

Gustav Mann's Contribution to "ASSAM" Herbarium, Shillong, Meghalaya, India

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Abstract

The ASSAM has been acting as a regional herbarium of Northeastern India since long. It is flourished with the age old collection made from composite Assam by renowned botanists to be mentioned as Gustav Mann, U. N. Kanjilal, P.C. Kanjilal, N. L. Bor, A. Das, C. S. Purkayastha, R. N. De, B. C. Sengupta, G. K. Deka, and others. Studies on the flora of North East India was actually initiated by Gustav Mann, the first conservator of forest of Assam. Now ASSAM harbours more than 2,65,000 herbarium sheets from the flora of North East India and Bangladesh. The paper presents a complete list of Gustav Mann's 150 years (about) old collection from different locations of composite Assam housed at ASSAM. A total number of 1092 species belonging to 620 genera and 159 families has been recorded. The current scientific name and detailed field data of each species are provided.

Key words: Gustav Mann, Flora of North East India, ASSAM, Botanical Survey of India.

INTRODUCTION

"ASSAM" is the acronym of the Herbarium of Botanical Survey of India, Eastern Regional Centre, Shillong. It was established in 1956 with the transfer of *ca* 40,000 specimens, comprising the erstwhile 'Assam Forest Herbarium'. Since then it has been enriched and increased manifolds basically through the concerted efforts of the scientist of the Department. At present it harbours *ca* 2, 65,000 specimens of Angiosperms, Gymnosperms and Pteridophytes which include some historical collections of Gustav Mann, U. N. Kanjilal, P.C. Kanjilal, N. L. Bor, A. Das, C. S. Purkayastha, R. N. De, B. C. Sengupta, G. K. Deka, and others. Besides, the ASSAM has the large collection of lichens (13,000 specimens) and bryophytes (11,000 specimens) in India (Murty & Singh 1994).

Gustav Mann was born in 1836 at Hanover and died in 1916 at Munich, Germany. He became a gardener at the Royal Botanic Garden, Kew, in 1859. He was also engaged as botanist in Niger and West Africa Expedition by William Jackson Hooker, the then Director of the Royal Botanic Garden, Kew. In 1863, Gustav Mann joined the Indian Forest Service and remained as Conservator of Forests in Assam for many years. During his tenure as conservator of Forest of Assam (1870 – 1885), Gustav Mann started the systematic collection of plants from the former Assam (consisted of entire north eastern province of India and many parts of present day's Bangladesh) with the instruction from D. Brandis, the then Inspector General of Forest, stationed at Dehra Dun who was working for the monumental work *Indian Trees* (1907) and preserved a duplicate set of specimens at Shillong, then

Headquarter of Assam forest department, for further reference leading to the establishment of "Assam Forest Herbarium". Though earlier collections were made in the rich forest of Assam by Wallich, Griffith, Hooker and others, the specimens were deposited either at Sibpur or elsewhere. Only the collections of Gustav Mann formed the nucleus of the Assam Forest Herbarium (Swaminathan & Joseph 1985). Most of his collected plant specimens are scientifically preserved in ASSAM and have been playing as the vital ready references for plant identification for more than a century. The ASSAM is now acting as a regional herbarium of Northeastern India.

A perusal of literatures (Deb 1994; Vickery 1994) implies that Botanical exploration in India was initiated by William Roxburgh during his tenure (1793 – 1817) as the Superintendent of Botanic Garden, Calcutta. He detailed his sons- William, Jhon, Bruce and other staff for the collection of plants from Sylhet, Chittagong the then parts of Assam, along with many other regions of India. Nathaniel Wallich the Superintendent of the Garden for 30 years (1817 – 1846) undertook extensive survey of Indian sub-continent. So far as former Assam is concerned, botanical collections were made by Wallich from many parts viz. Sylhet, Chittagong, Meghalaya (1826); Brahmaputra valley (1836). Besides he had collectors to send him plants from composite Assam viz., Buchanan Hamilton for Assam; M. R. Smith for Sylhet, Khasi & Jaintia hills; Francis de Silva for Sylhet, Khasia & Jaintia Hills; Hendry Bruce for Chittagong, Sylhet; A. Mahmood for Chittagong; D. Scott for Manipur; etc. William Griffith, who was the Superintendent of the Garden from December 1842 to August 1844, when Wallich was on leave also undertook botanical exploration in many parts of Composite Assam. Later on, Thomas Thomson accompanied with J. D. Hooker, explored the Eastern Himalaya, Sikkim (3500 spp.); North East India (1000 spp.); Khasi and Jaintia Hills (3000 spp.); Sylhet and Chittagong; during the years 1848 – 1851. Exploring many other parts of India, they left for England in February, 1851 with 1, 50,000 specimens. Sir George King the Superintendent of the Garden for 26 years (1871 – 1897) also explored in Eastern Himalaya, Brahmaputra Valley, Meghalaya, Cachar etc. of North East India. Thus lots of collections were made for Natural History Museum, London and Central National Herbarium, Calcutta from Northeastern province of the country. But, Gustav Mann was the first to make organized collections mainly for understanding the rich forest flora of N. E. India. He was succeeded by U.N. Kanjilal, P.C. Kanjilal and his colleagues A. Das, C. Purkayastha and R. N. De, all forest officers and their efforts resulted in the publication of the '*Flora of Assam*' (1934 – 1940) the only regional flora to be compiled by Indian authors (Haridasan & Rao 1985).

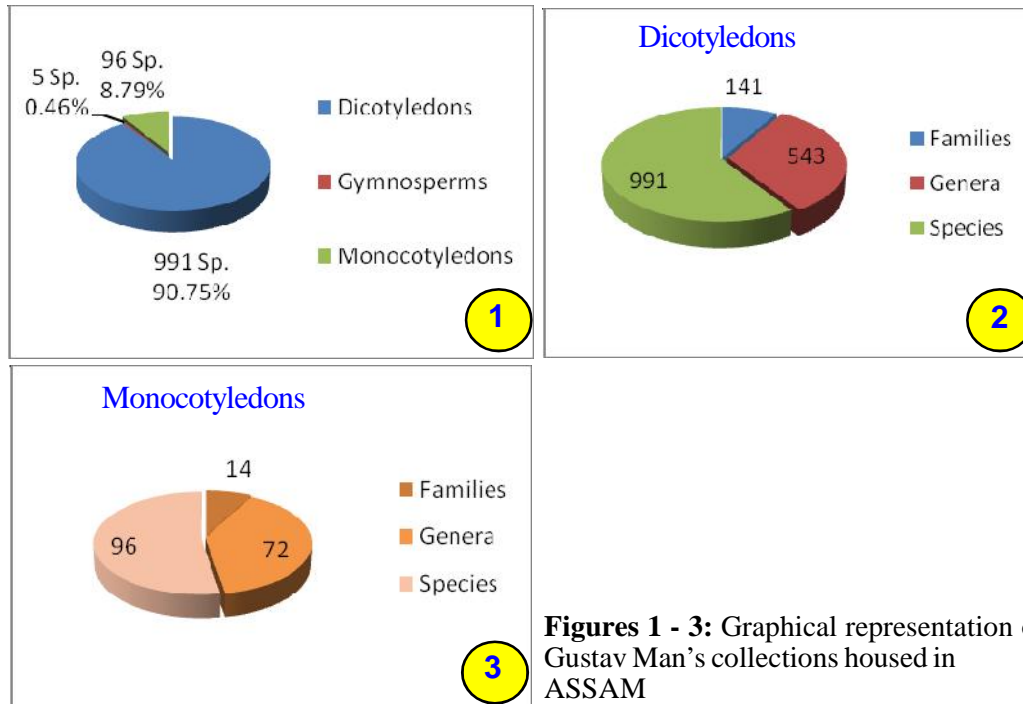
The present work was an attempt to make a complete list of plants of Gustav Mann's more than a century old collection from composite Assam preserved in ASSAM. And, thus 1092 species of plants which are screened out from the 'ASSAM' enumerated in this paper with current scientific names of the species, field data and accession number at ASSAM. This work will be helpful to the foresters, field botanists, conservationists and researchers to judge their present status in their earlier site of collections which were carried out about 150 years ago and thus to formulate conservational strategies.

MATERIALS AND METHOD

A total number of 2, 65,000 herbarium sheets were screened at ASSAM to find out all the collections of Gustav Mann. The botanical names were recorded with detail field data and accession number. The families have been arranged in the list according to Bentham & Hooker's (1862 – 1883) system of classification with modifications followed at Kew and British Museum. The current scientific names of the species have been given by consulting the latest literatures.

RESULT AND DISCUSSION

A total number of 1092 species (Angiosperms and Gymnosperms) belonging to 620 genera and 159 families has been recorded in ASSAM from the collections of Gustav Mann. Of these, 991 species are dicots (543 genera, 141 families), 96 monocots (72 genera, 14 families) and 5 Gymnosperms (5 genera, 4 families) [Fig. 1, 2 & 3]. The 5 foremost families of dicots are Fabaceae (70 species, 37 genera), followed by Rubiaceae (65 species, 40 genera), Asteraceae (61 species, 38 genera), Moraceae (37 species, 3 genera) and Lamiaceae (34 species, 19



Figures 1 - 3: Graphical representation of Gustav Mann's collections housed in ASSAM

genera). On the other hand, among the monocots the 5 dominant families are Poaceae (20 species, 16 genera), Cyperaceae (15 species, 7 genera), Orchidaceae (14 species, 12 genera), Zingiberaceae (14 species, 10 genera) and Liliaceae (13 species, 10 genera) respectively. In Gymnosperms, only 4 families have been recorded of which Podocarpaceae comprises of 2 species while Pinaceae, Taxaceae and Taxodiaceae comprises of 1 species in each. Maximum collections were made from Meghalaya (Garo Hills, Jaintia Hills, Khasi Hills) representing 645 species followed by Assam by 294 species (Cachar, Goalpara, Kamrup, Lakhimpur, Lower Assam, Upper Assam, Upper Dehing, etc.). Besides, 27 species are also recorded those were collected from Sylhet, now forms the part of Bangladesh.

ENUMERATION

DICOTYLEDONS

Ranunculaceae

Anemone rivularis Buchanan-Hamilton *ex* DC.; Khasi Hills, July 1878, G. Mann G 28/9612, Acc. No. 54; Jun. 1878, G. Mann G 29/9613, Acc. No. 60; June 1876, G. Mann G 33/9617, Acc. No. 56; G. Mann G 26/9610.

Clematis acutangula Hooker f. & Thomson; Khasi Hills, Oct. 1878, G. Mann G 20/9604, Acc. No. 12; G. Mann G 18/9602, Acc. No. 41700; G. Mann G 19/9603 Acc. No. 13.

Clematis buchananiana DC.; Khasi Hills, December 1878, G. Mann- G 14/9598, Acc. No. 41707; November 1878, G. Mann G 10/9594, Acc. No. 41708.

Clematis cadmia Buchanan-Hamilton ex Hooker f. & Thomson; Sylhet, April 1877, G. Mann G 8/9592, Acc. No. 41632; Lakhimpur, February 1878, G. Mann G 6/9590, Acc. No. 41631.

Clematis gouriana Roxburgh ex DC.; Khasi Hills, ?, G. Mann G 24/9608, Acc. No. 23.

Clematis grewiflora DC.; Khasi Hills, 1877, G. Mann G 9/9593, Acc. No. 37919.

Delphinium altissimum Wallich; Khasi Hills, October 1877, G. Mann G 47/9631, Acc. No. 121; November 1885, G 43/9627, Acc. No. 124.

Ranunculus diffusus DC.; Khasi Hills, ?, G. Mann G 38/9622, Acc. No. 106.

Thalictrum foliolosum DC.; Khasi Hills, ?, G. Mann G 37/9621, Acc. No. 75.

Dilleniaceae

Dillenia pentagyna Roxburgh; Lower Assam, March 1876, G. Mann G50/9641, Acc. No. 153; Kamrup, Mar. 1878, G. Mann G49/9640, Acc. No. 147.

Magnoliaceae

Magnolia caveana (Hooker f. & Thomson) D.C.S. Raju & M.P. Nayar; Khasi Hills, May 1890, G. Mann s. n., Acc. No. 295.

Magnolia champaca (Linnaeus) Baillon ex Pierre; Khasi Hills, July 1890, G. Mann s. n., Acc. No. 326.

Magnolia griffithii Hooker f. & Thomson; Digboi, January 1891, G. Mann 02, Acc. No. 240.

Magnolia insignis Wallich; Shillong Peak, January 1886, G. Mann- s. n., Acc. No. 166.

Magnolia oblonga (Wallich ex Hooker f. & Thomson) Figlar; Tinsukia, September 1890, G. Mann s. n., Acc. No. 381.

Magnolia pealiana King; Lakhimpur, January 1891, G. Mann s. n., Acc. No. 252.

Magnolia pterocarpa Roxburgh; Jaintia Hills, Mar. 1890, G. Mann s. n., Acc. No. 201.

Illiciaceae

Illicium griffithii Hooker f. & Thomson; ?, August 1885, G. Mann s. n., Acc. No. 170.

Schisandraceae

Kadsura heteroclita (Roxburgh) W.G. Craib; Khasi Hills, January 1879, G. Mann s. n., Acc. No. 471.

Schisandra neglecta A.C. Smith; Khasi Hills, August 1886, G. Mann s. n., Acc. No. 447.

Annonaceae

Dasymaschalon longiflorum (Roxburgh) Finet & Gagnepain; Cachar, March 1875, G. Mann s. n., Acc. No. 524.

Goniothalamus sesquipedalis (Wallich) Hooker f. & Thomson; Khasi Hills, June 1879, G. Mann s. n., Acc. No. 614.

Goniothalamus simonsii Hooker f. & Thomson; Khasi Hills, June 1876, G. Mann s. n., Acc. No. 622.

