



Survey Of Some Native And Exotic Angiospermic Plant Species In District Rampur Uttar Pradesh, India

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ABSTRACT

The observational study conducted in Rampur district, covering an area of 2,367 km², aimed to explore its floristic diversity. A total of 526 plant species were documented, representing 398 genera and 109 families. Among these, dicotyledons comprised 419 species from 308 genera and 87 families, while monocotyledons accounted for 107 species from 90 genera and 22 families. Notably, Poaceae, Fabaceae, and Asteraceae emerged as the most dominant families within Rampur district's flora. Analysis of the origin status of the flora revealed that 217 plant species (41.25%) were native to the region, while 309 species (58.75%) were identified as exotic. This distribution highlights the significant presence of non-native species within the district's plant community. These findings provide valuable insights into Rampur district's floral wealth, shedding light on the diverse array of plant life present in the region. However, the prevalence of exotic species underscores the importance of monitoring and managing non-native flora to maintain ecological balance and preserve native biodiversity.

KEY WORDS: Exotic flora, Native flora, Northan Uttar Pradesh, Indo-Gangetic Plains, district Rampur.

INTRODUCTION

Flora encompasses the botanical composition of a specific area, including the names and arrangement of different plant species. It offers insights into how various species have established themselves in a region. Studies on Indian flora have been extensive and well-documented by researchers such as Hooker (1904), Jain (1983), and Jain and Rao (1997). Flora is typically classified into two primary categories: native flora and exotic flora. Native flora refers to plant species that have naturally existed in a country since prehistoric times, while exotic flora consists of species originating from foreign regions.

The proliferation of exotic plant species across different regions globally has intensified over the past five centuries, driven by extensive exchanges of species between continents. Exotic flora can be introduced intentionally, through deliberate cultivation or planting, or accidentally, through various means such as trade, transport, or migration. Regions like the Indo-Gangetic Plains and the Thar Desert in India are renowned for their rich diversity of exotic flora, while the Himalayan and Peninsular regions typically exhibit lower levels of exotic flora presence (Ahmad, 1999). Understanding the dynamics of exotic flora is crucial for managing biodiversity and ecosystems, as these species can have significant impacts on native habitats, species composition, and ecological processes. Hence, continued research and monitoring efforts are essential to comprehend and address the implications of exotic flora on local environments and biodiversity conservation (Singh, 2015, 2020). Approximately 40% of the plant species found in India are classified as exotic (Singh, 2020). Numerous studies have focused on exploring the exotic floristic composition of specific regions within India, including research conducted by Nagar *et al.*, (2004), Singh (2011, 2012, 2015, 2020), and Tomar *et al.*, (2008). These studies contribute to our understanding of the distribution and impact of exotic plant species on local ecosystems and biodiversity.

Uttar Pradesh is one of the biggest state of India is divided into several regions such as Western Uttar Pradesh, South Western Uttar Pradesh, Central Uttar Pradesh and Eastern Uttar Pradesh. Several studies have been conducted to assess the floristic wealth of various districts of South Western Uttar Pradesh (Trivedi *et al.*, 1979; Kanodia *et al.*, 1983; Sinha, 1990; Jha *et al.*, 1992; Verma and Shukla, 1997; Verma and Ranjan, 1995; Narain, 2010; Ahamed and Gupta, 2010; Tomar *et al.*, 2008). However, no information is yet available about the flora of Rampur district which lies in western Uttar Pradesh. Therefore, the main objective of the present investigation was to explore the exotic flora of the Rampur district of Uttar Pradesh which falls in Indo-Gangetic Plains Physiographic division of India (Ahamed and Gupta, 2010; Tomar *et al.*, 2008).

MATERIAL AND METHODS

The study area chosen for the present survey is district Rampur which is situated in division Moradabad of Uttar Pradesh State. It lies between 79°05' E and 28°48' N. The total area of the district is around 2367 Sq. Km., Map of district Rampur shown in Figure - 1. The height from sea level is about 192 m. It is known for its various industries, including sugar and cotton mills. There are all total six tehsils in the district namely viz. Rampur Sadar, Shahabad, Milak, Bilaspur, Swar and Tanda. District Udham Singh Nagar of Uttarakhand lies in North, district Bareilly in East, Moradabad in West and Badaun in South. The climate is Tropical monsoonal type with three distinct season, the cold (November to February), the hot (March to mid June) and the rainy (mid-June to September), while October is regarded as strictly transitional month. Summer temperature is about 30 °C to 40 °C and winters temperature from 23 °C to 5 °C. The highest monthly temperature is recorded in May, varying between 32°C and 42°C. District lies in foot hills of Himalaya so most of the flora is reliant on rainfall. The annual rainfall is around 100 cm of which 90% occurs in the rainy season. Annual normal precipitation fluctuates between 850 to 900 mm (Singh *et al.*, 2020, 2023).

A Botanical survey of some native and exotic angiospermic plant species was conducted during the year of 2019-2021 in six tehsils of district Rampur viz. Suar, Bilaspur, Tanda, Shahbad, Milak, Sadar Rampur. General information about the Study area was collected from the local people of different tehsils of district Rampur before starting the survey of plants. Field survey location was chosen on the random basis. It was observed that many plants of exotic and native nature are widely found in different tehsils of district Rampur (U.P). The collected plants were identified through consultation with the expert, local people, farmers and photographs of plants and sample specimen also with the help of available literatures and floras of concerned region. In the present survey the plant specimens were collected and processed by standard herbarium methods which were used by expert in earlier standard research (Bridson *et al*,1992; Duthie, 1960; Jain and Rao, 1977; Prajapati *et al.*, 2013). All specimens were dried, preserved and deposited in the herbarium and submitted in department of Botany as a practical record in Mohammad Ali Jauhar University Rampur, Uttar Pradesh, India. Herbarium specimen preservation and process technique was followed by the method of Bridson *et al.*, (1992); Duthie (1960); Jain and Rao (1977); Kirtikar and Basu (1975); Maheshwari (1963); Mishra and Verma (1992); Prajapati *et al.*, (2013).

