwari, (1963); Mishra et al., (2012)
2	Acanthaceae	<i>Andrographis paniculata</i> (Burm. f.) Nees.	Herb	Maheshwari, (1963); Mishra et al., (2011)
3	Acanthaceae	<i>Barleria cristata</i> var. <i>dichotoma</i>	Shrub	Maheshwari, (1963); Mishra et al., (2012)
4	Acanthaceae	<i>Barleria priontis</i> L.	Shrub	Maheshwari, (1963); Mishra et al., (2011)
5	Acanthaceae	<i>Blepharis maderaspatensis</i> (L.) B. Heyne ex Roth	Herb	Maheshwari, (1963); Mishra et al., (2011)
6	Acanthaceae	<i>Dipteracanthus prostratus</i> (Poir.) Nees	Herb	Maheshwari, (1963); Mishra et al., (2011)
7	Acanthaceae	<i>Elytraria acaulis</i> (L.f.) Lindau	Herb	Maheshwari, (1963); Mishra et al., (2011)
8	Acanthaceae	<i>Hemigraphis hirta</i> T. Anderson	Herb	Maheshwari, (1963); Mishra et al., (2011)
9	Acanthaceae	<i>Justicia adhatoda</i> L.	Shrub	Maheshwari, (1963); Mishra et al., (2013)
10	Acanthaceae	<i>Justicia diffusa</i> Willd.	Herb	Maheshwari, (1963); Mishra et al., (2012)
11	Acanthaceae	<i>Justicia japonica</i> Thunb.	Herb	Maheshwari, (1963); Mishra et al., (2013)
12	Acanthaceae	<i>Justicia quinqueangularis</i> K. D	Herb	Maheshwari, (1963); Mishra et al., (2014)
13	Acanthaceae	<i>Lepidagathis cristata</i> Willd	Herb	Maheshwari, (1963); Mishra et al., (2011)
14	Acanthaceae	<i>Lepidagathis hamiltoniana</i> Wall. ex. Nees	Shrub	Naithani et al., (2006)
15	Acanthaceae	<i>Peristrophe bicalyculata</i> (Retz.) Nees.	Herb	Maheshwari, (1963); Mishra et al., (2011)
16	Acanthaceae	<i>Ruellia angustiflora</i> (Nees) Lindau ex Rambo	Herb	Maheshwari, (1963); Mishra et al., (2012)
17	Acanthaceae	<i>Ruellia patula</i> Jacq.	Shrub	Maheshwari, (1963); Mishra et al., (2011)
18	Acanthaceae	<i>Rungia pectinata</i> (L.) Nees	Herb	Maheshwari, (1963); Mishra et al., (2012)
19	Acanthaceae	<i>Rungia repens</i> (L.) Nees.	Herb	Maheshwari, (1963); Mishra et al., (2011)
20	Aizoaceae	<i>Trianthema crystallina</i> (Forssk.)	Herb	Maheshwari, (1963); Mishra et al., (2011)
21	Aizoaceae	<i>Trianthema portulacastrum</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
22	Alismataceae	<i>Sagittaria guayanensis</i> Kunth	Herb	Maheshwari, (1963); Mishra et al., (2012)
23	Amaranthaceae	<i>Achyranthes aspera</i> L. var. <i>porphyristachya</i> Hook.	Herb	Maheshwari, (1963); Mishra et al., (2011)
24	Amaranthaceae	<i>Aerva javanica</i> (Burm.f.) Juss. ex Schult	Herb	Maheshwari, (1963); Mishra et al., (2011)

Research Article

25	Amaranthaceae	<i>Aerva lanata</i> (L.) Juss.	Herb	Maheshwari, (1963); Mishra et al., (2011)
26	Amaranthaceae	<i>Alternanthera ficoidea</i> (L.) Sm.	Herb	Maheshwari, (1963); Mishra et al., (2011)
27	Amaranthaceae	<i>Alternanthera paronychioides</i> A. St- Hil.	Herb	Maheshwari, (1963); Mishra et al., (2011)
28	Amaranthaceae	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	Herb	Mishra et al., (2011)
29	Amaranthaceae	<i>Alternanthera pungens</i> Kunth	Herb	Maheshwari, (1963); Mishra et al., (2011)
30	Amaranthaceae	<i>Alternanthera sessilis</i> (L.) R.Br. ex DC.	Herb	Maheshwari, (1963); Mishra et al., (2011)
31	Amaranthaceae	<i>Amaranthus cruentus</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
32	Amaranthaceae	<i>Amaranthus spinosus</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
33	Amaranthaceae	<i>Amaranthus viridis</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
34	Amaranthaceae	<i>Celosia argentea</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
35	Amaranthaceae	<i>Chenopodium album</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
36	Amaranthaceae	<i>Chenopodium murale</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
37	Amaranthaceae	<i>Digera muricata</i> (L.) Mart.	Herb	Maheshwari, (1963); Mishra et al., (2011)
38	Amaranthaceae	<i>Dysphania ambrosioides</i> (L.) Mosyakin & Clemants	Shrub	Maheshwari, (1963); Mishra et al., (2013)
39	Amaranthaceae	<i>Gomphrena celosiodes</i> Mart.	Herb	Maheshwari, (1963); Mishra et al., (2011)
40	Amaranthaceae	<i>Pupalia lappacea</i> (L.) Juss.	Herb	Maheshwari, (1963); Mishra et al., (2011)
41	Amaranthaceae	<i>Salsola imbricata</i> Forssk.	Herb	Maheshwari, (1963); Mishra et al., (2014)
42	Amaranthaceae	<i>Suaeda maritima</i> (L.) Dumort.	Shrub	Maheshwari, (1963); Mishra et al., (2012)
43	Amaranthaceae	<i>Suaeda vermiculata</i> Forssk. ex J. F. Gmel	Herb	Maheshwari, (1963); Mishra et al., (2013)
44	Anacardiaceae	<i>Mangifera indica</i> L.	Tree	Maheshwari, (1963); Mishra et al., (2013)
45	Annonaceae	<i>Polyalthia longifolia</i> (Sonn.) Thwaites	Tree	Maheshwari, (1963); Mishra et al., (2013)
46	Apiaceae	<i>Ammi majus</i> L.	Herb	Mishra et al., (2011)
47	Apiaceae	<i>Anethum graveolens</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2013)
48	Apiaceae	<i>Centella asiatica</i> (L.) Urb.	Herb	Maheshwari, (1963); Mishra et al., (2013)
49	Apiaceae	<i>Oenanthe javanica</i> (Blume) DC.	Herb	Maheshwari, (1963); Mishra et al., (2013)
50	Apiaceae	<i>Seseli diffusum</i> (Roxb. ex Sm.)	Herb	Naithani et al., (2006)

Research Article

51	Apocynaceae	Santapau & Wagh <i>Alstonia scholaris</i> (L.) R. Br.	Tree	Maheshwari, (1963); Mishra et al., (2011)
52	Apocynaceae	<i>Calotropis gigantea</i> (L.) Dryand	Shrub	Mishra et al., (2011)
53	Apocynaceae	<i>Calotropis procera</i> (Aiton) W. T. Aiton	Shrub	Maheshwari, (1963); Mishra et al., (2011)
54	Apocynaceae	<i>Carissa spinarum</i> L.	Shrub	Maheshwari, (1963); Mishra et al., (2011)
55	Apocynaceae	<i>Cascabela thevetia</i> (L.) Lippold	Shrub	Maheshwari, (1963); Mishra et al., (2011)
56	Apocynaceae	<i>Catharanthus pusillus</i> (Murray) G. Don.	Herb	Maheshwari, (1963); Mishra et al., (2011)
57	Apocynaceae	<i>Catharanthus roseus</i> (L.) G. Don	Herb	Maheshwari, (1963); Mishra et al., (2011)
58	Apocynaceae	<i>Ceropegia bulbosa</i> Roxb.	Herb	Maheshwari, (1963); Mishra et al., (2011)
59	Apocynaceae	<i>Holoarrhena pubescens</i> Wall. ex. G. Don	Tree	Maheshwari, (1963); Mishra et al., (2012)
60	Apocynaceae	<i>Ichnocarpus frutescens</i> (L.) W. T. Aiton	Shrub	Maheshwari, (1963); Mishra et al., (2012)
61	Apocynaceae	<i>Leptadenia reticulata</i> (Retz.) Wight. & Arn.	Climber	Maheshwari, (1963); Mishra et al., (2013)
62	Apocynaceae	<i>Oxystelma esculentum</i> (L. f.) Sm.	Climber	Maheshwari, (1963); Mishra et al., (2011)
63	Apocynaceae	<i>Pergularia daemia</i> (Forsk.) Chiov.	Climber	Maheshwari, (1963); Mishra et al., (2011)
64	Apocynaceae	<i>Plumeria obtusa</i> L.	Tree	Maheshwari, (1963); Mishra et al., (2012)
65	Apocynaceae	<i>Plumeria rubra</i> L.	Tree	Maheshwari, (1963); Mishra et al., (2012)
66	Apocynaceae	<i>Rauvolfia serpentina</i> (L.) Benth. ex Kurz	Shrub	Maheshwari, (1963); Mishra et al., (2012)
67	Apocynaceae	<i>Tabernaemontana divaricata</i> (L.) R.Br. ex Roem. & Schult.	Shrub	Maheshwari, (1963); Mishra et al., (2011)
68	Apocynaceae	<i>Telosma pallida</i> (Roxb.) Craib.	Shrub	Maheshwari, (1963); Mishra et al., (2013)
69	Apocynaceae	<i>Vallis solanacea</i> (Roth.) Kunth.	Shrub	Naithani et al., (2006); Mishra et al., (2013)
70	Apocynaceae	<i>Wrightia tinctoria</i> R.Br.	Tree	Maheshwari, (1963); Mishra et al., (2013)
71	Araceae	<i>Alocasia macrorrhizos</i> (L.) G. Don	Herb	Maheshwari, (1963); Mishra et al., (2012)
72	Araceae	<i>Colocasia esculenta</i> (L.) Schott.	Herb	Maheshwari, (1963); Mishra et al., (2013)
73	Araceae	<i>Lemna aequinoctialis</i> Welw.	Herb	Maheshwari, (1963); Mishra et al., (2012)
74	Araceae	* <i>Pistia stratiotes</i> L.	Herb	Mishra et al., (2015)
75	Araceae	<i>Spirodela polyrhiza</i> (L.) Schleid.	Herb	Maheshwari, (1963); Mishra et al., (2013)