Miliusa roxburghiana Hooker f. & Thomson; Upper Dehing, March 1880, G. Mann s. n., Acc. No. 751; Dysung forest, March 1885, G. Mann s. n., Acc. No. 753.

Polyalthia longifolia (Sonnerat) Thwaites; Guwahati, November 1878, G. Mann *s. n.*, Acc. No. 558.

Polyalthia rumphii (Blume *ex* Henschel) Merrill; Khasi Hills, May 1877, G. Mann 183, Acc. No. 583.

Polyalthia simiarum (Buchanan-Hamilton *ex* Hooker *f.* & Thomson) Bentham *ex* Hooker *f.* & Thomson; ?, ?, G. Mann *s. n.*, Acc. No. 505.

Menispermaceae

Cissampelos pariera Linnaeus; Khasi Hills, October 1886, G. Mann *s. n.*, Acc. No. 838.

Parabaena sagittata Miers; Khasi Hills, ?, G. Mann 171, Acc. No. 814.

Pericampylus glaucus (Lamarck) Merrill; Khasi Hills, June 1877, G. Mann 124, Acc. No. 845

Pycnarrhena planiflora Miers *ex* Hooker *f.* & Thomson; ?, ?, G. Mann *s. n.*, Acc. No. 907.

Berberidaceae

Berberis wallichiana DC.; Khasi Hills, November 1873, G. Mann *s. n.*, Acc. No. 942.

Mahonia napaulensis DC.; Khasi Hills, September 1885, G. Mann *s. n.*, Acc. No. 925.

Nymphaeaceae

Nymphaea lotus var. *pubescens* (Willdenow) Hooker *f.* & Thomson; Cachar, November 1878, G. Mann *s. n.*, Acc. No. 966.

Brassicaceae

Cardamine hirsuta Linnaeus; Khasi Hills, August 1885, G. Mann *s. n.*, Acc. No. 103.

Capparaceae

Capparis olacifolia Hooker *f.* & Thomson; Kamrup, March 1878, G. Mann 818, Acc. No. 1134, 1133.

Capparis zeylanica Linnaeus; Goalpara, March 1876, G. Mann 82, Acc. No. 37445.

Crateva religiosa G. Forster; Kamrup, March 1878, G. Mann 821, Acc. No. 1083.

Stixis suaveolens (Roxburgh) Pierre; Lakhimpur, March 1880, G. Mann *s. n.*, Acc. No. 1174; Sibsagar, March 1879, G. Mann *s. n.*, Acc. No. 1172.

Tarenaya hassleriana (Chodat) Iltis; Plains of Assam,?, G. Mann 408, Acc. No. 1057; Sylhet April 1881, G. Mann *s. n.*, Acc. No. 1065.

Violaceae

Viola betonicifolia Smith; Sylhet, April 1877, G. Mann *s. n.*, Acc. No. 1188; Khasi Hills, May 1877, G. Mann 516, Acc. No. 1189.

Flacourtiaceae

Flacourtia indica (Burman *f.*) Merrill; Guwahati, December 1873, G. Mann- 50, Acc. No. 1229.

Gynocardia odorata R. Brown; Khasi Hills, June 1877, G. Mann 287, Acc. No. 1328.

Xylosma longifolia D. Clos; Lower Assam, March 1876, G. Mann- 38, Acc. No. 1319.

Pittosporaceae

Pittosporum humile Hooker *f.* & Thomson; Khasi Hills, May 1878, G. Mann 764, Acc. No. 1476

Pittosporum kerrii W.G. Craib; Khasi Hills, June 1877, G. Mann 156, Acc. No. 1512, 1514.

Pittosporum napaulense (DC.) Rehder & E.H. Wilson; Khasi Hills, July 1881, G. Mann s. n., Acc. No. 1513.

Pittosporum podocarpum Gagnepain; Khasi Hills, April 1878, G. Mann s. n., Acc. No. 1483.

Polygalaceae

Polygala arillata Buchanan-Hamilton ex D. Don; Khasi Hills, May 1876, G. Mann 207, Acc. No. 1578.

Polygala crotalarioides Buchanan-Hamilton ex DC.; Khasi Hills, May 1876, G. Mann s. n., Acc. No. 1521.

Polygala longifolia Poiret; Khasi Hills, G. Mann s. n., Acc. No. 1531.

Polygala persicariifolia DC.; Khasi Hills, August 1879, G. Mann 506, Acc. No. 1542.

Polygala sibirica Linnaeus; Khasi Hills, April 1878, G. Mann 863, Acc. No. 1526.

Caryophyllaceae

Drymaria cordata (Linnaeus) Willdenow ex Roemer & Schultes; Khasi Hills, November 1877, G. Mann 629, Acc. No. 1635.

Stellaria monosperma Buchanan-Hamilton ex D. Don; Khasi Hills, ?, G. Mann 80, Acc. No. 1597.

Stellaria vestita Kurz; Khasi Hills, 1876, G. Mann 192, Acc. No. 1611.

Stellaria wallichiana Haines; Khasi Hills, June 1876, G. Mann 530, Acc. No. 1603, 1604.

Portulacaceae

Portulaca oleracea Linnaeus; ?, ?, G. Mann s. n., Acc. No. 1684.

Hypericaceae

Hypericum elodeoides Choisy; Jaintia Hills, August 1883, G. Mann s. n., Acc. No. 1765.

Hypericum hookerianum Wight & Arnott; Khasi Hills, June 1878, G. Mann s. n., Acc. No. 1737.

Hypericum japonicum Thunberg; Khasi Hills, June 1876, G. Mann 342, Acc. No. 1790.

Hypericum patulum Thunberg; Khasi Hills, June 1876, G. Mann 285, Acc. No. 1752, 1751.

Clusiaceae

Calophyllum polyanthum Wallich ex Choisy; Khasi Hills, ?, G. Mann- s. n. Acc. No. 1955.

Garcinia anomala Planchon & Triana; Jaintia Hills, March 1878, G. Mann 857, Acc. No. 1879

Garcinia cowa Roxburgh; Khasi Hills, Apr. 1877, G. Mann- 248, Acc. No. 1811.

Garcinia lanceifolia Roxburgh; Sibsagar, Feb. 1882, G. Mann s. n., Acc. No. 1708.

Garcinia pedunculata Roxburgh ex Buchanan-Hamilton; ?, ?, G. Mann 41, Acc. No. 1716.

Garcinia sopsopia (Buchanan-Hamilton) Mabberley; Garo Hills, December 1880, G. Mann s. n., Acc. No. 1859.

Garcinia xanthochymus Hooker f.; ?, ?, G. Mann s. n., Acc. No. 1936.

Mesua ferrea Linnaeus; Plains of Assam, April 1878, G. Mann 30, Acc. No. 1968.

Mesua floribunda (Wallich) Kostermans; Cachar, ?, G. Mann s. n., Acc. No. 1954.

Theaceae

- Adinandra mannii* Oliver; Khasi Hills, July 1881, G. Mann *s. n.*, Acc. No. 2002.
Camellia kissi Wallich; Khasi Hills, July 1878, G. Mann 1163, Acc. No. 2369; NC Hills, November 1883, G. Mann *s. n.*, Acc. No. 2330.
Eurya acuminata DC.; Khasi Hills, July 1878, G. Mann 1098, Acc. No. 2039.
Eurya japonica Thunberg; Khasi Hills, April 1878, G. Mann 869, Acc. No. 2068.
Pyrenaria barringtoniifolia Seemann; Darrang, March 1877, G. Mann 722, Acc. No. 2258.
Schima wallichii (DC.) Korthals; Khasi Hills, April 1878, G. Mann 882, Acc. No. 2235.
Schima wallichii var. *khasiana* (Dyer) Bloembergen; Khasi Hills, July 1877, G. Mann 324, Acc. No. 2211.
Ternstroemia japonica (Thunberg) Thunberg; Khasi Hills, 1878, G. Mann 542, Acc.No. 1983.

Actinidiaceae

- Actinidia callosa* Lindley; Khasi Hills, August 1886, G. Mann *s. n.*, Acc. No. 2131.

Saurauiceae

- Saurauia macrotricha* Kurz *ex* Dyer; Khasi Hills,?, G. Mann- 296, Acc. No. 2153.
Saurauia punduana Wallich; Khasi Hills, May 1878, G. Mann 849, Acc. No. 2100.
Saurauia roxburghii Wallich; Kamrup, January 1878, G. Mann- 526, Acc. No. 2143.

Dipterocarpaceae

- Dipterocarpus gracilis* Blume; Sylhet, March 1886, G. Mann *s. n.*, Acc. No. 2401.
Dipterocarpus turbinatus Gaertner; Barak Forest, May 1885, G. Mann *s. n.*, Acc. No. 2399.
Shorea assamica Dyer; Makum forest, August 1890, G. Mann *s. n.*, Acc. No. 2432.
Shorea robusta Gaertner; ?, April 1876, G. Mann *s. n.*, Acc. No. 2423.
Vatica lanceifolia (Roxburgh) Blume; Katakhal forest, May 1885, G. Mann *s. n.*, Acc. No. 2454.

Malvaceae

- Abelmoschus moschatus* Medikus; Khasi Hills,?, G. Mann 21, Acc. No. 2542.
Hibiscus scandens Roxburgh; Khasi Hills, April 1877, G. Mann 16, Acc. No. 2605.
Kydia calycina Roxburgh; Sylhet, March 1886, G. Mann *s. n.*, Acc. No. 2638.
Kydia glabrescens Masters; Upper Dehing, January 1878, G. Mann 515, Acc. No. 2647.
Sida rhombifolia Linnaeus; Khasi Hills, November 1877, G. Mann 418, Acc. No. 2509.
Urena lobata Linnaeus; Plains of Assam, November 1877, G. Maan 451, Acc. No. 2529.

Sterculiaceae

- Firmiana colorata* (Roxburgh) R. Brown; Kamrup, March 1878, G.Mann 815, Acc.No. 2788.
Heritiera papilio Beddome; Cachar, March 1885, G. Mann *s. n.*, Acc. No. 2805.
Pterospermum acerifolium (Linnaeus) Willdenow; Kamrup, November 1879, G. Mann *s. n.*, Acc. No. 2870.
Pterospermum lanceifolium Roxburgh; ?, ?, G. Mann *s. n.*, Acc. No. 2838.
Reevesia pubescens Masters; Khasi Hills, July 1877, G. Mann 272, Acc. No. 2827.

Sterculia hamiltonii (Kuntze) Adelbert; Khasi Hills, July 1877, G. Mann 266, Acc. No. 2744.

Sterculia lanceifolia Roxburgh; Sibsagar, March 1880, G. Mann *s. n.*, Acc. No. 2709.

Sterculia villosa Roxburgh; Cachar, February 1885, G. Mann *s. n.*, Acc. No. 2684.

Tiliaceae

Grewia eriocarpa Jussieu; Lower Assam, April 1876, G. Mann 708, Acc. No. 2952.

Grewia multiflora A. Jussieu; Nambar forest, May 1884, G. Mann *s. n.*, Acc. No. 2910.

Grewia nervosa (Loureiro) Panigrahi; Khasi Hills, July 1886, G. Mann *s. n.*, Acc. No. 2992.

Grewia sapida Roxburgh *ex DC.*; Plains of Assam, April 1876, G. Mann *s. n.*, Acc. No. 3012.

Grewia serrulata DC.; Khasi Hills, July 1877, G. Mann 315, Acc. No. 2924.

Triumfetta annua Linnaeus; Khasi Hills, August 1879, G. Mann *s. n.*, Acc. No. 3055.

Triumfetta cana Blume; ?, ?, G. Mann- 236, Acc. No. 3048.

Triumfetta rhomboidea Jacquin; Plains of Assam, November 1877, G. Mann 454, Acc. No. 3051.

Elaeocarpaceae

Elaeocarpus floribundus Blume; Khasi Hills, June 1876, G. Mann *s. n.*, Acc. No. 3130.

Elaeocarpus lanceifolius Roxburgh; Khasi Hills, July 1876, G. Mann 432, Acc. No. 3189.

Elaeocarpus macrocerus (Turczaninow) Merrill; Sibsagar, May 1886, G. Mann *s. n.*, Acc. No. 3334.

Elaeocarpus obtusus Blume; Darrang, ?, G. Mann 59, Acc. No. 3332.

Elaeocarpus rugosus Roxburgh *ex G. Don*; Nambar forest, April 1874, G. Mann 58, Acc. No. 3305.

Elaeocarpus varunua Buchanan-Hamilton *ex Masters*; Goalpara, March 1876, G. Mann 25, Acc. No. 3359.

Sloanea dasycarpa (Benth) Hemsley; ?, ?, G. Mann 24, Acc. No. 3111.

Sloanea sterculiacea (Benth) Rehder & E.H. Wilson; Sylhet (Patheria Forest), 1886, G. Mann *s. n.*, Acc. No. 086

Sloanea tomentosa (Benth) Rehder & E.H. Wilson; Upper Dehing, February 1876, G. Mann *s. n.*, Acc. No. 3088.

Linaceae

Anisadenia pubescens Griffith; Jaintia Hills, August 1883, G. Mann *s. n.*, Acc. No. 3430.

Anisadenia saxatilis Wallich *ex Meisner*; Jaintia Hills, August 1883, G. Mann *s. n.*, Acc. No. 3422.

Reinwardtia indica Dumortier; Plains of Assam, December 1877, G. Mann 462, Acc. No. 3414.

Malpighiaceae

Aspidopterys glabriuscula A. Jussieu; ?, ?, G. Mann *s. n.*, Acc. No. 3503.

Hiptage benghalensis (Linnaeus) Kurz; Kamrup, March 1878, G. Mann 816, Acc. No. 3470.

Geraniaceae

Geranium nepalense Sweet; Khasi Hills, November 1877, G. Mann 609, Acc. No. 3538.

