

## SOME RARE AND UNCOMMON PLANTS FOUND IN RAWALPINDI AND ISLAMABAD DISTRICTS

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### Abstract

A total of 56 families of 112 genera and 130 species are listed as uncommon or rare plants for the area. The maximum number of uncommon or rare plants are to be found in the *Poaceae* (27), followed by *Papilionaceae* (10) and *Orchidaceae* (8). Information including the locality, the vernacular name and flowering period, where ever possible, are given for each taxon.

### Introduction

The Rawalpindi and Islamabad Districts have a flora which is richer than that found elsewhere in the Punjab Province. According to recent estimates (R.R. Stewart, 1982, p. 41), there are 1689 flowering plants and 53 Pteridophytes. The number is appreciably more, as from time to time new plant records are being added (in a recent unpublished paper, I have listed 35).

The hilly regions of these Districts lie to the North and North-East and form a part of the outer Himalayan range, of which the foot hill zone or the Sub Himalayan tract comprises scrub and hill forests which harbour quite many trees, shrubs and herbs which are uncommon or rare. This flora is tropical in origin and has come in from the East and many of the plants listed in this paper are at their Western most distribution limit.

Unfortunately, as elsewhere, due to cultivation, grazing and population pressure, forests are being fast depleted, thus endangering the natural habitat of a plant species, leading to its ultimate extinction. R.R. Stewart (1957-58) in his introduction to the Rawalpindi District flora mentions that over hundred years ago Katha (*Acacia catechu*), was common in the Tret area, but now is scant. Several rarities are found in both the Districts, such as *Holarrhena pubescens*, *Holboellia latifolia*, *Urginea indica*, *Eremurus sikesarum*, *Rhododendron arboreum* etc., which are now on the endangered list of plant species. Something should be done to conserve the areas by protecting the natural habitat of these plants. R.R. Stewart (1982) has already voiced his opinion concerning the Panjar and Karot valleys in Rawalpindi District.

The present list includes plants which have been collected a very few times. Some of the species as *Curculigo orchioidea*, *Lindernia ciliata* etc., may be locally abundant, but have been recorded from only a single area. Those specimens which are marked with an asterisk are very rare and some such as *Schefflera bengalensis*, *Impatiens scabrifolia*, *Bauhinia vahlii*, *Merrimia palmata*, *Utricularia* cf. *aurea* etc., seem to be no longer extant. The taxa enumerated below are alphabetically arranged.

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## Acanthaceae

*Hemigraphis latebrosa* Nees var. *rupestris* Clarke in Hook.f., Fl. Brit. Ind. 4:424.1884  
Collected from above Tret, by roadside, in pine forest, fide R.R. Stewart (1972, p. 675).

Fl. Per.: January-February.

*Justicia diffusa* Willd. Sp. Pl. 1:87.1797; Clarke, l.c.538.

Known only from Nurpur, at the base of Margalla hills (M.Y. Kiani 56). Fl.Per.: May-October.

## Aceraceae

*Acer oblongum* Wall. ex DC., Prodr. 1593.1824

Manga Sangli area, S.E. of Tret (Y. Nasir and Nazir 9275). R.R. Stewart (1972, p. 462) records it only in cultivation.

## Amaryllidaceae

*Hypoxis aurea* Lour. Fl. Coch. 200. 1790.

Murree hills, fide R.R. Stewart (1972, p. 61). Fl. Per.: July-August.

*Curculigo orchoides* Gaertn. Frust. & Semin. Pl. 1:63.1788.

Panjar (R.R. Stewart 28541). Vern.: 'kalimusli'. Fl. Per.: July-August.

## Apocynaceae

*Holarrhena pubescens* (Buch-Ham.) Wall. ex G. Don. Gen. Syst. 4:78.1838

(= *H. antidysenterica* (L.) Wall. ex DC., Prodr. 8:413.1844, p.p.).

Collected only from Nurpur. Vern.: 'kewar'. Fl. Per.: May-June.

*Trachelospermum lucidum* (D. Don) Schum. in Engl. & Prantl, Nat. Pflanzenf. 4(2):159.1895.

