



ISSN NO. 2320-5407

Journal homepage: <http://www.journalijar.com>

INTERNATIONAL JOURNAL
OF ADVANCED RESEARCH

RESEARCH ARTICLE

Herbaceous Plant Species in and around Rajshahi Metropolitan City, Bangladesh

A.H.M. Mahbubur Rahman*, Zannatul Ferdows, Saika Kabir Nitu, A.K.M. Rafiul Islam

Plant Taxonomy Laboratory, Department of Botany, University of Rajshahi, Rajshahi-6205, Bangladesh

Manuscript Info

Manuscript History:

Received: 18 March 2015

Final Accepted: 22 April 2015

Published Online: May 2015

Key words:

Assessment, Herbaceous
Angiosperm, Rajshahi, Bangladesh

*Corresponding Author

A.H.M. Mahbubur
Rahman

Abstract

An extensive floristic survey on angiosperms (herbaceous plant species) and collections have been made in and around Rajshahi metropolitan city. All collected specimens were studied, identified and have been preserved in the Herbarium of Rajshahi University (HRU). A total of 181 species under 148 genera belonging to 58 families were recorded. Of these, Magnoliopsida (Dicots) was represented by 148 species under 118 genera and 42 families while Liliopsida (Monocots) was represented by 33 species under 30 genera and 16 families. Asteraceae were the largest family in Magnoliopsida represented by 35 species, and Poaceae were the largest family in Liliopsida represented by 6 species. Updated nomenclature, local name, family, habit, habitat and representative specimen have been presented under each taxon.

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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%) (BBS, 2009).

The plants of Rajshahi district exhibit diverse habitats, such as wetland, scrub jungles, fallow lands, Padma Char 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. (1994), Ara et al (2011, 2013), Rahman and Hassan (1995), Rahman et al (2006), Rahman et al (2007a, 2007b, 2007c) Rahman et al (2008a, 2008b), Rahman et al (2011 2013), Rahman and Akter (2013), Rahman and Khanom (2013), Rahman (2013a, 2013b, 2013c, 2013d, 2013e, 2013f, 2013g), Rahman (2014), Rahman and Debnath (2014a, 2014b), Rahman and Keya (2014a, 2014b), Rahman and Gulshana (2014), Rahman and Rahman (2014), Rahman and Rogonigondha (2014), Rahman et al (2014a, 2014b, 2014c), Uddin and Rahman (1999), Khan and Huq (2001), Uddin and Hassan (2010), Tutul et al. (2009, 2010), Rahman et al. (2010, 2012), Uddin et al (2014) and Uddin and Hassan (2012). The present study was made an inventory of the herbaceous angiosperm plant species in and around Rajshahi Metropolitan City, Bangladesh.

Materials and Methods

Herbaceous angiosperm plant species growing throughout in and around Rajshahi metropolitan city was carried out from January 2011 to December 2012. A total of 181 plant species under 148 genera and 58 families were collected and the specimens were identified at Rajshahi University Herbarium (RUH). In some cases, standard literature, such as Hooker (1872-1888), Prain (1903), Kirtikar and Basu (1987) were consulted for identification of the species. For

the current name and up to date nomenclature Huq (1986) and Pasha and Uddin (2013) were also consulted. The collected specimens were mounted and deposited in RUH for future reference. The families have been arranged according to Cronquist (1981). The genera and species are arranged in an alphabetical order. For each species, the nomenclature has been brought updated and the local name, habit, habitat and one representative specimen have been mentioned.

Taxonomic Enumeration

A total of 181 species under 148 genera belonging to 58 families were recorded. Of these, Magnoliopsida (Dicots) was represented by 148 species under 118 genera and 42 families while Liliopsida (Monocots) was represented by 33 species under 30 genera and 16 families. Asteraceae were the largest family in Magnoliopsida represented by 35 species, and Poaceae were the largest family in Liliopsida represented by 6 species. Distribution of angiosperm species in the families shows variation. The family Asteraceae is represented by 35 species, Amaranthaceae is represented by 12 species, Fabaceae is represented by 11 species, Acanthaceae is represented by 10 species. Each of Euphorbiaceae, Lamiaceae, Solanaceae and Poaceae is represented by 6 species. A single species in each was recorded by 29 families while two to five species in each was recorded by 21 families.

MAGNOLIOPSIDA (DICOTS)

1. Piperaceae

Peperomia pellucida (L.) Kunth., Nov. Gen. et sp. 1: 64 (1815). *Piper pellucidum* L. Sp. Pl. 1: 30 (1753). Local name: *Peperomea*.

A succulent, slender annual herb. Moist and shady places. *Representative specimen*: Sapura, 18. 06. 2012, Zannatul Ferdows 327 (RUH).

2. Aristolochiaceae

Aristolochia indica L., Sp. Pl. 2: 960 (1753). Local name: *Isharmul*.

A perennial, climbing herb. Roadsides, jungles, gardens and fallow lands. *Representative specimen*: Sapura, 18. 06. 2012, Zannatul Ferdows 336 (RUH).

3. Nymphaeaceae

Nymphaea nouchali Burm f., Fl. Ind.: 120 (1768). Local name: *Sapla*.

An annual aquatic herb. Lakes and ponds. *Representative specimen*: Motihar, 23. 07. 2011, Zannatul Ferdows 02 (RUH).

4. Ranunculaceae

Ranunculus sceleratus L., Sp. Pl. 1: 551 (1753). Local name: *Potika*.

An annual, erect, glabrous herb. Common in roadsides and waste places. *Representative specimen*: Paba, 15. 03. 2011, Zannatul Ferdows 209 (RUH).

5. Menispermaceae

Stephania japonica (Thunb.) Miers., Ann. Mag. Nat. Hist. Ser. 3, 18: 14 (1866). *Menispermum japonicum* Thunb. (1784). Local name: *Akarnandi*.

A climbing, perennial herb. Common in roadsides and waste places. *Representative specimen*: Naohata, 15. 03. 2011, Zannatul Ferdows 212 (RUH).

Tinospora cordifolia (Willd.) Hook. f. & Thomas., Fl. Ind. 1: 184 (1855). *Menispermum cordifolium* Willd., Sp. Ed. 4.4: 826 (1806). Local name: *Gulantha*.

A climbing, perennial herb. Common in roadsides and waste places. *Representative specimen*: Sapura, 18. 06. 2012, Zannatul Ferdows 329 (RUH).

6. Papaveraceae

Argemone mexicana L., Sp. Pl. 1: 508 (1753). Local name: *Sialkanta*.

An annual or perennial herb. Common in roadsides and waste places. *Representative specimen*: Motihar, 23. 07. 2011, Zannatul Ferdows 276 (RUH).

7. Fumariaceae

Fumaria officinalis L., Sp. Pl. 2: 700 (1753). Local name: *Ban-salpa*.

An annual, diffuse herb. Common in roadsides, crop fields and waste places. *Representative specimen*: Motihar, 23. 07. 2011, Zannatul Ferdows 279 (RUH).

8. Urticaceae

Pouzolzia indica (L.) Bennett & R. Br., in J. J. Bennett et al., Pl. Jav. Rar.: 67 (1838). *Parietaria zeylanica* L., Sp. Pl. 2: 1052 (1753). Local name: *Pouzolzia*.

A perennial herb. Wet places and roadsides. *Representative specimen*: Sapura, 18. 06. 2012, Zannatul Ferdows 325 (RUH).

9. Nyctaginaceae

Boerhaavia repens L., Sp. Pl. 1: 3 (1753). Local name: *Punarnava*.

Erect or diffuse herb. In waste places and roadsides. *Representative specimen*: Katakali, 13. 01. 2011, Zannatul Ferdows 12 (RUH).

10. Chenopodiaceae

Chenopodium album L., Sp. Pl. 1: 219 (1753). Local name: *Batuasak*.

An erect, strongly aromatic, puberulous and glandular herb. Common in crop fields. *Representative specimen*: Katakali, 13. 01. 2011, Zannatul Ferdows 20 (RUH).

Chenopodium ambrosioides L., Sp. Pl. 1: 219 (1753). Local name: *Banbatua*.

An annual herb. Wet places, crop fields, a long irrigated ditches and roadsides. *Representative specimen*: Naohata, 15. 03. 2011, Zannatul Ferdows 218 (RUH).

11. Amaranthaceae

Achyranthes aspera L., Sp. Pl. 204 (1753). Local name: *Apang*.

An erect, perennial herb. Sunny open places, roadsides and waste places. *Representative specimen*: Naohata, 15.03. 2011, Zannatul Ferdows 228 (RUH).

Aerva sanguinolenta (L.) Blume, Bijd.: 547 (1825). *Achyranthes sanguinolenta* L. (1763). Local name: *Chaya*.

An erect or suberect or perennial herb. Waste places, roadsides and scrup places. *Representative specimen*: Meherchandi, 19.02. 2011, Zannatul Ferdows 163 (RUH).

Alternanthera sessilis (L.) R. Brown ex Candolle, Cat. Pl. Hort. Monsp.: 77 (1813). *Gomphrena sessilis* L., Sp. Pl. 1: 225 (1753). Local name: *Chanchi*.

Usually a much branched, decumbent or prostrate herb. Wet paddy fields and lowlands. *Representative specimen*: Motihar, 21.01. 2011, Zannatul Ferdows 128 (RUH).