Oxalidaceae

Oxalis corniculata Linnaeus; Khasi Hills, June 1877, G. Mann *s. n.*, Acc. No. 3547.

Balsaminaceae

Impatiens acuminata Benthams; Jaintia Hills, August 1883, G. Mann *s. n.*, Acc. No. 3655.

Impatiens arguta Hooker *f.* & Thomson; Khasi Hills, June 1878, G. Mann 554, Acc. No. 3701.

Impatiens bracteata Colebrook; Khasi Hills, July 1876, G. Mann 460, Acc. No. 3653.

Impatiens chinensis Linnaeus; Khasi Hills, August 1879, G. Mann *s. n.*, Acc. No. 3585.

Impatiens jurpia Buchanan-Hamilton; Cherrapunji, August 1886, G. Mann *s. n.*, Acc. No. 3730.

Impatiens khasiana Hooker *f.*; Khasi Hills, September 1885, G. Mann *s. n.*, Acc. No. 3694.

Impatiens laevigata Wallich; Jaintia Hills, August 1883, G. Mann *s. n.*, Acc. No. 3751.

Impatiens latifolia Hooker *f.*; Khasi Hills, October 1881, G. Mann *s. n.*, Acc. No. 3658.

Impatiens marianae Reichenbach *f. ex* Hooker *f.*; Shillong, September 1886, G. Mann *s. n.*, Acc. No. 3784.

Impatiens porrecta Wallich; Khasi Hills, July 1877, G. Mann 487, Acc. No. 3617.

Impatiens pulchra Hooker *f.* & Thomson; Shillong, August 1886, G. Mann *s. n.*, Acc. No. 3619

Impatiens racemosa DC.; Khasi Hills, August 1885, G. Mann *s. n.*, Acc. No. 3773.

Impatiens racemulosa Wallich; Khasi Hills, July 1986, G. Mann *s. n.*, Acc. No. 3673.

Impatiens radicans Benthams *ex* Hooker *f.* & Thomson; Khasi Hills, July 1876, G. Mann 439, Acc. No. 3601.

Impatiens salicifolia Hooker *f.* & Thomson; Khasi Hills, Sept. 1885, G. Mann *s. n.*, Acc. No. 3565.

Impatiens stanantha Hooker *f.*; Khasi Hills, August 1885, G. Mann *s. n.*, Acc. No. 3777.

Impatiens tripetala Roxburgh; Sibsagar, May 1885, G. Mann *s. n.*, Acc. No. 3688.

Impatiens uncipetala C.B. Clarke *ex* Hooker *f.*; Khasi Hills, September 1886, G. Mann *s. n.*, Acc. No. 3794.

Rutaceae

Citrus medica Linnaeus; Khasi Hills, June 1878, G. Mann *s. n.*, Acc. No. 4272.

Clausena excavata Burman *f.*; Lower Assam, April 1876, G. Mann *s. n.*, Acc. No. 4195.

Evodia glabrifolia (Champion) N.P. Balakrishnan; Jaintia Hills, May 1878, G. Mann 741, Acc. No. 3866.

Glycosmis cyanocarpa var. *cymosa* Kurz; Nambar forest, February 1880, G. Mann *s. n.*, Acc. No. 4149.

Glycosmis cyanocarpa var. *linearifoliolis* V. Narayanaswami *ex* Tanaka; Lower Assam, Apr. 1876, G. Mann 159, Acc. No. 4116.

Glycosmis pentaphylla (Retzius) DC.; ?, April 1877, G. Mann *s. n.*, Acc. No. 4085.

Micromelum minutum Wight & Arnott; Kamrup, March 1878, G. Mann 789, Acc. No. 4179.

Murraya koenigii (Linnaeus) Sprengel; Lower Assam, March 1876, G. Mann 41, Acc. No. 4228.

Murraya paniculata (Linnaeus) Jack; Guwahati, December 1873, G. Mann *s. n.*, Acc. No. 42201.

Zanthoxylum acanthopodium DC.; Khasi Hills, August 1877, G. Mann 364, Acc. No. 3921.

Zanthoxylum armatum DC.; Khasi Hills, June 1878, G. Mann *s. n.*, Acc. No. 3908.

Zanthoxylum myriacanthum Wallich *ex Hooker f.*; ?, ?, G. Mann G119/9787, Acc. No. 3986.

Zanthoxylum ovalifolium Wight; Khasi Hills, June 1879, G. Mann *s. n.*, Acc. No. 3887.

Zanthoxylum rhetsa DC.; Kamrup, ?, G. Mann *s. n.*, Acc. No. 3977.

Simaroubaceae

Brucea mollis Wallich *ex Kurz*; Jaintia Hills, May 1878, G. Mann 742, Acc. No. 4323.

Picrasma javanica Blume; Khasi Hills, May 1878, G. Mann 773, Acc. No. 4365.

Ochnaceae

Ochna pumila Buchanan-Hamilton *ex D. Don*; Lower Assam, April 1876, G. Mann *s. n.*, Acc. No. 37472.

Ochna wallichii Planchon; Katakhal forest, March 1885, G. Mann *s. n.*, Acc. No. 4377.

Burseraceae

Bursera serrata Wallich *ex Colebrook*; Goalpara, March 1876, G. Mann *s. n.*, Acc. No. 4434.

Canarium bengalense Roxburgh; Nambar forest, June 1884, G. Mann *s. n.*, Acc. No. 4466.

Canarium strictum Roxburgh; Khasi Hills, June 1884, G. Mann *s. n.*, Acc. No. 4483.

Garuga pinnata Roxburgh; Goalpara, ?, G. Mann *s. n.*, Acc. No. 4407.

Meliaceae

Aglaia perviridis Hiern; Cherapunjee, June 1878, G. Mann 1178, Acc. No. 4676.

Aglaia samoensis A. Gray; ?, ?, G. Mann *s. n.*, Acc. No. 4693.

Aglaia spectabilis (Miquel) S.S. Jain & S.S.R. Bennet; Nambar forest, May 1884, G. Mann *s. n.*, Acc. No. 4783.

Aphanamixis polystachya (Wallich) R. Parker; Khasi Hills, June 1886, G. Mann *s. n.*, Acc. No. 4744.

Chisocheton cumingianus subsp. *balansae* (C.DC.) Mabberley; Nambar forest, May 1884, G. Mann *s. n.*, Acc. No. 4719.

Chukrasia tabularis A. Jussieu; Central Assam, February 1876, G. Mann *s. n.*, Acc. No. 4863.

Dysoxylum excelsum Blume; Nambar forest, February 1880, G. Mann *s. n.*, Acc. No. 4650.

Dysoxylum gotadhora (Buchanan-Hamilton) Mabberley; Cachar, March 1875, G. Mann *s. n.*, Acc. No. 4553.

Dysoxylum mollissimum Blume; Upper Assam, February 1876, G. Mann *s. n.*, Acc. No. 4610.

Melia azedarach Linnaeus; Khasi Hills, June 1877, G. Mann 298, Acc. No. 4518.

Munronia pinnata (Wallich) W. Theobald; Garo Hills, June 1864, G. Mann *s. n.*, Acc. No. 4510.

Toona ciliata M. Roemer; Kamrup, March 1869, G. Mann 112, Acc. No. 4879.

Trichilia connaroides (Wight & Arnott) Bentvelzen; Lower Assam, March 1876, G. Mann 98, Acc. No. 4838.

Walsura robusta Roxburgh; Cachar, February 1885, G. Mann *s. n.*, Acc. No. 4826.

Dichapetalaceae

Dichapetalum gelonioides (Roxburgh) Engler; Naga Hills, ?, G. Mann *s. n.*, Acc. No. 4948.

Olacaceae

- Olox nana* Wallich *ex* Benth; Lower Assam, March 1876, G. Mann 65, Acc. No. 4985.
Schoepfia fragrans Wallich; Naga Hills, September 1881, G. Mann *s. n.*, Acc. No. 5039.

Icacinaceae

- Natsiatum herpeticum* Buchanan-Hamilton *ex* Arnott; Khasi Hills, April 1877, G. Mann *s. n.*, Acc. No. 5159.

Aquifoliaceae

- Ilex crenata* var. *thomsonii* (Hooker *f.*) Loesener; Khasi Hills, June 1877, G. Mann *s. n.*, Acc. No. 5306.
Ilex embelioides Hooker *f.*; Khasi Hills, May 1877, G. Mann 185, Acc. No. 5256.
Ilex excelsa (Wallich) Voigt; Khasi Hills, May 1878, G. Mann- 781, Acc. No. 5216.
Ilex fragilis Hooker *f.*; G. Mann- 433, Khasi Hills, JuLinnaeus 1876, Acc. No. 5313.
Ilex odorata Buchanan-Hamilton *ex* D. Don; Khasi Hills, Jun. 1877, G. Mann 299, Acc. No. 5282.
Ilex umbellulata (Wallich) Loesener; Kamrup, March 1878, G. Mann 953, Acc. No. 5239.
Ilex venulosa Hooker *f.*; G. Khasi Hills, June 1877, Mann *s. n.*, Acc. No. 5188.

Celastraceae

- Celastrus monospermus* Roxburgh; Naga Hills, ?, G. Mann *s. n.*, Acc. No. 5571.
Celastrus paniculatus Willdenow; Khasi Hills, July 1877, G. Mann 939, Acc. No. 5533.
Celastrus stylosus Wallich; Khasi Hills, May 1877, G. Mann *s. n.*, Acc. No. 5552.
Euonymus attenuatus Wallich *ex* M.A. Lawson; Khasi Hills, July 1876, G. Mann 453, Acc. No. 5360.
Euonymus glaber Roxburgh; Khasi Hills, June 1877, G. Mann 134, Acc. No. 5353.
Euonymus grandiflorus Wallich; Khasi Hills, June 1878, G. Mann 1173, Acc. No. 5337.
Euonymus lawsonii C.B. Clarke *ex* Prain; Khasi Hills, June 1876, G. Mann 541, Acc. No. 5464
Euonymus theifolius Wallich *ex* M.A. Lawson; Khasi Hills, July 1876, G. Mann 412, Acc. No. 5425.
Microtropis discolor (Wallich) Wallich *ex* Meisner; Khasi Hills, July 1877, G. Mann 269, Acc. No. 5496.

Hippocrateaceae

- Salacia chinensis* Linnaeus; Khasi Hills, June 1877, G. Mann 77, Acc. No. 5687.

Rhamnaceae

- Berchemia floribunda* (Wallich) Brongniart; Khasi Hills, 1877, G. Mann *s. n.*, Acc. No. 5804.
Gouania leptostachya DC.; ?, ?, G. Mann *s. n.*, Acc. No. 5890.
Hovenia dulcis Thunberg; Plains of Assam, ?, G. Mann- 61, Acc. No. 5867.
Rhamnus napalensis (Wallich) M.A. Lawson; ?, April 1877, G. Mann 67, Acc. No. 5853.
Ventilago denticulata Willdenow; Lakhimpur, January 1876, G. Mann 511, Acc. No. 5723.

Vitaceae

- Ampelocissus barbata* (Wallich) Planchon; Khasi Hills, ?, G. Mann *s. n.*, Acc. No. 5926.

Ampelocissus latifolia (Roxburgh) Planchon; Khasi Hills, July 1878, G. Mann 1119, Acc. No. 5945.

Cayratia japonica (Thunberg) Gagnepain; Khasi Hills, June 1877, G. Mann 280, Acc. No. 6126

Cayratia pedata (Lamarck) Gagnepain; Khasi Hills, July 1883, G. Mann s. n., Acc. No. 20690.

Cissus adnata Roxburgh; Plains of Assam, November 1877, G. Mann 441, Acc. No. 5961.

Cissus javana DC.; Khasi Hills, September 1878, G. Mann s. n., Acc. No. 5909.

Parthenocissus semicordata (Wallich) Planchon; Khasi Hills, June 1879, G. Mann s. n., Acc. No. 5991.

Tetrastigma rumicispermum (M.A. Lawson) Planchon; Khasi Hills, July 1878, G. Mann 1073, Acc. No. 6053.

Tetrastigma serrulatum (Roxburgh) Planchon; Khasi Hills, September 1878, G. Mann 270, Acc. No. 6096.

Vitis heyneana Roemer & Schultes; Jaintia Hills, May 1878, G. Mann 838, Acc. No. 5935.

Leeaceae

Leea alata Edgeworth; Lakhimpur, March 1880, G. Mann s. n., Acc. No. 6224.

Leea asiatica (Linnaeus) Ridsdale; Khasi Hills, June 1876, G. Mann s. n., Acc. No. 6253.

Leea guineense G. Don; ?, ?, G. Mann 338, Acc. No. 6171.

Leea indica (Burman f.) Merrill; Khasi Hills, July 1877, G. Mann 277, Acc. No. 6180.

Sapindaceae

Allophylus triphyllus (Burman f.) Merrill; ?, April 1877, G. Mann 17, Acc. No. 6330.

Lepisanthes rubiginosa (Roxburgh) Leenhouts; ?, ?, G. Mann s. n., Acc. No. 6298.

Sapindus attenutus Wallich; Goalpara, February 1879, G. Mann s. n., Acc. No. 6414.

Staphyleaceae

Turpinia pomifera (Roxburgh) DC.; Guwahati, ?, G. Mann 129, Acc. No. 6533.

Hippocastanaceae

Aesculus assamica Griffith; Dyguring forest, March 1885, G. Mann s. n., Acc. No. 6344.

Sabiaceae

Meliosma arnottiana (Wight) Walpers; Khasi Hills, June 1876, G. Mann 222, Acc. No. 6688.

Meliosma simplicifolia (Roxburgh) Walpers; ?, Apr. 1877, G. Mann s. n., Acc. No. 6637.

Sabia lanceolata Colebrook; Upper Dehing, March 1880, G. Mann s. n., Acc. No. 6603.