Research Article

76	Arecaceae	<i>Borassus flabellifer</i> L.	Tree	Maheshwari, (1963); Mishra et al., (2012)
77	Arecaceae	<i>Caryota urens</i> L.	Tree	Maheshwari, (1963); Mishra et al., (2011)
78	Arecaceae	<i>Phoenix sylvestris</i> (L.) Roxb.	Tree	Maheshwari, (1963); Mishra et al., (2011)
79	Arecaceae	<i>Roystonea regia</i> (Kunth) O.F.Cook	Tree	Maheshwari, (1963); Mishra et al., (2012)
80	Arecaceae	<i>Sabal mauritiiformis</i> (H.Karst.) Griseb. & H.Wendl.	Tree	Maheshwari, (1963); Mishra et al., (2013)
81	Aristolochiaceae	<i>Aristolochia littoralis</i> Parodi	Climber	Maheshwari, (1963); Mishra et al., (2012)
82	Asparagaceae	<i>Agave schidigera</i> Lem.	Shrub	Maheshwari, (1963); Mishra et al., (2012)
83	Asparagaceae	<i>Asparagus racemosus</i> Willd.	Shrub	Maheshwari, (1963); Mishra et al., (2011)
84	Asparagaceae	<i>Dipcadi erythraeum</i> Webb. & Benth	Herb	Sharma, (1997); Mishra et al., (2011)
85	Asparagaceae	<i>Dipcadi montanum</i> (Dalzell) Baker	Herb	Naithani et al., (2006)
86	Asparagaceae	<i>Drimia indica</i> (Roxb.) Jessop	Herb	Maheshwari, (1963); Mishra et al., (2013)
87	Asteraceae	<i>Ageratum conyzoides</i> (L.) L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
88	Asteraceae	<i>Artemisia scoparia</i> Waldst. & Kit.	Herb	Maheshwari, (1963); Mishra et al., (2011)
89	Asteraceae	<i>Bidens biternata</i> (Lour.) Merr. & Sherff	Herb	Maheshwari, (1963); Mishra et al., (2011)
90	Asteraceae	<i>Blainvillea acmella</i> (L.) Philipson	Herb	Maheshwari, (1963); Mishra et al., (2011)
91	Asteraceae	<i>Blumea lacera</i> (Burm.f.) DC.	Herb	Maheshwari, (1963); Mishra et al., (2013)
92	Asteraceae	<i>Caesulia axillaris</i> Roxb.	Herb	Maheshwari, (1963); Mishra et al., (2012)
93	Asteraceae	<i>Calendula officinalis</i> L.	Herb	Maheshwari, (1963)
94	Asteraceae	<i>Carthamus oxyacantha</i> M. Bieb.	Herb	Maheshwari, (1963); Mishra et al., (2012)
95	Asteraceae	* <i>Chromolaena odorata</i> (L.) R. M. King & H.Rob.,	Shrub	Mishra et al., (2014)
96	Asteraceae	<i>Cichorium intybus</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2013)
97	Asteraceae	<i>Cirsium arvense</i> (L.) Scop.	Herb	Maheshwari, (1963); Mishra et al., (2013)
98	Asteraceae	<i>Conyza bonariensis</i> (L.) Cronquist	Herb	Maheshwari, (1963); Mishra et al., (2012)
99	Asteraceae	<i>Conyza laciniata</i> Wall. ex Roxb.	Herb	Maheshwari, (1963); Mishra et al., (2013)
100	Asteraceae	<i>Cotula hemisphaerica</i> Wall.	Herb	Maheshwari, (1963); Mishra et al., (2013)
101	Asteraceae	<i>Cotula australis</i> (Sieb. ex Spreng.) Hook. f.	Herb	Dakshini & Vijayaraghavan,

Research Article

102	Asteraceae	<i>Cyanthillium cinereum</i> (L.)H. Rob.	Herb	(1970) Maheshwari, (1963); Mishra et al., (2011)
103	Asteraceae	<i>Dicoma tomentosa</i> Cass.	Herb	Naithani et al.,(2006); Mishra et al., (2012)
104	Asteraceae	<i>Echinops echinatus</i> Roxb.	Herb	Maheshwari, (1963); Mishra et al., (2012)
105	Asteraceae	<i>Eclipta prostrata</i> (L.) L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
106	Asteraceae	<i>Gnaphalium indicum</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2012)
107	Asteraceae	<i>Gnaphalium pensusyanicum</i> Willd.	Herb	Naithani et al.,(2006); Mishra et al.(2011)
108	Asteraceae	<i>Grangea maderaspatana</i> (L.) Poir.	Herb	Maheshwari, (1963); Mishra et al., (2011)
109	Asteraceae	<i>Lactuca dissecta</i> D. Don.	Herb	Viswanathan et al.,(1982); Naithani et al. (2006); Mishra et al., (2013)
110	Asteraceae	<i>Laggera aurita</i> Sch. Bip. ex Schweinf.	Herb	Maheshwari, (1963); Mishra et al., (2012)
111	Asteraceae	<i>Launaea aspleniifolia</i> (L.) Hook.	Herb	Maheshwari, (1963); Mishra et al., (2014)
112	Asteraceae	<i>Launaea nudicaulis</i> (L.) Hook.f.	Herb	Maheshwari, (1963); Mishra et al., (2012)
113	Asteraceae	<i>Parthenium hysterophorus</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2013)
114	Asteraceae	<i>Pentanema indicum</i> (L.) Ling	Herb	Maheshwari, (1963); Mishra et al., (2012)
115	Asteraceae	<i>Pluchea lanceolata</i> (DC.) C. B. Clarke	Herb	Maheshwari, (1963); Mishra et al., (2013)
116	Asteraceae	<i>Pseudognaphalium</i> affine (D.Don) Anderb.	Herb	Maheshwari, (1963); Mishra et al., (2013)
117	Asteraceae	<i>Pulicaria angustifolia</i> DC.	Herb	Naithani et al.,(2006); Mishra et al., (2012)
118	Asteraceae	<i>Pulicaria crispa</i> Sch. Bip.	Herb	Maheshwari, (1963); Mishra et al., (2013)
119	Asteraceae	* <i>Saussurea heteromalla</i> (D.Don) Hand.-Mazz	Herb	Mishra et al.,(2014)
120	Asteraceae	<i>Soliva anthemifolia</i> (Juss.)	Herb	Naithani et al.,(2006); Mishra et al., (2012)
121	Asteraceae	<i>Sonchus arvensis</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
122	Asteraceae	<i>Sonchus asper</i> (L.) Hill	Herb	Maheshwari, (1963); Mishra et al., (2012)
123	Asteraceae	<i>Sonchus oleraceus</i> L. (L.)	Herb	Maheshwari, (1963);

Research Article

124	Asteraceae	<i>Synedrella vialis</i> (Less.) A.Gray	Herb	Mishra et al., (2012) Viswanathan et al., (1984); Naithani et al., (2006); Mishra et al., (2012)
125	Asteraceae	<i>Tagetes patula</i> L.	Herb	Mishra et al., (2012)
126	Asteraceae	<i>Tridax procumbens</i> (L.) L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
127	Asteraceae	<i>Vicoa vestita</i> Benth. ex Hook	Herb	Maheshwari, (1963); Mishra et al., (2013)
128	Asteraceae	<i>Wedelia chinensis</i> Merr.	Herb	Mishra et al., (2012)
129	Asteraceae	<i>Xanthium strumarium</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
130	Balanophoraceae	<i>Balanophora dioica</i> Royle	Parasites	Sharma, (2002)
131	Basellaceae	<i>Basella alba</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
132	Bignoniaceae	<i>Crescentia cujete</i> L.	Tree	Sharma, (1990)
133	Bignoniaceae	<i>Fernandoa adenophylla</i> (Wall. ex G.Don) Steenis	Tree	Maheshwari, (1963); Mishra et al., (2011)
134	Bignoniaceae	<i>Jacaranda mimiosifolia</i> D. Don	Tree	Maheshwari, (1963); Mishra et al., (2013)
135	Bignoniaceae	<i>Kigelia africana</i> (Lam.) Benth.	Tree	Maheshwari, (1963); Mishra et al., (2011)
136	Bignoniaceae	<i>Tecoma stans</i> (L.) Juss. ex Kunth	Shrub	Maheshwari, (1963); Mishra et al., (2011)
137	Bignoniaceae	<i>Tecomella undulata</i> (Sm.) Seem.	Shrub	Maheshwari, (1963); Mishra et al., (2013)
138	Boraginaceae	<i>Coldenia procumbens</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2014)
139	Boraginaceae	<i>Cordia dichotoma</i> G.Forst.	Tree	Maheshwari, (1963); Mishra et al., (2011)
140	Boraginaceae	<i>Cordia sinensis</i> Lam.	Tree	Maheshwari, (1963); Mishra et al., (2011)
141	Boraginaceae	<i>Ehretia laevis</i> Roxb.	Tree	Maheshwari, (1963); Mishra et al., (2013)
142	Boraginaceae	<i>Heliotropium curassavium</i> DC.	Herb	Mishra et al., (2012)
143	Boraginaceae	* <i>Heliotropium indicum</i> L.	Herb	Mishra et al., (2015)
144	Boraginaceae	<i>Heliotropium strigosum</i> Willd.	Herb	Maheshwari, (1963); Mishra et al., (2011)
145	Boraginaceae	<i>Heliotropium supinum</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2013)
146	Boraginaceae	<i>Sericostoma pauciflorum</i> Stock ex Wt.	Shrub	Naithani et al., (2006)
147	Boraginaceae	<i>Trichodesma indicum</i> (L.) Lem.	Herb	Maheshwari, (1963); Mishra et al., (2011)
148	Brassicaceae	<i>Capsella bursa-pastoris</i> (L.) Medik	Herb	Naithani et al., (2006); Mishra et al., (2013)
149	Brassicaceae	<i>Farsetia stylosa</i> R. Br.	Herb	Maheshwari, (1963); Mishra et al., (2013)
150	Brassicaceae	<i>Lepidium didymum</i> L.	Herb	Maheshwari, (1963);