Alternanthera philoxeroides (Mart.) Griseb. Abh. Konigl. Ges. Wiss. Gottingen 24: 36 (1879). Local name: *Malancha shak*.

A perennial, polymorphic herb. Slow moving shallow water, ditches and wet soil. *Representative specimen*: Naohata, 15. 03. 2011, Zannatul Ferdows 227 (RUH).

Amaranthus spinosus L., Sp. Pl. 991 (1753). Local name: *Kantanotey*.

An erect, much branched glabrous herb. Waste land, roadsides, fields and gardens. *Representative specimen*: Meherchandi, 19.02. 2011, Zannatul Ferdows 162 (RUH).

Amaranthus gangeticus L., Sys. Nat. ed. 10, 2: 1268 (1759). Local name: *Datashak*.

An annual, erect herb. Dry grassy places and roadsides. *Representative specimen*: Motihar, 23. 07. 2011, Zannatul Ferdows 286 (RUH).

Amaranthus lividus L., Sp. Pl. ed. 1: 990 (1753). Local name: *Goburanotey*.

An annual, prostrate to suberect herb. Roadsides, waste lands. *Representative specimen*: Sapura, 18.10. 2011, Zannatul Ferdows 337 (RUH).

Amaranthus viridis L., Sp. Pl. ed. 2, 1405 (1763). Local name: *Shaknotey*.

An erect much branched glabrous herb. Roadsides, waste lands. *Representative specimen*: Motihar, 21.01. 2011, Zannatul Ferdows 127 (RUH).

Amaranthus tricolor L., Sp. Pl. 2: 989 (1753). *Amaranthus gangeticus* L. (1759). Local name: *Lalshak*.

An annual, ascending or erect herb. Dry grassy places and roadsides. *Representative specimen*: Shampur, 13. 01. 2011, Zannatul Ferdows 28 (RUH).

Celosia criatata L., Sp. Pl. 1: 205 (1753). Local name: *Moragphul*.

An erect, much branched, annual herb. Gardens. *Representative specimen*: Naohata, 15. 03. 2011, Zannatul Ferdows 226 (RUH).

Cyathula prostrata (L.) Blume, Bijdr. Fl. Ned. Ind.: 549 (1826). *Achyranthes prostrata* L., Sp. Pl. ed. 2, 1: 296 (1762). Local name: *Boroapang*.

A slender, annual herb. Roadsides and dry grassy places. *Representative specimen*: Meherchandi, 19. 02. 2011, Zannatul Ferdows 161 (RUH).

Digera muricata (L.) Mart. in Nov. Act. Acad. Caes. Leop.-Carol. 13(1): 285 (1826). Local name: *Digera*.

An annual, erect or ascending slender herb. Cultivated lands and along roadsides. *Representative specimen*: Motihar, 23. 07. 2011, Zannatul Ferdows 285 (RUH).

12. Portulacaceae

Portulaca oleracea L., Sp. Pl. 1: 445 (1753). Local name: *Nuniashak*.

An annual, glabrous herb. Waste places, roadsides and open fields. *Representative specimen*: Katakhal, 13. 01. 2011, Zannatul Ferdows 10 (RUH).

13. Basellaceae

Basella rubra L., Sp. Pl.: 272 (1753). *Basella alba* L., Sp. Pl.: 272 (1753). Local name: *Puishak*.

An annual climbing herb. Vegetable gardens. *Representative specimen*: Kajla, 14. 05. 2011, Zannatul Ferdows 90 (RUH).

14. Molluginaceae

Glinus oppositifolius (L.) A.DC., Bull. Herb. Boiss. 2(1): 522 (1901). *Mollugo oppositifolia* L., Sp. Pl.: 89 (1753). Local name: *Gimashak*.

An annual herb. Moist fallow and cultivated fields. *Representative specimen*: Binodpur, 14. 05. 2011, Zannatul Ferdows 88 (RUH).

Mollugo pentaphylla L., Sp. Pl.: 89 (1753). *Mollugo stricta* L., Sp. Pl. ed. 2: 131 (1762). Local name: *Khetpapra*.

An annual herb. In waste places and roadsides. *Representative specimen*: Boalia, 21. 01. 2011, Zannatul Ferdows 111 (RUH).

15. Polygonaceae

Persicaria barbata (L.) H. Hara., Hort. Bengal.: 29 (1814). *Polygonum barbatum* L., Sp. Pl. 1: 362 (1753). Local name: *Biskatali*.

An erect, perennial herb. Waste places, roadsides and open fields. *Representative specimen*: Binodpur, 14. 05. 2011, Zannatul Ferdows 86 (RUH).

Persicaria hydropiper (L.) Del., Fl. Auv. ed. 2: 518 (1800). *Polygonum hydropiper* L., Sp. Pl. 1: 361 (1753). Local name: *Biskatali*.

An annual, glabrous, rather robust, ascending branched erect herb. Waste places, roadsides and open fields. *Representative specimen*: Guripara, 12. 08. 2011, Zannatul Ferdows 353 (RUH).

Persicaria orientalis (L.) Spach., Hist. Nat. Veg. 10: 537 (1841). *Polygonum orientale* L., Sp. Pl. ed. 1: 362 (1753). Local name: *Borobiskatali*.

A tall perennial herb. Wet places, grassland. *Representative specimen*: Buthpara, 19. 02. 2011, Zannatul Ferdows 410 (RUH).

Polygonum plebejum R. Br., Prodr.: 420 (1966). Local name: *Raniphul*.

An annual, glabrous herb. Waste places, roadsides and open fields. *Representative specimen*: Boalia, 21. 01. 2011, Zannatul Ferdows 109 (RUH).

Rumex maritimus L., Sp. Pl. 1: 335 (1753). Local name: *Banpalong*.

An annual herb. Waste places, roadsides and open fields. *Representative specimen*: Boalia, 21. 01. 2011, Zannatul Ferdows 81 (RUH).

16. Tiliaceae

Corchorus olitorius L., Sp. Pl. 1: 529 (1753). Local name: *Banpat*.

Annual herb. Waste places, open fields and roadsides. *Representative specimen*: Motihar, 23. 07. 2011, Zannatul Ferdows 274 (RUH).

17. Malvaceae

Abutilon indicum (L.) Sweet., Hort. Brit. ed. 1: 54 (1826). *Sida indica* L., Cent. Pl. 2: 26 (1756). Local name: *Petari*.

A perennial herb. In waste places. *Representative specimen*: Binodpur, 14. 05. 2011, Zannatul Ferdows 95 (RUH).

Sida acuta Brum. f., Fl. Ind.: 147 (1768). Local name: *Kureta*.

An annual herb. Common in waste land, hedges and thickets. *Representative specimen*: Guripara, 12. 06. 2012, Zannatul Ferdows 354 (RUH).

Sida cordata (Burm. f.) Borss., Blumea 14: 182 (1966). *Melochia cordata* Burm. f. (1768). Local name: *Junka*.

An annual herb. Roadsides and open fields. *Representative specimen*: Motihar, 21. 01. 2011, Zannatul Ferdows 112 (RUH).

Urena lobata L., Sp. Pl.: 692 (1753). *Urena palmata* Roxb. (1832). Local name: *Banokra*.

An annual herb. Waste places, open fields and road sides. *Representative specimen*: Katakali, 13. 01. 2011, Zannatul Ferdows 13 (RUH).

18. Passifloraceae

Passiflora foetida L., Sp. Pl. 2: 959 (1753). Local name: *Jhumkolata*.

A climbing annual herb. Wet places and roadsides and grassland. *Representative specimen*: Buthpara, 19. 02. 2011, Zannatul Ferdows 408 (RUH).

19. Cucurbitaceae

Coccinia grandis (L.) Voigt., Hort. Suburb. Calcutt.: 59 (1845). Local name: *Telakucha*.

A climbing herb. Waste places, roadsides, bushes and open fields. *Representative specimen*: Buthpara, 19. 02. 2011, Zannatul Ferdows 153 (RUH).

Melothria maderaspatana (L.) Cogn., in DC., Mon. Phan. 3: 623 (1881). *Cucumis maderaspatanus* L., Sp. Pl. 2: 1012 (1753). Local name: *Mukia*.

A climbing annual herb. Wet places, roadsides and grassland. *Representative specimen*: Buthpara, 19. 02. 2011, Zannatul Ferdows 406 (RUH).

Cucumis callosus (Rottler) Cogn., C.A. Cogniaux & H. Harms in H.G.A. Engler, Pflanzenr. IV. 275 II (Helf 88): 129 (1924). Local name: *Banbangi*.

A climbing annual herb. Wet places, roadsides and grassland. *Representative specimen*: Buthpara, 19. 02. 2011, Zannatul Ferdows 404 (RUH).

20. Capparaceae

Cleome viscosa L., Sp. Pl. 2: 672 (1753). *Polanisia viscosa* DC., Prod. 1: 242 (1824). Local name: *Hurhuria*.

An erect annual herb. In fields and waste places. *Representative specimen*: Buthpara, 19. 02. 2011, Zannatul Ferdows 154 (RUH).

21. Primulaceae

Anagallis arvensis L., Sp. Pl. 1: 148 (1753). Local name: *Pakhichosha*.