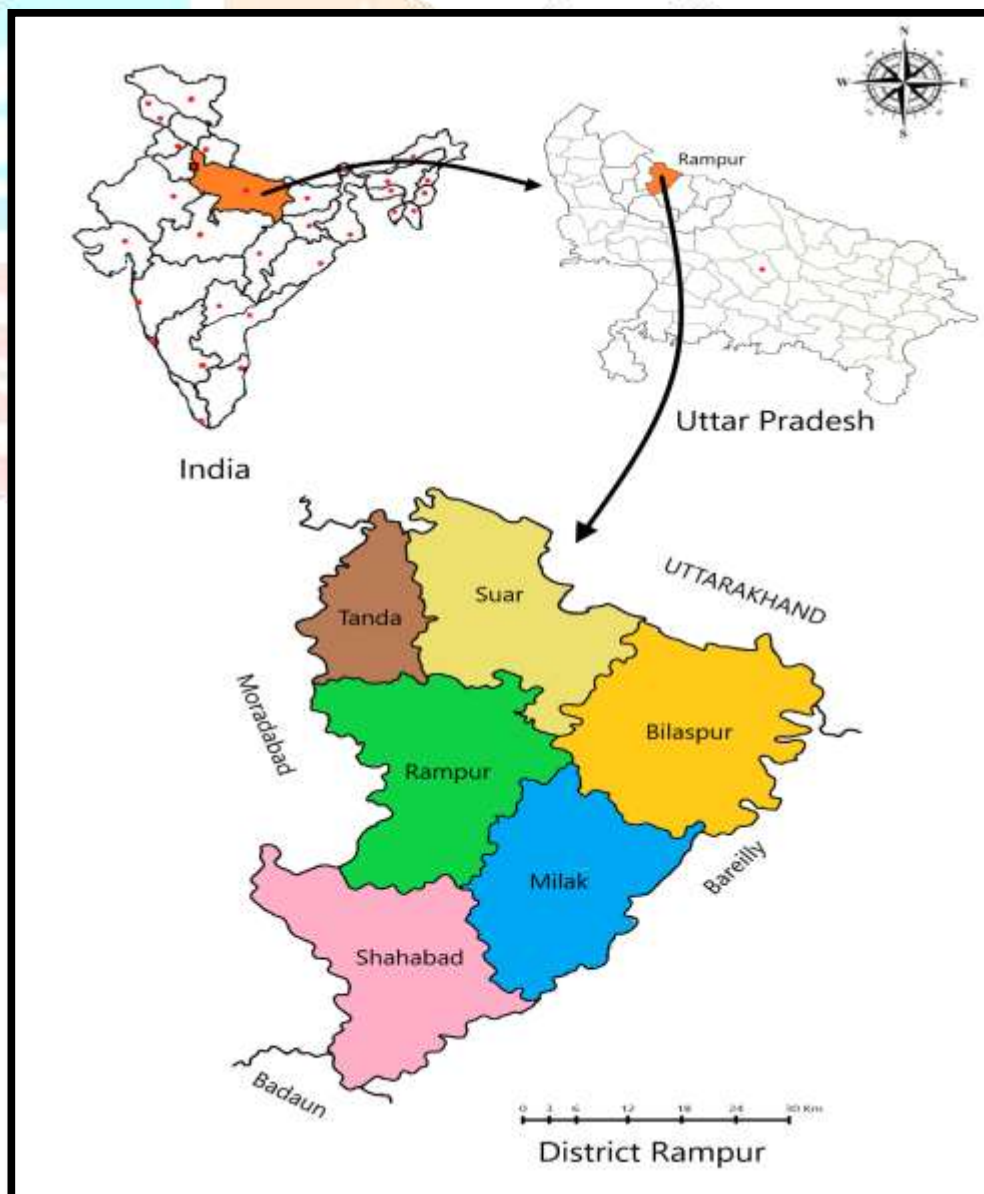


Figure 1:- Map of study area in district Rampur.

RESULTS AND DISCUSSION

Table 1:- List of Angiospermic flora of district Rampur (U.P.) showing habit and Origin status.

S.N.	Family	Botanical Names	Origin status
1.	Acanthaceae	<i>Andrographis paniculata</i> (Burm.f.)	Native
2.	Acanthaceae	<i>Barleria tomentosa</i> Roth	Native
3.	Acanthaceae	<i>Blepharis integrifolia</i> (L.f.) E.Mey. &	Native
4.	Acanthaceae	<i>Dicliptera verticillata</i> C.Chr.	Exotic
5.	Acanthaceae	<i>Elytraria acaulis</i> (L.f.) Linden.	Native
6.	Acanthaceae	<i>Hemigraphis hirta</i> T. Anders.	Exotic
7.	Acanthaceae	<i>Hygrophila auriculata</i> (Schumach.)	Native
8.	Acanthaceae	<i>Justicia simplex</i> Don.	Native
9.	Acanthaceae	<i>Ruellia brevifolia</i> (Pohl) Ezcurra	Exotic
10.	Acanthaceae	<i>Ruellia prostrata</i> Poir.	Exotic
11.	Acanthaceae	<i>Ruellia tuberosa</i> L.	Exotic
12.	Acanthaceae	<i>Rungia repens</i> (L.) Nees	Native
13.	Acanthaceae	<i>Eranthemum pulchellum</i> Andrews.	Native
14.	Acanthaceae	<i>Justicia adhatoda</i> L.	Native
15.	Acanthaceae	<i>Barleria cristata</i> L.	Native
16.	Acanthaceae	<i>Thunbergia erecta</i> (Benth.) T. Anders.	Exotic
17.	Aizoaceae	<i>Trianthema portulacastrum</i> L.	Native
18.	Alismataceae	<i>Sagittaria sagittifolia</i> L.	Exotic
19.	Amaranthaceae	<i>Achyranthes aspera</i> L.	Native
20.	Amaranthaceae	<i>Aerva lanata</i> (L.) Juss.	Native
21.	Amaranthaceae	<i>Alternanthera pungens</i> Kunth.	Exotic
22.	Amaranthaceae	<i>Alternanthera sessilis</i> (L.) ex DC.	Exotic
23.	Amaranthaceae	<i>Amaranthus spinosus</i> L.	Exotic
24.	Amaranthaceae	<i>Amaranthus viridis</i> L.	Native
25.	Amaranthaceae	<i>Celosia argentea</i> L.	Native
26.	Amaranthaceae	<i>Digera muricata</i> (L.) Mart.	Native
27.	Amaranthaceae	<i>Gomphrena celosioides</i> Mart.	Exotic
28.	Amaranthaceae	<i>Gomphrena globosa</i> L.	Exotic
29.	Amaranthaceae	<i>Nothosaerva brachiata</i> (L.) Wight	Native
30.	Amaranthaceae	<i>Pupalia lappacea</i> (L.) Juss	Exotic
31.	Amaryllidaceae	<i>Allium cepa</i> L.	Exotic
32.	Amaryllidaceae	<i>Allium sativum</i> L.	Exotic
33.	Amaryllidaceae	<i>Zephyranthes carinata</i> Herb.	Exotic
34.	Amaryllidaceae	<i>Crinum asiaticum</i> L.	Exotic
35.	Anacardiaceae	<i>Mangifera indica</i> L.	Native
36.	Annonaceae	<i>Annona squamosa</i> L.	Exotic
37.	Annonaceae	<i>Polyalthia longifolia</i> (Sonn.) Thwaites	Native
38.	Apiaceae	<i>Anethum graveolens</i> L.	Exotic
39.	Apiaceae	<i>Centella asiatica</i> (L.) Urban.	Native
40.	Apiaceae	<i>Coriandrum sativum</i> L.	Exotic
41.	Apiaceae	<i>Cuminum cyminum</i> L.	Native
42.	Apiaceae	<i>Daucus carota</i> L.	Exotic
43.	Apiaceae	<i>Foeniculum vulgare</i> Mill.	Exotic
44.	Apiaceae	<i>Trachyspermum ammi</i> (L.) Sprague	Exotic
45.	Apocynaceae	<i>Catharanthus pusillus</i> (Murr.) Don	Exotic
46.	Apocynaceae	<i>Catharanthus roseus</i> (L.) Don	Exotic
47.	Apocynaceae	<i>Nerium oleander</i> Mill.	Exotic
48.	Apocynaceae	<i>Cascabela thevetia</i> (L.) Lippold.	Exotic

