

Angiospermic flora of Rajshahi district, Bangladesh

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Abstract: The present article focuses on an inventory of angiospermic flora of Rajshahi district. Using traditional techniques data have been collected from the study area during July 2010 to June 2012. In this preliminary assessment, a total of 425 angiosperm species under 321 genera and 108 families were recorded. Habit analysis shows that herbs, shrubs, climbers and trees are represented by 186, 74, 52 and 113 species, respectively. Out of the total number of species 281 were common, 76 were very common, 57 were vulnerable and 11 were endangered species in the study area.

Keywords: Preliminary Assessment, Angiospermic Flora, Rajshahi District, Bangladesh

1. Introduction

Rajshahi district is a district in north-western Bangladesh. It is a part of the Rajshahi division. The metropolitan city of Rajshahi is in Rajshahi district. The Rajshahi district is bounded by Naogaon district to the north, Natore district to the east, and Chapai Nawabganj district and the river Padma to the south. The Rajshahi district has a sub-tropical monsoon climate, typical of Bangladesh, which falls within a low rainfall zone of the country. 75 percent rainfall occurs during June-September. The annual rainfall is 1350 mm. Temperature of the area is low in January varies from 9.0°C to 14.1°C. From February an increasing trend of temperature is found up to April and thereafter temperature start to decline. In April temperature varies from 22.6°C to 36.9°C. The mean relative humidity is found to be low in March (65%) and high in July-September (88-89%) [2].

The plants of Rajshahi district exhibit diverse habitats, such as wetland, scrub jungles, fallow lands etc. which support luxuriant formation of angiosperms and play a vital role in the local economy, environment and primary healthcare system. The importance of studying local floristic diversity has been realized and carried out in Bangladesh by Khan et al. [6], Rahman and Hassan [12], Uddin and Rahman [20], Khan and Huq [7], Uddin and Hassan [21]. Recently Tutul et al. [18, 19] and Rahman et al. [13, 14] conducted the inventorying of angiosperm diversity of Dhamrai Upazilla of Dhaka and Runcia Sal forest of Bangladesh. The present study will be made an inventory of the angiosperm plant species of Rajshahi

district, Bangladesh.

2. Materials and Methods

Angiospermic plant species growing throughout in the Rajshahi district of Bangladesh was carried out from July 2010 to June 2012. A total of 425 species under 321 genera and 108 families were collected and identified. A survey on the determination of the location of different species was made and a list was prepared to be acquainted with the plants available in the selected area. All the species were noted and time to time the areas were visited to see when they flowered. For the morphological study, different types of species were examined again and again in order to see if there was any variation or not. They were collected at flowering stages and herbarium specimens were prepared as vouchers. In this practice standard method was followed. In this regard different types of plant species were collected from different habitats. All the collected plant specimens were kept in the Herbarium, Department of Botany, and University of Rajshahi, Bangladesh.

The collected specimens were identified studying related taxonomic books and booklets from the library of Rajshahi University. The major collected materials were identified and described up to species with the help of [3], [4], [8] and [10]. In some cases [5], [1], [15-17] and [11] were consulted. For the current name and up to date nomenclature [5], [1] and [9] were also consulted.

3. Results and Discussion

Based on this study, a preliminary list of angiospermic flora of the Rajshahi district was made that includes 425 angiosperm species under 321 genera and 108 families. For each species botanical name, local name, habit, plant population and family were provided. Of 425 species recorded here, herbs are represented by 186, trees by 113, shrubs by 74, and climber by 52 species. Out of the total number of species 281 were common, 76 were very common, 57 were vulnerable and 11 were endangered species (Table 1).

Distribution of angiosperm species in the families shows variation. The family Asteraceae is represented by 35 species and each of Caesalpiniaceae and Solanaceae is

represented by 15 species. Cucurbitaceae is represented by 23 species, Mimosaceae by 10 species, Moraceae by 9 species, Poaceae by 14 species, Rutaceae by 11 species, Fabaceae by 26 species and Amaranthaceae by 9 species. A single species in each was recorded by 52 families while two to seven species in each was recorded by 46 families (Table 1).

Among the species studied, *Acacia mangium* Willd., *Blumea laciniata* (Roxb.) DC., *Couroupita guianensis* Aubl., *Crescentia cujette* L., *Jacaranda mimosifolia* D. Don., *Tagetes patula* L., *Tabebuia rosea* (Bertol.) DC., *Wedelia trilobata* (L.) A. S. Hitchc. and *Xylia dolabiformis* Benth. Have been reported here for the first time from Rajshahi district, and *Parthenium hysterophorus* Linn. Was a new record from Bangladesh.