An annual, erect or procumbent, glabrous, gland-dotted herb. Cultivated fields and fallow lands. *Representative specimen*: Katakali 13. 01. 2011, Zannatul Ferdows 11 (RUH).

Androsace saxifragaefolia Bunge., Enum. Pl. Chin. Bor.: 53 (1833). *Androsace maxima* L., Sp. Pl. 1: 141 (1753). Local name: *Satrojaki*.

An annual, glandular pubescent herb. In fallow lands and roadsides. *Representative specimen*: Paba, 15.03. 2011, Zannatul Ferdows 210 (RUH).

22. Crassulaceae

Kalanchoe pinnata (Lamk.) Pers., Syn. Pl. 1: 446 (1805). Local name: *Patharkuchi*.

An erect, perennial herb. Waste places, roadsides, gardens and open fields. *Representative specimen*: Motihar, 21. 01. 2011, Zannatul Ferdows 117 (RUH).

23. Mimosaceae

Mimosa pudica L., Sp. Pl. 1: 518 (1753). *Mimosa asperata* Blanco (1837). Local name: *Lajjaboti*.

A diffused herb. A common waste land weed. *Representative specimen*: Naohata, 15. 03. 2011, Zannatul Ferdows 215 (RUH).

24. Caesalpinaceae

Senna sophera (L.) Roxb., Fl. Ind. ed. 1832, 2: 347 (1832). *Cassia sophera* L., Sp. Pl. 1: 379 (1753). Local name: *Kolkashundha*.

A tall perennial herb. Waste places, roadsides and open fields. *Representative specimen*: Buthpara, 19. 02. 2011, Zannatul Ferdows 151 (RUH).

Senna tora (L.) Roxb., Fl. Ind. 2: 340 (1832). *Cassia tora* L., Sp. Pl.: 376 (1753). Local name: *Chakunda*. A perennial, glabrous herb. Fallow land and roadsides. *Representative specimen*: Motihar, 21. 01. 2011, Zannatul Ferdows 114 (RUH).

Senna occidentalis Roxb. Fl. Ind. 2: 343 (1832). Local name: *Borokalkeshundha*.

An annual herb. Fallow land and roadsides. *Representative specimen*: Katakali, 13. 01. 2011, Zannatul Ferdows 15 (RUH).

25. Fabaceae

Abrus precatorius L., Syst. Nat. ed. 12, 2: 472 (1767). *Glycine abrus* L. (1753). Local name: *Kuch*.

A perennial, dextrose climbing herb. Village thickets and Jungles. *Representative specimen*: Katakali, 13. 01. 2011, Zannatul Ferdows 17 (RUH).

Alysicarpus vaginalis (L.) DC. Prodr. 2: 353 (1825). Local name: *Pan-nata*.

A diffuse, annual herb. Wet grassland. *Representative specimen*: Buthpara, 19. 02. 2011, Zannatul Ferdows 152 (RUH).

Desmodium triflorum (L.) Candolle, Prodr. 2: 334 (1825). *Hedysarum triflorum* L., Sp. Pl. 2: 749 (1753). Local name: *Kalilata*.

A common prostrate herb. Common in several places especially grassy fields by roadsides. *Representative specimen*: Motihar, 21. 01. 2011, Zannatul Ferdows 115 (RUH).

Desmodium gangeticum (L.) DC. Int. Pl. Name Ind.: 283 (1991). *Hedysarum gangeticum* L., Sp. Pl., 2: 746 (1753). Local name: *Pan-nata*.

Perennial herb. Wet places and roadsides. *Representative specimen*: Buthpara, 19. 02. 2011, Zannatul Ferdows 402 (RUH).

Melilotus indica (L.) All., Fl. Pedem. 1: 308 (1785). *Trifolium indica* L., Sp. Pl. 2: 765 (1753). Local name: *Ban-methi*.

A prostrate or ascending annual herb. Field weed of the cold season. *Representative specimen*: Katakali, 13. 01. 2011, Zannatul Ferdows 16 (RUH).

Uria picta (Jacq.) Desv. ex DC., Prodr. 2: 324 (1825). Local name: *Lomranga*.

A diffuse, annual herb. Wet grassland. *Representative specimen*: Buthpara, 19. 02. 2011, Zannatul Ferdows 101 (RUH).

Vicia hirsuta (L.) Gray., Nat. Arr. Brit. Pl. 2: 614 (1822). Local name: *Anchi*.

Annual herb. Wet grassland and crop fields. *Representative specimen*: Buthpara, 19. 02. 2011, Zannatul Ferdows 201 (RUH).

Vicia sativa L., Sp. Pl. 2: 736 (1753). Local name: *Ankari*.

A small annual, prostrate or climbing herb. In cultivated land and waste places. *Representative specimen*: Naohata, 15. 03. 2011, Zannatul Ferdows 214 (RUH).

Vicia faba L., Sp. Pl. 2: 737 (1753). Local name: *Barasim*.

A small annual, prostrate or climbing herb. In cultivated land and waste places. *Representative specimen*: Naohata, 15. 03. 2011, Zannatul Ferdows 103 (RUH).

Dolichos trilobatus L., Mant. Pl. 1: 101 (1767). *Vigna trilobata* (L.) Verdc., Taxon. 17: 172 (1968). Local name: *Banborbati*.

An annual herb. Wet grassland. *Representative specimen*: Buthpara, 19. 02. 2011, Zannatul Ferdows 103 (RUH).

Sesbania bispinosa (Jacq.) W., Wight. Bull. Bur. Pl. Industr. U.S.D.A. 137: 15 (1909). Local name: *Dhunchi*.

A tall annual herb. Wet grassland. *Representative specimen*: Buthpara, 19. 02. 2011, Zannatul Ferdows 202 (RUH).

26. Lythraceae

Ammannia baccifera L., Sp. Pl. 1: 120 (1753). Local name: *Jangli-mehedi*.

An annual herb. Common in wet places. *Representative specimen*: Sapura, 18. 10. 2011, Zannatul Ferdows 330 (RUH).

27. Onagraceae

Ludwigia adscendens (L.) Hara., J. Jap. Bot. 28: 290 (1953). *Jussiaea repens* L., Sp. Pl.: 388 (1753). Local name: *Kesordam*.

An erect, branched, floating herb. Floating in stagnant water and in marshy crop fields. *Representative specimen*: Paba, 15. 03. 2011, Zannatul Ferdows 211 (RUH).

Ludwigia perennis L., Sp. Pl.: 119 (1753). *Jussiaea perennis* (L.) Brenan, Kew Bull. 8: 163 (1953). Local name: *Amorkura*.

An erect, floating herb. Floating in stagnant water and in marshy crop fields. *Representative specimen*: Motihar, 23. 07. 2011, Zannatul Ferdows 277 (RUH).

28. Euphorbiaceae

Acalypha indica L., Sp. Pl. 2: 1003 (1753). Local name: *Muktajhuri*.

A shortly tomentose, perennial herb. Waste places, roadsides and open fields. *Representative specimen*: Katakhal, 13. 01. 2011, Zannatul Ferdows 18 (RUH).

Chrozophora plicata (Vahl.) A. Juss. ex Spreng. Syst. Veg. 3: 850 (1826). Local name: *Khudi-okra*.

An annual, ascending herb. Roadsides and open fields. *Representative specimen*: Sapura, 18. 10. 2011, Zannatul Ferdows 332 (RUH).

Croton bonplandianum Baill., J. Agri. Tech. 7(3): 711 (2011). Local name: *Banjhal*.

An erect, branched, perennial herb. Waste places, roadsides and open fields. *Representative specimen*: Kajla, 14. 05. 2011, Zannatul Ferdows 94 (RUH).

Euphorbia hirta L., Sp. Pl. 1: 454 (1753). Local name: *Dudhiya*.

An annual herb. Waste places, roadsides and open fields. *Representative specimen*: Guripara, 12. 08. 2012, Zannatul Ferdows 355 (RUH).

Euphorbia thymifolia L., Sp. Pl. 1: 454 (1753). Local name: *Dudhiya*.

An annual herb. Waste places, roadsides and open fields. *Representative specimen*: Guripara, 17. 07. 2012, Zannatul Ferdows 418 (RUH).

Phyllanthus niruri L., Sp. Pl. 2: 981 (1753). Local name: *Bhui-amla*.

An annual, quite glabrous herb. Roadsides, grasslands and fallowlands. *Representative specimen*: Naohata, 15.03. 2011, Zannatul Ferdows 216 (RUH).

Phyllanthus urinaria L., Sp. Pl. 2: 982 (1753). Local name: *Hazar-mani*.

An annual, rarely perennial, glabrous herb. Roadsides and grasslands. *Representative specimen*: Motihar, 21. 01. 2011, Zannatul Ferdows 116 (RUH).

29. Vitaceae

Cayratia trifolia (L.) Domin., Biblioth. Bot. 89: 370 (1927). *Vitis trifolia* L., Sp. Pl. 1: 203 (1753). Local name: *Banangur*.

A climbing herb. Waste places, open fields and roadsides. *Representative specimen*: Katakhal, 13. 01. 2011, Zannatul Ferdows 07 (RUH).

Cissus quadrangularis L., Syst. Nat. ed. 12, 2: 124 (1767). Local name: *Hajora*.