49.	Apocynaceae	<i>Tabernaemontana dichotoma</i> Roxb.	Exotic
50.	Apocynaceae	<i>Tabernaemontana divaricata</i> (L.) R.Br.	Exotic
51.	Apocynaceae	<i>Alstonia scholaris</i> (L.) R.Br.	Native
52.	Apocynaceae	<i>Carissa carandas</i> L.	Exotic
53.	Apocynaceae	<i>Plumeria rubra</i> L.	Exotic
54.	Apocynaceae	<i>Rauvolfia serpentina</i> (L.) Benth.	Native
55.	Aponogetonaceae	<i>Aponogeton natans</i> Thunb.	Exotic
56.	Araceae	<i>Alocasia macrorrhizos</i> (L.) Don.	Exotic
57.	Araceae	<i>Colocasia esculenta</i> (L.) Schott.	Native
58.	Araceae	<i>Pistia stratiotes</i> L.	Exotic
59.	Arecaceae	<i>Areca catechu</i> L.	Exotic
60.	Arecaceae	<i>Borassus flabellifer</i> L.	Exotic
61.	Arecaceae	<i>Caryota urens</i> L.	Exotic
62.	Arecaceae	<i>Livistona chinensis</i> R.Br.	Exotic
63.	Arecaceae	<i>Phoenix sylvestris</i> (L.) Roxb.	Native
64.	Arecaceae	<i>Roystonea regia</i> (HB. & K.) O.F. Cook	Exotic
65.	Asclepiadaceae	<i>Calotropis procera</i> (Aiton) R.Br.	Exotic
66.	Asclepiadaceae	<i>Calotropis gigantea</i> R.Br.	Exotic
67.	Asclepiadaceae	<i>Pergularia daemia</i> (Forssk.) Chiov.	Exotic
68.	Asparagaceae	<i>Asparagus racemosus</i> Willd.	Native
69.	Asparagaceae	<i>Agave wightii</i> Drumm. & Prain.	Exotic
70.	Asparagaceae	<i>Sansevieria zeylanica</i> (L.) Willd.	Exotic
71.	Asparagaceae	<i>Yucca gloriosa</i> L.	Exotic
72.	Asphodelaceae	<i>Aloe vera</i> (L.) Burm.	Exotic
73.	Asteraceae	<i>Acanthospermum hispidum</i> DC.	Exotic
74.	Asteraceae	<i>Acmella oleracea</i> (L.) Jasen	Exotic
75.	Asteraceae	<i>Ageratum conyzoides</i> L.	Exotic
76.	Asteraceae	<i>Artemisia annua</i> L.	Exotic
77.	Asteraceae	<i>Bidens pilosa</i> L.	Exotic
78.	Asteraceae	<i>Blainvillea acmella</i> (L.) Philipson	Exotic
79.	Asteraceae	<i>Blumea lacera</i> (Burm.f.) DC.	Native
80.	Asteraceae	<i>Chrysanthemum carinatum</i> Schousb	Exotic
81.	Asteraceae	<i>Cirsium arvense</i> (L.) Scop.	Exotic
82.	Asteraceae	<i>Cyanthillium cinereum</i> (L.) Rob.	Exotic
83.	Asteraceae	<i>Dahlia pinnata</i> Cav.	Exotic
84.	Asteraceae	<i>Eclipta alba</i> Hassk.	Native
85.	Asteraceae	<i>Galinsoga parviflora</i> Cav.	Exotic
86.	Asteraceae	<i>Gnaphalium luteo-album</i> L.	Exotic
87.	Asteraceae	<i>Grangea maderaspatana</i> (L.) Poir.	Exotic
88.	Asteraceae	<i>Launaea procumbens</i> (Roxb.) Ramayya	Native
89.	Asteraceae	<i>Sonchus asper</i> (L.) Hill	Exotic
90.	Asteraceae	<i>Sphagneticola calendulacea</i> (L.) Priski	Exotic
91.	Asteraceae	<i>Tagetes erecta</i> L.	Exotic
92.	Asteraceae	<i>Tridax procumbens</i> L.	Exotic
93.	Asteraceae	<i>Xanthium strumarium</i> L.	Native
94.	Asteraceae	<i>Zinnia elegans</i> Jacq.	Exotic
95.	Asteraceae	<i>Helianthus annuus</i> L.	Exotic
96.	Asteraceae	<i>Parthenium hysterophorus</i> L.	Exotic
97.	Averrhoaceae	<i>Averrhoa carambola</i> L.	Exotic
98.	Balsaminaceae	<i>Impatiens balsamina</i> L.	Native
99.	Basellaceae	<i>Basella alba</i> L.	Native
100.	Bignoniaceae	<i>Campsis grandiflora</i> (Thunb.) Schum.	Exotic
101.	Bignoniaceae	<i>Tecoma stans</i> (L.) Juss. ex Kunth	Exotic
102.	Bignoniaceae	<i>Fernandoa adenophyllum</i> (Well. ex	Exotic

103.	Bignoniaceae	<i>Jacaranda mimosifolia</i> Don	Exotic
104.	Bignoniaceae	<i>Kigelia africana</i> (Lam.) Benth.	Exotic
105.	Bixaceae	<i>Bixa orellana</i> L.	Exotic
106.	Bombacaceae	<i>Bombax ceiba</i> L.	Native
107.	Bombacaceae	<i>Ceiba pentendra</i> (L.) Gaertn.	Exotic
108.	Boraginaceae	<i>Heliotropium indicum</i> L.	Exotic
109.	Boraginaceae	<i>Cordia dichotoma</i> Forster	Native
110.	Brassicaceae	<i>Brassica juncea</i> (L.) Czern.	Exotic
111.	Brassicaceae	<i>Brassica napus</i> L.	Exotic
112.	Brassicaceae	<i>Brassica oleracea</i> L. var. <i>botrytis</i> L.	Exotic
113.	Brassicaceae	<i>Brassica oleracea</i> L. var. <i>capitata</i> L.	Exotic
114.	Brassicaceae	<i>Brassica rapa</i> L.	Exotic
115.	Brassicaceae	<i>Brassica rapa</i> L. subsp. <i>campestris</i> (L.)	Exotic
116.	Brassicaceae	<i>Iberis amara</i> L.	Exotic
117.	Brassicaceae	<i>Lepidium didymus</i> L	Exotic
118.	Brassicaceae	<i>Nasturtium officinale</i> R.Br.	Exotic
119.	Brassicaceae	<i>Raphanus caudatus</i> L.	Exotic
120.	Brassicaceae	<i>Raphanus raphanistrum</i> L. subsp.	Exotic
121.	Brassicaceae	<i>Rorippa indica</i> (L.) Hiern	Exotic
122.	Brassicaceae	<i>Sisymbrium irio</i> L.	Exotic
123.	Cactaceae	<i>Cereus caesius</i> Salm-Dyck ex Pfeiff.	Exotic
124.	Cactaceae	<i>Cereus hexagonus</i> (L.) Mil.	Exotic
125.	Cactaceae	<i>Cylindropuntia imbricata</i> (Haw.) F.m.	Exotic
126.	Cactaceae	<i>Opuntia dillenii</i> Haw.	Exotic
127.	Caesalpiniaceae	<i>Senna obtusifolia</i> (L.) H.S. Irwin. &	Exotic
128.	Caesalpiniaceae	<i>Senna occidentalis</i> (L.) Link.	Exotic
129.	Caesalpiniaceae	<i>Senna tora</i> (L.) Roxb.	Exotic
130.	Caesalpiniaceae	<i>Caesalpinia decapetala</i> (Roth) Alston	Exotic
131.	Caesalpiniaceae	<i>Parkinsonia aculeata</i> L.	Exotic
132.	Caesalpiniaceae	<i>Caesalpinia pulcherrima</i> (L.) Sw.	Exotic
133.	Caesalpiniaceae	<i>Bauhinia acuminata</i> L.	Native
134.	Caesalpiniaceae	<i>Bauhinia purpurea</i> L.	Native
135.	Caesalpiniaceae	<i>Bauhinia racemosa</i> Lam.	Native
136.	Caesalpiniaceae	<i>Bauhinia variegata</i> L.	Native
137.	Caesalpiniaceae	<i>Cassia fistula</i> L.	Native
138.	Caesalpiniaceae	<i>Cassia grandis</i> L.f.	Exotic
139.	Caesalpiniaceae	<i>Delonix regia</i> (Hook.) Raf.	Exotic
140.	Caesalpiniaceae	<i>Saraca asoca</i> (Roxb.) Willd.	Native
141.	Caesalpiniaceae	<i>Tamarindus indica</i> L.	Exotic
142.	Cannabaceae	<i>Cannabis sativa</i> L.	Exotic
143.	Cannaceae	<i>Canna indica</i> L.	Native
144.	Capparaceae	<i>Capparis decidua</i> (Forssk.) Edgew.	Native
145.	Capparaceae	<i>Crateva adansonii</i> subsp. <i>odora</i> (Buch.-	Native
146.	Caricaceae	<i>Carica papaya</i> L.	Exotic
147.	Caryophyllaceae	<i>Dianthus chinensis</i> L.	Exotic
148.	Caryophyllaceae	<i>Polycarpaea corymbosa</i> (L.) Lam.	Native
149.	Caryophyllaceae	<i>Spergula arvensis</i> L.	Exotic
150.	Caryophyllaceae	<i>Spergularia rubra</i> (L.) Presl & Presl	Exotic
151.	Caryophyllaceae	<i>Stellaria media</i> (L.) Vill.	Exotic
152.	Casuarinaceae	<i>Casuarina equisetifolia</i> L.	Exotic
153.	Chenopodiaceae	<i>Beta vulgaris</i> L.	Exotic
154.	Chenopodiaceae	<i>Chenopodium album</i> L.	Exotic
155.	Chenopodiaceae	<i>Chenopodium murale</i> L.	Exotic
156.	Chenopodiaceae	<i>Spinacia oleracea</i> L.	Exotic