Table 1. Angiospermic flora in the Rajshahi district of Bangladesh

S/N	Botanical name	Local name	Family name	Habit	Plant population
1	<i>Abelmoshus esculentus</i> (L.) Moen.	Bhindi	Malvaceae	Herb	VC
2	<i>Abroma augusta</i> (L.) L. f.	Ulatkambal	Sterculiaceae	Shrub	VS
3	<i>Abrus precatorius</i> L.	Kuch	Fabaceae	Climber	ES
4	<i>Abutilon indicum</i> (L.) Sweet	Potari	Malvaceae	Herb	C
5	<i>Acacia auriculiformis</i> Benth.	Akasmoni	Mimosaceae	Tree	VC
6	<i>Acacia mangium</i> Willd.	Mangium	Mimosaceae	Tree	C
7	<i>Acacia catechu</i> (L. f.) Willd.	Khair	Mimosaceae	Tree	C
8	<i>Acacia nilotica</i> (L.) Del.	Babla	Mimosaceae	Tree	C
9	<i>Acalypha indica</i> L.	Muktajhuri	Euphorbiaceae	Herb	VC
10	<i>Achyranthes aspera</i> L.	Apang	Amaranthaceae	Herb	VC
11	<i>Acorus calamus</i> L.	Bach	Araceae	Herb	C
12	<i>Adhatoda vasica</i> Nees	Basak	Acanthaceae	Shrub	C
13	<i>Aegle marmelos</i> (L.) Correa	Bel	Rutaceae	Tree	C
14	<i>Aerva sanguinolenta</i> (L.) Bl.	Nuria	Amaranthaceae	Herb	C
15	<i>Agave americana</i> L.	Agave	Agavaceae	Herb	C
16	<i>Ageratum conyzoides</i> (L.) L.	Ochunti	Asteraceae	Herb	VC
17	<i>Albizia lebbek</i> (L.) Benth	Sirish	Mimosaceae	Tree	C
18	<i>Albizia lucida</i> Benth.	Silkoroi	Mimosaceae	Tree	C
19	<i>Albizia procera</i> Benth.	Koroi	Mimosaceae	Tree	C
20	<i>Albizia richardiana</i> King & Prain	Gagansirish	Mimosaceae	Tree	C
21	<i>Allium cepa</i> L.	Piaj	Liliaceae	Herb	C
22	<i>Allium sativum</i> L.	Rosun	Liliaceae	Herb	C
23	<i>Alocasia indica</i> (Roxb.) Schott.	Mankachu	Araceae	Herb	C
24	<i>Aloe vera</i> (L) Burm. f.	Gritakumari	Aloeaceae	Herb	C
25	<i>Alstonia scholaris</i> (L.) R. Br.	Chatim	Apocynaceae	Tree	C
26	<i>Alternanthera philoxeroides</i> (Mart.) Griseb.	Helencha	Amaranthaceae	Herb	C
27	<i>Alternanthera sessilis</i> R.Br.	Chanchi	Amaranthaceae	Herb	VC
28	<i>Amaranthus lividus</i> Roxb.	Gobranotey	Amaranthaceae	Herb	VC
29	<i>Amaranthus spinosus</i> L.	Kantanotey	Amaranthaceae	Herb	VC
30	<i>Amaranthus tricolor</i> L.	Lalshak	Amaranthaceae	Herb	VC
31	<i>Amaranthus viridis</i> L.	Noteyshak	Amaranthaceae	Herb	VC
32	<i>Ammania baccifera</i> L.	Janglimehendi	Lythraceae	Herb	C
33	<i>Amorphophallus campanulatus</i> (Roxb) Bl. Ex Dence	Olkochu	Araceae	Herb	C
34	<i>Ananas sativus</i> Schult. f.	Anaras	Bromeliaceae	Herb	VS
35	<i>Anagallis arvensis</i> L.	Pimpernel	Primulaceae	Herb	C
36	<i>Anacardium occidentale</i> L.	Kajubadam	Anacardiaceae	Tree	VS
37	<i>Andrographis paniculata</i> Wall ex Nees	Kalomegh	Acanthaceae	Herb	C
38	<i>Anisomeles indica</i> (L.) Kuntze.	Gobura	Lamiaceae	Herb	C
39	<i>Annona reticulata</i> L.	Nona	Annonaceae	Tree	C
40	<i>Annona squamosa</i> L.	Ata	Annonaceae	Tree	C
41	<i>Anthocephalus chinensis</i> (Lamk.) Rich. ex Walp.	Kadam	Rubiaceae	Tree	C
42	<i>Antirrhinum majus</i> L.	Snapdragon	Scrophulariaceae	Herb	VS
43	<i>Aphanamixis polystachya</i> (Wall.) R N Park.	Pitraj	Meliaceae	Tree	VS
44	<i>Aquilaria agallocha</i> Roxb.	Agar	Thymelaeaceae	Tree	VS
45	<i>Arachis hypogea</i> L.	Chenabadam	Fabaceae	Herb	C
46	<i>Areca catechu</i> L.	Supari	Arecaceae	Tree	VC
47	<i>Argemone maxicana</i> L.	Shialkanta	Papaveraceae	Herb	C
48	<i>Aristolachia indica</i> L.	Iswarmul	Aristolachiaceae	Climber	VS
49	<i>Artocarpus heterophyllus</i> Lamk.	Kathal	Moraceae	Tree	VC
50	<i>Artocarpus lacucha</i> Buch.-Ham.	Deua	Moraceae	Tree	VS