(= *T. fragrans* Hook.f., Fl. Brit. Ind. 3:667.1882; Parker, For. Fl. Punj. 334.1918).

Collected from Manga Sangli area, S.E. of Tret (Y. Nasir 9957). Fl. Per.: April-May.

## Araceae

*Arisaema tortuosum* var. *curvatum* (Roxb.) Engler in Pflanzenr. 4.23 F:191.1920

Danoi, above Lehtrar (Y. Nasir and Nazir s.n.). Vern.: 'kiriki kukri'. Fl. Per.: June-July.

## Araliaceae

*Schefflera bengalensis* Gamble, Kew Bull. 229.1919

(= *S. elliptica* sensu R.R. Stewart, Annot. Cat. Vasc. Pl. W. Pak. & Kashm. 509.1972).

Once found on a huge boulder in Tret, fide R.R. Stewart, l.c. usually found from the Ravi eastward. Fl. Per.: February-March.

## Asclepiadaceae

*Ceropegia macrantha* Wight, Contrib. 31.1834

Manga, S.E. of Tret (Y. Nasir and Nazir 9268). Fl. Per.: September



### Balsaminaceae

\**Impatiens scabrida* DC., Prodr.1:687.1824

Murree (R.R. Stewart 12420). Usually found from Kumaon eastward. Fl. Per.: July-August.

### Begonaceae

\**Begonia tenella* D.Don, Prodr. Fl. Nep. 223.1825

Panjar fide R.R. Stewart (1972, p. 496). Fl. Per.: August-September

### Bignoniaceae

\**Stereospermum colais* (Buch-Ham. ex Dillon) Mabberly

(= *S. suaveolens* DC. Prodr.9:211.1845).

Reported by Parker (For. Fl. Punj.377.1918) from the 'Sub Himalayan tract, Rawalpindi District eastward'. Fl. Per.: May-June.

### Brassicaceae

*Sisymbrium brassiciforme* C.A.Mey. in Ledeb. Fl. Alt. 3:129.1831

Murree-Kohala rd. (R.R. Stewart 12). Fl. Per.: July-August

### Caesalpinaceae

\**Bauhinia vahlii* Wight & Arn. Prodr. Fl. Pen. Ind. Or.297.1834

Tret fide R.R. Stewart (1972, p.374). Vern.: 'taur'. Fl. Per.: April-June

*Cassia absus* L.Sp. Pl. 376.1753

Panjar vy., fide R.R. Stewart (1972, p. 375). Vern.: 'chaksu'. Fl. Per.: September

*C. pumila* Lamk. Encyl. Meth. 1:651.1785

Barakao, Murree rd. (R.R. Stewart 7707; E & Y. Nasir 8591). Fl. Per.: August-September

### Capparidaceae

*Capparis himalayensis* Jafri in Pak. J. For. 6:197,t.1,f.1 b.1956

(= *C. spinosa* var. *himalayensis* (Jafri) Jacobs in Blumea 12(1):419.1965

Rawalpindi (R.R. Stewart & E. Nasir 27912). Fl. Per.: April-May

### Caryophyllaceae

*Silene colorata* Poir. Voy. Barb. 2:163.1789

Rawalpindi, Aitchison 109 fide R.R. Stewart (1972, p. 251).

*S. indica* ssp. *mutans* (Benth.) Ghazanfar in mss.

(= *Lychnis mutans* Benth. in Royle Illustr.80.1835).

Murree, Duthie fide R.R. Stewart (1972, p.247). Fl. Per.: July-August

*Spergula fallax* (Lowe) E.H.L. Krause in Strum. Fl. Deutschl. ed. 2,5:19.1901

Ratter (at Edinburgh) identifies Zuberi coll. no. 1 from Rawalpindi, as this species.

Fl. Per.: February-March.

### Combretaceae

*Terminalia belerica* (Gaertn.) Roxb. Pl. Ciorom. 2:54. t. 198.1805  
Occasionally wild, from the Rawalpindi District eastward. Vern.: 'bahera'. Fl. Per.: April-June.