157.	Cleomaceae	<i>Cleome gynandra</i> L.	Native
158.	Cleomaceae	<i>Cleome viscosa</i> L.	Native
159.	Colchicaceae	<i>Gloriosa superba</i> L.	Exotic
160.	Combretaceae	<i>Terminalia arjuna</i> (Roxb. ex DC.)	Native
161.	Combretaceae	<i>Combretum grandiflorum</i> G.Don.	Native
162.	Combretaceae	<i>Combretum indicum</i> L.	Native
163.	Commelinaceae	<i>Commelina benghalensis</i> L.	Native
164.	Commelinaceae	<i>Cyanotis cristata</i> (L.) Schult.	Native
165.	Commelinaceae	<i>Tradescantia albiflora</i> Kunth	Exotic
166.	Commelinaceae	<i>Zebrina pendula</i> Schnizl.	Exotic
167.	Convolvulaceae	<i>Cuscuta reflexa</i> Roxb.	Native
168.	Convolvulaceae	<i>Evolvulus alsinoides</i> (L.) L.	Native
169.	Convolvulaceae	<i>Evolvulus nummularius</i> (L.) L.	Native
170.	Convolvulaceae	<i>Ipomoea aquatica</i> Forssk.	Native
171.	Convolvulaceae	<i>Ipomoea batatas</i> (L.) Lam.	Exotic
172.	Convolvulaceae	<i>Convolvulus arvensis</i> L.	Exotic
173.	Convolvulaceae	<i>Ipomoea pes-tigridis</i> L.	Exotic
174.	Convolvulaceae	<i>Ipomoea nil</i> (L.) Roth	Exotic
175.	Convolvulaceae	<i>Ipomoea carnea</i> Jacq.	Exotic
176.	Convolvulaceae	<i>Ipomoea grandiflora</i> (Dammer)	Exotic
177.	Crassulaceae	<i>Bryophyllum delagoense</i> (Eckl. &	Exotic
178.	Crassulaceae	<i>Bryophyllum pinnatum</i> (Lam.) Oken	Native
179.	Crassulaceae	<i>Kalanchoe daigremontiana</i> Raym.-	Exotic
180.	Crassulaceae	<i>Kalanchoe flammea</i> Stapf	Exotic
181.	Crassulaceae	<i>Kalanchoe integra</i> (Medik.) Kuntze.	Exotic
182.	Crassulaceae	<i>Kalanchoe lanceolata</i> (Forssk.) Pers.	Exotic
183.	Cucurbitaceae	<i>Benincasa hispida</i> (Thunb.) Cogn.	Native
184.	Cucurbitaceae	<i>Citrullus lanatus</i> (Thunb.) var. <i>lanatus</i>	Native
185.	Cucurbitaceae	<i>Coccinia grandis</i> (L.) Voigt.	Native
186.	Cucurbitaceae	<i>Cucumis melo</i> L. var. <i>melo</i>	Exotic
187.	Cucurbitaceae	(<i>Cucumis melo</i> L. var. <i>utilissimus</i>	Exotic
188.	Cucurbitaceae	<i>Lagenaria siceraria</i> (Molina) Standl.	Exotic
189.	Cucurbitaceae	<i>Luffa cylindrica</i> (L.) Roem.	Exotic
190.	Cucurbitaceae	<i>Momordica charantia</i> L.	Native
191.	Cucurbitaceae	<i>Momordica dioica</i> Roxb. ex Willd.	Native
192.	Cucurbitaceae	<i>Mukia maderaspatana</i> (L.) Roem	Native
193.	Cucurbitaceae	<i>Citrullus lanatus</i> (Thunb.) var.	Native
194.	Cucurbitaceae	<i>Cucumis sativus</i> L.	Exotic
195.	Cucurbitaceae	<i>Cucurbita moschata</i> (Duch. ex Lam.)	Exotic
196.	Cucurbitaceae	<i>Cucurbita pepo</i> L.	Exotic
197.	Cyperaceae	<i>Bolboschoenus glaucus</i> (Lam.) S.G.Sm	Native
198.	Cyperaceae	<i>Bulbostylis barbata</i> (Rottb.) Clarke	Native
199.	Cyperaceae	<i>Carex fedia</i> Nees	Exotic
200.	Cyperaceae	<i>Cyperus alopecuroides</i> Rottb.	Exotic
201.	Cyperaceae	<i>Cyperus compactus</i> Retz	Exotic
202.	Cyperaceae	<i>Cyperus compressus</i> L.	Native
203.	Cyperaceae	<i>Cyperus difformis</i> L.	Native
204.	Cyperaceae	<i>Cyperus iria</i> L.	Native
205.	Cyperaceae	<i>Cyperus michelianus</i> subsp. <i>pygmaeus</i>	Native
206.	Cyperaceae	<i>Cyperus niveus</i> Retz.	Exotic
207.	Cyperaceae	<i>Cyperus rotundus</i> L.	Exotic
208.	Cyperaceae	<i>Eleocharis atropurpurea</i> (Retz.) Kunth.	Native
209.	Cyperaceae	<i>Eleocharis palustris</i> R. Br.	Exotic
210.	Cyperaceae	<i>Fimbristylis bis-umbellata</i> (Forssk.)	Native