51	<i>Asparagus racemosus</i> L.	Satamuli	Liliaceae	Climber	C
52	<i>Averrhoa carambola</i> L.	Kamranga	Oxalidaceae	Tree	R
53	<i>Averrhoa bilimbi</i> L.	Kamranga	Oxalidaceae	Tree	VS
54	<i>Azadirachta indica</i> A. Juss.	Neem	Meliaceae	Tree	VC
55	<i>Baccaurea ramiflora</i> Lour.	Lotkan	Euphorbiaceae	Tree	C
56	<i>Bacopa monnieri</i> (L.) Pennell	Brammishak	Scrophulariaceae	Herb	VS
57	<i>Bambusa balcooa</i> Roxb.	Valkabans	Poaceae	Tree	C
58	<i>Bambusa tulda</i> Roxb.	Tollabans	Poaceae	Tree	C
59	<i>Barringtonia acutangula</i> (L.) Gaertn	Hijol	Lecythidaceae	Tree	ES
60	<i>Barleria cristata</i> L.	Swetjanti	Acanthaceae	Herb	C
61	<i>Basella alba</i> L.	Puishak.	Basellaceae	Climber	C
62	<i>Bauhinia acuminata</i> L.	Kanchan	Caesalpinaceae	Tree	C
63	<i>Benincasa hispida</i> (Thunb.) Cogn.	Chalkumra	Cucurbitaceae	Climber	C
64	<i>Beta vulgaris</i> L.	Beetpalang	Chenopodiaceae	Herb	VS
65	<i>Biophytum sensitivum</i> (L.) DC.	Panilajuk	Oxalidaceae	Herb	VS
66	<i>Bixa orellana</i> L.	Jafran, Sidur	Bixaceae	Tree	ES
67	<i>Blumea lacera</i> (Burm.f.) DC.	Kukurshunga	Asteraceae	Herb	C
68	<i>Blumea laciniata</i> DC.	Kukurshunga	Asteraceae	Herb	C
69	<i>Boerhaavia repens</i> L.	Punarnava	Nyctaginaceae	Climber	C
70	<i>Bombax ceiba</i> L.	Simul	Bombacaceae	Tree	C
71	<i>Bombax insignis</i> Wall.	Varotiosimul	Bombacaceae	Tree	ES
72	<i>Borassus flabellifer</i> L.	Tal	Arecaceae	Tree	C
73	<i>Bougainvillea spectabilis</i> Willd.	Baganbilas	Nyctaginaceae	Climber	C
74	<i>Brassica napus</i> L.	Sarisha	Brassicaceae	Herb	C
75	<i>Brassica juncea</i> L.	Raisarisha	Brassicaceae	Herb	C
76	<i>Brassica oleracea</i> L. var. <i>capitata</i>	Badhakopi	Brassicaceae	Herb	C
77	<i>Brassica oleracea</i> L. var. <i>botrydis</i>	Phulkapi	Brassicaceae	Herb	C
78	<i>Brassica rapa</i> L.	Salgom	Brassicaceae	Herb	C
79	<i>Butea monosperma</i> (Lam.) Taub.	Palas	Fabaceae	Tree	C
80	<i>Caesalpinia bonduc</i> (L.) Roxb.	Nata	Caesalpinaceae	Shrub	C
81	<i>Caesulia auxillaris</i> Roxb.	Caesulia	Asteraceae	Herb	C
82	<i>Cajanus cajan</i> (L.) Huth.	Arhar	Fabaceae	Shrub	C
83	<i>Calamus rotung</i> L.	Beet	Arecaceae	Shrub	VS
84	<i>Calendula officinalis</i> Hook.	Calendula	Asteraceae	Herb	C
85	<i>Callistemon citrinus</i> Stapf.	Bottlebrass	Myrtaceae	Tree	C
86	<i>Callistephus chinensis</i> L.	Aster	Asteraceae	Herb	C
87	<i>Calotropis gigantea</i> Br.	Baraakanda	Asclepiadaceae	Shrub	C
88	<i>Calotropis procera</i> Br.	Akanda	Asclepiadaceae	Shrub	C
89	<i>Canna indica</i> L.	Kolabati	Cannaceae	Herb	C
90	<i>Capsicum frutescens</i> L.	Morich	Solanaceae	Herb	C
91	<i>Careya arborea</i> Roxb.	Kumvi	Lecythidaceae	Tree	VS
92	<i>Carica papaya</i> L.	Pepe	Caricaceae	Tree	VC
93	<i>Carissa carandus</i> L.	Karamcha	Apocynaceae	Shrub	VC
94	<i>Cassia alata</i> L.	Dadmardan	Caesalpinaceae	Shrub	C
95	<i>Cassia fistula</i> L.	Badarlathi	Caesalpinaceae	Tree	C
96	<i>Cassia sophera</i> L.	Kalkashundha	Caesalpinaceae	Shrub	C
97	<i>Cassia obtusifolia</i> L.	Kalkashundha	Caesalpinaceae	Shrub	C
98	<i>Cassia tora</i> L.	Kalkashundha	Caesalpinaceae	Shrub	C
99	<i>Cassia siamea</i> Lam.	Minjuri	Caesalpinaceae	Tree	C
100	<i>Cassia renigera</i> L.	Minjiri	Caesalpinaceae	Tree	C
101	<i>Cassia grandis</i> L.	Mingiri	Caesalpinaceae	Tree	C
102	<i>Casuarina equisetifolia</i> L.	Jhau	Casuarinaceae	Tree	C
103	<i>Catharanthus roseus</i> (L.) G. Don.	Nayantara	Apocynaceae	Herb	VC
104	<i>Celosia cristata</i> L.	Morogphul	Amaranthaceae	Herb	C
105	<i>Centella asiatica</i> (L.) Urban.	Thankuni	Apiaceae	Herb	C
106	<i>Cestrum nocturnum</i> L.	Hasnahena	Solanaceae	Shrub	C
107	<i>Ceratophyllum demersum</i> L.	Jhanjhi	Ceratophyllaceae	Herb	C
108	<i>Chenopodium album</i> L.	Botuashak	Chenopodiaceae	Herb	C
109	<i>Chenopodium ambrosoides</i> L.	Banbotua	Chenopodiaceae	Herb	C
110	<i>Chrozophora plicata</i> L.	Khudiokra	Euphorbiaceae	Herb	C
111	<i>Chrysanthamum coronarium</i> L.	Chandramollica	Asteraceae	Shrub	C
112	<i>Cryspogon aciculatus</i> (Retz.) Trin.	Premkanta	Poaceae	Herb	VC
113	<i>Cicer arietinum</i> L.	Cholla	Fabaceae	Herb	C
114	<i>Cinnamomum tamala</i> Nees.	Tejpata	Lauraceae	Shrub	C
115	<i>Circium arvense</i> (L.) Scop.	Circium	Asteraceae	Herb	C
116	<i>Citrullus lanatus</i> (Thunb.) Mans.	Turmuz	Cucurbitaceae	Climber	VC
117	<i>Citrus aurantifolia</i> Sw.	Kagochilebu	Rutaceae	Shrub	C
118	<i>Citrus grandis</i> (L.) Osbeck.	Jambura	Rutaceae	Tree	C
119	<i>Citrus limon</i> (L.) Burm.f.	Goralebu	Rutaceae	Shrub	C
120	<i>Citrus reticulata</i> Blanco	Kamlalebu	Rtaceae	Tree	VS
121	<i>Clausena heptaphylla</i> W. & A.	Panmashlla	Rutaceae	Shrub	ES
122	<i>Cleome viscosa</i> L.	Hurhuria	Capparaceae	Herb	C
123	<i>Clerodendrum viscosum</i> Vent.	Bhat	Verbenaceae	Shrub	VC
124	<i>Clitoria ternatea</i> L.	Aparajita	Fabaceae	Climber	C