Sabia parviflora Wallich; Khasi Hills, July 1877, G. Mann s. n., Acc. No. 6574.

Anacardiaceae

Brucea javanica (Linnaeus) Merrill; Khasi Hills, July 1878, G. Mann 350, Acc. No. 6762.

Holigarna caustica (Dennstedt) Oken; Katakhal forest, March 1885, G. Mann s. n., Acc. No. 6914.

Mangifera indica Linnaeus; Sibsagar, March 1877, G. Mann s. n., Acc. No. 6743.

Pegia nitida Colebrook; ?, April 1877, G. Mann 93, Acc. No. 6857.

Semecarpus anacardium Linnaeus f.; Plains of Assam, ?, G. Mann 345, Acc. No. 6877.

Toxicodendron acuminatum (DC.) C.Y. Wu & T.L. Ming; Sibsagar, April 1884, G. Mann *s. n.*, Acc. No. 6781.

Toxicodendron hookeri (Sahni & Bahadur) C.Y. Wu & T.L. Ming; Jaintia Hills, May 1878, G. Mann 847, Acc. No. 6789.

Connaraceae

Connarus paniculatus Roxburgh; Khasi Hills, June 1878, G. Mann 1185, Acc. No. 6976.

Rourea minor (Gaertner) Alston; Khasi Hills, ?, G. Mann- 184, Acc. No. 6946.

Fabaceae

Abrus fruticulosus Wight & Arnott; ?, ?, G. Mann- 27, Acc. No. 7857.

Apios carnea (Wallich) Benth; Khasi Hills, September 1878, G. Mann *s. n.*, Acc. No. 7946.

Butea monosperma (Lamarck) Taubert; ?, ?, G. Mann *s. n.*, Acc. No. 8059.

Cajanus cajan (Linnaeus) Millspaugh; Khasi Hills, April 1877, G. Mann 249, Acc. No. 8263.

Cajanus elongatus (Benth) Maesen: Khasi Hills, August 1885, G. Mann *s.n.*, Acc.No. 8245

Callerya cinerea (Benth) Schott; Khasi Hills,?, G. Mann *s. n.*, Acc. No. 7380.

Campylotropis thomsonii (Baker) Schindler; Khasi Hills, July 1876, G. Mann 509, Acc. No. 7425.

Clitoria mariana Linnaeus; Khasi Hills, July 1886, G. Mann *s. n.*, Acc. No. 8105.

Clitoria mariana var. *orientalis* P.R. Fantz; Khasi Hills, June 1879, G. Mann *s.n.*, Acc.No. 8106

Codariocalyx gyroides (Link) Hasskarl;?, September 1878, G. Mann *s. n.*, Acc. No. 7800.

Codariocalyx motorius (Houttuyn) H. Ohashi; Khasi Hills, September 1878, G. Mann *s. n.*, Acc. No. 7747.

Crotalaria alata D. Don; ?, ?, G. Mann *s. n.*, Acc. No. 7044.

Crotalaria albida Roth; ?, ?, G. Mann *s. n.*, Acc. No. 7061.

Crotalaria assamica Benth; Khasi Hills, October 1879, G. Mann *s. n.*, Acc. No. 7116.

Crotalaria cystisoides DC.; Khasi Hills, July 1878, G. Mann 1126, Acc. No. 7019.

Crotalaria ferruginea Benth; Khasi Hills, August 1883, G. Mann *s. n.*, Acc. No. 7027.

Crotalaria juncea Linnaeus; Sylhet, March 1887, G. Mann *s. n.*, Acc. No. 7141.

Crotalaria sessiliflora Linnaeus; Khasi Hills, August 1878, G. Mann 233, Acc. No. 7087.

Crotalaria tetragona Andrews; Garo Hills, December 1880, G. Mann *s. n.*, Acc. No. 7127.

Crotalaria mairei var. *mairei* H. Léveillé.; ?, October 1881, G. Mann *s. n.*, Acc. No. 7100.

Crotalaria pallida Aiton; Khasi Hills, April 1877, G. Mann 49, Acc. No. 7147.

Dalbergia rimosa Roxburgh; Khasi Hills, May 1877, G. Mann 302, Acc. No. 8305.

Dalbergia sissoo DC.; Kulsi forest, ?, G. Mann *s. n.*, Acc. No. 8295.

Dalbergia stipulacea Roxburgh; Lakhimpur, March 1874, G. Mann *s. n.*, Acc. No. 8414.

Dalhousiea bracteata (Roxburgh) Benth; Khasi Hills, June 1876, G. Mann *s. n.*, Acc. No. 8583.

Derris robusta (DC.) Benth; Kamrup, ?, G. Mann 388, Acc. No. 8472.

Desmodium concinnum DC.; Khasi Hills, August 1874, G. Mann 123, Acc. No. 7658.

Desmodium heterocarpon var. *heterocarpon* (Linnaeus) DC.; Khasi Hills, September 1881, G. Mann *s. n.*, Acc. No. 7795.

- Desmodium heterocarpon* var. *strigosum* Meeuwen; Khasi Hills, August 1878, G. Mann s. n., Acc. No. 7677.
- Desmodium multiflorum* DC.; Khasi Hills, June 1878, G. Mann s. n., Acc. No. 7719.
- Desmodium sequax* Wallich; Khasi Hills, September 1887, G. Mann s. n., Acc. No. 7614.
- Desmodium velutinum* (Willdenow) DC.; ?, ?, G. Mann 16, Acc. No. 7746.
- Dysolobium grande* (Benth) Prain; ?, ?, G. Mann- 28, Acc. No. 8120.
- Eriosema chinense* Vogel; Jaintia Hills, September 1883, G. Mann s. n., Acc. No. 8225.
- Erythrina arborescens* Roxburgh; Khasi Hills, ?, G. Mann 377, Acc. No. 7966.
- Flemingia macrophylla* (Willdenow) Merrill; ?, ?, G. Mann 374, Acc. No. 8219.
- Flemingia procumbens* Roxburgh; Khasi Hills, November 1873, G. Mann s.n., Acc.No. 8282
- Flemingia strobilifera* (Linnaeus) R. Brown; Goalpara, December 1879, G. Mann s. n., Acc. No. 8184.
- Glycine max* (Linnaeus) Merrill; Khasi Hills, November 1877, G. Mann- 387, Acc. No. 7900
- Glycine max* subsp. *soja* (Siebold & Zuccarini) H. Ohashi; Khasi Hills, November 1877, G. Mann 587, Acc. No. 7899.
- Hylodesmum podocarpum* subsp. *oxyphyllum* (DC.) H. Ohashi & R.R. Mill; ?, August 1879, G. Mann s. n., Acc. No. 7696.
- Indigofera exilis* Grierson & D.G. Long; ?, ?, G. Mann 1115, Acc. No. 7257.
- Indigofera nigrescens* King & Prain; ?, ?, G. Mann 153, Acc. No. 7255.
- Indigofera sesquipedalis* Sanjappa; ?, ?, G. Mann- 521, Acc. No. 7198.
- Indigofera stachyodes* Lindley; Khasi Hills, July 1878, G. Mann 1120, Acc. No. 7236.
- Lathyrus sativus* Linnaeus; ?, April 1877, G. Mann 54, Acc. No. 7488.
- Lens culinaris* Medikus; ?, ?, April 1877, G. Mann s. n., Acc. No. 7858.
- Lespedeza elliptica* Benth; Khasi Hills, November 1879, G. Mann 658, Acc. No. 7410.
- Meizotropis buteiformis* Voigt; Khasi Hills, ?, G. Mann 290, Acc. No. 9424.
- Melilotus albus* Medikus; ?, ?, G. Mann s. n., Acc. No. 7189.
- Millettia pachycarpa* Benth; Khasi Hills, May 1877, G. Mann 306, Acc. No. 7326.
- Millettia pulchra* Kurz; Khasi Hills, June 1879, G. Mann s. n., Acc. No. 7280.
- Ophrestia pentaphylla* (Dalzell) Verdcourt; ?, ?, G. Mann s. n., Acc. No. 7898.
- Parochetus communis* D. Don; ?, ?, G. Mann s. n., Acc. No. 7180.
- Pueraria montana* var. *chinensis* (Ohwi) Sanjappa & Predeep; Khasi Hills, September 1879, G. Mann 325, Acc. No. 8029.
- Pueraria peduncularis* Graham; ?, ?, G. Mann s. n., Acc. No. 7986.
- Pueraria tuberosa* (Willdenow) DC.; ?, ?, G. Mann s. n., Acc. No. 7973.
- Pueraria wallichii* DC.; Khasi Hills, November 1878, G. Mann s. n., Acc. No. 8006.
- Shuteria involucrata* (Wallich) Wight & Arnott; Khasi Hills, November, 1877, G. Mann 595, Acc. No. 7871.
- Smithia blanda* Wallich; Khasi Hills, September 1878, G. Mann s. n., Acc. No. 7481.
- Smithia ciliata* Rolyle; Khasi Hills, November 1877, G. Mann 653, Acc. No. 7484.
- Smithia grandis* Baker; Khasi Hills, June 1879, G. Mann s. n., Acc. No. 7498.

- Spatholobus parviflorus* (DC.) Kuntze; Goalpara, December 1877, G.Mann 702, Acc.No. 8062
Tadehagi triquetrum (Linnaeus) H. Ohashi; Khasi Hills, ?, G. Mann *s. n.*, Acc. No. 47583.
Tephrosia candida (Roxburgh) DC.; Garo Hills, December 1880, G. Mann *s. n.*, Acc. No. 7446
Uraria crinita (Linnaeus) DC.; Khasi Hills, October 1886, G. Mann *s. n.*, Acc. No. 7542.
Uraria lagopus DC.; Khasi Hills, September 1879, G. Mann *s. n.*, Acc. No. 4516.
Vicia hirsuta (Linnaeus) Gray; ?, April 1877, G. Mann 62, Acc. No. 7859.
Vigna umbellata (Thunberg) Ohwi & H. Ohashi; Khasi Hills, November 1877, G. Mann *s. n.*, Acc. No. 8125.
Vigna vexillata (Linnaeus) A. Richard; Khasi Hills, September 1878, G. Mann 230, Acc. No. 8148.

Caesalpinaceae

- Bauhinia malabarica* Roxburgh; Kamrup, ?, G. Mann 111, Acc. No. 8903.
Bauhinia purpurea Linnaeus; Khasi Hills, December 1878, G. Mann *s. n.*, Acc. No. 8953.
Caesalpinia pulcherrima (Linnaeus) Swartz; Cachar, December 1878, G. Mann *s. n.*, Acc. No. 8628.
Caesalpinia tortuosa Roxburgh; Khasi Hills, July 1877, G. Mann 318, Acc. No. 8636.
Cassia fistula Linnaeus; Goalpara, ?, G. Mann 31, Acc. No. 8718.
Cassia italica (Miller) Lamarck *ex* F.W. Anderws; ?, ?, G. Mann *s. n.*, Acc. No. 8767.
Chamaecrista mimosoides (Linnaeus) Greene; Khasi Hills, July 1877, G. Mann *s. n.*, Acc. No. 8795.
Maniltoa polyandra (Roxburgh) Harms; ?, ?, G. Mann- *s. n.*, Acc. No. 8822.
Saraca indica Linnaeus; Nambar forest, September, G. Mann 708, Acc. No. 8841.
Senna alata (Linnaeus) Roxburgh; Sylhet, November 1878, G. Mann *s. n.*, Acc. No. 8772.
Senna floribunda (Cavanilles) H. S. Irwin & Barneby; Khasi Hills, Jun. 1878, G. Mann- *s. n.*, Acc. No. 8736.
Senna occidentalis (Linnaeus) Link; Khasi Hills, November 1877, G.Mann 426, Acc.No. 8707
Senna tora (Linnaeus) Roxburgh; ?, ?, G. Mann 422, Acc. No. 8760.
Tamarindus indica Linnaeus; ?, ?, G. Mann *s. n.*, Acc. No. 8859.

Mimosaceae

- Acacia concinna* (Willdenow) DC.; Sylhet, March 1876, G. Mann *s. n.*, Acc. No. 9135.
Acacia farnesiana (Linnaeus) Willdenow; Goalpara, March 1876, G. Mann *s. n.*, Acc. No. 9172
Acacia sinuata (Loureiro) Merrill; Sibsagar, March 1879, G. Mann *s. n.*, Acc. No. 9137.
Adenanthera pavonina Linnaeus; Goalpara, March 1876, G. Mann- *s. n.*, Acc. No. 9013.
Albizia chinensis (Osbeck) Merrill; Khasi Hills, October 1878, G. Mann- *s. n.*, Acc. No. 9318.
Albizia lucidior (Steudel) I.C. Nielsen; Kamrup, ?, G. Mann 7, Acc. No. 9274.
Albizia myriophylla Bentham; Khasi Hills, June 1876, G. Mann *s. n.*, Acc. No. 9283.
Albizia odoratissima (Linnaeus *f.*) Bentham; Kamrup, December 1885, G. Mann *s. n.*, Acc. No. 9261.

Calliandra umbrosa subsp. *griffithii* (Bentham) S.R. Paul; Khasi Hills, July 1876, G. Mann 425, Acc. No. 9295.

Entada gigas (Linnaeus) Fawcett & Rendle; Jaintia Hills, May 1878, G. Mann 744, Acc. No. 8993.

Mimosa himalayana Gamble; Khasi Hills, June 1877, G. Mann *s. n.*, Acc. No. 9070.

Mimosa pudica Linnaeus; Khasi Hills, April 1877, G. Mann 236, Acc. No. 9053.

Parkia timoriana (DC.) Merrill; ?, ?, G. Mann- *s. n.*, Acc. No. 9027.

Pithecolobium angulatum Bentham; Kamrup, March 1878, G. Mann 819, Acc. No. 9398.

Rosaceae

Agrimonia pilosa var. *nepalensis* (D. Don) Nakai; Khasi Hills, Jun. 1878, G. Mann *s. n.*, Acc. No. 9945.