211.	Cyperaceae	<i>Fimbristylis dichotoma</i> (L.) Vahl	Exotic
212.	Cyperaceae	<i>Pycneus pumilus</i> (L.) Nees	Native
213.	Cyperaceae	<i>Scirpus articulatus</i> L.	Native
214.	Dioscoreaceae	<i>Dioscorea bulbifera</i> L.	Native
215.	Dipterocarpaceae	<i>Shorea robusta</i> Roxb. ex. Gaertn.	Native
216.	Euphorbiaceae	<i>Acalypha indica</i> L.	Native
217.	Euphorbiaceae	<i>Acalypha wilkisia</i> Mull.	Exotic
218.	Euphorbiaceae	<i>Croton bonplandianus</i> Baill.	Exotic
219.	Euphorbiaceae	<i>Euphorbia hirta</i> L.	Exotic
220.	Euphorbiaceae	<i>Euphorbia prostrata</i> Aiton	Exotic
221.	Euphorbiaceae	<i>Euphorbia cotinifolia</i> L.	Exotic
222.	Euphorbiaceae	<i>Euphorbia milli</i> Des Moul.	Exotic
223.	Euphorbiaceae	<i>Euphorbia neriifolia</i> L.	Native
224.	Euphorbiaceae	<i>Euphorbia pulcherrima</i> Willd. ex	Exotic
225.	Euphorbiaceae	<i>Euphorbia tirucalli</i> L.	Native
226.	Euphorbiaceae	<i>Ricinus communis</i> L.	Exotic
227.	Euphorbiaceae	<i>Jatropha curcas</i> L.	Exotic
228.	Fabaceae	<i>Clitoria ternatea</i> L.	Native
229.	Fabaceae	<i>Phaseolus vulgaris</i> L.	Exotic
230.	Fabaceae	<i>Alysicarpus monilifer</i> DC.	Native
231.	Fabaceae	<i>Arachis hypogaea</i> L.	Exotic
232.	Fabaceae	<i>Cicer arietinum</i> L.	Exotic
233.	Fabaceae	<i>Cyamopsis tetragonoloba</i> L.	Native
234.	Fabaceae	<i>Glycyrrhiza glabra</i> L.	Exotic
235.	Fabaceae	<i>Indigofera cordifolia</i> Heyne ex. Roth.	Native
236.	Fabaceae	<i>Indigofera linnaei</i> Ali.	Native
237.	Fabaceae	<i>Lablab purpureus</i> (L.) Sweet	Exotic
238.	Fabaceae	<i>Lathyrus aphaca</i> L.	Native
239.	Fabaceae	<i>Lens culinaris</i> Medik.	Exotic
240.	Fabaceae	<i>Lupinus albus</i> L.	Exotic
241.	Fabaceae	<i>Medicago polymorpha</i> L.	Exotic
242.	Fabaceae	<i>Melilotus albus</i> Medik. ex Desr.	Exotic
243.	Fabaceae	<i>Melilotus indicus</i> (L.) All.	Native
244.	Fabaceae	<i>Millettia tetraotera</i> Kurz,	Native
245.	Fabaceae	<i>Pisum sativum</i> L.	Exotic
246.	Fabaceae	<i>Sesbania bispinosa</i> (Jacq.) Wight	Exotic
247.	Fabaceae	<i>Tephrosia purpurea</i> (L.) Pers.	Native
248.	Fabaceae	<i>Trifolium alexandrinum</i> L.	Exotic
249.	Fabaceae	<i>Trifolium resupinatum</i> L.	Exotic
250.	Fabaceae	<i>Trigonella balansae</i> Boiss. & Reut.	Exotic
251.	Fabaceae	<i>Trigonella foenum-graecum</i> L.	Exotic
252.	Fabaceae	<i>Vicia faba</i> L.	Exotic
253.	Fabaceae	<i>Vicia hirsuta</i> (L.) S. F. Gray.	Exotic
254.	Fabaceae	<i>Vigna mungo</i> (L.) Hepper	Exotic
255.	Fabaceae	<i>Vigna radiata</i> (L.) Wilczek	Exotic
256.	Fabaceae	<i>Vigna unguiculata</i> (L.) Walp. subsp.	Exotic
257.	Fabaceae	<i>Zornia diphylla</i> (L.) Pers.	Native
258.	Fabaceae	<i>Crotalaria juncea</i> L.	Exotic
259.	Fabaceae	<i>Desmodium gangeticum</i> (L.) DC.	Native
260.	Fabaceae	<i>Alhagi maurorum</i> Medik.	Exotic
261.	Fabaceae	<i>Cajanus cajan</i> (L.) Millsp.	Native
262.	Fabaceae	<i>Butea monosperma</i> (Lam.) Taubert.	Native
263.	Fabaceae	<i>Dalbergia sissoo</i> Roxb.	Native
264.	Fabaceae	<i>Erythrina variegata</i> L.	Native

265.	Fabaceae	<i>Pongamia pinnata</i> (L.) Pierre.	Native
266.	Fabaceae	<i>Sesbania grandiflora</i> (L.) Poir.	Exotic
267.	Fabaceae	<i>Abrus precatorius</i> L.	Native
268.	Fabaceae	<i>Indigofera tinctoria</i> L.	Native
269.	Fumariaceae	<i>Fumaria indica</i> (Hausskn.) Pugsley	Native
270.	Hydrocharitaceae	<i>Hydrilla verticillata</i> (L.f.) Royale	Native
271.	Hydrocharitaceae	<i>Vallisneria spiralis</i> L.	Native
272.	Juncaceae	<i>Juncus bufonius</i> L.	Native
273.	Lamiaceae	<i>Anisomeles indica</i> (L.) Kuntze	Native
274.	Lamiaceae	<i>Hyptis suaveolens</i> (L.) Poit.	Native
275.	Lamiaceae	<i>Leonotis nepetifolia</i> (L.) R.Br.	Native
276.	Lamiaceae	<i>Leucas aspera</i> (Willd.) Link	Native
277.	Lamiaceae	<i>Leucas cephalotes</i> (Roth.) Spreng.	Native
278.	Lamiaceae	<i>Mentha spicata</i> L.	Exotic
279.	Lamiaceae	<i>Ocimum americanum</i> L.	Native
280.	Lamiaceae	<i>Ocimum basilicum</i> L.	Native
281.	Lamiaceae	<i>Ocimum tenuiflorum</i> L.	Native
282.	Lamiaceae	<i>Salvia plebeia</i> R. Br.	Exotic
283.	Lamiaceae	<i>Clerodendrum infortunatum</i> L.	Native
284.	Lamiaceae	<i>Vitex negundo</i> L.	Native
285.	Lamiaceae	<i>Tectona grandis</i> L.	Native
286.	Lamiaceae	<i>Volkameria inermis</i> L.	Exotic
287.	Lecythidaceae	<i>Barringtonia acutangula</i> (L.) Gaertn.	Native
288.	Lemnaceae	<i>Lemna perpusilla</i> Torr.	Exotic
289.	Lemnaceae	<i>Wolffia microscopica</i> (Griff) Kurz.	Native
290.	Linaceae	<i>Linum grandiflorum</i> Desf.	Exotic
291.	Linaceae	<i>Linum usitatissimum</i> L.	Exotic
292.	Lythraceae	<i>Ammannia baccifera</i> L.	Native
293.	Lythraceae	<i>Trapa natans</i> L. var. <i>bispinosa</i> (Roxb.)	Exotic
294.	Lythraceae	<i>Lawsonia inermis</i> L.	Exotic
295.	Lythraceae	<i>Lagerstroemia speciosa</i> (L.) Pers	Native
296.	Lythraceae	<i>Lagerstroemia vilosa</i> Wall. ex Kurz	Native
297.	Lythraceae	<i>Punica granatum</i> L.	Exotic
298.	Magnoliaceae	<i>Magnolia champaca</i> (L.) Baill. ex	Native
299.	Magnoliaceae	<i>Magnolia grandiflora</i> L.	Native
300.	Malvaceae	<i>Abelmoschus esculentus</i> (L.) Moench	Exotic
301.	Malvaceae	<i>Abutilon indicum</i> (L.) Sweet	Native
302.	Malvaceae	<i>Sida cordata</i> (Burm.) Borss.	Native
303.	Malvaceae	<i>Malvastrum coromandelianum</i> (L.)	Exotic
304.	Malvaceae	<i>Sida acuta</i> Burm.f.	Exotic
305.	Malvaceae	<i>Sida cordifolia</i> L.	Native
306.	Malvaceae	<i>Sida spinosa</i> L.	Exotic
307.	Malvaceae	<i>Gossypium herbaceum</i> L.,	Exotic
308.	Malvaceae	<i>Hibiscus rosa-sinensis</i> L.	Exotic
309.	Malvaceae	<i>Gossypium hirsutum</i> L.	Exotic
310.	Malvaceae	<i>Malvaviscus arboreus</i> Cav.	Exotic
311.	Malvaceae	<i>Malvaviscus penduliflorus</i> DC.	Exotic
312.	Malvaceae	<i>Thespesia populnea</i> (L.) Sol. ex Correa	Exotic
313.	Malvaceae	<i>Urena lobata</i> L.	Exotic
314.	Martyniaceae	<i>Martynia annua</i> L.	Exotic
315.	Meliaceae	<i>Azadirachta indica</i> Juss.	Native
316.	Meliaceae	<i>Melia azedarach</i> L.	Native
317.	Meliaceae	<i>Toona ciliata</i> Roem.	Native
318.	Menispermaceae	<i>Tinospora cordifolia</i> (Willd.) Miers	Native