Research Article

151	Brassicaceae	<i>Lepidium sativum</i> L.	Herb	Mishra et al., (2013) Maheshwari, (1963); Mishra et al., (2013)
152	Brassicaceae	<i>Lobularia maritima</i> (L.) Desv.	Herb	Naithani et al.,(2006)
153	Brassicaceae	<i>Rorippa Indica</i> (L.) Hiern.	Herb	Maheshwari, (1963); Mishra et al., (2013)
154	Brassicaceae	<i>Sisymbrium</i> irio L.	Herb	Maheshwari, (1963); Mishra et al., (2013)
155	Cactaceae	<i>Nopalea cochenillifera</i> (L.) Salm-Dyck	Shrub	Mishra et al.,(2012)
156	Cactaceae	<i>Opuntia dillenii</i> (Ker Gawl.) Haw	Shrub	Maheshwari, (1963); Mishra et al., (2013)
157	Cannabaceae	<i>Cannabis sativa</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2012)
158	Capparaceae	<i>Capparis decidua</i> (Forssk.) Edgew.	Tree	Maheshwari, (1963); Mishra et al., (2013)
159	Capparaceae	<i>Capparis sepiaria</i> L.	Shrub	Maheshwari, (1963); Mishra et al., (2013)
160	Capparaceae	<i>Capparis zeylanica</i> L.	Shrub	Sharma & Javed (1990); Mishra et al., (2011)
161	Capparaceae	<i>Crateva nurvala</i> Buch.-Ham.	Shrub	Maheshwari, (1963); Mishra et al., (2013)
162	Capparaceae	<i>Maerua arenaria</i> Hook.	Shrub	Maheshwari, (1963); Mishra et al., (2013)
163	Caricaceae	<i>Carica papaya</i> L.	Tree	Maheshwari, (1963); Mishra et al., (2011)
164	Caryophyllaceae	<i>Polycarpaea corymbosa</i> (L.) Lam.	Herb	Maheshwari, (1963); Mishra et al.,(2012)
165	Caryophyllaceae	<i>Polycarpon prostratum</i> (Forssk.) Asch. & Schweinf.	Herb	Maheshwari, (1963); Mishra et al.,(2012)
166	Caryophyllaceae	<i>Spergula arvensis</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
167	Caryophyllaceae	<i>Stellaria media</i> (L.) Vill.	Herb	Maheshwari, (1963); Mishra et al., (2011)
168	Caryophyllaceae	<i>Vaccaria hispanica</i> (Mill.) Rauschert	Herb	Maheshwari, (1963); Mishra et al., (2013)
169	Celastraceae	<i>Gymnosporia senegalensis</i> (Lam.) Loes.	Shrub	Maheshwari, (1963); Mishra et al., (2011)
170	Ceratophyllaceae	<i>Ceratophyllum demersum</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
171	Cleomaceae	<i>Cleome gynandra</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
172	Cleomaceae	<i>Cleome viscosa</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
173	Combretaceae	<i>Anogeissus pendula</i> Edgew	Tree	Maheshwari, (1963); Mishra et al., (2011)
174	Combretaceae	<i>Terminalia arjuna</i> (Roxb. ex DC.) Wight & Arn	Tree	Maheshwari, (1963); Mishra et al.,(2012)
175	Combretaceae	<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Tree	Maheshwari, (1963); Mishra et al.,(2012)

Research Article

176	Commelinaceae	<i>Commelina benghalensis</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
177	Commelinaceae	<i>Commelina forskalii</i> Vahl.	Herb	Maheshwari, (1963); Mishra et al., (2011)
178	Commelinaceae	<i>Commelina undulata</i> R. Br.	Herb	Maheshwari, (1963); Mishra et al., (2011)
179	Convolvulaceae	<i>Convolvulus arvensis</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
180	Convolvulaceae	<i>Convolvulus pluricaulis</i> choisy	Herb	Maheshwari, (1963); Mishra et al.,(2012)
181	Convolvulaceae	<i>Cressa cretica</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2012)
182	Convolvulaceae	<i>Cuscuta chinensis</i> Lam.	Parasites	Viswanathan et al.,(1982); Mishra et al., (2011)
183	Convolvulaceae	<i>Cuscuta reflexa</i> Roxb.	Parasites	Maheshwari, (1963); Mishra et al.,(2012)
184	Convolvulaceae	<i>Evolvulus alsinoides</i> (L.) L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
185	Convolvulaceae	<i>Evolvulus nummularius</i> (L.) L.	Herb	Naithani et al.,(2006); Mishra et al., (2011)
186	Convolvulaceae	<i>Ipomoea aquatica</i> Forssk.	Climber	Maheshwari, (1963); Mishra et al., (2011)
187	Convolvulaceae	<i>Ipomoea cairica</i> (L.) Sweet.	Climber	Maheshwari, (1963); Mishra et al., (2013)
188	Convolvulaceae	<i>Ipomoea carnea</i> Jacq.	Shrub	Maheshwari, (1963); Mishra et al., (2013)
189	Convolvulaceae	<i>Ipomoea eriocara</i> (R.Br.) Spreng.	Climber	Maheshwari, (1963); Mishra et al.,(2012)
190	Convolvulaceae	<i>Ipomoea hederifolia</i> L.	Climber	Maheshwari, (1963); Mishra et al., (2011)
191	Convolvulaceae	<i>Ipomoea nil</i> (L.) Roth	Climber	Maheshwari, (1963); Mishra et al., (2011)
192	Convolvulaceae	<i>Ipomoea obscura</i> L. Ker Gawl	Climber	Maheshwari, (1963); Mishra et al., (2011)
193	Convolvulaceae	<i>Ipomoea pes-tigridis</i> L.	Climber	Maheshwari, (1963); Mishra et al., (2011)
194	Convolvulaceae	<i>Ipomoea sindica</i> Stapf	Climber	Maheshwari, (1963); Mishra et al., (2012)
195	Convolvulaceae	* <i>Ipomoea triloba</i> L.	Climber	Mishra et al.,(2014)
196	Convolvulaceae	<i>Merremia aegyptia</i> (L.)Urb.	Climber	Maheshwari, (1963); Mishra et al., (2012)
197	Convolvulaceae	<i>Operculina turpethum</i> (Linn.) Manso	Silva Climber	Maheshwari, (1963); Mishra et al., (2012)
198	Convolvulaceae	<i>Rivea hypocrateriformis</i> Chiosy	Shrub	Maheshwari, (1963); Mishra et al., (2012)
199	Cucurbitaceae	<i>Citrullus colocynthis</i> (L.) Schard.	Herb	Maheshwari, (1963); Mishra et al., (2011)
200	Cucurbitaceae	<i>Coccinia grandis</i> (L.) Voigt	Shrub	Maheshwari, (1963);

Research Article

201	Cucurbitaceae	<i>Cucumis prophetarum</i> L.	Herb	Mishra et al., (2011) Naithani et al.,(2006); Mishra et al., (2011)
202	Cucurbitaceae	<i>Cucumis sativus</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
203	Cucurbitaceae	<i>Mukia maderaspatana</i> (L.) M. Roem.,	Climber	Maheshwari, (1963); Mishra et al., (2011)
204	Cucurbitaceae	<i>Momordica charantia</i> L.	Climber	Maheshwari, (1963); Mishra et al., (2012)
205	Cucurbitaceae	<i>Momordica dioica</i> Roxb. ex Willd.	Climber	Maheshwari, (1963); Mishra et al., (2011)
206	Cucurbitaceae	<i>Trichosanthes cucumerina</i> L.	Climber	Maheshwari, (1963); Mishra et al., (2011)
207	Cyperaceae	<i>Blysmus rufus</i> (Huds.) Link	Sedge	Maheshwari, (1963); Mishra et al., (2011)
208	Cyperaceae	<i>Bolboschoenus glaucus</i> (Lam.) S.G.Sm.	Sedge	Maheshwari, (1963); Mishra et al., (2013)
209	Cyperaceae	<i>Bolboschoenus maritimus</i> subsp. <i>affinis</i> (Roth) T.Koyama	Sedge	Maheshwari, (1963); Mishra et al., (2012)
210	Cyperaceae	<i>Cyperus alopecuroides</i> Rottb.	Sedge	Maheshwari, (1963); Mishra et al., (2011)
211	Cyperaceae	<i>Cyperus compressus</i> L.	Sedge	Maheshwari, (1963); Mishra et al., (2011)
212	Cyperaceae	<i>Cyperus difformis</i> L.	Sedge	Maheshwari, (1963); Mishra et al., (2012)
213	Cyperaceae	<i>Cyperus dubius</i> Rottb.	Sedge	Maheshwari, (1963); Mishra et al., (2011)
214	Cyperaceae	<i>Cyperus iria</i> L.	Sedge	Maheshwari, (1963); Mishra et al., (2011)
215	Cyperaceae	<i>Cyperus niveus</i> Retz.	Sedge	Maheshwari, (1963); Mishra et al., (2011)
216	Cyperaceae	<i>Cyperus rotundus</i> L.	Sedge	Maheshwari, (1963); Mishra et al., (2011)
217	Cyperaceae	<i>Fimbristylis dichotoma</i> (L.) Vahl	Sedge	Maheshwari, (1963); Mishra et al., (2011)
218	Cyperaceae	<i>Fimbristylis quadrangularis</i> A. Dietr. ex. Steud	Sedge	Maheshwari, (1963); Mishra et al., (2012)
219	Cyperaceae	<i>Kyllinga brevifolia</i> Rottb.	Sedge	Maheshwari, (1963); Mishra et al., (2011)
220	Cyperaceae	<i>Rhynchospora colorata</i> (L.) H. Pfeiff.	Sedge	Maheshwari, (1963); Mishra et al., (2011)
221	Cyperaceae	<i>Schoenoplectiella supina</i> (L.) Lye	Sedge	Kumar & Yadav, (2005); Mishra et al., (2011)
222	Ebenaceae	<i>Diospyros montana</i> Roxb.	Tree	Maheshwari, (1963); Mishra et al., (2011)
223	Elatinaceae	<i>Bergia ammanioides</i> Roxb.	Herb	Maheshwari, (1963); Mishra et al., (2014)
224	Euphorbiaceae	<i>Acalypha indica</i> L.	Herb	Maheshwari, (1963);

Research Article

225	Euphorbiaceae	<i>Chrozophora plicata</i> (Vahl) A.Juss. ex Spreng.	Herb	Mishra et al., (2011) Maheshwari, (1963); Mishra et al., (2013)
226	Euphorbiaceae	<i>Croton bonplandianus</i> Baill.	Herb	Maheshwari, (1963); Mishra et al., (2011)
227	Euphorbiaceae	<i>Euphorbia clarkeana</i> Hook.f.	Herb	Maheshwari, (1963); Mishra et al., (2012)
228	Euphorbiaceae	<i>Euphorbia cyathophora</i> Murray	Herb	Maheshwari, (1963); Mishra et al., (2011)
229	Euphorbiaceae	<i>Euphorbia dracunculoides</i> Lamk.	Herb	Maheshwari, (1963); Mishra et al., (2013)
230	Euphorbiaceae	<i>Euphorbia granulata</i> Forssk.	Herb	Maheshwari, (1963)
231	Euphorbiaceae	<i>Euphorbia heliscopia</i> L.	Herb	Viswanathan et al.,(1982)
232	Euphorbiaceae	<i>Euphorbia heyneana</i> L.	Herb	Viswanathan et al.,(1982)
233	Euphorbiaceae	<i>Euphorbia heterophylla</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
234	Euphorbiaceae	<i>Euphorbia hirta</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
235	Euphorbiaceae	<i>Euphorbia hypericifolia</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
236	Euphorbiaceae	<i>Euphorbia neriifolia</i> L.	Shrub	Maheshwari, (1963); Mishra et al., (2012)
237	Euphorbiaceae	<i>Euphorbia prostrata</i> Aiton	Herb	Maheshwari, (1963); Mishra et al., (2011)
238	Euphorbiaceae	<i>Euphorbia pycnostegia</i> Boiss.	Herb	Naithani et al.,(2006); Mishra et al., (2011)
239	Euphorbiaceae	<i>Euphorbia serpens</i> Kunth.	Herb	Naithani et al.,(2006); Mishra et al., (2011)
240	Euphorbiaceae	<i>Euphorbia thymifolia</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
241	Euphorbiaceae	<i>Jatropha gossypifolia</i> L.	Shrub	Maheshwari, (1963); Mishra et al., (2011)
242	Euphorbiaceae	<i>Jatropha integerrima</i> Jacq.	Shrub	Maheshwari, (1963); Mishra et al., (2012)
243	Euphorbiaceae	<i>Ricinus communis</i> L.	Shrub	Maheshwari, (1963); Mishra et al., (2013)
244	Fabaceae	<i>Abrus precatorius</i> L.	Climber	Maheshwari, (1963); Mishra et al., (2011)
245	Fabaceae	<i>Acacia catechu</i> Willd.	Tree	Maheshwari, (1963); Mishra et al., (2011)
246	Fabaceae	<i>Acacia leucophloea</i> (Roxb.) Willd.	Tree	Maheshwari, (1963); Mishra et al., (2011)
247	Fabaceae	<i>Acacia modesta</i> Wall.	Tree	Maheshwari, (1963); Mishra et al., (2011)
248	Fabaceae	<i>Acacia nilotica</i> var. <i>indica</i> (Benth.) A.F.Hill	Tree	Maheshwari, (1963); Mishra et al., (2011)