Docynia indica (Wallich) Decaisne; Khasi Hills, ?, G. Mann 22, Acc. No. 10007.

Eriobotrya bengalensis (Roxburgh) Hooker *f.*; ?, ?, G. Mann *s. n.*, Acc. No. 10054.

Fragaria nilgerrensis Schlechter *ex* J. Gay; Khasi Hills, June 1879, G. Mann *s. n.*, Acc. No. 9913.

Laurocerasus undulata (Buchanan-Hamilton *ex* D. Don) M. Roemer; Goalpara, December 1877, G. Mann *s. n.*, Acc. No. 9526.

Neillia thyrsoiflora D. Don; Khasi Hills, November 1873 G. Mann *s. n.*, Acc. No. 9660.

Padus napaulensis (Seringe) C.K. Schneider; Khasi Hills, July 1877, G. Mann 271, Acc. No. 9468.

Pourthiaea arguta Decaisne; Khasi Hills, June 1878, G. Mann 1172, Acc. No. 10194.

Photinia integrifolia Lindley; Khasi Hills, June 1879, G. Mann *s. n.*, Acc. No. 10182.

Photinia notoniana Wight & Arnott; Khasi Hills, July 1879, G. Mann *s. n.*, Acc. No. 10153.

Potentilla polyphylla Wallich *ex* Lehmann; Khasi Hills, November 1877, G. Mann 616, Acc. No. 9919.

Pygeum acuminatum Colebrook; ?, ?, G. Mann *s. n.*, Acc. No. 9570.

Pyrus pashia Buchanan-Hamilton *ex* D. Don; Khasi Hills, March 1881, G. Mann *s. n.*, Acc. No. 10092.

Rubus assamensis Focke; Jaintia Hills, May 1878, G. Mann 413, Acc. No. 9733.

Rubus insignis Hooker *f.*; ?, ?, April 1877, G. Mann *s. n.*, Acc. No. 9746.

Rubus lucens Focke; Lakhimpur, January 1878, G. Mann 527, Acc. No. 9826.

Rubus moluccanus Linnaeus; Khasi Hills, June 1876, G. Mann 561, Acc. No. 28954.

Rubus opulifolius Bertoloni; Khasi Hills, July 1876, G. Mann- 411, Acc. No. 9853.

Sanguisorba officinalis var. *longifolia* (Beroloni) T.T. Yu & C.L. Li; Khasi Hills, July 1876, G. Mann 436, Acc. No. 9858.

Spiraea japonica Linnaeus *f.*; Khasi Hills, July 1876, G. Mann 440, Acc. No. 19197.

Stranvaesia nussia (Buchanan-Hamilton *ex* D. Don) Decaisne; Khasi Hills, July 1876, G. Mann- *s. n.*, Acc. No. 10225.

Saxifragaceae

Astilbe rubra Hooker *f.* & Thomson; Khasi Hills, June 1876, G. Mann 555, Acc. No. 10258.

Polyosma integrifolia Blume; Khasi Hills, May 1877, G. Mann 301, Acc. No. 10390.

Hydrangeaceae

Dichroa febrifuga Loureiro;?,?, G. Mann-*s. n.*, Acc. No. 10324.

Iteaceae

Itea chinensis Hooker & Arnott; Khasi Hills, May 1877, G. Mann 202, Acc. No. 10384.

Itea macrophylla Wallich; Khasi Hills, May 1878, G. Mann 858, Acc. No. 10356.

Parnassiaceae

Parnassia mysorensis F. Heyne *ex* Wight & Arnott; Khasi Hills, July 1876, G. Mann 4172, Acc. No. 10278.

Droseraceae

Drosera burmanni Vahl; Sylhet, February 1886, G. Mann *s. n.*, Acc. No. 10413.

Drosera peltata Thunberg; Khasi Hills, May 1877, G. Mann 592, Acc. No. 10427.

Hamamelidaceae

Altingia excelsa Noronha; Lakhimpur, ?, G. Mann *s. n.*, Acc. No. 10510.

Corylopsis himalayana Griffith; Khasi Hills, May 1878, G. Mann 828, Acc. No. 10482.

Exbucklandia populnea (R. Brown *ex* Griffith) R. W. Brown; Jaintia Hills, May 1878, G. Mann 857, Acc. No. 10444.

Sycopsis griffithiana Oliver; Khasi Hills, June 1877, G. Mann *s. n.*, Acc. No. 10460.

Rhizophoraceae

Carallia brachiata (Loureiro) Merrill; Upper Dehing, Mar.1880, G. Mann *s. n.*, Acc. No. 10541

Combretaceae

Combretum acuminatum Roxburgh; Khasi Hills, July 1876, G. Mann *s. n.*, Acc. No. 10664.

Combretum album Persoon; Goalpara, December 1879, G. Mann *s. n.*, Acc. No. 10614.

Terminalia bellirica (Gaertner) Roxburgh; Goalpara, April 1876, G. Mann *s. n.*, Acc. No. 10586

Terminalia citrina Roxburgh *ex* Fleming; Darrang, January 1885, G. Mann *s. n.*, Acc. No. 10577.

Terminalia myriocarpa Van Heurck & Müeller Argoviensis; ?, ?, G. Mann *s.n.*, Acc.No. 10567

Hernandiaceae

Illigera khasiana C.B. Clarke; ?, 1871, G. Mann *s. n.*, Acc. No. 25342.

Myrtaceae

Decaspermum paniculatum (Lindley) Kurz; Khasi Hills, June 1877, G. Mann 290, Acc. No. 10760.

Syzygium balsameum (Wight) Wallich *ex* Walpers; ?, April 1874, G. Mann *s. n.*, Acc. No. 37713

Syzygium cumini (Linnaeus) Skeels; Kamrup, March 1878, G. Mann 812, Acc. No. 11099.

Syzygium diospyrifolium (Wallich *ex* Duthie) S.N. Mitra; Khasi Hills, JuLinnaeus 1877, G. Mann- *s. n.*, Acc. No. 10827.

Syzygium formosum (Wallich) Masamune; Lower Assam, March 1876, G. Mann *s. n.*, Acc. No. 10789.

Syzygium griffithii (Duthie) Merrill & L.M. Perry; Khasi Hills,?, G.Mann 110, Acc.No. 10935

Syzygium insigne (Blume) Merrill & L.M. Perry; ?, April 1877, G. Mann 18, Acc. No. 10886

Syzygium jambos (Linnaeus) Alston; Lakhimpur, March 1879, G. Mann *s. n.*, Acc. No. 10837

Syzygium khasianum (Duthie) N.P. Balakrishnan; ?, ?, G. Mann 135, Acc. No. 10971.

Syzygium tetragonum (Wight) Wallich *ex* Walpers; Jainti Hills, May 1878, G. Mann 400, Acc. No. 11021.

Lecythidaceae

Careya arborea Roxburgh; Kamrup, March 1878, G. Mann 948, Acc. No. 1121.

Melastomataceae

Medinilla rubicunda (Jack) Blume; ?, ?, G. Mann *s. n.*, Acc. No. 11563.

Melastoma malabathricum Linnaeus; Khasi Hills, May 1877, G. Mann 323, Acc. No. 11345.

Osbeckia chinensis Linnaeus; Khasi Hills, September 1878, G. Mann *s. n.*, Acc. No. 11448.

Osbeckia crinita Bentham *ex* C.B. Clarke; Nonghloo, September 1881, G. Mann *s. n.*, Acc. No. 11487.

Osbeckia nepalensis Hooker *f.*;?, August 1878, G. Mann *s. n.*, Acc. No. 11437.

Osbeckia stellata Buchanan-Hamilton *ex* Ker Gawler; Khasi Hills, June 1878, G. Mann *s. n.*, Acc. No. 11413.

Oxyspora paniculata (D. Don) DC.; ?, ?, G. Mann *s. n.*, Acc. No. 11363.

Oxyspora vagans (Roxburgh) Wallich; Nangkhaloo, September 1881, G. Mann *s. n.*, Acc. No. 11392.

Crypteroniaceae

Crypteronia paniculata Blume; Cachar, March 1878, G. Mann 5, Acc. No. 11677.

Lythraceae

Ammannia baccifera Linnaeus; Plains of Assam, November 1877, G. Mann 431, Acc. No. 11661.

Ammannia rotundifolia Buchanan-Hamilton *ex* Roxburgh; Lower Assam, April 1876, G. Mann- *s. n.*, Acc. No. 11660.

Lagerstroemia parviflora Roxburgh; ?, Mar. 1886, G. Mann *s. n.*, Acc. No. 11725.

Lagerstroemia speciosa (Linnaeus) Persoon; ?, ?, G. Mann- 29, Acc. No. 11750.

Sonneratiaceae

Duabanga grandiflora (DC.) Walpers; Cachar, March 1875, G. Mann 11, Acc. No. 11766.

Onagraceae

Ludwigia octovalis (Jacquin) P.H. Raven; ?, ?, G. Mann- 17, Acc. No. 11850.

Passifloraceae

Adenia trilobata (Roxburgh) Engler; Khasi Hills, June 79, G. Mann *s. n.*, Acc. No. 11910.

Passiflora geminiflora D. Don; Khasi Hills, July 1883, G. Mann *s. n.*, Acc. No. 11790.

Passiflora subpeltata Ortega; Shillong, August 1885, G. Mann *s. n.*, Acc. No. 11813.

Cucurbitaceae

Hodgsonia macrocarpa (Blume) Cogniaux; Upper Dehing, March 1879, G. Mann *s. n.*, Acc. No. 11939.

Momordica dioica Roxburgh *ex* Willdenow; Sibsagar, May 1886, G. Mann 75, Acc. No. 12005
Solena amplexicaulis (Lamarck) K.N. Gandhi; Khasi Hills, June 1879, G. Mann *s. n.*, Acc. No. 12038.

Thladiantha hookeri C.B. Clarke; Khasi Hills, July 1880, G. Mann *s. n.*, Acc. No. 12061.

Trichosanthes dioica Roxburgh; Khasi Hills, November 1877, G. Mann 420, Acc. No. 11957

Trichosanthes tricuspadata Loureiro; ?, ?, G. Mann *s. n.*, Acc. No. 11987.

Trichosanthes wallichiana (Seringe) Wight; Khasi Hills, June 1876, G. Mann *s. n.*, Acc. No. 11948.

Begoniaceae

Begonia hatacoa Buchanan-Hamilton *ex* D. Don; Khasi Hills, September 1878, G. Mann *s. n.*, Acc. No. 12161.

Begonia josephi A. DC.; Khasi Hills, September 1885, G. Mann *s. n.*, Acc. No. 12111.

Begonia palmata D. Don; Khasi Hills, September 1878, G. Mann *s. n.*, Acc. No. 12192.

Begonia pedunculosa Wallich; Khasi Hills, September 1885, G. Mann *s. n.*, Acc. No. 12118

Begonia roxburghii A. DC.; Khasi Hills, July 1879, G. Mann *s. n.*, Acc. No. 12098.

Datisceae

Tetrameles nudiflora R. Brown; Nambar forest, May 1889, G. Mann *s. n.*, Acc. No. 12210.

Molluginaceae

Mollugo stricta Linnaeus; Khasi Hills, June 1876, G. Mann 334, Acc. No. 12227.

Apiaceae

Bupleurum falcatum Linnaeus; Khasi Hills, June 1878, G. Mann 1170, Acc. No. 12310.

Cnidium monnieri var. *monnieri* (= *Seseli daucifolium* C. B. Clarke, *Selinum monnieri* Linnaeus); Khasi Hills, July 1879, G. Mann *s. n.*, Acc. No. 12340.

Foeniculum vulgare Mill. Linnaeus; Khasi Hills, August 1878, G. Mann *s. n.*, Acc. No. 12321.

Hydrocotyle javanica Thunberg; Khasi Hills, July 1878, G. Mann 1067, Acc. No. 12274.

Oenanthe stolonifera (Roxburgh) DC.; ?, ?, G. Mann- *s. n.*, Acc. No. 12236.

Sanicula elata Buchanan-Hamilton *ex* D. Don; ?, ?, G. Mann *s. n.*, Acc. No. 12305.

Trachyspermum khasianum H. Wolff; Khasi Hills, June 1876, G. Mann 361, Acc. No. 12318

Araliaceae

Aralia armata (Wallich *ex* G. Don) Seemann; ?, ?, G. Mann- *s. n.*, Acc. No. 12405.

Aralia leschenaultia (DC.) J. Wen; Khasi Hills, August 1886, G. Mann *s. n.*, Acc. No. 12418

Aralia subcordata (Wallich *ex* G. Don) J. Wen; Khasi Hills, May 1877, G. Mann 190, Acc. No. 12441.

Aralia thomsonii Seemann *ex* C.B. Clarke; ?, ?, G. Mann *s. n.*, Acc. No. 12391.

Hedera nepalensis K. Koch; Khasi Hills, ?, G. Mann 211, Acc. No. 12633.

Macropanax dispersum (Blume) Kuntze; Garo Hills, December 1885, G. Mann *s. n.*, Acc. No. 12664.

Macropanax undulatus (Wallich *ex* G. Don) Seemann; Nungkhlow, September 1881, G. Manns. *n.*, Acc. No. 12695.

Panax wanganum S.C. Sun; Khasi Hills, July 1878, G. Mann 1125, Acc. No. 12377.

Schefflera khasiana (C.B. Clarke) R. Viguier; Khasi Hills, June 1879, G. Mann *s. n.*, Acc. No. 12538.

Schefflera pueckleri (K. Koch) Frodin; Jaintia Hills, May 1878, G. Mann 735, Acc. No. 12650

Schefflera rhododendrifolia (Griffith) Frodin; ?, ?, G. Mann- G122/9801, Acc. No. 12464.