319.	Menyanthaceae	<i>Nymphoides indica</i> (L.) Kuntze	Native
320.	Mimosaceae	<i>Mimosa pudica</i> L.	Exotic
321.	Mimosaceae	<i>Prosopis juliflora</i> (Sw.) DC.	Exotic
322.	Mimosaceae	<i>Acacia farnesiana</i> (L.) Willd.	Exotic
323.	Mimosaceae	<i>Calliandra haematocephala</i> Hassk.	Exotic
324.	Mimosaceae	<i>Calliandra inermis</i> (L.) Druce	Exotic
325.	Mimosaceae	<i>Leucaena leucocephala</i> (Lam.) deWit	Exotic
326.	Mimosaceae	<i>Acacia auriculiformis</i> Cunn. ex Benth.	Exotic
327.	Mimosaceae	<i>Acacia catechu</i> (L.f.) Willd.	Native
328.	Mimosaceae	<i>Acacia nilotica</i> (L.) Delile subsp. <i>indica</i>	Exotic
329.	Mimosaceae	<i>Albizia lebbek</i> (L.) Benth.	Native
330.	Mimosaceae	<i>Pithecellobium dulce</i> (Roxb.) Benth.	Exotic
331.	Molluginaceae	<i>Glinus oppositifolius</i> (L.) DC.	Exotic
332.	Molluginaceae	<i>Mollugo nudicaulis</i> Lam.	Exotic
333.	Moraceae	<i>Ficus carica</i> L.	Exotic
334.	Moraceae	<i>Artocarpus heterophyllus</i> Lam.	Native
335.	Moraceae	<i>Artocarpus lacucha</i> Roxb. ex Buch.-	Native
336.	Moraceae	<i>Ficus benghalensis</i> L.	Native
337.	Moraceae	<i>Ficus benjamina</i> L.	Exotic
338.	Moraceae	<i>Ficus elastica</i> L.	Native
339.	Moraceae	<i>Ficus racemosa</i> L.	Native
340.	Moraceae	<i>Ficus religiosa</i> L.	Native
341.	Moraceae	<i>Ficus virens</i> L.	Native
342.	Moraceae	<i>Morus alba</i> L.	Exotic
343.	Moraceae	<i>Morus nigra</i> L.	Exotic
344.	Moringaceae	<i>Moringa oleifera</i> Lam.	Exotic
345.	Musaceae	<i>Musa paradisiaca</i> L.	Native
346.	Myrtaceae	<i>Eugenia latifolia</i> Aubl.	Exotic
347.	Myrtaceae	<i>Callistemon lanceolatus</i> (Sm.) Sweet	Exotic
348.	Myrtaceae	<i>Callistemon viminalis</i> (Sol. ex Gaertn.)	Exotic
349.	Myrtaceae	<i>Corymbia citriodora</i> (Hook.) K.D. Hill	Exotic
350.	Myrtaceae	<i>Eucalyptus camaldulensis</i> Dehnh.	Exotic
351.	Myrtaceae	<i>Eucalyptus globulus</i> Labill.	Exotic
352.	Myrtaceae	<i>Eucalyptus grandis</i> W.Hill	Exotic
353.	Myrtaceae	<i>Eucalyptus longifolia</i> Link	Exotic
354.	Myrtaceae	<i>Psidium guajava</i> L.	Exotic
355.	Myrtaceae	<i>Syzygium cumini</i> (L.) Skeels	Native
356.	Nelumbonacea	<i>Nelumbo nucifera</i> Gaertn.	Native
357.	Nyctaginaceae	<i>Boerhavia diffusa</i> L.	Native
358.	Nyctaginaceae	<i>Mirabilis jalapa</i> L.	Exotic
359.	Nyctaginaceae	<i>Bougainvillea spectabilis</i> Willd.	Exotic
360.	Nymphaeaceae	<i>Nymphaea nouchali</i> Burm.f.	Native
361.	Oleaceae	<i>Jasminum auriculatum</i> Vahl	Native
362.	Oleaceae	<i>Jasminum sambac</i> (L.) Aiton	Exotic
363.	Oleaceae	<i>Nyctanthes arbor-tristis</i> L.	Native
364.	Onagraceae	<i>Ludwigia adscendens</i> (L.) H. Hara	Exotic
365.	Orchidaceae	<i>Zeuxine strateumatica</i> (L.) Schltr.	Exotic
366.	Oxalidaceae	<i>Oxalis corniculata</i> L.	Exotic
367.	Oxalidaceae	<i>Oxalis debilis</i> Kunth. var. <i>corymbosa</i>	Exotic
368.	Papaveraceae	<i>Argemone mexicana</i> L.	Exotic
369.	Papaveraceae	<i>Argemone ochroleuca</i> ssp. <i>ochroleuca</i>	Exotic
370.	Papaveraceae	<i>Papaver glaucum</i> Boiss. & Hausskn.	Exotic
371.	Passifloraceae	<i>Passiflora foetida</i> L.	Exotic
372.	Pedaliaceae	<i>Pedaliium murex</i> L.	Native

373.	Pedaliaceae	<i>Sesamum indicum</i> L.	Exotic
374.	Phyllanthaceae	<i>Phyllanthus fraternus</i> Webster	Native
375.	Phyllanthaceae	<i>Phyllanthus emblica</i> L.	Native
376.	Plantaginaceae	<i>Plantago major</i> L.	Exotic
377.	Plumbaginaceae	<i>Plumbago rosea</i> L.,	Native
378.	Plumbaginaceae	<i>Plumbago zeylanica</i> L.	Exotic
379.	Poaceae	<i>Achrachne racemosa</i> L.	Exotic
380.	Poaceae	<i>Apluda mutica</i> L.	Native
381.	Poaceae	<i>Aristida adscensionis</i> L.	Exotic
382.	Poaceae	<i>Arundo donax</i> L.	Native
383.	Poaceae	<i>Avena sativa</i> L.	Exotic
384.	Poaceae	<i>Brachiaria ramosa</i> (L.) Stapf.	Native
385.	Poaceae	<i>Cenchrus ciliaris</i> L.	Native
386.	Poaceae	<i>Chloris barbata</i> Sw.	Exotic
387.	Poaceae	<i>Coix lacryma-jobi</i> L.	Native
388.	Poaceae	<i>Cymbopogon citratus</i> (DC.) Stapf	Native
389.	Poaceae	<i>Cynodon dactylon</i> (L.) Pers.	Exotic
390.	Poaceae	<i>Dactyloctenium aegyptium</i> (L.) Willd.	Native
391.	Poaceae	<i>Dactyloctenium scindicum</i> Boiss.	Native
392.	Poaceae	<i>Dendrocalamus strictus</i> (Roxb.) Nees	Native
393.	Poaceae	<i>Desmostachya bipinnata</i> (L.) Stapf.	Native
394.	Poaceae	<i>Dichanthium annulatum</i> (Forssk.) Stapf.	Native
395.	Poaceae	<i>Digitaria setigera</i> Roth.	Native
396.	Poaceae	<i>Echinochloa colona</i> (L.) Link.	Native
397.	Poaceae	<i>Eleusine indica</i> (L.) Gaertn.	Native
398.	Poaceae	<i>Eragrostis ciliaris</i> (L.) R. Br.	Native
399.	Poaceae	<i>Eragrostis pilosa</i> (L.) P. Beauv.	Native
400.	Poaceae	<i>Eragrostis tremula</i> (Lam.) Hochst. ex.	Native
401.	Poaceae	<i>Hemarthria compressa</i> (L.f.) R.Br.	Exotic
402.	Poaceae	<i>Heteropogon contortus</i> (L.) P. Beauv.	Exotic
403.	Poaceae	<i>Hordeum vulgare</i> L.	Exotic
404.	Poaceae	<i>Hygroryza aristata</i> (Retz.) Nees ex.	Native
405.	Poaceae	<i>Imperata cylindrica</i> (L.) Raeuschl.	Native
406.	Poaceae	<i>Lolium temulentum</i> L.	Exotic
407.	Poaceae	<i>Oplismenus burmanii</i> (Retz.) P. Beauv	Exotic
408.	Poaceae	<i>Oryza sativa</i> L.	Native
409.	Poaceae	<i>Panicum antidotale</i> Retz.	Native
410.	Poaceae	<i>Paspalidium flavidum</i> (Retz.) A. Camus	Native
411.	Poaceae	<i>Paspalum distichum</i> L.	Native
412.	Poaceae	<i>Pennisetum glaucum</i> (L.) R.Br.	Native
413.	Poaceae	<i>Phalaris minor</i> Retz.	Exotic
414.	Poaceae	<i>Phragmatis karka</i> (Retz.) Trin ex Steud	Native
415.	Poaceae	<i>Poa annua</i> L.	Exotic
416.	Poaceae	<i>Polypogon monspeliensis</i> (L.) Desf.	Exotic
417.	Poaceae	<i>Saccharum bengalense</i> Retz.	Native
418.	Poaceae	<i>Saccharum officinarum</i> L.	Native
419.	Poaceae	<i>Saccharum spontaneum</i> L.	Native
420.	Poaceae	<i>Setaria barbata</i> (Lam.) Kunth	Exotic
421.	Poaceae	<i>Setaria verticillata</i> (L.) P.Beauv.	Exotic
422.	Poaceae	<i>Sorghum bicolor</i> (L.) Moench	Exotic
423.	Poaceae	<i>Sorghum halepense</i> (L.) Pers.	Exotic
424.	Poaceae	<i>Sporobolus diandrus</i> (Retz.) P.Beauv.	Exotic
425.	Poaceae	<i>Triticum aestivum</i> L.	Exotic
426.	Poaceae	<i>Urochloa panicoides</i> P.Beauv.	Exotic