Research Article

249	Fabaceae	<i>Acacia senegal</i> (L.) Willd.	Tree	Maheshwari, (1963); Mishra et al., (2011)
250	Fabaceae	<i>Acacia tortilis</i> (Forsk.) Hyne	Climber	Naithani et al.,(2006); Mishra et al., (2011)
251	Fabaceae	<i>Aeschynomene indica</i> L.	Shrub	Maheshwari, (1963); Mishra et al., (2011)
252	Fabaceae	<i>Albizia amara</i> (Roxb.) B. Boivin	Tree	Maheshwari, (1963); Mishra et al., (2013)
253	Fabaceae	<i>Albizia lebbeck</i> (L.) Benth.	Tree	Maheshwari, (1963); Mishra et al., (2011)
254	Fabaceae	<i>Alhagi marorum</i> Medik.	Shrub	Maheshwari, (1963); Mishra et al., (2013)
255	Fabaceae	<i>Alysicarpus bupleurifolius</i> DC.	Herb	Maheshwari, (1963); Mishra et al., (2011)
256	Fabaceae	<i>Alysicarpus vaginalis</i> DC.	Herb	Maheshwari, (1963); Mishra et al., (2011)
257	Fabaceae	<i>Bauhinia purpurea</i> L.	Tree	Maheshwari, (1963); Mishra et al., (2012)
258	Fabaceae	<i>Bauhinia tomentosa</i> L.	Shrub	Maheshwari, (1963); Mishra et al., (2011)
259	Fabaceae	<i>Bauhinia vahlii</i> Wight & Arn.	Climber	Maheshwari, (1963); Mishra et al., (2013)
260	Fabaceae	<i>Bauhinia variegata</i> L.	Tree	Maheshwari, (1963); Mishra et al., (2013)
261	Fabaceae	<i>Butea monosperma</i> (Lam.) Taub.	Tree	Maheshwari, (1963); Mishra et al., (2013)
262	Fabaceae	<i>Caesalpinia crista</i> L.	Shrub	Maheshwari, (1963); Mishra et al., (2011)
263	Fabaceae	<i>Caesalpinia pulcherrima</i> (L.) Sw.	Shrub	Maheshwari, (1963); Mishra et al., (2013)
264	Fabaceae	<i>Cajanus scarabaeoides</i> (L.) Thouars	Shrub	Naithani et al.,(2006); Mishra et al., (2011)
265	Fabaceae	<i>Calliandra haematocephala</i> Hassk.	Shrub	Krishen (2006); Mishra et al.,(2012)
266	Fabaceae	<i>Cassia fistula</i> L.	Tree	Maheshwari, (1963)
267	Fabaceae	<i>Canavalia cathartica</i> Thouars	Herb	Viswanathan et al.,(1984)
268	Fabaceae	<i>Cassia javanica</i> L.	Tree	Maheshwari, (1963); Mishra et al.,(2013)
269	Fabaceae	<i>Cassia roxburghii</i> DC.	Tree	Maheshwari, (1963); Mishra et al.,(2012)
270	Fabaceae	* <i>Chamaecrista absus</i> (L.) H.S. Irwin & Barneby	Herb	Mishra et al.,(2015)
271	Fabaceae	<i>Chamaecrista pumila</i> (Lam.) K. Larsen	Herb	Maheshwari, (1963); Mishra et al., (2011)
272	Fabaceae	<i>Crotalaria medicaginea</i> var. <i>luxurians</i> (Benth.) Baker	Herb	Maheshwari, (1963); Mishra et al., (2011)
273	Fabaceae	<i>Cullen plicatum</i> (Delile) C. H. Stirt	Herb	Maheshwari, (1963);

Research Article

274	Fabaceae	<i>Dalbergia sissoo</i> Roxburgh ex Candolle	Tree	Mishra et al., (2013) Maheshwari, (1963); Mishra et al.,(2013)
275	Fabaceae	<i>Delonix regia</i> (Hook.) Raf.	Tree	Maheshwari, (1963); Mishra et al.,(2013)
276	Fabaceae	<i>Desmodium ganaetium</i> (L.) DC.	Shrub	Maheshwari, (1963); Mishra et al., (2011)
277	Fabaceae	<i>Desmodium tortuosum</i> (Sw.) DC.	Herb	Viswanathan et al.,(1982)
278	Fabaceae	<i>Desmodium triflorum</i> (L.) DC.	Herb	Maheshwari, (1963); Mishra et al., (2011)
279	Fabaceae	<i>Dichrostachys cinerea</i> (L.) Wight & Arn.	Shrub	Maheshwari, (1963); Mishra et al., (2011)
280	Fabaceae	<i>Indigofera astragalina</i> DC.	Herb	Maheshwari, (1963); Mishra et al., (2012)
281	Fabaceae	<i>Indigofera cordifolia</i> B.Heyne ex Roth	Herb	Maheshwari, (1963); Mishra et al., (2011)
282	Fabaceae	<i>Indigofera hochstetteri</i> Baker	Herb	Maheshwari, (1963); Mishra et al., (2012)
283	Fabaceae	<i>Indigofera linifolia</i> (L.f.) Retz.	Herb	Maheshwari, (1963); Mishra et al., (2011)
284	Fabaceae	<i>Indigofera linnaei</i> Ali	Herb	Maheshwari, (1963); Mishra et al., (2011)
285	Fabaceae	* <i>Indigofera suffruticosa</i> Miller	Shrub	Mishra et al.,(2014)
286	Fabaceae	<i>Indigofera tinctoria</i> L.	Shrub	Maheshwari, (1963); Mishra et al.,(2012)
287	Fabaceae	<i>Lathyrus aphaca</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
288	Fabaceae	<i>Lathyrus sativus</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
289	Fabaceae	<i>Leucaena leucocephala</i> (Lam.) de Wit	Shrub	Maheshwari, (1963); Mishra et al., (2011)
290	Fabaceae	<i>Medicago monantha</i> (C.A.Mey.) Trautv.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
291	Fabaceae	<i>Medicago polymorpha</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
292	Fabaceae	<i>Melilotus indicus</i> (L.) All.	Herb	Maheshwari, (1963); Mishra et al.,(2012)
293	Fabaceae	<i>Melilotus officinalis</i> subsp. <i>alba</i> (Medik.) H.Ohashi & Tateishi	Herb	Maheshwari, (1963); Mishra et al.,(2013)
294	Fabaceae	<i>Mimosa hamata</i> Willd.	Shrub	Maheshwari, (1963); Mishra et al.,(2012)
295	Fabaceae	<i>Mucuna pruriens</i> (L.) DC.	Climber	Maheshwari, (1963); Mishra et al.,(2013)
296	Fabaceae	<i>Parkinsonia aculeata</i> L.	Tree	Maheshwari, (1963); Mishra et al.,(2013)
297	Fabaceae	<i>Peltophorum pterocarpum</i> (DC.) K. Heyne	Tree	Krishen (2006); Mishra et al.,(2011)
298	Fabaceae	<i>Pithecellobium dulce</i> (Roxb.) Benth.	Tree	Maheshwari, (1963); Mishra et al.,(2012)

Research Article

299	Fabaceae	<i>Pongamia pinnata</i> (L.) Pierre	Tree	Maheshwari, (1963); Mishra et al.,(2011)
300	Fabaceae	<i>Prosopis cineraria</i> (L.) Druce	Tree	Maheshwari, (1963); Mishra et al.,(2012)
301	Fabaceae	<i>Prosopis glandulosa</i> Torr.	Tree	Maheshwari, (1963); Mishra et al.,(2012)
302	Fabaceae	<i>Prosopis juliflora</i> (Sw.) DC.	Tree	Maheshwari, (1963); Mishra et al.,(2012)
303	Fabaceae	<i>Pueraria montana</i> var. <i>lobata</i> (Willd.) Sanjappa & Pradeep	Shrub	Maheshwari, (1963); Mishra et al.,(2013)
304	Fabaceae	<i>Rhynchosia minima</i> (L.) DC.	Climber	Maheshwari, (1963); Mishra et al.,(2012)
305	Fabaceae	<i>Saraca indica</i> L.	Tree	Maheshwari, (1963); Mishra et al.,(2013)
306	Fabaceae	<i>Senna alata</i> (L.) Roxb.	shrub	Krishen (2006); Mishra et al.,(2011)
307	Fabaceae	<i>Senna occidentalis</i> (L.) Link.	Shrub	Maheshwari, (1963); Mishra et al.,(2013)
308	Fabaceae	<i>Senna siamea</i> (Lam.) H.S.Irwin & Barneby	Tree	Maheshwari, (1963); Mishra et al.,(2011)
309	Fabaceae	<i>Senna sophera</i> (L.) Roxb.	Shrub	Maheshwari, (1963); Mishra et al.,(2011)
310	Fabaceae	<i>Senna surattensis</i> (Burm.f.) H.S.Irwin & Barneby	Shrub	Maheshwari, (1963); Mishra et al.,(2012)
311	Fabaceae	<i>Senna tora</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
312	Fabaceae	<i>Sesbania bispinosa</i> (Jacq.) W.Wight	Shrub	Maheshwari, (1963); Mishra et al.,(2012)
313	Fabaceae	<i>Sesbania sesban</i> (L.) Merr.	Shrub	Maheshwari, (1963); Mishra et al.,(2011)
314	Fabaceae	<i>Tamarindus indica</i> L.	Tree	Maheshwari, (1963); Mishra et al.,(2011)
315	Fabaceae	<i>Tephrosia pumilla</i> (Lamk.) Pers.	Herb	Maheshwari, (1963); Mishra et al.,(2014)
316	Fabaceae	<i>Tephrosia purpurea</i> (L.) Pers.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
317	Fabaceae	<i>Tephrosia strigosa</i> (Dalzell) Santapau & Mahesh.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
318	Fabaceae	<i>Tephrosia villosa</i> (L.) Pers.	Herb	Maheshwari, (1963); Mishra et al.,(2012)
319	Fabaceae	* <i>Trifolium fragiferum</i> L.	Herb	Mishra et al.,(2015)
320	Fabaceae	<i>Trigonella balansae</i> Boiss. & Reut	Herb	Maheshwari, (1963); Mishra et al.,(2014)
321	Fabaceae	<i>Vicia sativa</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
322	Fabaceae	<i>Vigna vexillata</i> (L.) A.Rich.	Herb	Viswanathan et al.,(1982)
323	Fabaceae	<i>Zornia diphylla</i> (L.) Pers.	Herb	Maheshwari, (1963); Mishra et al.,(2012)
324	Gentianaceae	<i>Centaurium ramosissimum</i> (Sw.)	Herb	Maheshwari, (1963);