125	<i>Coccinea cordifolia</i> (L.) Cogn.	Telakucha	Cucurbitaceae	Climber	VC
126	<i>Cocos nucifera</i> L.	Narikel	Arecaceae	Tree	VC
127	<i>Codiaeum variegatum</i> Bl.	Patabahar	Euphorbiaceae	Shrub	VC
128	<i>Colocasia esculenta</i> (L.) Schott.	Kochu	Araceae	Herb	VC
129	<i>Commelina benghalensis</i> L.	Kanchira	Commelinaceae	Herb	C
130	<i>Corchorus capsularis</i> L.	Deshipat	Tiliaceae	Shrub	VC
131	<i>Coriandrum sativum</i> L.	Dhania	Apiaceae	Herb	C
132	<i>Cosmos caudatus</i> Cav.	Cosmos	Asteraceae	Herb	C
133	<i>Couroupita guianensis</i> Aubl.	Nagliggom	Lecythidaceae	Tree	VS
134	<i>Crescentia cujette</i> L.	Bleibel, duggugi	Bignoniaceae	Tree	VS
135	<i>Croton bonplandianum</i> Bail.	Croton	Euphorbiaceae	Herb	C
136	<i>Cucumis melo</i> L.	Bangi	Cucurbitaceae	Climber	C
137	<i>Cucumis sativus</i> L.	Sasha	Cucurbitaceae	Climber	C
138	<i>Cucumis callosus</i> Cogn.	Bangumak	Cucurbitaceae	Climber	C
139	<i>Cucurbita maxima</i> Duch.	Mistikumra	Cucurbitaceae	Climber	C
140	<i>Cucurbita pepo</i> DC.	Mistikumra	Cucurbitaceae	Climber	C
141	<i>Cucurbita moschata</i> Duch.	Mistikumra	Cucurbitaceae	Climber	C
142	<i>Costus speciosus</i> Sm.	Kushtha	Costaceae	Herb	C
143	<i>Curcuma longa</i> L.	Holud	Zingiberaceae	Herb	C
144	<i>Curcuma amada</i> Roxb.	Amada	Zingiberaceae	Herb	ES
145	<i>Curcuma zooderia</i> Rosc.	Shathi	Zingiberaceae	Herb	C
146	<i>Cuscuta reflexa</i> Roxb.	Sarnalata	Cuscutaceae	Climber	C
147	<i>Cymbopogon citratus</i> (DC.) Stapf.	Lemongrass	Poaceae	Herb	C
148	<i>Cynodon dactylon</i> Pers.	Durbaghas	Poaceae	Herb	VC
149	<i>Cyperus rotundus</i> L.	Muthaghas	Cyperaceae	Herb	VC
150	<i>Dahlia hybrida</i> L.	Dahlia	Asteraceae	Herb	C
151	<i>Dalbergia sissoo</i> Roxb.	Sissoo	Fabaceae	Tree	VC
152	<i>Datura metel</i> L.	Dhutra	Solanaceae	Shrub	C
153	<i>Daucus carota</i> L.	Gajor	Apiaceae	Herb	C
154	<i>Delonix regia</i> (Boj.) Raf.	Krisnachura	Caesalpinaceae	Tree	C
155	<i>Derris indica</i> (Lamk.) Benth.	Karanja	Fabaceae	Tree	C
156	<i>Desmodium triflorum</i> (L.) DC.	Kodaliya	Fabaceae	Herb	C
157	<i>Digera muricata</i> (L.) Mart.	Digera	Amaranthaceae	Herb	VS
158	<i>Dillenia indica</i> L.	Chalta	Dilleniaceae	Tree	C
159	<i>Dioscoria alata</i> L.	Chuprialu	Dioscoriaceae	Climber	VS
160	<i>Diplocyclos palmatus</i> (L.) Jeffrey	Mala	Cucurbitaceae	Climber	VS
161	<i>Dyospyros perigrina</i> (Gaertn.) Gur.	Gab	Ebenaceae	Tree	C
162	<i>Dyospyros philippensis</i> (Des.) Gam.	Bilatigab	Ebenaceae	Tree	C
163	<i>Diospyros montana</i> Roxb.	Tamal	Ebenaceae	Tree	VS
164	<i>Dracaena spicata</i> Roxb.	Dracaena	Agavaceae	Herb	C
165	<i>Duranta repens</i> L.	Katamehedi	Verbenaceae	Shrub	C
166	<i>Eclipta alba</i> (L.) Hassk.	Kalokeshi	Asteraceae	Herb	C
167	<i>Eichhornia crassipes</i> (Mart.) Sol.-Lau.	Kochuripana	Pontederiaceae	Herb	C
168	<i>Elaeocarpus robustus</i> Roxb.	Jalpai	Elaeocarpaceae	Tree	C
169	<i>Elusine indica</i> (L.) Gaertn	Malankuri	Poaceae	Herb	C
170	<i>Enhydra flactuans</i> Lour.	Helenchu	Asteraceae	Herb	VS
171	<i>Erythrina variegata</i> L.	Madar	Fabaceae	Tree	C
172	<i>Ethulia conyzoides</i> L.	Golphuli	Asteraceae	Herb	VS
173	<i>Eucalyptus citrodora</i> Hook.	Eucalyptus	Myrtaceae	Tree	C
174	<i>Eupatorium odoratum</i> L.	Germanlata	Asteraceae	Shrub	C
175	<i>Euphorbia hirta</i> L.	Dudhiya	Euphorbiaceae	Herb	VC
176	<i>Euphorbia pulcherrima</i> Willd.	Lalpata	Euphorbiaceae	Shrub	C
177	<i>Euphorbia thymifolia</i> Burm.f.	Dudhia	Euphorbiaceae	Herb	C
178	<i>Exacum pedunculatum</i> Roxb.	Kachuri	Gentianaceae	Herb	C
179	<i>Evolvulus numularius</i> L.	Bhuiokra	Convolvulaceae	Herb	VC
180	<i>Feronia limonia</i> (L.) Sw.	Kothbel	Rutaceae	Tree	C
181	<i>Ficus benghalensis</i> L.	Bot	Moraceae	Tree	VC
182	<i>Ficus elastica</i> Roxb.	Bharotiorubber	Moraceae	Tree	C
183	<i>Ficus hispida</i> L.f.	Kakdumur	Moraceae	Tree	C
184	<i>Ficus racemosa</i> L.	Jogadumur	Moraceae	Tree	C
185	<i>Ficus religiosa</i> L.	Pakur	Moraceae	Tree	C
186	<i>Flacourtia indica</i> (Burm. f.) Merr.	Bichuti	Flacourtiaceae	Shrub	C
187	<i>Fumaria indica</i> (Hassk.) Pugs.	Bassulpha	Fumariaceae	Herb	C
188	<i>Gardenia jasminoides</i> Ellis.	Gandharaj	Rubiaceae	Shrub	C
189	<i>Glinus oppositifolius</i> (L.) A.DC.	Gima	Molluginaceae	Herb	VS
190	<i>Gloriosa superba</i> L.	Ulatchandal	Liliaceae	Herb	ES
191	<i>Glycine max</i> (L.) Merr.	Soyabeen	Fabaceae	Shrub	C
192	<i>Glycosmis pentaphylla</i> (Retz.) A. DC.	Datmajan	Rutaceae	Shrub	C
193	<i>Gnaphalium pulvinatum</i> DC.	Barakamra	Asteraceae	Herb	VC
194	<i>Gnaphalium indicum</i> L.	Kamra	Asteraceae	Herb	VC
195	<i>Gossypium herbaceum</i> L.	Karpas	Malvaceae	Shrub	C
196	<i>Grangea maderaspatana</i> Poir.	Nemuti	Asteraceae	Herb	C
197	<i>Gymnopetalum cochinchinense</i> (Lour.) Kurj.	Kabuti	Cucurbitaceae	Climber	VS