### Commelinaceae

\**Cyanotis cristata* (L.) Schultes f. Syst. 7:1150.1830  
Panjar vy. (Y. Nasir and F. Bhatti 10151). Fl. Per.: July-September  
*Murdania nudiflorum* (L.) Brenan in Kew Bull.189.1952  
Panjar vy. (R.R. Stewart 28722). Vern.: 'kanshura'. Fl. Per.: August-September

### Compositae

*Ainsliaea latifolia* (D. Don) Schultz, Bip. in Pollichia 18, 19:190.1861  
Charehan, Murree (R.R. Stewart 5203). Fl. Per.: May-June  
*Blumea bifoliata* (L.) DC. in Wight Contrib. Bot. Ind. 14.1834  
Burhan and Charehan, Murree, Coventry fide R.R. Stewart (1972, p. 725).  
*B. membranacea* DC., Prodr. 5:440.1836  
Rawalpindi (R.R. Stewart 13755). Common in Lahore.  
*Tragopogon gracile* D.Don in Mem. Wern. Soc. 3:414.1820  
Margalla (Y. Nasir & Khan 9934). Fl. Per.: April

### Convolvulaceae

\**Merrimia* vel. aff. *palmata* H. Hall., Bot. Jahrb. Syst. 18:112.1893  
Margalla (Y. Nasir & Qaiser 8967). Fl. Per.: September-October

### Cucurbitaceae

*Diplocyclos palmatus* (L.) C. Jeffrey, Kew Bull. 15:32.1962  
Collected from Kahuta, Rawalpindi (E. Nasir & M. A. Siddiqi s.n.). Fl. Per.: August-September

### Cyperaceae

*Cyperus arenarius* Retz Obs.4:9.1786  
Gujranwal, Aitchison fide Sabnis (1941, p. 574).  
*C. brevifolius* (Rottb.) Hassk. Cat. Hort. Boger 24.1844  
Near Sohan bridge, Rawalpindi, Aitchison 240 fide R.R. Stewart (1972, p. 87).

### Dioscoreaceae

*Dioscorea melanophyma* Prain ex Burk ill in J. As. Soc. Beng.4:452.1908  
Margalla top (Y. Nasir 9283). Fl. Per.: August-September.



### Ericaceae

- Lyonia ovalifolia* (Wall.) Drude in Pflanzenr. 4, 1:44.1889  
 Ghora Gali (R.R. Stewart s.n.). Fl. Per.: April-May  
 \**Rhododendron arboreum* Smith Exot. Bot. t. 6, 1804-1805  
 Near Lawrence College, Ghora Gali (R.R. Stewart 1536). Fl. Per.: March-April

### Euphorbiaceae

- Acalypha ciliata* Forssk., Fl. Aegypt-Arab. 162.1775  
 Rawalpindi District, Aitchison fide R.R. Stewart (1972, p. 444). Fl. Per.: August-September  
*Bridelia verrucosa* Haines J. Bot. 59:193.1921  
 Manga-Sangli nala (Y. Nasir and Nazir 9249). Fl. Per.: September  
*Croton sparsiflorus* Morong in Ann. N.Y. Acad. Sci. 9:221.1893  
 Panjar (R.R. Stewart 29022). Fl. Per.: January-February  
*Euphorbia geniculata* (Kl. & Garcke) Ortega, Hort. Matr. Decad. 18.1797  
 Collected from a field below Murree at 1524 m (R.R. Stewart s.n.). Fl. Per.: July-August  
*Phyllanthus urinaria* L.Sp.Pl. 982.1753  
 Panjar, R.R. Stewart 28527. Fl. Per.: August-September

### Fagaceae

- \**Quercus glauca* Thunb. Fl. Jap. 175.1784  
 Company Bagh, Murree (M.A. Siddiqi & Y. Nasir 7225). Vern.: 'Banni, Barin'. Fl. Per.: March-April

### Frankeniaceae

- \**Frankenia pulverulenta* L.Sp. Pl. 332.1753  
 Collected once from near the Pindi Medical College (M.A. Siddiqi 6043). Fl. Per.: March-April