Schefflera venulosa (Wight & Arnott) H.A. Harms; Jaintia Hills, May 1878, G. Mann 740, Acc. No. 12512.

Cornaceae

Cornus capitata Wallich; Khasi Hills, April 1877, G. Mann 205, Acc. No. 12743.

Cornus macrophylla Wallich; G. Mann 419, Khasi Hills, July 1876, Acc. No. 12761.

Alanginaceae

Alangium chinense (Loureiro) H.A. Harms; Khasi Hills, June 1877, G. Mann *s. n.*, Acc. No. 12786.

Caprifoliaceae

Lonicera macrantha (D. Don) DC.; Khasi Hills, June 1877, G. Mann *s. n.*, Acc. No. 13036.

Viburnum colebrookeanum Wallich *ex* DC.; Nambar forest, February 1880, G. Mann *s. n.*, Acc. No. 12931.

Viburnum coriaceum Blume; Khasi Hills, May 1876, G. Mann 186, Acc. No. 12959.

Viburnum foetidum Wallich; Khasi Hills, November 1873, G. Mann *s. n.*, Acc. No. 12901.

Viburnum simonsii Hooker *f.* & Thomson; Khasi Hills, June 1877, G. Mann 142, Acc. No. 12997.

Rubiaceae

Argostemma humile J.J. Bennett; ?, ?, G. Mann *s. n.*, Acc. No. 13429.

Benkara griffithii (Hooker *f.*) Ridsdale; ?, ?, G. Mann 58, Acc. No. 13880.

Canthium glabrum Blume; Khasi Hills, May 1877, G. Mann *s. n.*, Acc. No. 14078.

Canthium parvifolium Roxburgh; ?, ?, G. Mann *s. n.*, Acc. No. 14106.

Cephalanthus occidentalis Linnaeus; Kamrup, March 1878, G. Mann 822, Acc. No. 13141.

Chassalia curviflora (Wallich) Thwaites; Khasi Hills, August 1883, G. Mann *s. n.*, Acc. No. 13633.

Cinchona calisaya Weddell; Khasi Hills, September 1881, G. Mann *s. n.*, Acc. No. 13247.

Cinchona officinalis Linnaeus; ?, ?, G. Mann *s. n.* Acc. No. 13242.

Cinchona pubescens Vahl; Khasi Hills, ?, G. Mann *s. n.*, Acc. No. 13271.

Discospermum abnorme (Korthals) S. J. Ali & E. Robbrecht; ?, ?, G. Mann 31, Acc. No. 14045

Haldina cordifolia (Roxburgh) Ridsdale; Garo Hills, December 1885, G. Mann *s. n.*, Acc. No. 13074.

Hedyotis scandens Roxburgh; Plains of Assam, December 1877, G. Mann 465, Acc. No. 13453

Hedyotis uncinella Hooker & Arnott; Khasi Hills, June 1876, G. Mann 560, Acc. No. 13495.

Hymenodictyon flaccidum Wallich; ?, ?, G. Mann *s. n.*, Acc. No. 13288.

Hymenodictyon orixense (Roxburgh) Mabblerley; Goalpara, December 1877, G. Mann 697, Acc. No. 13281.

- Hyptianthera stricta* (Roxburgh *ex* Schultes) Wight & Arnott; ?, Apr. 1877, G. Mann 42, Acc. No. 14018.
- Ixora finlaysoniana* Wallich *ex* G. Don; Nambar forest, February 1877, G. Mann 704, Acc. No. 14221.
- Ixora pavetta* G. Andr anszky; Khasi Hills, July 1877, G. Mann 323, Acc. No. 14181.
- Ixora subsessilis* Wallich *ex* G. Don; Khasi Hills, June 1876, G. Mann 150, Acc. No. 14156.
- Ixora undulata* Roxburgh; Khasi Hills, July 1877, G. Mann 258, Acc. No. 14199.
- Knoxia sumatrensis* (Retzius) DC.; Khasi Hills, July 1879, G. Mann *s. n.*, Acc. No. 14118.
- Lasianthus tubiferus* Hooker *f.*; Khasi Hills, ?, G. Mann *s. n.*, Acc. No. 14717.
- Leptomischus wallichii* (Hooker *f.*) H.S. Lo; Jaintia Hills, August 1883, G. Mann *s. n.*, Acc. No. 13834.
- Luculia pinceana* Hooker; Khasi Hills, November 1877, G. Mann 596, Acc. No. 13301.
- Meyna spinosa* Roxburgh *ex* Link; Khasi Hills, July 1876, G. Mann 276, Acc. No. 14060.
- Morinda angustifolia* Roxburgh; Plains of Assam, November 1877, G. Mann *s. n.*, Acc. No. 14340.
- Mussaenda incana* Wallich; Khasi Hills, August 1886, G. Mann *s. n.*, Acc. No. 14483.
- Mussaenda macrophylla* Wallich; Khasi Hills, June 1876, G. Mann 247, Acc. No. 14436.
- Mussaenda wallichii* G. Don; Nambar forest, May 1884, G. Mann *s. n.*, Acc. No. 14488.
- Mycetia longifolia* (Wallich) Kuntze; Garo Hills, December 1885, G. Mann *s. n.*, Acc. No. 13827.
- Myrioneuron nutans* Wallich *ex* Hooker *f.*; ?, ?, G. Mann *s. n.*, Acc. No. 13842.
- Neanotis calycina* (Wallich *ex* Hooker *f.*) W.H. Lewis; ?, ?, G. Mann *s. n.*, Acc. No. 13608.
- Neanotis oxyphylla* (Wallich *ex* G. Don) W.H. Lewis; ?, August 1885, G. Mann *s. n.*, Acc. No. 13587.
- Neanotis wightiana* (Wallich *ex* Wight & Arnott) W. H. Lewis; Khasi Hills, July 1876, G. Mann 499, Acc. No. 13615.
- Neohymenopogon parasiticus* (Wallich) Bennet; Khasi Hills, July 1876, G. Mann 456, Acc. No. 13232.
- Neonauclea griffithii* (Hooker *f.*) Merrill; Garo Hills, June 1881, G. Mann *s. n.*, Acc. No. 13115.
- Nostolachma khasiana* (Korthals) Deb & Lahiri; Khasi Hills, May 1877, G. Mann *s. n.*, Acc. No. 14265.
- Oldenlandia cristata* (Willdenow *ex* Roemer & Schultes) *ined.*; Khasi Hills, Jun. 1876, G. Mann 353, Acc. No. 13472.
- Oldenlandia heynii* G. Don; ?, ?, G. Mann 44, Acc. No. 13559.
- Oldenlandia lineata* (Roxburgh) Kuntze; Lower Assam, April 1876, G. Mann 35, Acc. No. 13471.
- Oldenlandia monocephala* Kuntze; ?, ?, G. Mann- *s. n.*, Acc. No. 13522.
- Ophiorrhiza oppositifolia* Hooker *f.*; Upper Dehing, March 1874, G. Mann *s. n.*, Acc. No. 13687.
- Ophiorrhiza rosea* Hooker *f.*; Khasi Hills, June 1879, G. Mann *s. n.*, Acc. No. 13677.
- Ophiorrhiza rugosa* var. *argentea* (Wallich *ex* G. Don) Deb & Mondal; G. Mann *s. n.*, Jaintia Hills, August 1883, Acc. No. 13670.
- Ophiorrhiza rugosa* var. *prostrata* (D. Don) Deb & Mondal; Jaintia Hills, May 1878, G. Mann 904, Acc. No. 13655.

Paederia foetida Linnaeus; Khasi Hills, August 1885, G. Mann *s. n.*, Acc. No. 14880; Khasi Hills, July 1878, G. Mann 1124, Acc. No. 14904.

Pavetta indica Linnaeus; Khasi Hills, July 1880, G. Mann *s. n.*, Acc. No. 14383.

Pavetta subcapitata Hooker *f.*; Khasi Hills, June 1877, G. Mann 286, Acc. No. 14367.

Polyura geminata (Wallich *ex* G. Don) Hooker *f.*; ?, ?, G. Mann 580, Acc. No. 13634.

Psilanthus bengalensis (Roxburgh *ex* Schultes) J. F. Leroy; Kamrup, Oct. 1878, G. Mann *s. n.*, Acc. No. 14243.

Psychotria calocarpa Kurz; ?, ?, G. Mann 63, Acc. No. 14656.

Psychotria denticulata Wallich; ?, April 1877, G. Mann 82, Acc. No. 14587.

Rubia cordifolia Linnaeus; Khasi Hills, October 1879, G. Mann *s. n.*, Acc. No. 14843.

Saprosma ternatum (Wallich) Hooker *f.*; Sibsagar, March 1880, G. Mann *s. n.*, Acc. No. 14815.

Spiradiclis bifida Kurz; Khasi Hills, July 1876, G. Mann 457, Acc. No. 13535.

Tamilnadia uliginosa (Retzius) Tirvengadam & Sastre; ?, ?, G. Mann 111, Acc. No. 13858.

Tarenna disperma (Hooker *f.*) Pitard; Nambar forest, February 1880, G. Mann *s. n.*, Acc. No. 13788.

Tarennoidea wallichii (Hooker *f.*) Tirvengadam & Sastre; Khasi Hills, September 1879, G. Mann 1088, Acc. No. 13949.

Uncaria macrophylla Wallich; ?, March 1877, G. Mann 730, Acc. No. 13185.

Uncaria scandens (Smith) Hutchinson; Jaintia Hills, May 1878, G. Mann 754, Acc. No. 13172.

Uncaria sessilifructus Roxburgh; Goalpara, December 1877, G. Mann 703, Acc. No. 13201.

Wendlandia tinctoria (Roxburgh) DC.; ?, ?, G. Mann 23, Acc. No. 13410.

Wendlandia budleioides Wallich *ex* Wight & Arnott; Kamrup, September 1879, G. Mann *s. n.*, Acc. No. 13375.

Wendlandia wallichii Wight & Arnott; Khasi Hills, November 1873, G. Mann *s. n.*, Acc. No. 13339.

Valerianaceae

Valeriana hardwickii Wallich; Khasi Hills, June 1878, G. Mann 300, Acc. No. 15073.

Valeriana jatamansi Jones; Khasi Hills, May 1876, G. Mann 189, Acc. No. 15056.

Dipsacaceae

Dipsacus asper Wallich; Khasi Hills, November 1877, G. Mann 637, Acc. No. 14996.

Dipsacus inermis Wallich; ?, ?, G. Mann 323, Acc. No. 14987.

Asteraceae

Adenostemma lavenia (Linnaeus) Kuntze; ?, ?, G. Mann 12, Acc. No. 15194.

Ageratum conyzoides (Linnaeus) Linnaeus; Plains of Assam, ?, G. Mann 508, Acc. No. 15207.

Ainsliaea latifolia (D. Don) Schultz Bipontinus; Khasi Hills, December 1879, G. Mann 87, Acc. No. 15983.

Anaphalis adnata Wallich *ex* DC.; Khasi Hills, November 1877, G. Mann 634, Acc. No. 15523.

Anaphalis busua (Buchanan-Hamilton) DC.; Khasi Hills, November 1877, G. Mann 632, Acc. No. 15539.

Anaphalis contorta (D. Don) Hooker *f.*; Khasi Hills, November 1877, G. Mann 633, Acc. No. 15545.

- Anaphalis margaritacea* (Linnaeus) Benth & Hooker *f.*; Khasi Hills, ?, G. Mann 273, Acc. No. 15514.
- Artemisia parviflora* D. Don; ?, ?, G. Mann 295, Acc. No. 15820.
- Aster trinervius* Roxburgh *ex* D. Don; ?, ?, G. Mann- 262, Acc. No. 15311.
- Blainvillea acmella* (Linnaeus) Philipson; ?, August 1879, G. Mann 238, Acc. No. 15691.
- Blumea balsamifera* (Linnaeus) DC.; Khasi Hills, March 1876, G. Mann 37, Acc. No. 15452.
- Blumea densiflora* DC.; Sibsagar, January 1878, G. Mann 688, Acc. No. 15454.
- Blumea hieraciifolia* (D. Don) DC.; Lower Assam, April 1876, G. Mann *s. n.*, Acc. No. 15474
- Blumea lacera* (Burman *f.*) DC.; Khasi Hills, ?, G. Mann 71, Acc. No. 15435.
- Blumea lanceolaria* (Roxburgh) Druce; Nambar forest, February 1877, G. Mann 716.
- Blumea oxyodonta* DC.; Lower Assam, March 1876, G. Mann 52, Acc. No. 15471.
- Blumea repanda* (Roxburgh) Handel-Mazzetti; Plains of Assam, November 1877, G. Mann *s. n.*, Acc. No. 15436.
- Blumeopsis falcata* (D. Don) Merrill; ?, ?, G. Mann 101, Acc. No. 15491.
- Carpesium cernuum* Linnaeus; Khasi Hills, August 1878, G. Mann 392, Acc. No. 15631.
- Chrysanthemum coronarium* Linnaeus; ?, ?, G. Mann *s. n.*, Acc. No. 15777.
- Cirsium verutum* (D. Don) Sprengel; Khasi Hills, September 1879, G. Mann 382, Acc. No. 15965
- Conyza stricta* Willdenow; Khasi Hills, November 1877, G. Mann 597, Acc. No. 15426; Khasi Hills, ?, G. Mann 204, Acc. No. 15424.
- Cotula hemisphaerica* (DC.) Wallich *ex* C.B. Clarke; ?, ?, G. Mann *s. n.*, Acc. No. 15789.
- Cyanthillium cinereum* (Linnaeus) H. Robinson; ?, Nov. 1877, G. Mann 401, Acc. No. 15117.
- Dichrocephala integrifolia* (Linnaeus *f.*) Kuntze; ?, ?, G. Mann *s. n.*, Acc. No. 15300.
- Elephantopus scaber* Linnaeus; ?, ?, G. Mann 19, Acc. No. 15180.
- Emilia sonchifolia* (Linnaeus) DC. *ex* DC.; ?, ?, G. Mann 186, Acc. No. 15845.
- Erigeron bellidioides* (Buchanan-Hamilton *ex* D. Don) Benth *ex* C. B. Clarke; Khasi Hills, April 1876, G. Mann 438, Acc. No. 15370.
- Eupatorium cannabinum* Linnaeus; Khasi Hills, June 1878, G. Mann 1167, Acc. No. 15268.
- Eupatorium wallichii* DC.; ?, ?, G. Mann *s. n.*, Acc. No. 15262.
- Galinsoga parviflora* Cavanilles; Plains of Assam, November 1877, G. Mann 404, Acc. No. 15760.
- Gerbera maxima* (D. Don) Beauverd; Khasi Hills, October 1879, G. Mann 221, Acc. No. 16063.
- Gerbera piloselloides* (Linnaeus) Cassini; Khasi Hills, April 1878, G. Mann 878, Acc. No. 16053
- Gnaphalium hypoleucum* DC.; Khasi Hills, September 1878, G. Mann 497, Acc. No. 15576.
- Gynura cusimbua* (D. Don) S. Moore; Khasi Hills, November 1877, G. Mann 581, Acc. No. 15731.
- Inula cappa* (Buchanan-Hamilton *ex* D. Don) DC.; Khasi Hills, June 1878, G. Mann 1186, Acc. No. 15605.
- Inula eupatorioides* Wallich *ex* DC.; Khasi Hills, September 1878, G. Mann 216, Acc. No. 15623
- Inula kalapani* C.B. Clarke; Khasi Hills, June 1878, G. Mann 543, Acc. No. 15586.
- Laggera alata* (D. Don) Schultz Bipontinus *ex* Oliver; ?, ?, G. Mann 45, Acc. No. 15497.
- Senecio macranthus* C.B. Clarke; Khasi Hills, June 1878, G. Mann 569, Acc. No. 15918.