198	<i>Helianthus annuus</i> L.	Surjamukhi	Asteraceae	Herb	VC
199	<i>Heliotropium indicum</i> L.	Hatisur	Boraginaceae	Herb	VC
200	<i>Heliconia rostrata</i> Ruiz & Pav.	Heliconia	Heliconiaceae	Herb	C
201	<i>Hemidesmus indicus</i> Br.	Anantamul	Asclepiadaceae	Climber	C
202	<i>Heriteira fomes</i> Buch-Ham.	Sundari	Sterculiaceae	Tree	VS
203	<i>Hibiscus esculentus</i> L.	Bhindi	Malvaceae	Herb	VC
204	<i>Hibiscus mutabilis</i> L.	Sthalpadma	Malvaceae	Shrub	C
205	<i>Hibiscus rosa-sinensis</i> L.	Jaba	Malvaceae	Shrub	VC
206	<i>Hygrophila auriculata</i> (K.Schum.) Heine	Talmakhna	Acanthaceae	Herb	C
207	<i>Hydrilla verticillata</i> (L. f.) Royle	Kureli	Hydrocharitaceae	Herb	C
207	<i>Ichnocarpus frutescens</i> (L.) R.Br.	Loilata	Apocynaceae	Climber	C
209	<i>Impatiens balsamina</i> L.	Dopati	Balsaminaceae	Herb	C
210	<i>Indigofera tinctoria</i> L.	Nil	Fabaceae	Shrub	VS
211	<i>Ipomoea aquatica</i> Forsk	Kalmi	Convolvulaceae	Climber	C
212	<i>Ipomoea batatas</i> L.	Mistialu	Convolvulaceae	Climber	C
213	<i>Ipomoea fistulosa</i> Mart. Ex Choisy	Dholkalmi	Convolvulaceae	Shrub	C
214	<i>Ixora coccinea</i> L.	Rangan	Rubiaceae	Shrub	C
215	<i>Jacaranda mimosifolia</i> D. Don.	Jacaranda	Bignoniaceae	Tree	VS
216	<i>Jasminum sambac</i> (L.) Ait.	Beli	Oleaceae	Shrub	C
217	<i>Jatropha curcas</i> L.	Jamalgota	Euphorbiaceae	Shrub	C
218	<i>Jatropha gossypifolia</i> L.	Lalverenda	Euphorbiaceae	Shrub	C
219	<i>Justicia gendarussa</i> L.	Jagthmadan	Acanthaceae	Shrub	VC
220	<i>Kalanchoe pinnata</i> (Lam.) Pers.	Pathorkuchi	Crassulaceae	Herb	C
221	<i>Lablab purpureus</i> (L.) Sweet.	Sim	Fabaceae	Climber	VC
222	<i>Lactuca sativa</i> L.	Lettuce	Asteraceae	Herb	C
223	<i>Lagenaria siceraria</i> (Mol.) Stan.	Lau	Cucurbitaceae	Climber	VC
224	<i>Lagerstroemia speciosa</i> (L.) Pers.	Jarul	Lythraceae	Tree	VC
225	<i>Lannea coromandelica</i> (Houtt.) Merr.	Jiga	Anacardiaceae	Tree	VS
226	<i>Lantana camara</i> L.	Lantana	Verbenaceae	Shrub	C
227	<i>Lathyrus sativus</i> L.	Kheshari	Fabaceae	Herb	C
228	<i>Launaea asplenifolia</i> Hk. f.	Tikdana	Asteraceae	Herb	C
229	<i>Lawsonia inermis</i> L.	Mehedi	Lythraceae	Shrub	C
230	<i>Leea macrophylla</i> Roxb.	Hastikalash	Leeaceae	Herb	VS
231	<i>Lemna perpusilla</i> Torr.	Khudipana	Lemnaceae	Herb	C
232	<i>Lens culinaris</i> Medik.	Masur	Fabaceae	Herb	C
233	<i>Leonurus sibiricus</i> L.	Roktodron	Lamiaceae	Shrub	C
234	<i>Leucas aspera</i> L.	Setodron	Lamiaceae	Herb	C
235	<i>Leucas cephalotes</i> (Roth.) Spreng.	Dandakolos	Lamiaceae	Herb	C
236	<i>Lippia nodiflora</i> (L.) Rich.	Bhuiokra	Verbenaceae	Herb	VC
237	<i>Lippia alba</i> L.	Borobhuiokra	Verbenaceae	Shrub	C
238	<i>Litchi chinensis</i> Sonn.	Lichu	Sapindaceae	Tree	VC
239	<i>Litsea monopetala</i> (Roxb.) Pers.	Pipulti	Lauraceae	Shrub	C
240	<i>Loranthus longifolius</i> Desr.	Bhanda	Loranthaceae	Herb	C
241	<i>Ludwigia adscendens</i> (L.) Hara.	Kesordam	Onagraceae	Herb	C
242	<i>Luffa acutangula</i> Roxb.	Jhinga	Cucurbitaceae	Climber	C
243	<i>Luffa cylindrica</i> (L.) Roem.	Dhundal	Cucurbitaceae	Climber	C
244	<i>Lycopersicon lycopersicum</i> (L.) Karst.	Tomato	Solanaceae	Herb	VC
245	<i>Madhuca indica</i> Gmel.	Mahua	Sapotaceae	Tree	C
246	<i>Magnolia grandiflora</i> L.	Udaypadma	Magnoliaceae	Tree	C
247	<i>Mangifera indica</i> L.	Am	Anacardiaceae	Tree	VC
248	<i>Manihot esculenta</i> Crantz.	Kasava	Euphorbiaceae	Shrub	C
249	<i>Manilkara achras</i> (Mill.) Per.	Sofeda	Sapotaceae	Tree	C
250	<i>Marselia quadrifoliata</i> L.	Sushnishak	Marsileaceae	Herb	C
251	<i>Melia sempervirens</i> (L.) All.	Ghoraneem	Meliaceae	Tree	C
252	<i>Melilotus alba</i> Lamk.	Sadamethi	Fabaceae	Herb	C
253	<i>Melothria maderaspatana</i> Cogn.	Agmukhi	Cucurbitaceae	Climber	VS
254	<i>Mentha arvensis</i> L.	Pudina	Lamiaceae	Herb	VS
255	<i>Mesua nagassarium</i> (Burm.f.) Kost.	Nageswar	Clusiaceae	Tree	C
256	<i>Michelia champaca</i> L.	Champa	Magnoliaceae	Tree	C
257	<i>Mikania cordata</i> (Burm.f.) Roxb.	Asamlata	Asteraceae	Climber	C
258	<i>Mimosa pudica</i> L.	Lajjabati	Mimosaceae	Climber	C
259	<i>Mimuspos elengi</i> L.	Bokul	Sapotaceae	Tree	C
260	<i>Mirabilis jalapa</i> L.	Sandhamoni	Nyctaginaceae	Herb	C
261	<i>Mollugo pentaphylla</i> L.	Khetpapra	Molluginaceae	Herb	C
262	<i>Momordica charantea</i> L.	Korola	Cucurbitaceae	Climber	VC
263	<i>Momordica cochinchinensis</i> Spreng	Kakrol	Cucurbitaceae	Climber	C
264	<i>Momordica dioica</i> Roxb.	Ghekorola	Cucurbitaceae	Climber	VS
265	<i>Monochoria hastata</i> (L.) Solms.	Baranukha	Pontederiaceae	Herb	C
266	<i>Monochoria vaginalis</i> (Burm. f.) Presl.	Sarkachu	Pontederiaceae	Herb	C
267	<i>Moringa oleifera</i> Lamk.	Sajna	Moringaceae	Tree	VC
268	<i>Morus indica</i> L.	Tut	Moraceae	Shrub	C
269	<i>Murraya koenigii</i> Spreng.	Curryleaf	Rutaceae	Tree	VS
270	<i>Murraya paniculata</i> (L.) Jacq.	Kamini	Rutaceae	Shrub	VC
271	<i>Musa sapientum</i> L.	Kala	Musaceae	Shrub	VC