Tendrill climbing herb. Gardens. *Representative specimen*: Paba, 15. 03. 2011, Zannatul Ferdows 206 (RUH).

30. Sapindaceae

Cardiospermum halicacabum L., Sp. Pl.: 366 (1753). *Cardiospermum corundum* L., Sp. Pl. ed. 2: 526 (1762). Local name: *Sibjhul*, *Nayaphutki*.

Annual or perennial herb. In waste places. *Representative specimen*: Katakhal, 13. 01. 2011, Zannatul Ferdows 09 (RUH).

31. Oxalidaceae

Biophytum sensitivum (L.) DC., Prodr. 1: 690 (1824). *Oxalis sensitiva* L., Sp. Pl.: 434 (1753). Local name: *Panilajuk*.

An annual herb. Waste places, roadsides and open fields. *Representative specimen*: Sapura, 18. 06. 2012, Zannatul Ferdows 328 (RUH).

Oxalis corniculata L., Sp. Pl.: 435 (1753). Local name: *Amrul*.

A perennial herb. Waste places, roadsides and open fields. *Representative specimen*: Binodpur, 14. 05. 2011, Zannatul Ferdows 87 (RUH).

Oxalis rubra A. St. Hil., Fl. Bras. Mer. 1: 124, Pl. IV. Local name: *Bara amrul*.

A stemless herb. Waste places, roadsides and open fields. *Representative specimen*: Boalia, 21. 01. 2011, Zannatul Ferdows 110 (RUH).

32. Apiaceae

Centella asiatica (L.) Urban in Mart., Fl. Bras. 11(1): 287 (1879). *Hydrocotyle asiatica* L., Sp. Pl. 1: 234 (1753). Local name: *Thankuni*.

A perennial herb. Wet moist lands and gardens. *Representative specimen*: Naohata, 15. 03. 2011, Zannatul Ferdows 225 (RUH).

Coriandrum sativum L., Sp. Pl. ed. 1: 256 (1753). Local name: *Dhonay*.

An erect, annual, glabrous, profusely branched herb. Cultivated lands and gardens. *Representative specimen*: Meherchandi, 19. 02. 2011, Zannatul Ferdows 160 (RUH).

33. Gentianaceae

Exacum pedunculatum L., Sp. Pl.: 112 (1753). Local name: *Chiratum*.

A slender, annual herb. In cultivated lands, nurseries and fallow lands. *Representative specimen*: Sapura, 18. 10. 2011, Zannatul Ferdows 331 (RUH).

34. Apocynaceae

Catharantus roseus (L.) G. Don. *Vinca rosea* L., Sp. Pl. ed. 2: 305 (1764). Local name: *Nayantara*.

An erect, perennial herb. Cultivated in the gardens. *Representative specimen*: Motihar, 21. 01. 2011, Zannatul Ferdows 126 (RUH).

Hemidesmus indicus (L.) W.T. Aiton, Hortus Kew, ed. 2, 2: 75 (1811). Local name: *Anantamul*.

A climbing, perennial herb. Wet places, roadsides and bushes. *Representative specimen*: Motihar, 17. 07. 2012, Zannatul Ferdows 434 (RUH).

Ichnocarpus frutescens (L.) W.T. Aiton, Hortus Kew, ed. 2, 2: 69 (1811). *Apocynum frutescens* L., Sp. Pl. 1: 213 (1753). Local name: *Loilata*.

A climbing herb. Wet places, roadsides and bushes. *Representative specimen*: Motihar, 21. 01. 2011, Zannatul Ferdows 82 (RUH).

Rauvolfia serpentina (L.) Benth. ex Kurz., For. Fl. Brit. Burma 2: 171 (1877). *Ophioxylon serpentinum* L. (1753). Local name: *Sarpagandha*.

An erect, glabrous, perennial herb. Wet lands and gardens. *Representative specimen*: Shampur, 13. 01. 2011, Zannatul Ferdows 27 (RUH).

35. Solanaceae

Datura metel L., Sp. Pl.: 179 (1753). *Datura fastuosa* L., Syst. ed. 10, 2: 932 (1759). Local name: *Dhutra*.

An erect, robust herb. Waste places, open fields and roadsides. *Representative specimen*: Paba, 15. 03. 2011, Zannatul Ferdows 208 (RUH).

Nicotiana plumbaginifolia Viv., Elench, Pl. Hort. Dinagro: 26. t. 5 (1802). Local name: *Bantamak*.

An erect, viscidly pubescent herb. Waste places, open fields and roadsides. *Representative specimen*: Motihar, 23. 07. 2011, Zannatul Ferdows 275 (RUH).

Physalis minima L., Sp. Pl.: 183 (1753). Local name: *Kapalphutki*.

Annual or perennials herb. Waste places, open fields and roadsides. *Representative specimen*: Sapura, 18. 06. 2012, Zannatul Ferdows 326 (RUH).

Solanum nigrum L., Sp. Pl.: 186 (1753). Local name: *Kakmachi*.

An erect, annual herb. Waste places, open fields and roadsides. *Representative specimen*: Boalia, 21. 01. 2011, Zannatul Ferdows 108 (RUH).

Solanum torvum Swartz., Nov. Gen. & Sp. Pl. Prodr.: 47 (1788). L. Local name: *Titbegun*.

A tomentose herb. Waste places, open fields and roadsides. *Representative specimen*: Katakali, 13. 01. 2011, Zannatul Ferdows 08 (RUH).

Solanum surattense Burm f., Fl. Ind.: 57 (1768). Local name: *Katabegun*.

Annual or perennial herb. Waste places, open fields and roadsides. *Representative specimen*: Katakali, 13. 01. 2011, Zannatul Ferdows 01 (RUH).

36. Convolvulaceae

Cuscuta reflexa Roxb., Cor. Pl. 2: 3, t. 104 (1798). *Local name: Sarnalata.*

A climbing parasitic herb. Jungles and bushes. *Representative specimen:* Naohata, 15. 03. 2011, Zannatul Ferdows 217 (RUH).

Evolvulus numularius (L.) L., Sp. Pl. ed. 2: 391 (1762). *Convolvulus nimularius* L., Sp. Pl.: 157 (1753). *Local name: Bhuikra.*

Perennial herb. Open fields, road side, waste and shady places. *Representative specimen:* Motihar, 21. 01. 2011, Zannatul Ferdows 118 (RUH).

Ipomoea aquatica Forsk., Fl. Aeg.-Arab.: 44 (1775). *Ipomoea reptans* Poir. in Lamk., Encyc. Suppl. 3: 460 (1814). *Local name: Kalmishak.*

Annual or biennial aquatic herb. *Representative specimen:* Katakali, 13. 01. 2011, Zannatul Ferdows 19 (RUH).

37. Boraginaceae

Heliotropium indicum L., Sp. Pl. 1: 130 (1753). *Heliotropium velutinum* DC. (1845). *Local name: Hatisur.*

An erect, branched, annual, hirsute herb. Waste places, roadsides and open fields. *Representative specimen:* Motihar, 21. 01. 2011, Zannatul Ferdows 119 (RUH).

38. Verbenaceae

Clerodendrum viscosum Vent., Jard. Malm. 1: 25, Pl. 25 (1803). *Local name: Bhant.*

A soft tomentose woody herb. Wet places and roadsides. *Representative specimen:* Binodpur, 14. 05. 2011, Zannatul Ferdows 85 (RUH).

Lantana camara L., Sp. Pl.: 627 (1753). *Local name: Lantana.*

Branching herb. Wet places and roadsides. *Representative specimen:* Boalia, 21. 01. 2011, Zannatul Ferdows 107 (RUH).

39. Lamiaceae

Leonurus sibiricus L., Sp. Pl. 2: 584 (1753). *Local name: Roktodron.*

An erect stout herb, up to 2 m high. In waste places and roadsides. *Representative specimen:* Kajla, 14. 05. 2011, Zannatul Ferdows 89 (RUH).

Leucas cephalotes (Roth.) Spreng., Syst. 2: 743 (1825). *Phlomis cephalotes* Roth., Nov. Sp.: 262 (1821). *Local name: Bara halkusa.*

A stout erect, annual herb. In waste places and often marshy places. *Representative specimen:* Motihar, 21. 01. 2011, Zannatul Ferdows 113 (RUH).

Leucas aspera (Willd) Link., Enum. Hort. Berol. 2: 113 (1822). *Local name: Shetodron.*

A stout, erect or diffuse annual herb. In cultivated lands but also in shady moist places. *Representative specimen:* Katakali, 13. 01. 2011, Zannatul Ferdows 14 (RUH).

Ocimum basilicum L., Sp. Pl.: 597 (1753). *Local name: Babui tulsi.*

A herb, up to 3 m tall, almost glabrous. In wet places, gardens. *Representative specimen:* Naohata, 15. 03. 2011, Zannatul Ferdows 213 (RUH).

Ocimum tenuiflorum L., Sp. Pl. 2: 597 (1753). *Local name: Tulshi.*

An erect, stout, aromatic annual herb. In the gardens especially near the Hindu Temples. *Representative specimen:* Motihar, 23. 07. 2011, Zannatul Ferdows 278 (RUH).