### Haloragidaceae

- \**Myriophyllum verticellatum* L.Sp. Pl. 992.1753  
 Misriot Dam, Rawalpindi (Rashid Ali, s.n.). Fl. Per.: July-August

### Iridaceae

- Iris aitchisoni* var. *chrysantha* Baker in Hook.f.Fl. Brit. Ind. 6:272.1892  
 Sparingly collected from Topi Park and Margalla (R.R. Stewart 12822). Fl. Per.: March-April

### Juglandaceae

- Engelhardtia colebrookia* Lindl. in Wall. Pl. As. Rar. 3:4, t.208.1832  
 Local in Panjar valley (R.R. Stewart 287). Vern.: 'samma'. Fl. Per.: March-April

### Labiatae

*Ajuga macrosperma* Wall. ex Benth. in Wall. Pl. As. Rar. 1:59.1830

Panjar (R.R. Stewart 28558). Fl. Per.: September-October

### Lardizabalaceae

\**Holboelia latifolia* Wall. Tent. Fl. Nepal 24, t.16.1824

Jhicca Gali-Murree bazaar (R.R. Stewart 23519), and Panjar fide R.R. Stewart (1982, p. 136).

Fl. Per.: April-May

### Lentibulariaceae

\**Utricularia cf. aurea* Lour. Fl. Cochinchina. 26.1790

Once noticed in a pond in Topi park fide R.R. Stewart (1957-58, p. 95). April-May

### Liliaceae

\**Eremurus sikesarum* Fedtsch., Mem. Acad. Sc. St. Petersburg. Ser. 8, 23, 8:132.1909

Bani, below Murree, Parker fide R.R. Stewart (1972, p. 51), and Lehtrar (Y. Nasir s.n.). Fl. Per.: March-April

*Lilium polyphyllum* D. Don in Royle, Ill. Bot. Himal. 388.1840

Murree hills (R.R. Stewart 7121). Fl. Per.: March-April

\**Urginea indica* Kunth, Enum. 4:333.1843

Near Jhewra, Kahuta-Karot rd. (Y. Nasir & Khan, s.n.). Fl. Per.: April

### Loranthaceae

*Loranthus pulverulentus* Wall. in Roxb. Fl. Ind (Car. ed.) 2:221.1824

Lehtrar-Jandali rd. (M. Irfanul Haq s.n.). Parasitic on the stem of *Mallotus philippinensis*. Fl. Per.: December

### Lythraceae

\**Ammania verticillata* Ard. Lam. Encyc. 1:131.1783

Collected from near Rawal Dam, in rice field, in October 1979. Honey Bee Project (PARC), collection. Fl. Per.: August-September

### Malvaceae

*Abelmoschus ficulneas* Wight & Arn. Prodr. 1:53.1834

Islamabad (E. & Y. Nasir 8453). Fl. Per.: August-September

\**Abutilon theophrastii* Medic. Malv. Fam. 28.1787

Collected from Rawalpindi only once (R.R. Stewart 16551). Fl. Per.: August-September

*Fioria vitifolia* (L.) Mattei, Bol. R. Orto Bot. Palermo 2:71.1916

Panjar in September, at edge of field (R.R. Stewart 28532). Fl. Per.: July-August



## Moraceae

\**Ficus cunia* Ham. in Roxb. Fl. Ind. (Car. ed.) 2:3:561.1832

Panjar vy. (R.R. Stewart s.n.). Fl. Per.: April

\**E. nerifolia* J.E. Smith var. *nemoralis* (Wall. ex Miq.) Corner ex R.R. Stewart, Annot. Cat. Vasc. Pl. W. Pak. & Kashm. 193.1972

(=*F. nemoralis* Wall. ex Miq., London J. Bot. 7:453.1848).

Murree hills (R.R. Stewart s.n.). Fl. Per.: April

## Myrsinaceae

*Embelia robusta* Roxb. Fl. Ind. 1:587.1820

Panjar and Karot vy. (Y. Nasir & Khan 9477). Vern. 'babring, ambati'. Fl. Per.: July-August

## Orchidaceae

\**Cymbidium macrorhizum* Lindl. Gen. & Sp. Orch. 162.1840

Ghora Gali (Coventry; Y. Nasir s.n.).