272	<i>Mussaenda erythrophylla</i> Schum. & Thon.	Mucenda	Rubiaceae	Shrub	VC
273	<i>Najas graminea</i> Del.	Najas	Najadaceae	Herb	C
274	<i>Nerium indicum</i> L.	Karabi	Apocynaceae	Shrub	C
275	<i>Nicotiana plumbaginifolia</i> Viv.	Bantamak	Solanaceae	Herb	VC
276	<i>Nicotiana tabacum</i> L.	Tamak	Solanaceae	Herb	C
277	<i>Nyctanthes arbortristis</i> L.	Sheuli	Verbenaceae	Shrub	C
278	<i>Nymphaea nouchali</i> Burm.f.	Shapla	Nymphaeaceae	Herb	C
279	<i>Nymphoides indicum</i> (L.)Kuntz.	Panchuli	Menyanthaceae	Herb	C
280	<i>Ocimum basilicum</i> L.	Babuitulsi	Lamiaceae	Shrub	C
281	<i>Ocimum sanctum</i> L.	Tulsi	Lamiaceae	Shrub	C
282	<i>Oplismenus compositus</i> (L.) P. Baeuv.	Gohur	Poaceae	Herb	VC
283	<i>Oryza sativa</i> L.	Dhan	Poaceae	Herb	VC
284	<i>Ottelia alismoides</i> (L.)Pers.	Panikala	Hydrocharitaceae	Herb	C
285	<i>Oxalis corniculata</i> L.	Amrul	Oxalidaceae	Herb	VC
286	<i>Oxalis rubra</i> L.	Boroamrul	Oxalidaceae	Herb	C
287	<i>Paederia foetida</i> L.	Gandhavaduli	Rubiaceae	Shrub	VS
288	<i>Panicum repens</i> L.	Dhanighas	Poaceae	Herb	C
289	<i>Parthenium hysterophorus</i> L.	Gandiboti	Asteraceae	Shrub	VC
290	<i>Passiflora foetida</i> L.	Jhumkolata	Passifloraceae	Climber	VS
291	<i>Peltophorum pterocarpum</i> (DC.) Baker ex Heyne	Holudkrisnachura	Caesalpiniaceae	Tree	C
292	<i>Peperomia pellucida</i> Kunth.	Peperomia	Piperaceae	Herb	C
293	<i>Petunia hybrida</i> L.	Petunia	Solanaceae	Herb	C
294	<i>Phaseolus mungo</i> L.	Mashkalai	Fabaceae	Herb	C
295	<i>Phoenix sylvestris</i> (L.) Roxb.	Khejur	Arecaceae	Tree	VC
296	<i>Phyllanthus emblica</i> L.	Amloki	Euphorbiaceae	Tree	C
297	<i>Phyllanthus niruri</i> L.	Bhuiamla	Euphorbiaceae	Herb	C
298	<i>Phyllanthus reticulatus</i> Poir.	Chitki	Euphorbiaceae	Shrub	C
299	<i>Phyllanthus urinaria</i> L.	Amla	Euphorbiaceae	Herb	C
300	<i>Physalis minima</i> L.	Kapalphutki	Solanaceae	Herb	C
301	<i>Piper betel</i> L.	Pan	Piperaceae	Climber	C
302	<i>Piper nigrum</i> L.	Golmorich	Piperaceae	Climber	VS
303	<i>Pistia strateotes</i> L.	Topapana	Araceae	Herb	C
304	<i>Pisum sativum</i> L.	Motor	Fabaceae	Herb	C
305	<i>Pithecellobium dulce</i> (Roxb.) Benth	Jilapiphol	Mimosaceae	Tree	C
306	<i>Plumeria acutifolia</i> L.	Kathgolap	Apocynaceae	Tree	C
307	<i>Plumeria rubra</i> L.	Lalkathgolap	Apocynaceae	Tree	C
308	<i>Polyalthia longifolia</i> (Sonn.) Thw.	Raganigandha	Annonaceae	Herb	C
309	<i>Polygonum barbatum</i> L.	Panimorich	Polygonaceae	Herb	C
310	<i>Polygonum hydropiper</i> L.	Panimorich	Polygonaceae	Herb	C
311	<i>Polygonum orientale</i> L.	Boropanimorich	Polygonaceae	Shrub	C
312	<i>Polygonum plebejum</i> Br.	Panimorich	Polygonaceae	Herb	C
313	<i>Portulaca oleracea</i> L.	Baranunia	Portulacaceae	Herb	C
314	<i>Portulaca quadrifida</i> L.	Chotonunia	Portulacaceae	Herb	C
315	<i>Potamogeton mucronatus</i> Presl.		Potamogetonaceae	Herb	C
316	<i>Psidium guajava</i> (L.) Bat.	Piyara	Myrtaceae	Tree	VC
317	<i>Psoralea corylifolia</i> L.	Buchikdana	Fabaceae	Shrub	C
318	<i>Punica granatum</i> L.	Dalim	Punicaceae	Tree	C
319	<i>Quisqualis indica</i> L.	Madhabilata	Combretaceae	Shrub	C
320	<i>Ranunculus scleratus</i> L.	Podika	Ranunculaceae	Herb	C
321	<i>Raphanus sativus</i> L.	Mula	Brassicaceae	Herb	VC
322	<i>Rauvolfia serpentina</i> Benth.	Sarpagandha	Apocynaceae	Herb	VS
323	<i>Rosa damascena</i> Mill.	Kanta golap	Rosaceae	Shrub	VC
324	<i>Ravenala madagascariensis</i> Gmel.	Panthapadap	Strelitziaceae	Shrub	C
325	<i>Ricinus communis</i> L.	Bherenda	Euphorbiaceae	Shrub	C
326	<i>Rosa centifolia</i> L.	Golap	Rosaceae	Shrub	VC
327	<i>Ruellia tuberosa</i> L.	Chatpotey	Acanthaceae	Herb	C
328	<i>Rumex maritimus</i> L.	Banpalong	Polygonaceae	Herb	VC
329	<i>Saccharum officinarum</i> L.	Akh	Poaceae	Shrub	VC
330	<i>Saccharum spontaneum</i> L.	Kash	Poaceae	Shrub	C
331	<i>Sagittaria sagitifolia</i> L.	Muyamuya	Alismataceae	Herb	C
332	<i>Salvia plebeja</i> Br.	Bhuitulsi	Lamiaceae	Herb	C
333	<i>Samanea saman</i> (Jacq.) Merr.	Rain tree	Fabaceae	Tree	C
334	<i>Saraca indica</i> L.	Asoke	Caesalpiniaceae	Tree	C
335	<i>Scirpus grossus</i> L.	Kesur	Cyperaceae	Climber	C
336	<i>Scirpus articulatus</i> (L.) Palla.	Chechur	Cyperaceae	Herb	C
337	<i>Scoparia dulcis</i> L.	Bandhunay	Scrophulariaceae	Herb	VC
338	<i>Sesamum indicum</i> L.	Til	Pedaliaceae	Herb	VC
339	<i>Sesbania canabina</i> Pers.	Dhanchi	Fabaceae	Shrub	C
340	<i>Sesbania grandiflora</i> (L.) Pers.	Bakphul	Fabaceae	Tree	C
341	<i>Sida acuta</i> Burm.	Berela	Malvaceae	Herb	C
342	<i>Sida cordata</i> (Burm.f.) Borss.	Pitberela	Malvaceae	Herb	C
343	<i>Smilax zeylanica</i> L.	Kumarilata	Smilacaceae	Climber	VS
344	<i>Solanum filisifolium</i> Ort.	Titbegun	Solanaceae	Shrub	C