Salvia plebeja L., Sp. Pl. 1: 23 (1753). *Local name: Ban tulsi.*

An erect, perennial herb. In wet places and roadsides. *Representative specimen:* Naohata, 15. 03. 2011, Zannatul Ferdows 102 (RUH).

40. Scrophulariaceae

Scoparia dulcis L., Sp. Pl.: 116 (1753). *Scoparia grandiflora* Nash (1896). *Local name: Bondhoney.*

A perennial herb. Waste places, open fields and roadsides. *Representative specimen:* Paba, 15. 03. 2011, Zannatul Ferdows 207 (RUH).

41. Acanthaceae

Andrographis paniculata Nees in Wall. Pl. As. Rar. 3: 116 (1832). *Local name: Kalomegh.*

An erect or sometimes suberect, annual herb. Gardens, homesteads and waste places. *Representative specimen:* Motihar, 21.01. 2011, Zannatul Ferdows 131 (RUH).

Barleria prionitis L., Sp. Pl. 2: 636 (1753). Local name: *Kanta-janti, Kurantak*.

A much branched herb. Roadsides and waste places. *Representative specimen*: Shampur, 13.01. 2011, Zannatul Ferdows 31 (RUH).

Hemigraphis hirta (Vahl) T.Anderson., Sp.Pl. 1: 45 (1753). Local name: *Buripana*.

A small prostrate, softly hirsute or villous herb. Moist lands. *Representative specimen*: Naohata, 15.03. 2011, Zannatul Ferdows 230 (RUH).

Hygrophila schulli M.R. & S.N. Almeida., J. Bombay Nat. Hist. Soc. 83 (suppl.): 221 (1987). Local name: *Kanta Kalika, Talmakhna*.

An annual, erect, unbranched herb. Moist places, on banks of ponds, ditches and paddy fields. *Representative specimen*: Meherchandi, 19.02. 2011, Zannatul Ferdows 165 (RUH).

Justicia adhatoda L., Sp. Pl.: 15 (1753). Local name: *Basak*.

A dense, much branched, evergreen herb. Homestead and gardens, moist places. *Representative specimen*: Motihar, 21.01. 2011, Zannatul Ferdows 130 (RUH).

Justicia gendarussa Burm f., Fl. Ind. (1768). Local name: *Jgathmadan*.

A perennial herb. Waste places and roadsides. *Representative specimen*: Shampur, 13.01. 2012, Zannatul Ferdows 430 (RUH).

Nelsonia canescens (Lamk.) Spreng., Syst. 16. 1: 42 (1824). *Justicia canescens* Lamk. (1791). Local name: *Paramul*.

A trailing or diffuse herb. Waste places and plain lands. *Representative specimen*: Shampur, 13.01. 2011, Zannatul Ferdows 30 (RUH).

Phyla nodiflora (L.) Greene., Pittonia 4: 46 (1899). *Verbena nodiflora* L., Sp. Pl. 1: 20 (1753). Local name: *Bhui-okra*.

Annual herb. Common in waste places and roadsides. *Representative specimen*: Naohata, 15.03. 2011, Zannatul Ferdows 229 (RUH).

Rungia pectinata (L.) Nees., A.L.P.P. de Candolle, Prodr. 11: 470 (1847). *Rungia parviflora* (Retz.) Nees., in Wall., Pl. As. Rar. 3: 110 (1832). Local name: *Pindi*.

A much-branched, very variable, prostrate to suberect herb. Warm moist shady places. *Representative specimen*: Meherchandi, 19.02. 2011, Zannatul Ferdows 164 (RUH).

Ruellia tuberosa L., Sp. Pl. 2: 635 (1753). *Ruellia strepens* L., Sp. Pl. 2: 634 (1753). Local name: *Chatpoty*.

An annual or perennial herb. Fallow land and moist walls. *Representative specimen*: Shampur, 13.01. 2011, Zannatul Ferdows 29 (RUH).

42. Asteraceae

Ageratum conyzoides (L.) L., Sp. Pl.: 839 (1753). Local name: *Ochunti, Fulkuri*.

An annual aromatic herb. Sandy moist places of the roadsides. *Representative specimen*: Naohata, 15. 03. 2011, Zannatul Ferdows 224 (RUH).

Blumea lacera (Burm.f.) DC. in Wight, Contrib. Bot. Ind.: 14 (1834). *Conyza lacera* Burm. f. (1768). Local name: *Kukshim*.

An erect annual herb. Waste lands like roadsides, footpaths and uncultivated open lands. *Representative specimen*: Shampur, 13. 01. 2011, Zannatul Ferdows 26 (RUH).

Blumea laciniata (Roxb.) DC., Prodr. 5: 436 (1836). Local name: *Kukshim*.

An erect annual aromatic herb. Waste lands and roadsides. *Representative specimen*: Motihar, 21. 01. 2011, Zannatul Ferdows 125 (RUH).

Calendula officinalis L., Sp. Pl. 2: 921 (1753). Local name: *Calendula*.

An erect, hispidly pubescent, annual herb. Gardens. *Representative specimen*: Sapura, 18. 06. 2012, Zannatul Ferdows 335 (RUH).

Callistephus chinensis (L.) Nees., Gen. Pl. Aster.: 222 (1832). *Aster chinensis* L., Sp. Pl. 2: 877 (1753). Local name: *Aster*.

An erect, hairy annual herb. Garden beds. *Representative specimen*: Kajla, 14. 05. 2011, Zannatul Ferdows 93 (RUH).

Chrysanthemum coronarium L., Sp. Pl. 2: 890 (1753). Local name: *Chandramallica*.

An erect, ribbed, much branched, hairy annual herb. Gardens. *Representative specimen*: Motihar, 21. 01. 2011, Zannatul Ferdows 124 (RUH).

Cirsium arvense (L.) Scop., Fl. Carn. Ed. 2.2: 126 (1772). Local name: *Shial-kanta*.

A perennial herb. Cultivated fields and roadsides. *Representative specimen*: Shampur, 13. 01. 2011, Zannatul Ferdows 25 (RUH).

Cosmos caudatus Kunth., Nov. Gen. Sp. 4: 240 (1820). Local name: *Cosmos*.

An erect, pubescent annual herb. Gardens. *Representative specimen*: Naohata, 15. 03. 2011, Zannatul Ferdows 223 (RUH).

Chromolaena odorata (L.) King & Robinson. Phytologia 20: 204 (1970). *Eupatorium odoratum* L., Syst. Nat. ed. 10, 2:1205 (1759). Local name: *Assam lata*.

A tall branched perennial herb. Waste places, roadsides and plain lands. *Representative specimen*: Motihar, 21. 01. 2011, Zannatul Ferdows 03 (RUH).

Eclipta alba (L.) Hassk., Pl. Jav. Rar.: 528 (1848). Local name: *Kalokeshi*.

A diffuse or erect, much branched or rarely unbranched, annual herb. Damp waste lands, cultivated fields, roadsides and drains. *Representative specimen*: Meherchandi, 19. 02. 2011, Zannatul Ferdows 159 (RUH).

Ethulia conyzoides L., Sp. Pl. ed. 2: 1171 (1762). Local name: *Ethulia*.

An erect, glabrous or puberulous leafy annual herb. Wet fallow lands and dry riverbanks. *Representative specimen*: Motihar, 23. 07. 2011, Zannatul Ferdows 284 (RUH).

Enhydra fluctuans Lour., Fl. Coch. 2: 511 (1790). Local name: *Helencha*.

A branched, aquatic annual herb. Aquatic in ditches, ponds and beels. *Representative specimen*: Motihar, 21. 01. 2011, Zannatul Ferdows 123 (RUH).

Emilia sonchifolia (L.) DC. in Waight. Contr.: 24 (1834). Local name: *Emilia*, *Sadimudi*.

An erect, branched or diffuse, annual herb. Uncultivated open fields and sandy moist places. *Representative specimen*: Shampur, 13. 01. 2011, Zannatul Ferdows 24 (RUH).

Gnaphalium polycaulon Pers., Syn. Pl. 2: 421 (1807). Local name: *Bara karma*.

An erect tomentose herb. Moist fallow lands, roadsides, open fields and the sides of rice fields. *Representative specimen*: Naohata, 15. 03. 2011, Zannatul Ferdows 222 (RUH).

Gnaphalium loteo-album L., Sp. Pl. 2: 851 (1753). Local name: *Polkalomi*.

A decumbent, woolly, annual herb. Dry fallow lands. *Representative specimen*: Meherchandi, 19. 02. 2011, Zannatul Ferdows 158 (RUH).

Grangea maderaspatana (L.) Poir., Encycl. Suppl. 2: 825 (1812). *Artemisia maderaspatana* L., Sp. Pl. 2: 849 (1753). Local name: *Namuti*.

An annual, pubescent and glandular, angular herb. Moist soil and loose soil of Charlands. *Representative specimen*: Motihar, 23. 07. 2011, Zannatul Ferdows 283 (RUH).

Helianthus annuus L., Sp. Pl. 2: 904 (1753). Local name: *Surjamukhi*.

A tall, hairy annual herb. Gardens and agricultural fields. *Representative specimen*: Sapura, 18. 06. 2012, Zannatul Ferdows 334 (RUH).

Helianthus debilis Nutt., Trans. Amer. Philos. Soc. Ser. 2, 7: 367 (1941). Local name: *Surjamukhi*.