- Myriactis nepalensis* Lessing; ?, ?, G. Mann 186, Acc. No.15318.
- Picris hieracioides* Linnaeus; Khasi Hills, August 1879, G. Mann 395, Acc. No. 16079.
- Prenanthes hookeri* C.B. Clarke *ex* Hooker *f.*; Khasi Hills, October1879, G. Mann 274, Acc. No.16141.
- Saussurea deltoidea* (DC.) Schultz Bipontinus; Khasi Hills, November 1877, G. Mann 639, Acc. No. 16012.
- Senecio densiflorus* Wallich; Khasi Hills, November 1873, G. Mann *s. n.*, Acc. No. 15870.
- Senecio laetus* Edgeworth; Khasi Hills, May 1878, G. Mann 852, Acc. No.15948.
- Senecio linifolius* C.B. Clarke; Khasi Hills, October 1878, G. Mann 156, Acc. No.15883.
- Senecio obtusatus* Wallich; Khasi Hills, May 1879, G. Mann 185, Acc. No. 15933.
- Sigesbeckia orientalis* Linnaeus; Khasi Hills, September 1878, G. Mann *s. n.*, Acc. No. 15699.
- Solidago virgaurea* Linnaeus; ?, ?, G. Mann 161, Acc. No. 15287.
- Sphaeranthus indicus* Linnaeus; Goalpara, February 1879, G. Mann *s. n.*, Acc. No.15558.
- Spilanthes acmella* (Linnaeus) Linnaeus; Khasi Hills, August1879, G. Mann151, Acc. 15665.
- Vernonia arborea* Buchanan-Hamilton; ?, ?, G. Mann *s. n.*, Acc. No. 15167.
- Vernonia saligna* DC.; Plains of Assam, November1877, G. Mann 452, Acc. No. 15033.
- Vernonia subsessilis* DC.; Khashi Hills, 1879, G. Mann 74, Acc. No. 15085.
- Vernonia vagans* DC.; Lakhimpur, January1878, G. Mann 538, Acc. No. 15152.
- Vernonia volkameriifolia* DC.; ?, ?, G. Mann193, Acc. No.15168.
- Youngia fuscipappa* Thwaites; Khasi Hills, June 1878, G. Mann 548, Acc. No.16038.
- Youngia japonica* (Linnaeus) DC.; Lower Assam, March 1876, G. Mann 60, Acc.No. 16027
- Youngia silhetensis* (DC.) Babcock & Stebbins; Goalpara, February1879, G. Mann108, Acc.16033.

Campanulaceae

- Adenophora khasiana* (Hooker *f.* & Thomson) Oliv. *Ex* Collett & HemsLinnaeus; Khasi Hills, ?, G. Mann 89, Acc. No.16310.
- Campanula pallida* Wallich; Khasi Hills, Augugust 1878, G. Mann 481, Acc. No.16321.
- Codonopsis javanica* (Blume) Hooker *f.* & Thomson; ?, ?, G. Mann *s. n.*, Acc. No. 16277.
- Cyclocodon parviflorus* (Wallich *ex* A. DC.) Hooker *f.* & Thomson; Khasi Hills, August 1880, G. Mann *s. n.*, Acc. No.16287.
- Wahlenbergia gracilis* (G. Forster) A. DC.; G. Mann- 258, Khasi Hills, June1876, Acc. No. 16249.
- Wahlenbergia hookeri* (C.B. Clarke) P. Tuyn; ?, ?, G. Mann 81, Acc. No.16251.

Lobeliaceae

- Lobelia angulata* G. Forster; Khasi Hills, July 1878, G. Mann1143, Acc. No.16257.
- Lobelia pyramidalis* Wallich; Khasi Hills, April1877, G. Mann 217, Acc. No.16228.
- Lobelia affinis* Wallich; Upper Dehing, January 1878, G. Mann 539, Acc. No.16194.

Ericaceae

- Gaultheria fragrantissima* Wallich; Khasi Hills, April 1877, G. Mann 214, Acc.No.16639.

Lyonia ovalifolia (Wallich) Drude; Khasi Hills, October 1876, G. Mann *s. n.*, Acc. No.16596.

Lyonia ovalifolia (Wallich) Drude var. *elliptica* (Siebold & Zucc.) Hand.-Mazz.; Khasi Hills, May 1877, G. Mann 304, Acc. No.16597.

Rhododendron arboreum Smith; Khasi Hills, April 1876, G. Mann *s. n.*, Acc. No.16749.

Rhododendron formosum Wallich; Shillong, March 1886, G. Mann *s. n.*, Acc. No.16684.

Monotropaceae

Monotropastrum humile (D. Don) H. Hara. ; Khasi Hills, May 1878, G. Mann 738, Acc. No.16762.

Plumbaginaceae

Plumbago zeylanica Linnaeus; ?, April 1877, G. Mann 44, Acc. No. 16768.

Primulaceae

Lysimachia deltoidea Wight; Khasi Hills, August 1880, G. Mann *s.n.*, Acc. No.16858.

Lysimachia evalvis Wallich; Khasi Hills, June 1877, G. Mann 115, Acc. No.16839.

Lysimachia laxa F. Baudo; Khasi Hills, May 1877, G. Mann 174, Acc. No.16824.

Primula denticulata Smith; Khasi Hills, March 1877, G. Mann 180, Acc. No. 16790.

Myrsinaceae

Amblyanthus glandulosus (Roxburgh) A. DC.; Khasi Hills, July 1876, G. Mann 451, Acc. No. 17431.

Antistrophe oxyantha (Wallich *ex* A. DC.) A. DC.; ?, ?, G. Mann 131, Acc. No.17408.

Ardisia crispa (Thunberg) A. DC.; Khasi Hills, May 1877, G. Mann 163, Acc. No.1729.

Ardisia depressa C.B. Clarke; Khasi Hills, June 1879, G. Mann 341, Acc. No.17223.

Ardisia griffithii C.B. Clarke; Jaintia Hills, May 1878, G. Mann *s. n.*, Acc. No. 17326.

Ardisia humilis Vahl; Khasi Hills, June 1878, G. Mann *s. n.*, Acc. No.17387.

Ardisia neriifolia Wallich *ex* A. DC.; ?, ?, G. Mann 34, Acc. No.17266.

Ardisia paniculata Roxburgh; ?, April 1880, G. Mann *s. n.*, Acc. No.17161.

Ardisia pedunculosa Wallich; Khasi Hills, November 1878, G. Mann *s. n.*, Acc. No.17340.

Ardisia polysticta Miquel; ?, ?, G. Mann 470, Acc. No.17305.

Ardisia rhynchophylla C.B. Clarke; Jaintia Hills, May 1878, G. Mann 910, Acc. No. 17377.

Ardisia thomsonii Mez; ?, April 1877, G. Mann 86, Acc. No.17365.

Ardisia thyrsofolia D. Don; Khasi Hills, June 1879, G. Mann 81, Acc. No.17246.

Embelia floribunda Wallich; Kamrup, March 1878, G. Mann 798, Acc. No.17078.

Embelia nutans Wallich; Goalpara, February 1879, G. Mann *s. n.*, Acc. No.17184.

Embelia subcoriacea (C.B. Clarke) Mez; Khasi Hills, May 1877, G. Mann 221, Acc. No. 10795.

Embelia tsjeriam-cottam (Roemer & Schultes) A. DC.; Khasi Hills, June 1876, G. Mann 360, Acc. No.17124.

Hymenandra wallichii A. DC.; Khasi Hills, June 1876, G. Mann 312, Acc. No.17416, 17415.

Maesa indica (Roxburgh) A. DC.; Nambar Forest, February 1877, G. Mann 731, Acc. No. 19614.

Maesa macrophylla Wallich; Khasi Hills, April 1877, G. Mann 57, Acc. No. 16878.

Myrsine khasyana Kurz; Khasi Hills, May 1877, G. Mann 204, Acc. No. 17023.

Rapanea capitellata (Wallich) Mez; Khasi Hills, June 1877, G. Mann 119, Acc. No. 17003.

Sapotaceae

Mimusops elengi Linnaeus; Guwahati, December 1873, G. Mann 52, Acc. No. 17480.

Palaquium polyanthum (Wallich ex G. Don) Bailin; Linnaeus; Cachar, February 1886, G. Mann s. n., Acc. No. 40728.

Xantolis assamica (C.B. Clarke) P. Royen; Kamrup, March 1878, G. Mann 801, Acc. No. 17495

Ebenaceae

Diospyros lanceifolia Roxburgh; Khasi Hills, July 1877, G. Mann 275, Acc. No. 17705.

Diospyros malabarica (Desrousseaux) V. F. Kosteletzky; Guwahati, December 1873, G. Mann 49, Acc. No. 17584.

Diospyros montana Roxburgh; Cachar, April 1877, G. Mann 252, Acc. No. 17558.

Diospyros racemosa Roxburgh; Cachar, March 1875, G. Mann s. n., Acc. No. 41856.

Diospyros variegata Kurz; Lower Khasi Hills, April 1876, G. Mann 172, Acc. No. 17643.

Symplocaceae

Symplocos ferruginea Roxburgh; ?, May 1884, G. Mann s. n., Acc. No. 17806.

Symplocos cochinchinensis var. *laurina* (Retzius) Nooteboom; Khasi Hills, June 1878, G. Mann s. n., Acc. No. 17743.

Symplocos grandiflora Wallich; Upper Dehing, ?, G. Mann Acc. No. 17963.

Symplocos oxyphylla Wallich; Shillong Peak, April 1878, G. Mann 867, Acc. No. 17845.

Symplocos paniculata Miquel; Khasi Hills, June 1876, G. Mann 535, Acc. No. 17784.

Symplocos racemosa Roxburgh; ?, ?, G. Mann 107, Acc. No. 17927.

Symplocos sumuntia Buchanan-Hamilton ex D. Don; Khasi Hills, August 1881, G. Mann s. n., Acc. No. 17941.

Styracaceae

Styrax serrulatus Roxburgh; Khasi Hills, June 1877, G. Mann 289, Acc. No. 18074; Lower Assam, April 1876, G. Mann s. n., Acc. No. 40799.

Oleaceae

Jasminum rottlerianum Wallich ex DC.; ?, April 1877, G. Mann 55, Acc. No. 18139, 18138.

Jasminum dispersum Wallich; ?, ?, G. Mann 206, Acc. No. 18262.

Jasminum multiflorum (Burman f.) Andrews; ?, ?, G. Mann 325, Acc. No. 37674.

Jasminum sambac (Linnaeus) Aiton; ?, ?, G. Mann 125, Acc. No. 1807.

Jasminum scandens (Retzius) Vahl; ?, ?, G. Mann 137, Acc. No. 18250.

Ligustrum confusum Decaisne; Khasi Hills, July 1879, G. Mann 418, Acc. No. 18584.

Ligustrum lindleyi (Wallich ex G. Don) P. S. Green; Khasi Hills, June 1876, G. Mann 534, Acc. No. 18572, 18573.

Ligustrum myrsinites Decaisne; Khasi Hills, July 1876, G. Mann 410, Acc. No. 18599.

Ligustrum nepalense Wallich; Khasi Hills, July 1881, G. Mann 228, Acc. No. 18493.

Ligustrum robustum (Roxburgh) Blume; ?, ?, G. Mann- 90, Acc. No. 18520.

Olea dioica Roxburgh; Khasi Hills, March 1883, G. Mann 66, Acc. No. 18373, 18372.

Olea salicifolia Wallich *ex* G. Don; Khasi Hills, July 1877, G. Mann 319, Acc. No. 18388.

Apocynaceae

Alstonia scholaris (Linnaeus) R. Brown; Cachar, April 1885, G. Mann *s. n.*, Acc. No. 18736.

Chonemorpha fragrans (Moon) Alston; Khasi Hills, June 1876, G. Mann 311, Acc. No. 18899, 18907.