\**Eulophia dubia* (D. Don) Hoch in Bull. New York Bot. Gard. 6:270.1910

Known from only one gathering near Rawal Lake (E. & Y. Nasir). 10077). Fl. Per.: April-May

\**E. graminea* Lindl. Gen. & Sp. Orch. 183.1833

Panjar vy. (Y. Nasir s.n.). Fl. Per.: March-April

\**Gastrodia orobanchoides* (Falc.) Benth. in Gen. Pl. 3:617.1883

Murree hills (R.R. Stewart 25367). Fl. Per.: August

\**Habenaria digitata* Lindl. Gen. & Sp. Orch. 307.1835

Collected from Samli (Coventry), and Panjar (R.R. Stewart). Fl. Per.: August-September

\**H. furcifera* Lindl., l.c. 319

Panjar vy. (R.R. Stewart). Fl. Per.: August-September

\**H. marginata* Colebr. in Hook. Exot. Flora 2, t. 136. 1824

Mirpur and Panjar vy. (R.R. Stewart in 10.9.1959). Fl. Per. August-September

\**H. pectinata* D. Don, Prodr. Nepal, 24.1825

Samli (Coventry) and Panjar vy. (E. Nasir 1057). Fl. Per.: August-September

\**H. susannae* (L.) R. Br., Prodr. 312.1810

Bani, below Murree (Coventry), and Panjar (E. Nasir 1057). Fl. Per.: August-September

## Orobanchaceae

\**Aeginetia pedunculata* (Roxb.) Wall. Pl. As. Rar. 3:13, Pl. 219.1832

Panjar vy. (R.R. Stewart and E. Nasir 28956). Fl. Per.: August

\**Orobanche caesia* Reichb. Ic. Fl. Germ. 7:48, tab. 936.1829

(=*O. borealis* Turcz. in Bull. Soc. Nat. Mosc. 420.1842).

Murree fide J.D. Hooker (Fl. Brit. Ind. 4:325.1884). Fl. Per.: June-August

## Papilionaceae

\**Crotalaria spectabilis* Roth, Nov. Pl. Sp. 341.1821

(=*C. sericea* Retz. Obs. 5:26.1789, non Burm.f.1768).

Rawalpindi, Aitchison 576, fide Sabnis (1941, p. 343). Fl. Per.: October-December

*Desmodium laxiflorum* DC., in Ann. sci. Nat. Paris ser. 1,4:100. Jan.1825

Panjar (E. Nasir & M. A. Soddiqi s.n.). Fl. Per.: August-October

*Flemingia bracteata* (Roxb.) Wight, Ic. Ind. Or. t. 268. 1840

Panjar (R.R. Stewart & McVean s.n.). Fl. Per.: October

\**F. congesta* Roxb. ex Aiton, Hort. Kew ed. 2(4): 349. 1812

(=*F. prostrata* Roxb., Fl. Ind. 3:338.1832).

Panjar (R.R. Stewart 28536). Fl. Per.: September

\**F. semi-alata* Roxb. ex Aiton, Hort. Kew ed. 2(4): 349.1812

Panjar (R.R. Stewart 28535). Fl. Per.: August-September

*Lespedeza floribunda* Bunge, Pl. Monog. Chin. 13.1833

Murree hills, Fleming fide R.R. Stewart (1957-58, p. 38).. Fl. Per.: July-August

\**Medicago falcata* L. Sp. Pl. 779.1753

Rawalpindi, Aitchison 364 fide Sabnis (1941, p. 344). Vern.: 'yellow lucerne'. Fl. Per.: March-August.