Research Article

		Druce		Mishra et al.,(2012)
325	Gentianaceae	<i>Enicostema axilliare</i> (Poir. Ex Lam.) A. Raynal	Herb	Maheshwari, (1963); Mishra et al.,(2011)
326	Gisekiaceae	<i>Gisekia pharnaceoides</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
327	Hydrocharitaceae	<i>Hydrilla verticellata</i> (L.f.) Royle.	Herb	Maheshwari, (1963)
328	Hydrocharitaceae	<i>Najas marina</i> L.	Herb	Lal et al., (2002); Mishra et al.,(2012)
329	Hydrocharitaceae	<i>Vallisneria spiralis</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
330	Hydroleaceae	<i>Hydrolea zeylanica</i> (L.)Vahl	Herb	Maheshwari, (1963)
331	Juncaceae	<i>Juncus bufonius</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
332	Lamiaceae	<i>Clerodendrum indicum</i> (L.) Kuntz.	Shrub	Maheshwari, (1963); Mishra et al.,(2012)
333	Lamiaceae	<i>Clerodendrum phlomidis</i> L. f.	Shrub	Maheshwari, (1963); Mishra et al.,(2012)
334	Lamiaceae	* <i>Glechoma hederacea</i> L.	Herb	Mishra et al.,(2014)
335	Lamiaceae	<i>Hyptis suaveolens</i> (L.) Poit	Herb	Naithani et al.,(2006); Mishra et al., (2012)
336	Lamiaceae	<i>Leucas aspera</i> (Willd.) Link	Herb	Maheshwari, (1963); Mishra et al.,(2012)
337	Lamiaceae	<i>Leucas cephalotes</i> (Roth) Spreng.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
338	Lamiaceae	<i>Leucas urticifolia</i> (Vahl) R.Br. ex Sm.	Herb	Maheshwari, (1963); Mishra et al.,(2012)
339	Lamiaceae	<i>Mentha arevensis</i> L.	Herb	Mishra et al.,(2012)
340	Lamiaceae	<i>Nepeta hindostana</i> (B.Heyne ex Roth) Haines	Herb	Maheshwari, (1963); Mishra et al.,(2011)
341	Lamiaceae	<i>Ocimum americanum</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
342	Lamiaceae	<i>Ocimum basilicum</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
343	Lamiaceae	<i>Ocimum tenuiflorum</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
344	Lamiaceae	<i>Orthosiphon pallidus</i> Royle ex Benth	Herb	Maheshwari, (1963); Mishra et al.,(2012)
345	Lamiaceae	* <i>Pogostemon benghalensis</i> (Burm. f.) O. Kuntze	Shrub	Mishra et al.,(2014)
346	Lamiaceae	<i>Salvia santolinifolia</i> Boiss.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
347	Lamiaceae	<i>Salvia splendens</i> Sellow ex Roem. & Schult.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
348	Lamiaceae	<i>Volkameria inermis</i> L.	Shrub	Maheshwari, (1963); Mishra et al.,(2011)
349	Lythraceae	<i>Ammannia baccifera</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
350	Lythraceae	* <i>Ammannia mutiflora</i> Roxb.	Herb	Mishra et al.,(2015)
351	Lythraceae	<i>Ammannia senegalensis</i> Lamk.	Herb	Maheshwari, (1963);

Research Article

352	Lythraceae	<i>Lagerstroemia speciosa</i> (L.) Pers.	Tree	Mishra et al.,(2014) Maheshwari, (1963); Mishra et al.,(2011)
353	Lythraceae	<i>Lagerstroemia tomentosa</i> C. Presl	Tree	Maheshwari, (1963); Mishra et al.,(2012)
354	Lythraceae	<i>Lawsonia inermis</i> L.	Shrub	Maheshwari, (1963); Mishra et al.,(2011)
355	Malvaceae	* <i>Abutilon hirtum</i> (Lam.) Sweet.	Shrub	Mishra et al.,(2015)
356	Malvaceae	<i>Abutilon indicum</i> L. Sweet.	Shrub	Maheshwari, (1963); Mishra et al.,(2011)
357	Malvaceae	<i>Bombax ceiba</i> L.	Tree	Maheshwari, (1963); Mishra et al.,(2013)
358	Malvaceae	<i>Ceiba speciosa</i> (A.St.-Hil.) Ravenna	Tree	Maheshwari, (1963); Mishra et al.,(2013)
359	Malvaceae	<i>Corchorus aestuans</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
360	Malvaceae	<i>Corchorus capsularis</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
361	Malvaceae	<i>Corchorus depressus</i> (L.) Stocks	Herb	Maheshwari, (1963); Mishra et al.,(2014)
362	Malvaceae	<i>Corchorus fascicularis</i> Lam.	Shrub	Naithani et al. (2006); Mishra et al., (2011)
363	Malvaceae	<i>Corchorus olitorius</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
364	Malvaceae	<i>Corchorus tridens</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
365	Malvaceae	<i>Grewia flavescens</i> Juss.	Shrub	Maheshwari, (1963); Mishra et al.,(2013)
366	Malvaceae	<i>Grewia tentax</i> (Forssk.) Fiori	Shrub	Maheshwari, (1963); Mishra et al.,(2013)
367	Malvaceae	<i>Hibiscus lobatus</i> (Murray) Kuntze	Herb	Maheshwari, (1963); Mishra et al., (2011)
368	Malvaceae	<i>Hibiscus micranthus</i> L.f.	Shrub	Maheshwari, (1963); Mishra et al., (2011)
369	Malvaceae	<i>Hibiscus surattensis</i> L.	Shrub	Royle, (1833); Mishra et al.,(2012)
370	Malvaceae	<i>Hibiscus tiliaceus</i> L.	Tree	Maheshwari, (1963); Mishra et al.,(2013)
371	Malvaceae	<i>Malva parviflora</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
372	Malvaceae	<i>Malvastrum coromandelianum</i> (L.) Garcke	Herb	Maheshwari, (1963); Mishra et al.,(2013)
373	Malvaceae	<i>Melochia corchorifolia</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
374	Malvaceae	<i>Pavonia zeylanica</i> Cav.	Herb	Maheshwari, (1963); Mishra et al.,(2012)
375	Malvaceae	<i>Pterospermum acerifolium</i> (L.) Willd.	Tree	Maheshwari, (1963); Mishra et al., (2011)
376	Malvaceae	<i>Sida acuta</i> Burm.f.	Shrub	Mishra et al.,(2012)

Research Article

377	Malvaceae	<i>Sida alnifolia</i> var. <i>obovata</i> (Wall. Mast.) S.Y. Hu	ex Herb	Maheshwari, (1963); Mishra et al., (2011)
378	Malvaceae	<i>Sida cordata</i> (Burm.f.) Borss. Waalk.	Herb	Maheshwari, (1963); Mishra et al., (2011)
379	Malvaceae	<i>Sida cordifolia</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2011)
380	Malvaceae	<i>Sida ovata</i> Forssk.	Herb	Maheshwari, (1963); Mishra et al., (2014)
381	Malvaceae	<i>Thespesia populnea</i> (L.) Soland	Tree	Maheshwari, (1963); Mishra et al., (2011)
382	Malvaceae	<i>Triumfetta rhomboidea</i> Jacq.	Shrub	Maheshwari, (1963); Mishra et al., (2011)
383	Malvaceae	<i>Urena lobata</i> L.	Shrub	Maheshwari, (1963)
384	Malvaceae	<i>Waltheria indica</i> L.	Herb	Viswanathan et al., (1982); Naithani et al. (2006), Mishra et al., (2011)
385	Martyniaceae	<i>Martynia annua</i> L.	Shrub	Maheshwari, (1963); Mishra et al., (2011)
386	Meliaceae	<i>Azadirachta indica</i> A. Juss.	Tree	Maheshwari, (1963); Mishra et al., (2012)
387	Meliaceae	<i>Melia azedarach</i> L.	Tree	Maheshwari, (1963); Mishra et al., (2012)
388	Menispermaceae	<i>Cissampelos pareira</i> L.	Shrub	Maheshwari, (1963); Mishra et al., (2011)
389	Menispermaceae	<i>Cocculus hirsutus</i> (L.) W.Theob.	Shrub	Maheshwari, (1963); Mishra et al., (2011)
390	Menispermaceae	<i>Cocculus pendulus</i> (J.R. & G. Frost) Diels	Shrub	Sharma & Javed, (1991); Mishra et al., (2012)
391	Menispermaceae	<i>Tinospora sinensis</i> (Lour.) Merr.	Climber	Maheshwari, (1963); Mishra et al., (2011)
392	Molluginaceae	<i>Glinus lotoides</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2012)
393	Molluginaceae	<i>Glinus oppositifolius</i> (L.) Aug. DC.	Herb	Maheshwari, (1963); Mishra et al., (2011)
394	Molluginaceae	<i>Mollugo cerviana</i> (L.) Ser.	Herb	Maheshwari, (1963); Mishra et al., (2012)
395	Molluginaceae	<i>Mollugo nudicaulis</i> Lamk.	Herb	Maheshwari, (1963); Mishra et al., (2012)
396	Moraceae	<i>Ficus amplissima</i> Sm.	Tree	Maheshwari, (1963); Mishra et al., (2013)
397	Moraceae	<i>Ficus benghalensis</i> L.	Tree	Maheshwari, (1963); Mishra et al., (2011)
398	Moraceae	<i>Ficus microcarpa</i> L.f.	Tree	Maheshwari, (1963); Mishra et al., (2011)
399	Moraceae	<i>Ficus palmata</i> Forssk.	Tree	Maheshwari, (1963); Mishra et al., (2013)
400	Moraceae	<i>Ficus racemosa</i> L.	Tree	Maheshwari, (1963); Mishra et al., (2013)