427.	Poaceae	<i>Zea mays</i> L.	Exotic
428.	Poaceae	<i>Bambusa vulgaris</i> Schrad. ex	Native
429.	Polygalaceae	<i>Polygala arvensis</i> Willd.	Native
430.	Polygalaceae	<i>Polygala erioptera</i> DC.	Native
431.	Polygonaceae	<i>Antigonon leptopus</i> Hook. & Arn.	Exotic
432.	Polygonaceae	<i>Polygonum plebeium</i> R.Br.	Native
433.	Polygonaceae	<i>Rumex dentatus</i> L.	Exotic
434.	Pontederiaceae	<i>Eichhornia crassipes</i> (Mart.) Solms.	Exotic
435.	Pontederiaceae	<i>Monochoria vaginalis</i> (Burm.) Presl	Native
436.	Portulacaceae	<i>Portulaca grandiflora</i> Hook.	Exotic
437.	Portulacaceae	<i>Portulaca oleracea</i> L.	Exotic
438.	Portulacaceae	<i>Portulaca pilosa</i> L.	Exotic
439.	Potamogetonac	<i>Potamogeton crispus</i> L.	Exotic
440.	Primulaceae	<i>Anagallis arvensis</i> L.	Exotic
441.	Proteaceae	<i>Grevillea robusta</i> Cunn. ex R.Br.	Exotic
442.	Putranjivaceae	<i>Putranjiva roxburghii</i> Wall.	Native
443.	Ranunculaceae	<i>Consolida ajacis</i> (L.) Schur	Exotic
444.	Ranunculaceae	<i>Ranunculus sceleratus</i> L.	Exotic
445.	Rhamnaceae	<i>Ziziphus nummularia</i> (Burm.) Wight &	Native
446.	Rhamnaceae	<i>Ziziphus jujuba</i> Mill.	Native
447.	Rosaceae	<i>Duchesnea indica</i> (Andr.) Focke	Native
448.	Rosaceae	<i>Potentilla supina</i> L.	Native
449.	Rosaceae	<i>Rosa chinensis</i> Jacq.	Exotic
450.	Rosaceae	<i>Rosa chinensis</i> var. <i>semperflorens</i>	Exotic
451.	Rosaceae	<i>Rosa gigantea</i> Collett ex Crep.	Native
452.	Rosaceae	<i>Rosa macrophylla</i> Lindl.	Exotic
453.	Rosaceae	<i>Rosa multiflora</i> Thunb.	Exotic
454.	Rosaceae	<i>Prunus persica</i> (L.) Batsch	Exotic
455.	Rubiaceae	<i>Dentella repens</i> (L.) Forst. & Forst.	Native
456.	Rubiaceae	<i>Oldenlandia corymbosa</i> L.	Native
457.	Rubiaceae	<i>Hamelia patens</i> Jacq.	Exotic
458.	Rubiaceae	<i>Ixora chinensis</i> Lam.	Exotic
459.	Rubiaceae	<i>Ixora coccinea</i> L.	Native
460.	Rubiaceae	<i>Mussaenda frondosa</i> L.	Native
461.	Rubiaceae	<i>Mussaenda luteola</i> Delite	Exotic
462.	Rubiaceae	<i>Neolamarckia cadamba</i> (Roxb) Bosser	Native
463.	Rubiaceae	<i>Wendlandia glabrata</i> DC.	Exotic
464.	Rutaceae	<i>Citrus medica</i> L.	Native
465.	Rutaceae	<i>Citrus limon</i> (L.) Osbeck.	Native
466.	Rutaceae	<i>Citrus maxima</i> (Burm.) Merr.	Exotic
467.	Rutaceae	<i>Murraya koenigii</i> (L.) Spreng.	Native
468.	Rutaceae	<i>Murraya paniculata</i> (L.) Jack.	Native
469.	Rutaceae	<i>Citrus aurantium</i> L.	Native
470.	Rutaceae	<i>Citrus aurantium</i> var. <i>sinensis</i> L.	Exotic
471.	Rutaceae	<i>Aegle marmelos</i> (L.) Correa	Native
472.	Rutaceae	<i>Limonia acidissima</i> Groff	Native
473.	Salicaceae	<i>Salix tetrasperma</i> Roxb.	Native
474.	Salicaceae	<i>Populus alba</i> L.	Exotic
475.	Sapindaceae	<i>Cardiospermum halicacabum</i> L.	Exotic
476.	Sapindaceae	<i>Litchi chinensis</i> Sonn.	Exotic
477.	Sapindaceae	<i>Sapindus trifoliatus</i> L	Native
478.	Sapotaceae	<i>Madhuca longifolia</i> (Koenig ex L.)	Native
479.	Scrophulariace	<i>Antirrhinum majus</i> L.	Exotic
480.	Scrophulariace	<i>Antirrhinum orontium</i> L.	Native