\**Shutteria involucreta* (Wall.) Wight & Arn. Prodr. 1:207.1834

Panjar (R.R. Stewart 28655). Fl. Per.: November-December

*Uraria picta* (Jacquin) Desv. ex DC., Prodr. 2:324.1824

Panjar (R.R. Stewart 29030), and Kahuta-Karot rd. (Y. Nasir 9183). Fl. Per.: July-September

*Vigna dalzelliana* (O. Kuntze) Verdc. in Kew Bull. 24:558.1970

Panjar (R.R. Stewart 28529; Y. Nasir 10159). Fl. Per.: August-September

### Palmae

*Nannorrhops rithiciana* H. Wendl. in Bot. Zeit. 37:148.1879

Margalla (R.R. Stewart s.n.) Fl. Per.: August-November

### Poaceae

*Agropogon lutosus* (Poir.) P. Fourn. in Le Monde des Plantes 36 (no. 213): 20.1935

Murree at 7000', Trotter fide Cope (1982, p. 471). Fl. Per.: May-July

*Agrostis gigantea* Roth, Tent. Fl. Germ. 1:31.1788

Upper Topa, A.R. Beg in 7.7.1949, fide Cope (1982, p. 481). Fl. Per.: July-August

*A. vinealis* Schreb., Spicil. Fl. Lips. 47.1771

Murree at 7500', Trotter fide Cope (1982, p. 478). Fl. Per.: July-August

\**Brachiaria deflexa* (Schumacher) C.E. Hubbard ex Robyns in Bull. Jard. Bot. Etat Brux. 9:181.1932

Tret, R.R. Stewart 7507, fide Cope (1982p. 206). Fl. & Fr. Per.: July-October

\**Bromus tectorum* L. Sp. Pl. 1:77. 1753

Rawalpindi, Wingate fide Sabnis (1941, p. 586). Fl. Per.: April

*Chionachne koenigii* (Spreng.) Thw., Enum. Pl. Zeyl. 357. 1864

Tret area (A.R. Khan in 20.8.1952) and (R.R. Stewart s.n.).

*Cymbopogon commutatus* (Steud.) Stapf. in Kew. Bull. 1907:211.1907

(=*C. parkeri* Stapf in Kew Bull. 1929:10.1929).

Rawalpindi, R.R. Stewart 13796 fide Cope (1982, p. 331). Vern.: 'sargarah, hawaii'. Fl. &



Fr. Pr.: April-October

*C. pospischilii* (K. Schum.) C.E. Hubbard in Kew Bull. 4:175.1949

Murree rd., Gentry 14022 fide Cope (1982, p. 331). Fl. & Fr. Per.: April

*Cynodon arcuatus* Presl, Rel. Haenk. 1:290.1930

Topi park, R.R. Stewart 23432 fide Cope (1982, p. 118).

*Danthonia schneideri* Pilger in Fedde Repert. 17:131.1921

Murree hills, R.R. Stewart 29165, fide Cope (1982, p. 35). Fl. & Fr. Per.: July-September

*Dendrocalamus strictus* (Roxb.) Nees in Linnaea 9:476.1834

Local in Chattr, Murree rd. (R.R. Stewart 25727). Fl. Per.: November-April, Vern.: 'bans'.

*Dichanthium foveolatus* (Del.) Roberty in Boissiera 9:170.1960

Margalla and Topi Park, R.R. Stewart nos. 23676; 21387; 25712 and 15110 A, fide Cope (1982, p. 280). Vern.: 'ghandel'. Fl. Per.: March-April

*Digitaria sanguinalis* (L.) Scop., Fl. Carn. ed. 2, 1:52.1772

Bhurban, R.R. Stewart 28615 fide Cope (1982, p. 232). Fl. & Fr. Per.: July-September

*D. setigera* Roth ex Roem. & Schult., Syst. Veg. 2:474.1817

Rawalpindi, R.R. Stewart nos. 23666; 21895, fide Cope (1982, p. 226). Fl. & Fr. Per.: September

*Enneapogon schimparianus* (Hochst. ex A. Rich) Renvoise in Kew Bull. 22:400.1968

(= *E. elegans* (Nees ex Steud.) Stapf in Kew Bull. 1907:224.1907).

Rawalpindi, R.R. Stewart in May 1926, fide Cope (1982, p. 58).