Research Article

401	Moraceae	<i>Ficus religiosa</i> L.	Tree	Maheshwari, (1963); Mishra et al., (2011)
402	Moraceae	<i>Ficus virens</i> Aiton	Tree	Maheshwari, (1963); Mishra et al., (2011)
403	Moraceae	<i>Morus alba</i> L.	Tree	Maheshwari, (1963); Mishra et al., (2013)
404	Moraceae	<i>Morus indica</i> L.	Tree	Krishen (2006); Mishra et al.,(2011)
405	Moraceae	<i>Streblus asper</i> Lour.	Tree	Maheshwari, (1963); Mishra et al., (2012)
406	Moringaceae	<i>Moringa concanensis</i> Nimmo	Tree	Mishra et al.,(2013)
407	Moringaceae	<i>Moringa oleifera</i> Lam.	Tree	Maheshwari, (1963); Mishra et al.,(2013)
408	Musaceae	<i>Musa x paradisiaca</i> L.	Tree	Maheshwari, (1963); Mishra et al., (2012)
409	Myrtaceae	<i>Callistemon lanceolatus</i> (Sm.) Sweet.	Shrub	Maheshwari, (1963); Mishra et al., (2012)
410	Myrtaceae	<i>Eucalyptus tereticornis</i> Sm.	Tree	Maheshwari, (1963); Mishra et al., (2012)
411	Myrtaceae	<i>Syzygium cumini</i> (L.) Skeels	Tree	Maheshwari, (1963); Mishra et al., (2012)
412	Nitrariaceae	<i>Peganum harmala</i> L.	Herb	Maheshwari, (1963); Mishra et al., (2012)
413	Nyctaginaceae	<i>Boerhavia chinensis</i> (L.) Rottb.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
414	Nyctaginaceae	<i>Boerhavia diffusa</i> Linn.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
415	Nyctaginaceae	<i>Bougainvillea spectabilis</i> Wiild.	Shrub	Maheshwari, (1963); Mishra et al.,(2013)
416	Nymphaeaceae	<i>Nymphaea alba</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
417	Oleaceae	<i>Jasminum auriculatum</i> Vahl	Shrub	Maheshwari, (1963); Mishra et al.,(2011)
418	Oleaceae	<i>Jasminum multiflorum</i> (Burm.f.) Andr.	Shrub	Maheshwari, (1963); Mishra et al.,(2013)
419	Oleaceae	<i>Nyctanthes arborescens</i> L.	Shrub	Maheshwari, (1963); Mishra et al.,(2013)
420	Onagraceae	* <i>Epilobium cylindricum</i> D. Don	Herb	Mishra et al.,(2015)
421	Onagraceae	<i>Ludwigia adscendens</i> (L.) H.Hara	Herb	Maheshwari, (1963); Mishra et al.,(2011)
422	Onagraceae	<i>Ludwigia octovalvis</i> (Jacq.) P. H. Raven	Herb	Naithani et al.,(2006); Mishra et al.,(2011)
423	Onagraceae	<i>Ludwigia perennis</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
424	Oxalidaceae	<i>Oxalis corniculata</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
425	Oxalidaceae	<i>Oxalis debilis</i> var. <i>corymbosa</i> (DC.) Lourteig	Herb	Maheshwari, (1963); Mishra et al.,(2011)
426	Oxalidaceae	<i>Oxalis latifolia</i> Kunth	Herb	Maheshwari, (1963);

Research Article

427	Papaveraceae	<i>Argemone mexicana</i> L.	Herb	Mishra et al.,(2013) Maheshwari, (1963); Mishra et al.,(2011)
428	Papaveraceae	<i>Fumaria indica</i> (Hausskn.) Pugsley	Herb	Maheshwari, (1963); Mishra et al., (2012)
429	Passifloraceae	<i>Passiflora foetida</i> L.	Climber	Naithani et al.,(2006); Mishra et al., (2012)
430	Pedaliaceae	<i>Sesamum indicum</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
431	Pedaliaceae	<i>Sesamum mulayanum</i> Nair	Herb	Sharma, (1997)
432	Phrymaceae	<i>Mazus pumilus</i> (Burm.f.) Steenis	Herb	Maheshwari, (1963); Mishra et al.,(2013)
433	Phyllanthaceae	<i>Flueggea leucopyrus</i> Willd.	Shrub	Maheshwari, (1963); Mishra et al.,(2011)
434	Phyllanthaceae	<i>Flueggea virosa</i> (Roxb. ex Willd.) Royle	Shrub	Maheshwari, (1963); Mishra et al.,(2013)
435	Phyllanthaceae	<i>Phyllanthus emblica</i> L.	Tree	Maheshwari, (1963); Mishra et al.,(2013)
436	Phyllanthaceae	<i>Phyllanthus fraternus</i> G. L. Webster	Herb	Maheshwari, (1963); Mishra et al.,(2011)
437	Phyllanthaceae	<i>Phyllanthus reticulatus</i> Poir.	Shrub	Maheshwari, (1963); Mishra et al.,(2011)
438	Phyllanthaceae	<i>Phyllanthus virgatus</i> G. Frost	Herb	Maheshwari, (1963); Mishra et al.,(2013)
439	Plantaginaceae	<i>Antirrhinum orontium</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
440	Plantaginaceae	<i>Bacopa monnieri</i> (L.) Wettst.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
441	Plantaginaceae	<i>Lindenbergia indica</i> Vatke	Herb	Maheshwari, (1963)
442	Plantaginaceae	<i>Nanorrhinum ramosissimum</i> (Wall.) Betsche	Herb	Maheshwari, (1963); Mishra et al.,(2012)
443	Plantaginaceae	<i>Plantago major</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2012)
444	Plantaginaceae	* <i>Scoparia dulcis</i> L.	Shrub	Mishra et al.,(2015)
445	Plantaginaceae	<i>Veronica agrestis</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2012)
446	Plantaginaceae	<i>Veronica anagallis-aquatica</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
447	Plumbaginaceae	<i>Plumbago zeylanica</i> L.	Shrub	Maheshwari, (1963); Mishra et al.,(2011)
448	Poaceae	<i>Acrachne racemosa</i> (B. Heyne ex Roth) Ohwi	Grass	Maheshwari, (1963); Mishra et al.,(2011)
449	Poaceae	<i>Apluda mutica</i> L.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
450	Poaceae	<i>Aristida adscensionis</i> L.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
451	Poaceae	<i>Arthraxon echinatus</i> (Nees) Hochst.	Grass	Kumar & Yadav, (2005)
452	Poaceae	<i>Avena sterilis</i> subsp. <i>ludoviciana</i>	Grass	Kumar & Yadav,

Research Article

453	Poaceae	(Durieu) Gillet & Magne <i>Bothriochloa pertusa</i> (L.) A.Camus	Grass	(2005) Maheshwari, (1963); Mishra et al.,(2011)
454	Poaceae	<i>Brachiaria burmanica</i> Bor	Grass	Kumar & Yadav, (2005)
455	Poaceae	<i>Brachiaria ramosa</i> (L.) Stapf.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
456	Poaceae	<i>Brachiaria reptans</i> (L.) Gard.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
457	Poaceae	<i>Brachiaria villosa</i> (Lam.) A. Camus	Grass	Kumar & Yadav, (2005)
458	Poaceae	<i>Cenchrus ciliaris</i> L.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
459	Poaceae	<i>Cenchrus setigerus</i> Vahl	Grass	Maheshwari, (1963); Mishra et al.,(2011)
460	Poaceae	<i>Chloris barbata</i> Sw.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
461	Poaceae	<i>Chrysopogon fulvus</i> (Spreng.) Chiov	Grass	Maheshwari, (1963); Mishra et al.,(2011)
462	Poaceae	<i>Chrysopogon zizanioides</i> (L.) Roberty	Grass	Maheshwari, (1963); Mishra et al.,(2011)
463	Poaceae	<i>Crypsis schoenoides</i> (L.) Lam.	Grass	Naithani et al.,(2006); Mishra et al., (2011)
464	Poaceae	<i>Cymbopogon commutatus</i> (Steud.) Stapf	Grass	Maheshwari, (1963); Mishra et al.,(2012)
465	Poaceae	<i>Cymbopogon martini</i> (Roxb.) W.Watson	Grass	Kumar & Yadav, (2005)
466	Poaceae	<i>Cynodon dactylon</i> (L.) Pers.	Grass	Maheshwari, (1963); Mishra et al.,(2012)
467	Poaceae	<i>Cynodon radiatus</i> Roth	Grass	Kumar & Yadav, (2005)
468	Poaceae	<i>Dactyloctenium aegyptium</i> (L.) Willd.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
469	Poaceae	<i>Dactyloctenium scindicum</i> Boiss.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
470	Poaceae	<i>Dendrocalamus strictus</i> (Roxd.) Nees	Tree	Maheshwari, (1963); Mishra et al.,(2013)
471	Poaceae	<i>Desmostachya bipinnata</i> (L.) Stapf.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
472	Poaceae	<i>Dichanthium annulatum</i> (Forssk.) Stapf.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
473	Poaceae	<i>Digitaria ciliaris</i> Retz. Henrard	Grass	Maheshwari, (1963); Mishra et al.,(2011)
474	Poaceae	<i>Digitaria setigera</i> Roth	Grass	Maheshwari, (1963); Mishra et al.,(2011)
475	Poaceae	<i>Dinebra retroflexa</i> (Vahl) Panz.	Grass	Kumar & Yadav, (2005)
476	Poaceae	<i>Echinochloa colona</i> (L.) Link	Grass	Maheshwari, (1963); Mishra et al.,(2011)