481.	Scrophulariaceae	<i>Bacopa monnieri</i> (L.) Penn.	Native
482.	Scrophulariaceae	<i>Limnophila indica</i> (L.) Druce	Native
483.	Scrophulariaceae	<i>Lindenbergia indica</i> (L.) Vatke	Native
484.	Scrophulariaceae	<i>Mazus pumilus</i> (Burm. f.) Steenis	Native
485.	Scrophulariaceae	<i>Scoparia dulcis</i> L.	Exotic
486.	Scrophulariaceae	<i>Verbascum thapsus</i> L.	Exotic
487.	Scrophulariaceae	<i>Veronica anagallis-aquatica</i> L.	Exotic
488.	Simaroubaceae	<i>Ailanthus excelsa</i> Roxb.	Native
489.	Solanaceae	<i>Datura metel</i> L.	Exotic
490.	Solanaceae	<i>Datura stramonium</i> L.	Exotic
491.	Solanaceae	<i>Nicotiana plumbaginifolia</i> Viv.	Exotic
492.	Solanaceae	<i>Petunia integrifolia</i> (Hook.) Schinz &	Exotic
493.	Solanaceae	<i>Physalis minima</i> L.	Exotic
494.	Solanaceae	<i>Solanum americanum</i> Mill.	Exotic
495.	Solanaceae	<i>Solanum tuberosum</i> L.	Exotic
496.	Solanaceae	<i>Solanum virginianum</i> L.	Native
497.	Solanaceae	<i>Lycopersicon esculentum</i> Mill.	Exotic
498.	Solanaceae	<i>Capsicum annuum</i> L.	Exotic
499.	Solanaceae	<i>Cestrum nocturnum</i> L.	Exotic
500.	Solanaceae	<i>Solanum melongena</i> L.	Native
501.	Solanaceae	<i>Withania somnifera</i> (L.) Dunal	Exotic
502.	Sterculiaceae	<i>Dombeya spectabilis</i> Bojer,	Exotic
503.	Sterculiaceae	<i>Pentapetes phoenicea</i> L.	Exotic
504.	Sterculiaceae	<i>Helicteres isora</i> L.	Native
505.	Sterculiaceae	<i>Pterospermum acerifolium</i> (L.) Willd.	Native
506.	Sterculiaceae	<i>Sterculia foetida</i> L.	Exotic
507.	Sterculiaceae	<i>Melochia corchorifolia</i> L.	Exotic
508.	Tamaricaceae	<i>Tamarix aphylla</i> (L.) Karst	Exotic
509.	Tiliaceae	<i>Corchorus capsularis</i> L.	Exotic
510.	Tiliaceae	<i>Corchorus olitorius</i> L.	Exotic
511.	Tiliaceae	<i>Triumfetta rhomboidea</i> Jacq.	Exotic
512.	Tiliaceae	<i>Grewia asiatica</i> L.	Native
513.	Tiliaceae	<i>Grewia hirsuta</i> Vahl	Exotic
514.	Tropaeolaceae	<i>Tropaeolum majus</i> L.	Exotic
515.	Typhaceae	<i>Typha angustifolia</i> L.	Exotic
516.	Ulmaceae	<i>Holoptelea integrifolia</i> (Roxb.) Planch.	Native
517.	Verbenaceae	<i>Phyla nudiflora</i> (L.) Greene	Exotic
518.	Verbenaceae	<i>Duranta erecta</i> L.	Exotic
519.	Verbenaceae	<i>Lantana camara</i> L.	Exotic
520.	Violaceae	<i>Viola tricolor</i> L.	Exotic
521.	Vitaceae	<i>Cayratia trifolia</i> (L.) Domin	Native
522.	Vitaceae	<i>Vitis vinifera</i> L.	Exotic
523.	Zingiberaceae	<i>Curcuma longa</i> L.	Native
524.	Zingiberaceae	<i>Zingiber officinale</i> Rosc.	Native
525.	Zygophyllaceae	<i>Tribulus terrestris</i> L.	Native
526.	Zygophyllaceae	<i>Fagonia arabica</i> L.	Native

In district Rampur a total of 526 plant species belonging to 109 families of angiosperms respectively (Table - 1). From the present result, analysis on origin status of the flora of district Rampur reveals that 217 (41.25%) species plants were represented by the native species, while 309 (58.75%) species plant species were represented as exotic type. Detailed information regarding the plants origin status (ecological

parameters) was shown in Table - 2 & Figure - 2. The Indo-Gangetic regions shows the highest number of exotic flora as Rampur district present in Indo-Gangetic regions of India that is why Rampur district possesses the highest number of exotic plant species (Ahmad, 1999). The exotic flora shows highest number of plant species as compare to native species according to the result of Singh (2015), same result was found in the present survey in Rampur district (Ahmad, 1999; Tomar *et al.* 2008; Narain, 2010; Ahamed & Gupta, 2010; Singh, 2011, 2012, 2015, 2020). Rampur district is located in Western Uttar Pradesh and is a part of the Indo-Gangetic plains of India. The soil is alluvial type formed by the deposition of sediments of river Ganga. Soil is fertile and sandy loam in texture. (Singh *et al.*, 2020, 2023).

Table 2:- Number and percentage of Origin status of Angiospermic flora of district Rampur (U.P).

S. No.	Origin Status	Number	Percentage (%)
1.	Exotic	309	58.75 %
2.	Native	217	41.25 %
Total =		526	100.00 %

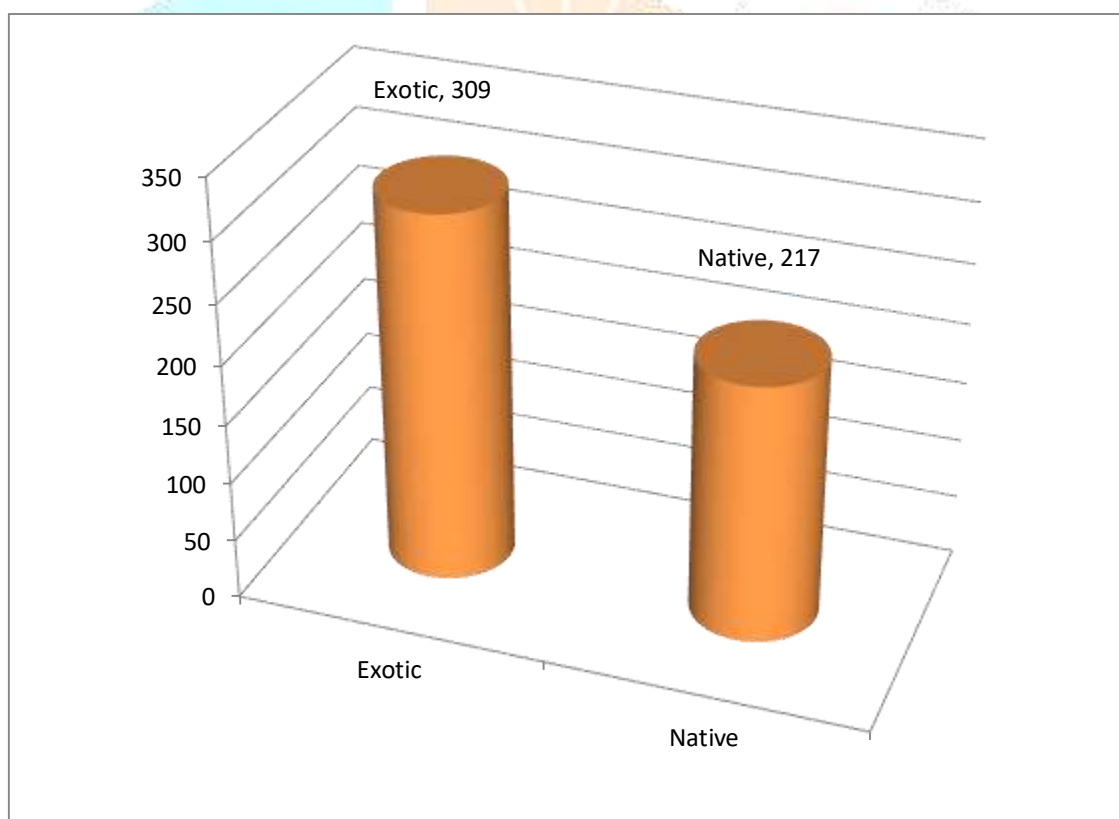


Figure 2:- Origin status wise analysis of angiospermic species of district Rampur.

CONCLUSION

The study conducted in the six tehsils of Rampur district revealed a concerning disparity between exotic and native plant species. Among the 526 plant species surveyed, 309 (58.25%) were identified as exotic, while only 217 (41.25%) were native to the region. Notably, the majority of these exotic species originated from Tropical America. Furthermore, the study observed a high prevalence of invasive alien species in the survey area, which pose significant risks to native plant species and human health. These invasive species have been associated with various health issues, including asthma and allergies, among farmers and residents of the district. Rampur's location within the Indo-Gangetic plains amplifies these challenges, as the region's environmental conditions may facilitate the proliferation of exotic species. The prevalence of exotic species in this region underscores the need for careful monitoring and management of plant biodiversity. The study's findings resonate with previous research, emphasizing the urgent need for robust management strategies to address the invasive species crisis not only in Rampur district but also in similar regions facing similar ecological threats.

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