A bushy, sparsely hairy, freely branching perennial herb. Gardens. *Representative specimen*: Kajla, 14.05. 2011, Zannatul Ferdows 92 (RUH).

Launaea aspleniifolia (Willd.) Hook. f., Fl Brit. Ind. 3: 415 (1881). Local name: *Tik-chana*.

A biennial or perennial, glabrous, rosette herb. Open fields and roadsides. *Representative specimen*: Motihar, 21. 01. 2011, Zannatul Ferdows 122 (RUH).

Mikania cordata (Burm.f) Robinson, Contr. Gray Herb. 104: 65 (1934). *Mikania volubilis* Willd. (1803). Local name: *Asamlata*.

A glabrous or sparsely puberulous, twining perennial herb. Roadsides, bank of ponds and busy jungles. *Representative specimen*: Shampur, 13. 01. 2011, Zannatul Ferdows 23 (RUH).

Parthenium hysterophorus L., Sp. Pl. 2: 988 (1753). Local name: *Parthenium*.

A perennial, rhizomatous herb. Slopes, waste lands, open fields and roadsides. *Representative specimen*: Naohata, 15. 03. 2011, Zannatul Ferdows 221 (RUH).

Sonchus arvensis L., Sp. Pl. 2: 793 (1753). Local name: *Banpalong*.

A perennial, rhizomatous herb. Slopes and roadsides. *Representative specimen*: Meherchandi, 19. 02. 2011, Zannatul Ferdows 157 (RUH).

Sonchus asper (L.) Hill., Br. Herb. 1: 47, t. f. 2 (1756). *Sonchus oleraceus* var. *asper* L., Sp. Pl.: 794 (1753). Local name: *Sonpalong*.

A glabrous, annual herb. Dry open fields and roadsides. *Representative specimen*: Motihar, 23. 07. 2012, Zannatul Ferdows 282 (RUH).

Spilanthes calva DC. in Wight, Contrib. Bot. Ind.: 19 (1834). Local name: *Surja Kannya*.

An annual herb. Dry open fields, waste places and roadsides. *Representative specimen*: Kajla, 14. 05. 2011, Zannatul Ferdows 91 (RUH).

Synedrella nodiflora (L.) Gaertn., Fruct. 2: 456. t. 171 (1791). *Verbesina nodiflora* L. (1787). Local name: *Synedrella*.

An erect, branched, pubescent, annual herb. Dry soil, waste places open fields and roadsides. *Representative specimen*: Motihar, 21. 01. 2011, Zannatul Ferdows 121 (RUH).

Tridax procumbens L., Sp. Pl.: 900 (1753). Local name: *Tridhara*.

An annual or perennial, procumbent, hirsute, rarely weak straggling herb. Dry soil, open fields and roadsides. *Representative specimen*: Shampur, 13. 01. 2011, Zannatul Ferdows 22 (RUH).

Tagetes patula L., Sp. Pl. 2: 887 (1753). Local name: *Genda, Gada*.

A erect, ribbed, hairy annual herb. Gardens and nurseries. *Representative specimen*: Naohata, 15. 03. 2011, Zannatul Ferdows 220 (RUH).

Vernonia cinerea (L.) Less., Linnaea 4(1): 291 (1882). *Conyza cinerea* L. (1753). Local name: *Kuksim*.

An erect, rarely decumbent, more or less pubescent annual herb. *Representative specimen*: Meherchandi, 19. 02. 2011, Zannatul Ferdows 156 (RUH).

Vernonia patula (Dryand) Merrill, Philipp. J. Sci. 3(6): 439-440 (1908). Local name: *Kuksim*.

An erect pubescent annual herb. Sandy soil, roadside, waste places and fields. *Representative specimen*: Motihar, 23. 07. 2011, Zannatul Ferdows 281 (RUH).

Wedelia biflora (L.) DC. in Wight. Contr.: 18 (1834). *Verbesina biflora* L., Sp. Pl. ed. 2: 1272 (1763). Local name: *Wedelia*.

A annual or perennial herb. Fallow lands. *Representative specimen*: Motihar, 21. 01. 2011, Zannatul Ferdows 120 (RUH).

Wedelia chinensis (Osbeck) Merr., Philip. J. Sci. 12: 111 (1917). *Verbesina calendulacea* L., Sp. Pl. ed. 2: 1272 (1763). Local name: *Mohavringaraj*.

A procumbent or decumbent herb. Shady places, roadside, moist waste places and cultivated fields. *Representative specimen*: Shampur, 13. 01. 2011, Zannatul Ferdows 21 (RUH).

Wedelia trilobata (L.) A.S. Hitchc., Syn. Pl. 2: 490 (1807). Local name: *Mohavringaraj*.

A creeping, mat-forming perennial herb. Roadside, moist waste places and gardens. *Representative specimen*: Naohata, 15. 03. 2011, Zannatul Ferdows 219 (RUH).

Xanthium indicum Koenig in Roxb., Fl. Ind. 3: 601 (1832). Local name: *Ghagra, Hagra, Ban-okra*.

An erect annual herb. Shady places, roadside, moist waste places and cultivated fields. *Representative specimen*: Buthpara, 19. 02. 2011, Zannatul Ferdows 155 (RUH).

Youngia japonica (L.) DC., Prod. 7: 194 (1838). Local name: *Crepis*.

An erect, annual herb. Moist soil, open fields and roadsides. *Representative specimen*: Motihar, 23. 07. 2011, Zannatul Ferdows 280 (RUH).

Zinnia pauciflora L., Sp. Pl. ed. 2, 2: 1269 (1763). Local name: *Zinnia*.

An erect, branched, pubescent annual herb. Gardens. *Representative specimen*: Sapura, 18. 06. 2012, Zannatul Ferdows 333 (RUH).

LILIOPSIDA (MONOCOTS)

43. Araceae

Amorphophallus campanulatus Blume, Nat. Pl. Queen.: 252 (1989). Local name: *Olkachu*.

Annual herb. Moist places. *Representative specimen*: Binodpur, 14. 05. 2011, Zannatul Ferdows 84 (RUH).

Alocasia indica (Loureiro.) Spach., Hist. Nat. Veg. 12: 47 (1846). *Arum macrorrhizum* L., Sp. Pl. 2: 965 (1753). Local name: *Mankochu*.

Herbs. Waste places, open fields and roadsides. *Representative specimen*: Motihar, 23. 07. 2012, Zannatul Ferdows 273 (RUH).

Colocasia esculenta (L.) Schott. in Schott & Endl., Melet. Bot.: 18 (1832). *Arum esculentum* L. (1753). Local name: *Kochu*.

An annual or perennial herb. Waste places, open fields and roadsides. *Representative specimen*: Sapura, 18. 06. 2012, Zannatul Ferdows 324 (RUH).

Pistia stratiotes L., Sp. Pl. 2: 963 (1753). Local name: *Khudipana*.

An annual aquatic herb. Waste places. *Representative specimen*: Sapura, 18. 10. 2011, Zannatul Ferdows 311 (RUH).

Typhonium trilobatum (L.) Schott., Wiener Z. Kunst 1829(3): 732 (1829). *Arum trilobatum* L., Sp. Pl. 2: 965 (1753). Local name: *Ghetkachu*.

An annual herb. Waste places and roadsides. *Representative specimen*: Sapura, 18. 10. 2011, Zannatul Ferdows 301 (RUH).

44. Commelinaceae

Commelina benghalensis L., Sp. Pl.: 41 (1753). Local name: *Kanshira*.

A slender herb. Moist places. *Representative specimen*: Boalia, 21. 01. 2011, Zannatul Ferdaows 106 (RUH).

45. Cyperaceae

Cyperus rotundus L., Sp. Pl.: 45 (1753). Local name: *Muthaghas*.

Perennial herb. Moist places and roadsides. *Representative specimen*: Guripara, 12. 08. 2011, Zannatul Ferdows 352 (RUH).

Kyllinga bulbosa Beauv., Fl. Oware. 1: 11 (1804). *Cyperus triceps* (Rottb.) Endl. (1842). Local name: *Golanirbisa*.

A perennial herb. Open places and roadsides. *Representative specimen*: Motihar, 17. 07. 2012, Zannatul Ferdows 424 (RUH).

Scirpus articulatus L., Sp. Pl. 1: 47 (1753). Local name: *Chechur*.

Annual herb. Rice fields. *Representative specimen*: Sampur, 13. 01. 2011, Zannatul Ferdows 271 (RUH).

Scirpus grossus L. f., Suppl. Pl.: 104 (1782). Local name: *Chotochchur*.

Annual herb. Rice fields. *Representative specimen*: Sampur, 13. 03. 2012, Zannatul Ferdows 321 (RUH).

46. Poaceae

Chrysopogon aciculatus (Retz.) Trin., Fund. Agrost. 188 (1820). Local name: *Premkata*.

A perennial herb. Waste places, open fields and roadsides. *Representative specimen*: Motihar, 21. 01. 2013, Zannatul Ferdows 149 (RUH).

Cynodon dactylon (L.) Pers., Syn. Pl. 1: 85 (1805). *Panicum dactylon* L., Sp. Pl. 1: 58 (1753). Local name: *Durba ghas*.