*Eragrostis tremula* Hochst ex Steud., Syn. Pl. Glum. 1:269.1854

'S. of Gujar Khan', MacVean in March 1960, fide Cope (1982, p. 99). Fl. & Fr. Per.: March-November

*\*Isilema prostratum* (L.) Anders. in Nova Acta R. Soc. Scient. Upsal. Ser. 3, 2:251.1856

Rawalpindi, fide Tuthie fide R.R. Stewart (1957-58, p. 154). Vern.: 'chat'.

*Milium effusum* L. Sp. Pl. 1:61.1753

Murree, Trotter 51 G, fide Cope (1982, p. 527). Fl. & Fr. Per. July-August

*Neyraudia arundinacea* L. Sp. Pl. 1:55.1753

Panjar, R.R. Stewart 28590 fide Cope (1982, p. 70)

*\*Panicum trypheron* Schult., Mant. 2:244.1824

Murree fide R.R. Stewart (1972, p. 121).

*\*Parapholis incurva* (L.) C.E. Hubbard in Blumea, Suppl. 3:14.1946

Topi park, R.R. Stewart 13749, fide Cope (1982, p. 558). Fl. & Fr. Per.: April-May

*\*Phalaris arundinacea* L. Sp. Pl. 1:55.1753

Murree, Trotter nos 63; 63 G, fide Cope (1982, p. 495). Fl. & Fr. Per.: May-July

*Piptatherum hilariae* Pazif in Bot. Mater. Gerb. Bot. Akad. Nauk Uzbeksh. SSSR. 10:

(= *Oryzopsis wendelboi* Bor in Nytt Mag. Bot. 1:16.1952).

Murree at 7000<sup>i</sup>, Trotter 29, fide Cope (1982, p. 554). Fl. & Fr. Per.: May-August

*\*Saccharum ravennae* (L.) Murra, Syst. Veg. 88. 1774

Rawalpindi, R.R. Stewart 10113, fide Cope (1982, p. 266). Vern.: 'dholu'. Fl. & Fr. Per.: August-September

*\*Sporobolus nervosus* Hochst. in Flora, Jena 38:202.1855

(*Sporobolus stocksii* Bor in Kew Bull. 1948:45.1948).

Collected from near a pond, Rawalpindi (R.R. Stewart 10152).

*Thysanolaena maxima* (Roxb.) O. Ktze., Rev. gen. Pl. 2:794.1891

Panjar vy. (R.R. Stewart & E. Nasir 28956). Fl. & Fr. Per.: March-April



**Polygalaceae**

- \*Polygala tatarinowii* Regel in Bull. Soc. Mosc. 34(4):523.1861  
Panjar (R.R. Stewart 28524). Fl. Per.: August-September

**Polygonaceae**

- \*Polygonum chinense* L. Sp. Pl. 363.1753  
Near the CDA nursery, Islamabad, (Q. Fatima & W. Khan s.n.).

**Ranunculaceae**

- Ranunculus diffusus* DC., Prodr. 1:38.1824  
Murree, (R.R. Stewart 3888). Fl. Per.: April-July

**Rosaceae**

- Prunus cerasioides* D. Don, Prodr. Fl. Nep. 1825  
(= *P. puddum* Roxb. ex Wall. Pl. As. Rar. 2:37, t. 143.1831).  
Margalla hills (Y. Nasir 10083), and Murree (Asghar Ali s.n.). Fl. Per.: August-September

**Rubiaceae**

- Oldenlandia coccinea* Royle, Ill. Bot. Himal. 241, t. 53.1835  
Patriata, Murree hills, Coventry fide R.R. Stewart (1972, p. 688). Fl. Per.: August-September  
*O. nudicaulis* Roth, Sp. Nov. 95. 1821  
Panjar vy. (Y. Nasir & Fazal Bhatti, s.n.). Fl. Per.: August  
*\*Pavetta tomentosa* Roxb. Sm. in Rees Cyclop. 26(2). 1819  
Rawalpindi District eastward, fide Parker (For. Fl. Punj. 281, 1918). Fl. Per.: April-June  
*\*Randia spinosa* (Thunb.) Poir. in Lamk. Encycl. Suppl. 2, 829. 1812  
(= *R. dumetorum* (Gaertn.) Lamk. Tab. Encycl. 2:227.1793).  
Karot vy. (M. A. Siddiqi & Y. Nasir s.n.). Fl. Per.: April-June  
*\*Wendlandia puberula* DC., Prodr. 4:412.1830  
Lehtrar and Manga Sangli, below Tret (Y. Nasir 9951). Fl. Per.: July-August