Research Article

477	Poaceae	<i>Echinochloa crus-galli</i> (L.) P.Beauv.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
478	Poaceae	<i>Echinochloa frumentacea</i> Link.	Grass	Kumar & Yadav, (2005)
479	Poaceae	<i>Echinochloa stagnina</i> (Retz.) P. Beauv.	Grass	Kumar & Yadav, (2005)
480	Poaceae	<i>Eleusine coracana</i> (L.) Gaertn.	Grass	Kumar & Yadav, (2005)
481	Poaceae	<i>Eleusine indica</i> (L.) P. Gaertn	Grass	Maheshwari, (1963); Mishra et al.,(2011)
482	Poaceae	<i>Eragrostis amabilis</i> (L.) Wight & Arn.,	Grass	Maheshwari, (1963); Mishra et al.,(2011)
483	Poaceae	<i>Eragrostis cilianesis</i> (All.) Janch.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
484	Poaceae	<i>Eragrostis ciliaris</i> (L.) R.Br.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
485	Poaceae	<i>Eragrostis gangetica</i> (Roxb.) Steud.	Grass	Naithani et al.,(2006)
486	Poaceae	<i>Eragrostis minor</i> Host	Grass	Maheshwari, (1963); Mishra et al.,(2011)
487	Poaceae	<i>Eragrostis pilosa</i> (L.) P. Beauv.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
488	Poaceae	<i>Eriochloa fatmensis</i> (Hochst. & Steud.) Clayton	Grass	Kumar & Yadav, (2005)
489	Poaceae	<i>Eriochloa procera</i> (Retz.) C.E.Hubb.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
490	Poaceae	<i>Hemarthria compressa</i> (L.f.) R.Br.	Grass	Maheshwari, (1963); Mishra et al.,(2013)
491	Poaceae	<i>Heteropogon contortus</i> (L.) P. Beauv. ex Roem. & Schult.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
492	Poaceae	<i>Ichnanthus pallens</i> var. <i>major</i> (Nees) Stieber	Grass	Kumar & Yadav, (2005)
493	Poaceae	<i>Imperata cylindrica</i> (L.) Raeusch.	Grass	Maheshwari, (1963); Mishra et al.,(2012)
494	Poaceae	<i>Ischaemum rugosum</i> Salisb.	Grass	Kumar & Yadav, (2005)
495	Poaceae	<i>Leptochloa fusca</i> (L.) Kunth	Grass	Kumar & Yadav, (2005)
496	Poaceae	<i>Leptochloa panicea</i> (Retz.) Owhi	Grass	Maheshwari, (1963); Mishra et al.,(2011)
497	Poaceae	<i>Lolium temulentum</i> L.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
498	Poaceae	<i>Melanocentris jacquemontii</i> Jaub. & Spaach	Grass	Maheshwari, (1963); Mishra et al.,(2012)
499	Poaceae	<i>Neyraudia arundinacea</i> (L.) Henr.	Grass	Naithani et al.,(2006)
500	Poaceae	<i>Ochthochloa compressa</i> (Forssk.) Hilu	Grass	Maheshwari, (1963); Mishra et al.,(2012)
501	Poaceae	<i>Oplismenus burmannii</i> (Retz.) P.Beauv.	Grass	Maheshwari, (1963); Mishra et al.,(2012)
502	Poaceae	<i>Oplismenus compositus</i> (L.) P. Beauv.	Grass	Maheshwari, (1963); Mishra et al.,(2011)

Research Article

503	Poaceae	<i>Panicum antidotale</i> Retz.	Grass	Maheshwari, (1963); Mishra et al.,(2012)
504	Poaceae	<i>Panicum flavidum</i> Retz.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
505	Poaceae	<i>Panicum humile</i> Steud.	Grass	Kumar & Yadav, (2005)
506	Poaceae	<i>Panicum sumatrense</i> Roth	Grass	Kumar & Yadav, (2005)
507	Poaceae	<i>Paspalum distichum</i> L.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
508	Poaceae	<i>Paspalum scroiculatum</i> L. Mant.	Grass	Kumar & Yadav, (2005)
509	Poaceae	<i>Paspalidium geminatum</i> (Forssk.) Stapf	Grass	Kumar & Yadav, (2005)
510	Poaceae	<i>Pennisetum purpureum</i> Schumach.	Grass	Kumar & Yadav, (2005)
511	Poaceae	<i>Perotis indica</i> (L.) Kuntze	Grass	Maheshwari, (1963); Mishra et al.,(2013)
512	Poaceae	<i>Phalaris minor</i> Retz.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
513	Poaceae	<i>Phragmites australis</i> (Cav.) Trin. ex Steud.	Grass	Kumar & Yadav, (2005)
514	Poaceae	<i>Phragmites australis</i> subsp. <i>altissimus</i> (Benth.) Clayton	Grass	Maheshwari, (1963); Mishra et al.,(2011)
515	Poaceae	<i>Poa annua</i> L.	Grass	Maheshwari, (1963); Mishra et al.,(2012)
516	Poaceae	<i>Polypogon monspeliensis</i> (L.) Desf.	Grass	Maheshwari, (1963); Mishra et al.,(2013)
517	Poaceae	<i>Saccharum bengalense</i> Retz.	Grass	Kumar and Yadav (2005), Naithani et al., (2006), Mishra et al., (2012)
518	Poaceae	<i>Saccharum fallax</i> Balansa	Grass	Kumar & Yadav, (2005)
519	Poaceae	<i>Saccharum narenga</i> (Nees ex Steud.) Hack.	Grass	Kumar & Yadav, (2005)
520	Poaceae	<i>Sehima nervosum</i> (Rottler) Stapf	Grass	Kumar & Yadav, (2005)
521	Poaceae	<i>Saccharum ravennae</i> (L.) L.	Grass	Maheshwari, (1963); Mishra et al.,(2012)
522	Poaceae	<i>Saccharum spontaneum</i> L.	Grass	Maheshwari, (1963); Mishra et al.,(2011)
523	Poaceae	<i>Schoenefeldia gracilis</i> Kunth.	Grass	Kumar & Yadav, (2005); Mishra et al., (2011)
524	Poaceae	<i>Setaria verticillata</i> (L.) P. Beauv.	Grass	Maheshwari, (1963); Mishra et al.,(2012)
525	Poaceae	<i>Sorghum halepense</i> (L.) Pers.	Grass	Maheshwari, (1963); Mishra et al.,(2012)
526	Poaceae	<i>Sporobolus diandrus</i> (Retz.) P. Beauv.	Grass	Maheshwari, (1963);

Research Article

527	Poaceae	<i>Tetrapogon tenellus</i> (Roxb.) Chiov.	Grass	Mishra et al.,(2012) Maheshwari, (1963); Mishra et al.,(2012)
528	Poaceae	<i>Tragus racemosus</i> (L.) All.	Grass	Maheshwari, (1963); Mishra et al.,(2012)
529	Poaceae	<i>Urochloa panicoides</i> P. Beauv.	Grass	Kumar & Yadav, (2005)
530	Poaceae	<i>Urochloa setigera</i> (Retz.) Stapf	Grass	Kumar & Yadav, (2005)
531	Poaceae	<i>Zoysia japonica</i> Steud.	Grass	Kumar & Yadav, (2005)
532	Polygonaceae	<i>Antigonon leptopus</i> Hook. & Arn.	Shrub	Maheshwari, (1963); Mishra et al.,(2012)
533	Polygonaceae	<i>Persicaria glabra</i> (Willd.) M.Gómez	Herb	Maheshwari, (1963); Mishra et al.,(2013)
534	Polygonaceae	<i>Polygonum plebeium</i> R.Br.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
535	Polygonaceae	<i>Rumex dentatus</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
536	Pontederiaceae	<i>Eichhornia crassipes</i> (Mart.) Solms	Herb	Maheshwari, (1963); Mishra et al.,(2011)
537	Pontederiaceae	<i>Monochoria hastata</i> (L.) Solms	Herb	Maheshwari, (1963); Mishra et al.,(2011)
538	Portulacaceae	<i>Portulaca grandiflora</i> Hook.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
539	Portulacaceae	<i>Portulaca oleracea</i> Linn.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
540	Portulacaceae	<i>Portulaca quadrifida</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
541	Potamogetonaceae	<i>Potamogeton crispus</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
542	Potamogetonaceae	<i>Potamogeton nodosus</i> Poir.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
543	Potamogetonaceae	<i>Stuckenia pectinata</i> (L.) Borner	Herb	Maheshwari, (1963); Mishra et al.,(2013)
544	Potamogetonaceae	<i>Zannichellia palustris</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2012)
545	Primulaceae	<i>Anagallis arvensis</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2012)
546	Ranunculaceae	<i>Ranunculus sceleratus</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2012)
547	Resedaceae	<i>Oligomeris linifolia</i> (Vahl ex Hornem.) J. F. Macbr	Herb	Maheshwari, (1963); Mishra et al.,(2013)
548	Rhamnaceae	<i>Ziziphus jujuba</i> Mill.	Tree	Maheshwari, (1963); Mishra et al.,(2011)
549	Rhamnaceae	<i>Ziziphus nummularia</i> (Burm. f.) Wight & Arn.	Shrub	Maheshwari, (1963); Mishra et al.,(2011)
550	Rhamnaceae	<i>Ziziphus oenopolia</i> (L.) Mill.	Climber	Maheshwari, (1963); Mishra et al.,(2011)
551	Rosaceae	<i>Potentilla supina</i> L.	Herb	Maheshwari, (1963);

Research Article

552	Rubiaceae	<i>Hamelia patens</i> Jacq.	Shrub	Mishra et al.,(2012) Maheshwari, (1963); Mishra et al.,(2012)
553	Rubiaceae	<i>Kohautia gracilis</i> (Wall.) DC.	Herb	Naithani et al.,(2006)
554	Rubiaceae	<i>Mitragyna paviflora</i> (Roxb.) Korth.	Tree	Maheshwari, (1963); Mishra et al.,(2012)
555	Rubiaceae	<i>Oldenlandia aspera</i> (B.Heyne ex Roth) DC.	Herb	Maheshwari, (1963); Mishra et al.,(2012)
556	Rubiaceae	<i>Spermacoce neohispida</i> Govaerts	Herb	Maheshwari, (1963); Mishra et al.,(2011)
557	Rutaceae	<i>Aegle marmelos</i> L. Correa	Tree	Maheshwari, (1963); Mishra et al.,(2013)
558	Rutaceae	<i>Citrus aurantiifolia</i> (Christm.) Swingle	Tree	Maheshwari, (1963); Mishra et al.,(2012)
559	Rutaceae	<i>Citrus maxima</i> (L.) Merr.	Tree	Maheshwari, (1963); Mishra et al.,(2012)
560	Rutaceae	<i>Feronia limonia</i> (L.) Swingle	Tree	Maheshwari, (1963); Mishra et al.,(2013)
561	Rutaceae	<i>Murraya paniculata</i> (L.) Jack	Shrub	Maheshwari, (1963); Mishra et al.,(2013)
562	Salicaceae	<i>Flacourtia indica</i> (Burm. f.) Merr.	Tree	Maheshwari, (1963); Mishra et al.,(2013)
563	Salicaceae	<i>Salix tetrasperma</i> Roxb.	Tree	Maheshwari, (1963); Mishra et al.,(2012)
564	Salvadoraceae	<i>Salvadora oleoides</i> Decne.	Shrub	Maheshwari, (1963); Mishra et al.,(2013)
565	Salvadoraceae	<i>Salvadora persica</i> L.	Shrub	Maheshwari, (1963); Mishra et al.,(2013)
566	Sapindaceae	<i>Cardiospermum halicacabum</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
567	Sapindaceae	<i>Schleichera oleosa</i> (Lour.) Merr.	Tree	Maheshwari, (1963); Mishra et al.,(2012)
568	Sapotaceae	<i>Manilkara hexandra</i> (Roxb.) Dubard	Tree	Maheshwari, (1963); Mishra et al.,(2012)
569	Sapotaceae	<i>Mimusops elengi</i> L.	Tree	Maheshwari, (1963); Mishra et al.,(2011)
570	Scrophulariaceae	<i>Verbascum chinense</i> (L.) Santapau	Herb	Maheshwari, (1963); Mishra et al.,(2013)
571	Scrophulariaceae	<i>Verbascum thapsus</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
572	Simaroubaceae	<i>Ailanthus excelsa</i> Roxb.	Tree	Maheshwari, (1963); Mishra et al.,(2013)
573	Solanaceae	<i>Calibrachoa parviflora</i> (Juss.) D'Arcy	Herb	Viswanathan & Singh (1986)
574	Solanaceae	<i>Datura innoxia</i> Mill.	Shrub	Maheshwari, (1963); Mishra et al.,(2011)
575	Solanaceae	<i>Datura metel</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
576	Solanaceae	<i>Lycium europaeum</i> L.	Shrub	Maheshwari, (1963); Mishra et al.,(2012)