Perennial herb. Waste places, open fields and roadsides. *Representative specimen*: Boalia, 21. 01. 2011, Zannatul Ferdows 105 (RUH).

Eleusine indica (L.) Gaertn., Fruct. Sem. Pl. 1: 8 (1788). Local name: *Maruaghas*.

Perennial herb. Waste places, open fields and roadsides. *Representative specimen*: Motihar, 17. 07. 2012, Zannatul Ferdows 425 (RUH).

Oplismenus compositus (L.) P. Beauv., Run., Flora Pak.: 16 (2013). *Panicum compositum* L., Sp. Pl. 1: 57 (1753). Local name: *Gohur dubra*.

A perennial herb. Waste places, open fields and roadsides. *Representative specimen*: Motihar, 23. 07. 2012, Zannatul Ferdows 272 (RUH).

Saccharum spontaneum L., Mant. Pl. 2: 183 (1771). Local name: *Kash*.

A perennial herb. Open fields and roadsides. *Representative specimen*: Motihar, 17. 07. 2012, Zannatul Ferdows 430 (RUH).

Vetiveria zizanioides (L.) Nash., J.K. Small, Fl. S.e. U.S. 67: 1326 (1903). Local name: *Binnaghas*.

A perennial herb. Waste places, open fields and roadsides. *Representative specimen*: Motihar, 17. 07. 2012, Zannatul Ferdows 432 (RUH).

47. Heliconiaceae

Heliconia rostrata Ruiz & Pav., Fl. Peruv. 3: 71, t. 305 (1802). Local name: *Heliconia*.

Perennial herb. Gardens. *Representative specimen*: Motihar, 21. 01. 2011, Zannatul Ferdows 405 (RUH).

48. Musaceae

Musa paradisiaca L., Sp. Pl. (pro sp.) 2: 1043 (1753). Local name: *Kala*.

A large herb. Cultivated lands. *Representative specimen*: Motihar, 23. 07. 2012, Zannatul Ferdows 472 (RUH).

49. Zingiberaceae

Acorus calamus L., Sp. Pl. 1: 324 (1753). Local name: *Boch*.

An annual or perennial herb. Waste places, open fields and roadsides. *Representative specimen*: Motihar, 23. 07. 2011, Zannatul Ferdows 272 (RUH).

Curcuma longa L., Sp. Pl. 1: 2 (1753). Local name: *Halud*.

An annual or perennial herb. Crop fields. *Representative specimen*: Sapura, 18. 10. 2011, Zannatul Ferdows 322 (RUH).

Curcuma zedoaria (Christm.) Rosc. in Trans. Linn. Soc. Lond. 8: 354 (1807). *Curcuma zerumbet* Roxb. (1810). Local name: *Shati*.

A stemless herb with pale yellow-white rhizome. Wet land and shady places. *Representative specimen*: Binodpur, 14. 05. 2011, Zannatul Ferdows 82 (RUH).

50. Costaceae

Costus speciosus (Koenig ex Retz.) Smith, Trans. Linn. Soc. London 1: 249 (1791). *Banksea speciosa* Koenig ex Retz. (1783). Local name: *Kushtha*.

A tall herb. Roadsides and moist places. *Representative specimen*: Katakhal, 13. 01. 2011, Zannatul Ferdows 06 (RUH).

51. Cannaceae

Canna indica L., Sp. Pl. 1: 1 (1753). Local name: *Kolaboti*.

Perennial herb. Moist places and roadsides. *Representative specimen*: Paba, 15. 03. 2011, Zannatul Ferdows 104 (RUH).

52. Pontederiaceae

Eichhornia crassipes (Mart.) Solms., A.L.P.P.de Candolle & A.C. de Candolle, Monogr. Phan. 4: 527 (1883). Local name: *Kuchuripana*.

Aquatic herb. Wet lands, ponds and Rice fields. *Representative specimen*: Paba, 15. 06. 2011, Zannatul Ferdows 413 (RUH).

Monochoria hastata (L.) Solms., A.L.P.P.de Candolle & A.C. de Candolle, Monogr. Phan. 4: 523 (1883).

Local name: *Boro panikochu*.

Aquatic herb. Wet lands, ponds and Rice fields. *Representative specimen*: Paba, 15. 03. 2011, Zannatul Ferdows 249 (RUH).

53. Liliaceae

Allium cepa L., Sp. Pl. 1: 301 (1753). Local name: *Piaj*.

An annual herb. Cultivated in crop fields. *Representative specimen*: Paba, 15. 03. 2011, Zannatul Ferdows 205 (RUH).

Allium sativum L., Sp. Pl. 1: 296 (1753). Local name: *Rosun*.

An annual herb. Cultivated in crop fields. *Representative specimen*: Sapura, 18. 10. 2011, Zannatul Ferdows 323 (RUH).

Asparagus racemosus Willd., Sp. Pl. 2(1): 152 (1799). Local name: *Satamiuli*.

A climbing, perennial herb. Moist places and roadsides. *Representative specimen*: Sapura, 17. 07. 2012, Zannatul Ferdows 421 (RUH).

54. Aloeaceae

Aloe vera (L.) N. L. Burm., Fl. Ind.: 83 (1768). *Aloe perfoliata* L. var. *vera* L., Sp. Pl. 1: 320 (1753). Local name: *Ghridakumari*.

A perennial herb. Gardens. *Representative specimen*: Binodpur, 14. 05. 2011, Zannatul Ferdows 83 (RUH).

55. Agavaceae

Agave americana L., Sp. Pl. 1: 323 (1753). Local name: *Agab*.

A perennial herb. Roadsides and gardens. *Representative specimen*: Motihar, 17. 07. 2012, Zannatul Ferdows 431 (RUH).

56. Smilacaceae

Smilax zeylanica L., Sp. Pl. ed. 1: 1429 (1753). Local name: *Kumarica*, *Kumarilata*.

A climbing herb. Waste places, open fields and roadsides. *Representative specimen*: Motihar, 12. 08. 2011, Zannatul Ferdows 351 (RUH).

57. Dioscoreaceae

Dioscorea alata L., Sp. Pl. 2: 1033 (1753). Local name: *Chuprialu*.

A climbing herb. Wet places and roadsides. *Representative specimen*: Motihar, 17. 07. 2012, Zannatul Ferdows 403 (RUH).

58. Orchidaceae

Vanda roxburghii R. Br., Bot. Reg. 6: t. 506 (1820). Local name: *Rasna*.

Epiphytic perennial herb. Shelter on trees. *Representative specimen*: Motihar, 17. 07. 2012, Zannatul Ferdows 419 (RUH).

Acknowledgements

The authors are grateful to the University Grant Commission (UGC) and Rajshahi University, Rajshahi-6205, Bangladesh for financial support to complete this research work.

References

- Ara, T., Islam, A.K.M.R. and Rahman, A.H.M.M. (2013): Taxonomy of Solanaceae: Taxonomic Enumeration of the family Solanaceae in the Rajshahi University Campus, Bangladesh. Lambert Academic Publishing AG & CO KG. Germany. 104 pages, ISBN 978-3-659-31315-8.
- Ara, T., Khokan, E.H. and Rahman, A.H.M.M. (2011): Taxonomic Studies on the Family Solanaceae in the Rajshahi University Campus. *Journal of Biodiversity and Environmental Sciences*. Bangladesh. 4(1):29-34.
- BBS (Bangladesh Bureau of Statistics). (2009): Statistical Year Book of Bangladesh, 23rd edition, Bangladesh Bureau of Statistics, Planning Division, Ministry of Planning Government of Peoples Republic of Bangladesh, Dhaka.
- Cronquist, A. (1981): An Integrated System of Classification of Flowering Plants. Columbia University Press. New York. U.S.A.
- Hooker, J.D. (1872-1888): The Flora of British India. Vols. 1-7 (Ind. Repr. 1973). Bishen Singh Mahendra Pal Singh, Dehra Dun, India.
- Huq, A.M. (1986): Plant Names of Bangladesh. Bangladesh National Herbarium, BARC, Dhaka, Bangladesh.
- Khan, M.S. and Huq, A.M. (2001): The vascular flora of Chunati wildlife Sanctuary in South Chittagong. Bangladesh J. Plant Taxon. 8(1): 47-64.
- Khan, M.S., Rahman, M.M., Huq, A.M., Mia, M.M.K. and Hassan, M.A. (1994): Assessment of Biodiversity of Teknaf Game Reserve in Bangladesh focusing on economically and ecologically important plant species. Bangladesh J. Plant Taxon. 1(1): 21-23.
- Kirtikar, K.R. and Basu, B.D. (1987): Indian Medicinal Plants. Vols. 1-4. Lalit Mohan Basu, Alhabad, India.
- Pasha, M.K. and Uddin, S.B. (2013): Dictionary of Plant Names of Bangladesh (Vascular Plants). Janokalyan Prokashani. Chittagong, Dhaka, Bangladesh.
- Prain, D. (1903): Bengal Plants. Vols. 1&2 (Ind. Repr. 1981). Bishen Singh Mahendra Pal Singh, Dehra Dun, India.
- Rahman, A.H.M.M., Anisuzzaman, M., Alam, M.Z., Islam, A.K.M.R. and Zaman, A.T.M. N. (2006): Taxonomic Studies of the Cucurbits Grown in the Northern Parts of Bangladesh. *Research Journal of Agriculture and Biological Sciences*. Pakistan. 2(6):299-302.
- Rahman, A.H.M.M., Anisuzzaman, M., Ahmed, F., Zaman, A.T.M.N. and Islam, A.K.M. R. (2007a): A Floristic Study in the Graveyards of Rajshahi City. *Research Journal of Agriculture and Biological Sciences*. Pakistan. 3(6): 670-675.
- Rahman, A.H.M.M., Islam, A.K.M.R. and Naderuzzaman, A.T.M. (2007b): Studies on the herbaceous plant species in the graveyard areas of Rajshahi city. *Plant Environment Development*. Bangladesh. 1(1): 57-60.
- Rahman, A.H.M.M., Islam, A.K.M.R., Naderuzzaman, A.T.M., Hossain, M.D. and Afza, R. (2007c): Studies on the Aquatic Angiosperms of the Rajshahi University Campus. *Research Journal of Agriculture and Biological Sciences*. Pakistan. 3(5): 474-480.
- Rahman, A.H.M.M., Alam, M.S., Hossain, M.B., Nesa, M.N., Islam, A.K.M.R. and Rahman, M.M. (2008a): Study of Species Diversity on the family Asteraceae (Compositae) of the Rajshahi Division. *Research Journal of Agriculture and Biological Sciences*. Pakistan. 4(6): 794-797.