**Sabiaceae**

- \*Meliosma simplicifolia* (Roxb.) Walpers, Repert. 1:103.1842  
(= *M. pungens* auct. non Wall. ex Walpers, Repert., L; 423.1842; Parker, For. Fl. Punj. 110.  
1918 Margalla top (Y. Nasir 10094). Fl. Per.: May-June

**Santalaceae**

- Thesium himalayense* Royle ex Edgew. in Trans. Linn. Soc. 20:88,18  
Margalla, Vicary fide R.R. Stewart (1972, p. 199, det. as *T. multicaule* Ledeb.). Fl. Per.:  
April



**Scrophulariaceae**

*Lindernia ciliata* (Colsm.) Pennel, J. Arn. Arb. 24:253.1943

Karot vy. (M. A. Siddiqi & Y. Nasir 6086). Fl. Per.: August–September

\**Striga lutea* Lour. Fl. Cochinch. 22.1990

Margalla top (Y. Nasir 9386). Fl. Per.: November–December

**Tiliaceae**

*Grewia elastica* Royle, Illustr. Bot. Himal. 1:104, t. 22.1834

Saidpur (R.R. Stewart 14728). Vern.: 'dhaman'.

\**G. sapida* Roxb. ex DC., Prodr. 1:512.1824; Parker, For. Fl. Punj. 54.1918

Reported by Parker (l.c.) from the 'Rawalpindi pine forests'. Fl. Per.: April–May

**Umbelliferae**

\**Bupleurum croceum* Fenzl Pugill. Pl. Nov. Syr. 16.1842

Collected only once from a Rawalpindi graveyard (Shaukat Ali and M.A. Siddiqi 26155). Fl. Per.: April–May

*Heracleum canescens* Lindl. in Royle, Ill. Bot. Himal. Mount. 232.1835

Murree hills fide R.R. Stewart (1972, p. 519). Fl. Per.: April

*Seseli diffusum* (Roxb. ex Sm.) Santapau and Wagh in Bull. Bot. Surv. Ind. 5:108.1963

(= *S. indicum* Wight & Arn. in Prodr. Fl. Penin Ind. 1:371.1834).

Kahuta fide Bamber (1916, Pl. Punj, p. 395). An escape? Vern.: 'banjaon'. Fl. Per.: April

**Urticaceae**

*Oreochnide frutescens* (Blume) Miq. in Ann. Mus. Bot. Lugd. 3:131.1867

Karor (E. & Y. Nasir 8319). Fl. Per.: March–April

*Urtica pilulifera* L. Sp. Pl. 983.1753

Near Sihala, Rawalpindi. Collection seen at the National Health Laboratories. Fl. Per.: August–September

**Valerianaceae**

\**Valerianella muricata* (Stev.) Baxt. in London, Hort. Brit. Suppl. 3:654.1839

Broha, S.W. of Chattar (Y. Nasir & S. Ghanzafar 9999). Fl. per.: March–April

**Verbenaceae**

\**Premna barbata* Wall. ex Schauer in DC., Prodr. 11:636.1847; Parker For. Fl. Punj. 399.1918

Karot vy. (M. A. Siddiqi & Y. Nasir 7230). Vern.: 'ganhila'. Fl. Per.: April–May

**Vitaceae**

*Vitis* vel aff. *capreolata* D. Don Prodr. Fl. Nep. 188.1825; Parker, For. Fl. Punj. 99.1918

(? *V. affinis* Gagnep. ex Osmaston, For. Fl. Kumaon 119.1927).

Margalla top (Y. Nasir 10125). Fl. Per.: August–September

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