345	<i>Solanum melongena</i> Wall.	Begun	Solanaceae	Shrub	VC
346	<i>Solanum nigrum</i> L.	Kakmachi	Solanaceae	Herb	VC
347	<i>Solanum surattense</i> Burm.f.	Kantakini	Solanaceae	Herb	C
348	<i>Solanum torvum</i> Sw.	Gothbegun	Solanaceae	Shrub	C
349	<i>Solanum tuberosum</i> L.	Alu	Solanaceae	Herb	VC
350	<i>Sonchus arvensis</i> L.	Banpalang	Asteraceae	Herb	C
351	<i>Sonchus asper</i> L.	Banpalong	Asteraceae	Herb	C
352	<i>Spilanthes acmella</i> L.	Marhatitiga	Asteraceae	Herb	C
353	<i>Spirodela polyrhiza</i> (L.) Schleid.	Spirodela	Lemnaceae	Herb	C
354	<i>Spondias dulcis</i> Sol. ex Park.	Bilatiamra	Anacardiaceae	Tree	C
355	<i>Spondias pinnata</i> (L.f.) Kurz.	Deshiamra	Anacardiaceae	Tree	VS
356	<i>Stephania japonica</i> (Thunb.) Miers.	Aknadi	Menispermaceae	Climber	C
357	<i>Streblus asper</i> Lour.	Shaora	Moraceae	Tree	VS
358	<i>Swietenia macrophylla</i> King.	Boromehagoni	Meliaceae	Tree	VC
359	<i>Swietenia mahagoni</i> (L.) Jacq.	Mahagoni	Meliaceae	Tree	C
360	<i>Synedrella nodiflora</i> (L.) Gaertn.	Marhatitiga	Asteraceae	Herb	C
361	<i>Syzygium cumini</i> (L.) Skeel.	Jam	Myrtaceae	Tree	VC
362	<i>Syzygium fruticosum</i> (Roxb.) DC.	Khudijam	Myrtaceae	Tree	C
363	<i>Syzygium jambos</i> (L.) Alston.	Golapjam	Myrtaceae	Tree	VS
364	<i>Syzygium samarangense</i> (Bl.) Merr. & Perry.	Jamrul	Myrtaceae	Tree	C
365	<i>Tabebuia rosea</i> (Bertol.) DC.	Tabebuia	Bignoniaceae	Tree	ES
366	<i>Tagetes erecta</i> L.	Gadaphul	Asteraceae	Herb	C
367	<i>Tagetes patula</i> L.	Genda	Asteraceae	Herb	VC
368	<i>Thladiantha cordifolia</i> (Bl.) Cogn.		Cucurbitaceae	Climber	VS
369	<i>Tamarindus indica</i> L.	Tentul	Caesalpinaceae	Tree	C
370	<i>Tecoma stans</i> (L.) H.B.&K.	Sonapati	Bignoniaceae	Tree	VS
371	<i>Tectona grandis</i> L.f.	Segun	Verbenaceae	Tree	C
372	<i>Terminalia arjuna</i> (Roxb.) Wt. & Arn.	Arjun	Combretaceae	Tree	C
373	<i>Terminalia belerica</i> Roxb.	Bohera	Combretaceae	Tree	VS
374	<i>Terminalia catappa</i> L.	Kathbadam	Combretaceae	Tree	C
375	<i>Terminalia chebula</i> (Gaertn.) Retz.	Haritaki	Combretaceae	Tree	C
376	<i>Thespesia populnea</i> (L.) Sol. ex Corr.	Parashpipul	Malvaceae	Tree	C
377	<i>Thevetia peruviana</i> (Pers.) K. Schum.	Haldekorobi	Apocynaceae	Tree	C
378	<i>Thunbergia grandiflora</i> Roxb.	Nillata	Acanthaceae	Climber	VS
379	<i>Tinospora cordifolia</i> (Willd.) Hook.f.	Gulancha	Menispermaceae	Climber	C
380	<i>Toona ciliata</i> J.Roem.	Toon	Meliaceae	Tree	VS
381	<i>Tragia involucrata</i> L.	Bichuti	Euphorbiaceae	Herb	VS
382	<i>Trapa bispinosa</i> Roxb.	Paniphul	Trapaceae	Herb	C
383	<i>Trema orientalis</i> (L.) Bl.	Jibon	Ulmaceae	Tree	VS
384	<i>Trewia polycarpa</i> Benth.	Batul	Euphorbiaceae	Tree	C
385	<i>Trichosanthes anguina</i> L.	Chichinga	Cucurbitaceae	Climber	C
386	<i>Trichosanthes bracteata</i> (Lamk.) Voigt.	Makal	Cucurbitaceae	Climber	VS
387	<i>Trichosanthes cordata</i> Roxb.	Bhuikakra	Cucurbitaceae	Climber	C
388	<i>Trichosanthes dioica</i> Roxb.	Potol	Cucurbitaceae	Climber	C