Research Article

577	Solanaceae	<i>Lycopersicon esculentum</i> Mill.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
578	Solanaceae	<i>Nicotiana plumbaginifolia</i> Viv.	Herb	Maheshwari, (1963); Mishra et al.,(2013)
579	Solanaceae	<i>Physalis minima</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2012)
580	Solanaceae	<i>Solanum americanum</i> Mill.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
581	Solanaceae	<i>Solanum anguivi</i> Lam.	Shrub	Maheshwari, (1963); Mishra et al.,(2011)
582	Solanaceae	<i>Solanum incanum</i> L.	Shrub	Naithani et al.,(2006); Mishra et al., (2011)
583	Solanaceae	<i>Solanum viarum</i> Dunal	Shrub	Naithani et al.,(2006); Mishra et al., (2013)
584	Solanaceae	<i>Solanum virginianum</i> L.	Shrub	Maheshwari, (1963); Mishra et al., (2013)
585	Solanaceae	<i>Withania somnifera</i> (L.) Dunal	Shrub	Maheshwari, (1963); Mishra et al.,(2012)
586	Sphenocleaceae	<i>Sphenoclea zeylanica</i> Gaertn.	Herb	Maheshwari, (1963); Mishra et al.,(2012)
587	Tamaricaceae	<i>Tamarix dioica</i> Roxb.	Shrub	Maheshwari, (1963); Mishra et al.,(2011)
588	Tamaricaceae	<i>Tamarix troupii</i> Hole	Shrub	Maheshwari, (1963); Mishra et al.,(2012)
589	Typhaceae	<i>Typha angustata</i> Borys & Chaub	Shrub	Maheshwari, (1963); Mishra et al.,(2011)
590	Ulmaceae	<i>Holoptelea integrifolia</i> Planch	Tree	Maheshwari, (1963); Mishra et al., (2013)
591	Vahliaceae	<i>Vahlia digyna</i> (Retz.) Kuntze	Herb	Viswanathan et al.,(1982)
592	Verbenaceae	<i>Duranta erecta</i> L.	Shrub	Maheshwari, (1963); Mishra et al.,(2011)
593	Verbenaceae	<i>Gmelina arborea</i> Roxb.	Tree	Maheshwari, (1963); Mishra et al., (2013)
594	Verbenaceae	<i>Lantana x aculeata</i> L.	Shrub	Maheshwari, (1963); Mishra et al.,(2011)
595	Verbenaceae	<i>Lantana indica</i> Roxb.	Shrub	Maheshwari, (1963); Mishra et al.,(2011)
596	Verbenaceae	<i>Lantana montevidensis</i> (Spreng.) Briq.	Shrub	Maheshwari, (1963); Mishra et al.,(2011)
597	Verbenaceae	* <i>Lippia alba</i> (Mill.) N.E.Br. ex Britton & P.Wilson	Shrub	Mishra et al.,(2015)
598	Verbenaceae	<i>Phyla nodiflora</i> (L.) Greene	Herb	Maheshwari, (1963); Mishra et al.,(2011)
599	Vitaceae	<i>Ampelocissus latifolia</i> (Roxb.) Planch	Climber	Naithani et al.,(2006); Mishra et al.,(2012)
600	Vitaceae	<i>Cayratia trifolia</i> (L.) Domin	Shrub	Maheshwari, (1963);

Research Article

601	Xanthorrhoeaceae	<i>Asphodelus tenuifolius</i> Cav.	Herb	Mishra et al.,(2011) Maheshwari, (1963); Mishra et al., (2013)
602	Zygophyllaceae	<i>Balanites roxburghii</i> Planch.	Tree	Maheshwari, (1963); Mishra et al.,(2012)
603	Zygophyllaceae	<i>Fagonia cretica</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2011)
604	Zygophyllaceae	<i>Tribulus terrestris</i> L.	Herb	Maheshwari, (1963); Mishra et al.,(2011)

Note: (A) Mishra et al., Anand Kumar Mishra, Maheshwar Prasad Sharma And Harbhajan Singh; (B) 2011; 2012; 2013; 2014; 2015 - collection year of the Specimens in our study
 (C) Fifteen plant species, marked with asterisk (*) have been collected for the first time from Delhi during the course of this study.

In terms of taxa, the most diversified family is Poaceae with 54 genera and 84 species. This is followed by Fabaceae (44 genera and 80 species), Asteraceae (43 genera and 43 species), Malvaceae (16 genera and 30 species), Amaranthaceae (12 genera 21 species, Apocynaceae, Convolvulaceae, Euphorbiaceae contained 20 species. Families Acanthaceae (19 species), Lamiaceae (17 species), Cyperaceae (15 species), Solanaceae (13 species), Boraginaceae (10 species), Moraceae (10 species), Cucurbitaceae (8 species), Plantaginaceae (8 species), Brassicaceae (7 species), Verbenaceae (7 species), Bignoniaceae (6 species), Lythraceae (6 species), Phyllanthaceae (6 species) respectively. Least represented families are Apiaceae (5 species), Araceae (5 species), Areaceae (5 species), Asparagaceae (5 species), Capparaceae (5 species), Caryophyllaceae (5 species), Rubiaceae (5 species), Rutaceae (5 species), Menispermaceae (4 species), Molluginaceae (4 species), Onagraceae (4 species), Polygonaceae (4 species), Potamogetonaceae (4 species), Combretaceae (3 species), Commelinaceae (3 species), Hydrocharitaceae (3 species), Myrtaceae (3 species), Nyctaginaceae (3 species), Oleaceae (3 species), Oxalidaceae (3 species), Portulacaceae (3 species), Rhamnaceae (3 species), Zygophyllaceae (3 species), Aizoaceae (2 species), Cactaceae (2 species), Cleomaceae (2 species), Gentianaceae (2 species), Meliaceae (2 species), Moringaceae (2 species), Papaveraceae (2 species), Pedaliaceae (2 species), Pontederiaceae (2 species), Salicaceae (2 species), Salvadoraceae (2 species), Sapindaceae (2 species), Sapotaceae (2 species), Scrophulariaceae (2 species), Tamaricaceae (2 species), Vitaceae (2 species), Alismataceae (1 species), Anacardiaceae (1 species), Annonaceae (1 species), Aristolochiaceae (1 species), Basellaceae (1 species), Cannabinaceae (1 species), Caricaceae (1 species), Celastraceae (1 species), Ceratophyllaceae (1 species), Ebenaceae (1 species), Elatinaceae (1 species), Balanphoraceae (1 species), Gisekiaceae (1 species), Hydroleaceae (1 species), Juncaceae (1 species), Martyniaceae (1 species), Musaceae (1 species), Nitrariaceae (1 species), Nymphaeaceae (1 species), Passifloraceae (1 species), Phrymaceae (1 species), Plumbaginaceae (1 species), Primulaceae (1 species), Ranunculaceae (1 species), Resedaceae (1 species), Rosaceae (1 species), Simaroubaceae (1 species), Sphenocleaceae (1 species), Typhaceae (1 species), Ulmaceae (1 species), Vahliaceae (1 species) and Xanthorrhoeaceae (1 species).

REFERENCES

- APG III (2009)**. An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG III. *Botanical Journal of the Linnean Society* **161** 105-121.
- Dakshini KMM and Vijayaraghavan MR (1970)**. *Cotula australis* (Sieb. Ex. Spreng.) Hook. f.- A new record for North india. *Indian Forester* **96**(1) 24-25.
- Krishen P (2006)**. *Trees of Delhi: A Field Guide* (Dorling Kindersley (India) Pvt. Ltd) New Delhi, India 360.
- Kumar A and Yadav SR (2005)**. Addition to the grasses of Delhi. *Journal of Economic and Taxonomic Botany* **29**(4) 815-827.
- Lal C, Ghidiyal JC and Maheshwari DK (2002)**. Survey of Aquatic Vegetation in and around Delhi. *Journal of Economic and Taxonomic Botany* **26**(3) 547-549.

Research Article

- Maheshwari JK (1963).** *The Flora of Delhi*. C.S.I.R., New Delhi.
- Mishra AK, Mir SA, Sharma MP and Singh HB (2014).** Addition to the Flora of Delhi. *Indian Journal of Plant Sciences* **4**(3) 64-67.
- Mishra AK, Mir SA, Sharma MP and Singh HB (2015).** Addition to the Flora of Delhi: Part II. *Indian Journal of Plant Sciences* **4**(2) 1-6.
- Naihani HB, Chandra S and Mohinder P (2006).** Additions to the Flora of Delhi. *Indian Forester* (132) 589-599.
- Naihani HB, Negi SS, Pal M, Chandra S and Khanduri VP (2007).** *Vegetational Survey and Inventorisation of species in the ridge forest of Delhi Forest*, Research Institute (Indian Council of Forestry Research and Education) New Forest, Derhadun-248006 1-624.
- Royle JF (1833-1840).** *Illustration of Botany and other branches of the Natural History of the Himalayan Mountains and of the Flora of Cashmere*. London.
- Sharma MP (1994).** *Alternanthera paronychioides* (Amaranthaceae) New Plant Record for Delhi. *Journal of Economic and Taxonomic Botany* **18**(2) 395.
- Sharma MP (2002).** *Balanophora dioica* Royle. *Journal of Economic and Taxonomic Botany* **26**(1) 103-104.
- Sharma MP and Ahmad J (1990).** *Capparis zeylanica* (L.) (Capparidaceae): An addition to flora of Delhi. *Journal of Economic and Taxonomic Botany* **14**(3) 740.
- Sharma MP and Ahmad J (1990).** Some rare or less known plants of Delhi. *Journal of Economic and Taxonomic Botany* **14**(1) 177-180.
- Sharma MP and Ahmad J (1991).** *Cocculus pendulus* (J.R. & Forst.) Diels (Menispermaceae): New record for Delhi. *Indian Journal of Forestry* **14**(1) 76.
- The Plant List (No Date).** A working list of all plant species. Available: <http://www.theplantlist.org>.
- Viswanathan MV and Singh HB (1986).** A new exotic Solanaceous weed in old world. *Journal of the Bombay Natural History Society* **83**(Suppl.) 226-330.
- Viswanathan MV, Singh HB and Bhawat PR (1982).** Additions to the Flora of Delhi. *Journal of Economic and Taxonomic Botany* **14**(3) 579-580.