- Rahman, A.H.M.M., Alam, M.S., Khan, S.K., Ahmed, F., Islam, A.K.M.R. and Rahman, M.M. (2008b): Taxonomic Studies on the family Asteraceae (Compositae) of the Rajshahi Division. *Research Journal of Agriculture and Biological Sciences*. Pakistan. 4(2): 134-140.
- Rahman, A.H.M.M., Islam, A.K.M.R. and Rahman, M.M. (2011): The Family Asteraceae of Rajshahi Division, Bangladesh. VDM Verlag Dr. Muller e.k. Publishers, Germany. 304 pages, ISBN 978-3-639-37815-3.
- Rahman, A.H.M.M. and Khanom, A. (2013): Taxonomic and Ethno-Medicinal Study of Species from Moraceae (Mulberry) Family in Bangladesh Flora. *Research in Plant Sciences*. USA. 1(3): 53-57.
- Rahman, A.H.M.M. and Akter, M. (2013): Taxonomy and Medicinal Uses of Euphorbiaceae (Spurge) Family of Rajshahi, Bangladesh. *Research in Plant Sciences*. USA. 1(3): 74-80.
- Rahman, A.H.M.M., Islam, A.K.M.R. and Hossain, M.M. (2013): Taxonomy of Cucurbitaceae: Taxonomic investigation of wild & cultivated cucurbits of Northern parts of Bangladesh. Lambert Academic Publishing AG & CO KG. Germany. 176 pages, ISBN 978-3-845-42855-0.
- Rahman, A.H.M.M. (2013a): A Checklist of Common Angiosperm Weeds of Rajshahi District, Bangladesh. *International Journal of Agricultural and Soil Science*. 1(1): 1-6.
- Rahman, A.H.M.M. (2013b): Assessment of Angiosperm Weeds of Rajshahi, Bangladesh with emphasis on medicinal plants. *Research in Plant Sciences*. USA. 1(3): 62-67.
- Rahman, A.H.M.M. (2013c): Angiospermic flora of Rajshahi district, Bangladesh. *American Journal of Life Sciences*. USA. 1(3): 105-112.
- Rahman, A.H.M.M. (2013d): Graveyards angiosperm diversity of Rajshahi city, Bangladesh with emphasis on medicinal plants. *American Journal of Life Sciences*. USA. 1 (3): 98-104.
- Rahman, A.H.M.M. (2013e): Study of Species Diversity on Cucurbitaceae family at Rajshahi Division, Bangladesh. *Journal of Plant Sciences*. USA. 1(2): 18-21.
- Rahman, A.H.M.M. (2013f): Systematic studies on Asteraceae in the northern region of Bangladesh. *American Journal of Life Sciences*. USA. 1(4): 155-164.
- Rahman, A.H.M.M. (2013g): Systematic studies on Cucurbitaceae family at Rajshahi division, Bangladesh. *Plant*. USA. 1(2): 10-15.
- Rahman, A.H.M.M. (2014): Angiosperm Flora in the Graveyards of Rajshahi City, Bangladesh. Lambert Academic Publishing AG & CO KG. Germany. 197 pages, ISBN 978-3-659-52094-5.
- Rahman, A.H.M.M. and Debnath, A. (2014a): Angiosperm Diversity of Pandit Para Village under Palash Upazila of Narsingdi District, Bangladesh. *Frontiers of Biological & Life Sciences*. USA. 2(4): 98-105.
- Rahman, A.H.M.M. and Debnath, A. (2014b): Taxonomy and Ethnobotany of Palash Upazila of Narsingdi, Bangladesh. Lap Lambert Academic Publishing, Germany. 209 pages. ISBN 978-3-659-61350-0
- Rahman, A.H.M.M. and Gulshana, M.I.A. (2014): Taxonomy and Medicinal Uses on Amaranthaceae Family of Rajshahi, Bangladesh. *Applied Ecology and Environmental Sciences*. USA. 2(2): 54-59.
- Rahman, A.H.M.M. and Keya, M.A. (2014a): Angiosperm Diversity of Bogra District, Bangladesh. Lap Lambert Academic Publishing, Germany. 276 pages. ISBN 978-3-659-62020-1
- Rahman, A.H.M.M. and Keya, M.A. (2014b): Assessment of Angiosperm Flora at the Village Sabgram under Sadar Upazila of Bogra District, Bangladesh. *International Journal of Advanced Research*. India. 2(11): 443-458.
- Rahman, A.H.M.M. and Rahman, M.M. (2014): An Enumeration of Angiosperm weeds in the Paddy field of Rajshahi, Bangladesh with emphasis on medicinal Plants. *Journal of Applied Science And Research*. USA. 2(2): 36-42.
- Rahman, A.H.M.M. and Rojonigondha. (2014): Taxonomy and Traditional Medicine Practices on Malvaceae (Mallow Family) of Rajshahi, Bangladesh. *Open Journal of Botany*. USA. 1(2): 19-24.
- Rahman, A.H.M.M., Afsana, M.W. and Islam, A.K.M.R.. (2014a): Taxonomy and Medicinal Uses on Acanthaceae Family of Rajshahi, Bangladesh. *Journal of Applied Science And Research*. USA. 2(1): 82-93.

- Rahman, A.H.M.M., Ferdous, Z. and Islam, A.K.M.R. (2014b): A Preliminary Assessment of Angiosperm Flora of Bangladesh Police Academy. *Research in Plant Sciences*. USA. 2(1): 9-15.
- Rahman, A.H.M.M., Hossain, M.M. and Islam, A.K.M.R.. (2014c): Taxonomy and Medicinal Uses of Angiosperm weeds in the wheat field of Rajshahi, Bangladesh. *Frontiers of Biological and Life Sciences*. USA. 2(1): 8-11.
- Rahman, M.O. and Hassan, M.A. (1995): Angiospermic flora of Bhawal National Park, Gazipur (Bangladesh). *Bangladesh J. Plant Taxon*. 2(1&2): 47-79.
- Rahman, M.O., Antara, M.T., Begum, M. and Hassan, M.A. (2012): Floristic diversity of Dhamrai Upazilla of Dhaka with emphasis on medicinal plants. *Bangladesh J. Bot*. 41(1): 71-85.
- Rahman, M.O., Uddin, M.Z., Tutul, E., Begum, M. and Hassan, M.A. (2010): Additions to the angiospermic flora of Runtia Sal forest, Bangladesh. *Bangladesh J. Plant Taxon*. 17(2): 171-185.
- Tutul, E., Uddin, M.Z., Rahman, M.O. and Hassan, M.A. (2009): Angiospermic flora of Runtia Sal forest, Bangladesh. I. Liliopsida (Monocots) *Bangladesh J. Plant Taxon*. 6(1): 83-90.
- Tutul, E., Uddin, M.Z., Rahman, M.O. and Hassan, M.A. (2010): Angiospermic flora of Runtia Sal forest, Bangladesh. II. Magnoliopsida (Dicots) *Bangladesh J. Plant Taxon*. 17(1): 33-53.
- Uddin, K., Rahman, A.H.M.M. and Islam, A.K.M.R. (2014): Taxonomy and Traditional Medicine Practices of Polygonaceae (Smartweed) Family at Rajshahi, Bangladesh. *International Journal of Advanced Research*. India. 2(11): 459-469.
- Uddin, M.Z. and Hassan, M.A. (2010): Angiosperm diversity of Lawachara National Park (Bangladesh). *Bangladesh J. Plant Taxon*. 7(1): 9-22.
- Uddin, S.B. and Rahman, M.A. (1999): Angiospermic flora of Himchari National Park, Cox's Bazar, Bangladesh. *Bangladesh J. Plant Taxon*. 6(1): 31-68.
- Uddin, S.N. and Hassan, M.A. (2012): Angiosperm flora of Rampahar reserve forest under Rangamati district in Bangladesh. I. Liliopsida (Monocots). *Bangladesh J. Plant Taxon*. 19(1): 37-44.