389	<i>Trichosanthes cucumerina</i> L.	Banchichinga	Cucurbitaceae	Climber	C
390	<i>Tridax procumbens</i> L.	Tridhara	Asteraceae	Herb	VC
391	<i>Triticum aestivum</i> L.	Gom	Poaceae	Herb	VC
392	<i>Typha elephantiana</i> Roxb.	Hogla	Typhaceae	Shrub	VS
393	<i>Typhonium trilobatum</i> (L.) Schott.	Ghetkachu	Araceae	Herb	C
394	<i>Uraria picta</i> Desv.	Sankarjata	Fabaceae	Herb	C
395	<i>Urena lobata</i> L.	Banokra	Fabaceae	Herb	C
396	<i>Utricularia aurea</i> Lour.	Jhangi	Lentibulariaceae	Herb	VS
397	<i>Vallisneria spiralis</i> L.	Potseola	Hydrocharitaceae	Herb	VS
398	<i>Vanda roxburghii</i> R. Br.	Rasna	Orchidaceae	Herb	VS
399	<i>Vernonia patula</i> (Dryand.) Merril.	Kuksim	Asteraceae	Herb	C
400	<i>Vernonia cineria</i> (Roxb.) Less.	Kuksim	Asteraceae	Herb	C
401	<i>Vetivaria zizanioides</i> (L.) Nash.	Benna	Poaceae	Herb	C
402	<i>Vicia faba</i> L.	Barasim	Fabaceae	Herb	C
403	<i>Vicia hirsuta</i> Coch.	Masurchana	Fabaceae	Herb	C
404	<i>Vicia sativa</i> L.	Ankari	Fabaceae	Herb	C
405	<i>Vigna mungo</i> (L.) Hepper	Mashkalai	Fabaceae	Herb	C
406	<i>Vigna radiata</i> (L.) Wilezck.	Moog	Fabaceae	Herb	C
407	<i>Vigna sinensis</i> Endl. Ex Hassk.	Borboti	Fabaceae	Climber	C
408	<i>Vitex negundo</i> L.	Nishinda	Verbenaceae	Shrub	C
409	<i>Vitis quadrangularis</i> Wall.	Harjora	Vitaceae	Climber	VS
410	<i>Vitis trifolia</i> (L.) Don.	Banangur	Vitaceae	Climber	C
411	<i>Vitis vinifera</i> L.	Angur	Vitaceae	Climber	VS
412	<i>Weberia campaniflora</i> Hook.	Kakra	Rutaceae	Tree	VS
413	<i>Wedelia chinensis</i> (Osb.) Merr.	Mohavringaraj	Asteraceae	Herb	C
414	<i>Wedelia trilobata</i> (L.) Hitchc.	Mohavringaraj	Asteraceae	Herb	VC
415	<i>Withania somnifera</i> Dunal.	Ashagandha	Solanaceae	Shrub	ES
416	<i>Wolffia arrhiza</i> (L.) Horkel.	Guripana	Lemnaceae	Herb	C
417	<i>Xanthium indicum</i> Koinig.	Ghagra	Asteraceae	Herb	VC
418	<i>Xylia dolabiformis</i> Benth.	Lohakat	Mimosaceae	Tree	ES

419	<i>Youngia japonica</i> (L.) DC.	Oochunti	Asteraceae	Herb	VC
420	<i>Zea mays</i> L.	Bhutta	Poaceae	Shrub	VC
421	<i>Zeuxine sulcata</i> Lindl.	Swethuli	Orchidaceae	Herb	C
422	<i>Zingiber officinale</i> Rosc.	Ada	Zingiberaceae	Herb	C
423	<i>Zinnia elegans</i> L.	Zinnia	Asteraceae	Herb	C
424	<i>Zizyphus mauritiana</i> Lamk.	Kul, Boro	Rhamnaceae	Tree	VC
425	<i>Zizyphus oenoplea</i> (L.) Mill.	Banboroi	Rhamnaceae	Tree	ES

VC=Very common, C=Common, VS=Vulnerable species, ES=Endangered species

4. Conclusion

The present article focuses on an inventory of angiospermic flora of Rajshahi district. In this preliminary assessment, a total of 425 angiosperm species under 321 genera and 108 families were recorded. Habit analysis shows that herbs, shrubs, climbers and trees are represented by 186, 74, 52 and 113 species, respectively. Out of the total number of species 281 were common, 76 were very common, 57 were vulnerable and 11 were endangered species in the study area.

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