Ichnocarpus frutescens (Linnaeus) W.T. Aiton; Nambar forest, May 1884, G. Mann *s. n.*, Acc. No. 19046.

Melodinus cochinchinensis (Loureiro) Merrill; Khasi Hills, June 1877, G. Mann 138, Acc. No. 18632.

Micrechites polyanthus (Blume) Miquel; Khasi Hills, August 1879, G. Mann *s. n.*, Acc. No. 19071.

Rauwolfia serpentina (Linnaeus) Benth *ex* Kurz; Lower Assam, June 1876, G. Mann 154, Acc. No. 18670.

Rauwolfia verticillata (Loureiro) Baillon; Khasi Hills, August 1880, G. Mann *s. n.*, Acc. No. 18694.

Tabernaemontana divericata (Linnaeus) R. Brown *ex* Roemer & Schultes; Plains of Assam, Nov. 1877, G. Mann 429, Acc. No. 18779; Goalpara, ?, G. Mann 471, Acc. No. 18776.

Vallisneria spiralis (L.) Kuntze; Kamrup, March 1878, G. Mann 947, Acc. No. 18828; Lower Assam, April 1876, G. Mann *s. n.* Acc. No. 18827.

Wrightia antidysenterica (Linnaeus) R. Brown; Lower Assam, April 1876, G. Mann *s. n.*, Acc. No. 18744.

Asclepiadaceae

Asclepias curassavica Linnaeus; Plains of Assam, November 1877, G. Mann 428, Acc. No. 19153; Sylhet, February 1888, G. Mann *s. n.*, Acc. No. 19152.

Ceropegia longifolia Wallich; Khasi Hills, Khasi Hills, July 1883, G. Mann *s. n.*, Acc. No. 19390

Ceropegia pubescens Wallich; Khasi Hills, September 1879, G. Mann *s. n.*, Acc. No. 19399.

Cynanchum stenophyllum Hemsley; ?, ?, G. Mann 224, Acc. No. 19183.

Cynanchum wallichii Wight; Khasi Hills, August 1883, G. Mann *s. n.*, Acc. No. 19169.

Cynanchum triangulare M.G. Gilbert, W. D. Stevens & P. T. Li; Khasi Hills, June 1876, G. Mann 284, Acc. No. 19180.

Heterostemma alatum Wight & Arnott; Khasi Hills, August 1883, G. Mann *s. n.*, Acc. No. 19291.

Hoya fusca Wallich; Khasi Hills, August 1881, G. Mann *s. n.*, Acc. No. 19360.

Stelmocrypton khasianum (Kurz) Baillon; Khasi Hills, June 1876, G. Mann 357, Acc. No. 19124.

Streptocaulon sylvestre Wight; ?, ?, G. Mann 116, Acc. No. 19010.

Buddlejaceae

Buddleja asiatica Loureiro; Khasi Hills, April 1877, G. Mann 212, Acc. No. 19415.

Buddleja macrostachya Benthams; Khasi Hills, November 1873, G. Mann-*s. n.*, Acc. No. 19450.

Strychnaceae

Gardneria ovata Wallich; Khasi Hills, June 1877, G. Mann *s. n.*, Acc. No. 19535.

Gentianaceae

Canscora alata (Roth) Wallich; Garo Hills, January 1881, G. Mann *s. n.*, Acc. No. 19624.

Canscora andrographioides Griffith *ex* C.B. Clarke; ?, ?, G. Mann *s. n.*, Acc. No. 19633.

Crawfurdia campanulacea Wallich *ex* Griffith *ex* C.B. Clarke; Cachar, December 1878, G. Mann *s. n.*, Acc. No. 19556.

Exacum tetragonum Roxburgh; Khasi Hills, September 1874, G. Mann *s. n.*, Acc. No. 19650.

Fagraea ceilanica Thunberg; Khasi Hills, July 1881, G. Mann *s. n.*, Acc. No. 19485.

Gentiana quadrifaria Blume; Garo Hills, January 1881, G. Mann *s. n.*, Acc. No. 19591.

Swertia pulchella Buchanan-Hamilton *ex* D. Don; ?, ?, G. Mann 267, Acc. No. 19622.

Tripterospermum fasciculatum (Wallich) Chater; ?, ?, G. Mann *s. n.*, Acc. No. 19572.

Menyanthaceae

Nymphoides cristata (Roxburgh) Kuntze; Lower Assam, March 1876, G. Mann 58, Acc. No. 19689.

Hydrophyllaceae

Hydrolea zeylanica (Linnaeus) Vahl; Plains of Assam, November 1877, G. Mann 409, Acc. No. 19702.

Boraginaceae

Cordia myxa Linnaeus; Khasi Hills, June 1877, G. Mann 126, Acc. No. 40815.

Cynoglossum zeylanicum (Lehmann) Brand; Khasi Hills, June 1876, G. Mann 586, Acc. No. 19743.

Ehretia acuminata R. Brown; Khasi Hills, June 1876, G. Mann 221, Acc. No. 19820.

Convolvulaceae

Argyreia aggregata (Roxburgh) Choisy; ?, ?, G. Mann 430, Acc. No. 19938.

Argyreia roxburghii (Wallich) Arnott *ex* Choisy; Khasi Hills, July 1877, G. Mann 941, Acc. No. 19956.

Argyreia capitiformis (Poiret) Ooststroom; Cachar, November 1878, G. Mann *s. n.*, Acc. No. 19985.

Dinetus racemosus (Roxburgh) Buchanan-Hamilton *ex* Sweet; Khasi Hills, October 1879, G. Mann *s. n.*, Acc. No. 20094.

Erycibe paniculata Roxburgh; ?, ?, G. Mann 247, Acc. No. 19926.

Ipomoea aquatica Forsskål; Plains of Assam, November 1877, G. Mann 438, Acc. No. 19835

Ipomoea obscura (Linnaeus) Ker Gawler; Plains of Assam, November 1877, G. Mann 445, Acc. No. 20030.

Ipomoea pileata Roxburgh; ?, ?, G. Mann 37, Acc. No. 20046.

Merremia hirta (Linnaeus) Merrill; Khasi Hills, ?, G. Mann *s. n.*, Acc. No. 20024.

Poranopsis paniculata (Roxburgh) Robert; Plains of Assam, December 1877, G. Mann 458, Acc. No. 20064.

Solanaceae

Brugmansia suaveolens (Humboldt & Bonpland *ex* Willdenow) Bercht. & C. Presl; Khasi Hills, June 1878, G. Mann *s. n.*, Acc. No. 20341.

Lycium europaeum Linnaeus; Shillong, August 1876, G. Mann 111, Acc. No. 20205.

Nicandra physalodes (Linnaeus) Gaertner; Khasi Hills, August 1878, G. Mann *s. n.*, Acc. No. 20194.

Physalis peruviana Linnaeus; Khasi Hills, August 1878, G. Mann *s. n.*, Acc. No. 20183.

Solanum americanum Miller; Plains of Assam, October 1877, G. Mann 413, Acc. No. 20124.

Solanum anguivi Lamarck; Plains of Assam, November 1877, G. Mann 437, Acc. No. 20210.

Solanum khasianum C.B. Clarke; Shillong, November 1877, G. Mann 646, Acc. No. 20236.

Solanum crassipetalum Nees; Khasi Hills, September 1878, G. Mann *s. n.*, Acc. No. 20156.

Solanum verbascifolium Linnaeus; Plains of Assam, November 1877, G. Mann 435, Acc. No. 20166.

Solanum ferox Linnaeus; Khasi Hills, May 1877, G. Mann 305, Acc. No. 20267.

Solanum kurzii Prain; Shillong, July 1979, G. Mann 373, Acc. No. 20222.

Solanum sisymbriifolium Lamarck; Khasi Hills, July 1878, G. Mann 1152, Acc. No. 20298.

Solanum spirale Roxburgh; Khasi Hills, July 1879, G. Mann *s. n.*, Acc. No. 20137; Lakhimpur, January 1878, G. Mann 507, Acc. No. 20136; Goalpara, Jan. 1886, G. Mann *s. n.*, Acc. No. 20138.

Solanum torvum Swartz; Goalpara, August 1877, G. Mann *s. n.*, Acc. No. 20254.

Scrophulariaceae

Adenosma indianum (Loureiro) Merrill; ?, ?, G. Mann *s. n.*, Acc. No. 40827.

Bonnaya veronicifolia (Retzius) Sprengel; Lower Assam, April 1876, G. Mann *s. n.*, Acc. No. 20471.

Buchnera cruciata Buchanan-Hamilton *ex* D. Don; Khasi Hills, October 1881, G. Mann *s. n.*, Acc. No. 20563.

Centranthera grandiflora Bentham; Khasi Hills, June 1976, G. Mann 272, Acc. No. 20583.

Hemiphragma heterophyllum Wallich; Khasi Hills, September 1878, G. Mann *s. n.*, Acc. No. 20530.

Limnophila chinensis (Osbeck) Merrill; Goalpara, December 1885, G. Mann *s. n.*, Acc. No. 20447.

Limnophila sessiliflora (Vahl) Blume; ?, April 1877, G. Mann 73, Acc. No. 20460.

Lindenbergia urticifolia Lehmann; Khasi Hills, August 1883, G. Mann *s. n.*, Acc. No. 20425.

Mazus rugosus Loureiro; ?, ?, G. Mann 198, Acc. No. 20406.

Melampyrum indicum Hooker *f.* & Thomson; Khasi Hills, July 1877, G. Mann 491, Acc. No. 20618.

Pedicularis carnosus Wallich; Khasi Hills, July 1876, G. Mann *s. n.*, Acc. No. 20642.

Scoparia dulcis Linnaeus; Khasi Hills, June 1876, G. Mann 578, Acc. No. 20502.

Scrophularia elatior Wallich *ex* Bentham; ?, ?, G. Mann 259, Acc. No. 20411.

Sopubia trifida Buchanan-Hamilton *ex* D. Don; Khasi Hills, July 1883, G. Mann *s. n.*, Acc. No. 20608.

Striga asiatica (Linnaeus) Kuntze; ?, ?, G. Mann 78, Acc. No. 20574.

Torenia asiatica Linnaeus; ?, ?, G. Mann s. n., Acc. No. 20376.

Torenia vagans Roxburgh; Khasi Hills, August 1879, G. Mann s. n., Acc. No. 20378.

Veronica anagallis-aquatica Linnaeus; ?, April 1877, G. Mann s. n., Acc. No. 20542.

Orobanchaceae

Aeginetia indica Linnaeus; Jaintia Hills, August 1883, G. Mann s. n., Acc. No. 20685.

Lentibularaceae

Utricularia bifida Linnaeus; ?, ?, G. Mann 155, Acc. No. 20723.

Gesneriaceae

Aeschynanthus acuminatus Wallich ex A. DC.; Chardwar, March 1880, G. Mann 725, Acc. No. 20747.

Aeschynanthus bracteatus Wallich ex A. DC.; Khasi Hills, August 1880, G. Mann s. n., Acc. No. 20775; Jaintia Hills, September 1886, G. Mann s. n., Acc. No. 20778.

Aeschynanthus mannii Kurz ex C.B. Clarke; Garo Hills, April 1886, G. Mann 99, Acc. No. 20746

Aeschynanthus gracilis Parish ex C.B. Clarke; Upper Dehing, March 1880, G. Mann s. n., Acc. No. 20744.

Aeschynanthus parasiticus (Roxburgh) Wallich; Khasi Hills, July 1876, G. Mann 474, Acc. No. 20728.

Aeschynanthus superbus C.B. Clarke; ?, ?, G. Mann 421, Acc. No. 20801.

Boea multiflora R. Brown; Khasi Hills, July 1883, G. Mann s. n., Acc. No. 20968.

Boeica filiformis C.B. Clarke; Upper Dehing, March 1880, G. Mann Acc. No. 20953.

Chirita macrophylla Wallich; Khasi Hills, July 1883, G. Mann s. n., Acc. No. 20908.

Chirita oblongifolia (Roxburgh) J. Sinclair; Khasi Hills, August 1883, G. Mann s. n., Acc. No. 20927.

Chirita pumila D. Don; Khasi Hills, August 1883, G. Mann s. n., Acc. No. 20893.

Corallodiscus lanuginosus (Wallich ex DC.) B.L. Burt; Khasi Hills, August 1880, G. Mann s. n., Acc. No. 20880.

Didymocarpus hookeri C.B. Clarke; ?, ?, G. Mann- s. n., Acc. No. 20865, 20864 & 20862.

Didymocarpus punduanus Wallich ex R. Brown; Khasi Hills, August 1885, G. Mann s. n., Acc. No. 20847.

Epithema carnosum Bentham; Jaintia Hills, August 1883, G. Mann s. n., Acc. No. 21020.

Lysionotus serratus D. Don; Bishop Falls, August 1886, G. Mann s. n., Acc. No. 20819.

Rhynchoglossum obliquum Blume; Khasi Hills, October 1879, G. Mann s. n., Acc. No. 21012

Rhyncholechum ellipticum (Wallich ex D. Dietrich) A. DC.; ?, April 1877, G. Mann 419, Acc. No. 20989.

Rhyncholechum vestitum Wallich ex C.B. Clarke; ?, April 1877, G. Mann 88, Acc. No. 21005

Bignoniaceae

Oroxylum indicum (Linnaeus) Kurz; Nambar forest, ?, G. Mann 15, Acc. No. 21103.

Pajanelia longifolia (Willdenow) K. Schumann; Sylhet, February 1886, G. Mann s. n., Acc. No. 21086.

Stereospermum personatum (Hasskarl) Chatterjee; Nambar Forest, May 1884, G. Mann *s. n.*, Acc. No. 21098; Khasi Hills, June 1877, G. Mann 282, Acc. No. 21100.

Acanthaceae

Acanthus leucostachyus Wallich *ex* Nees; Kamrup, March 1878, G. Mann 949, Acc. No. 21510

Adhatoda vasica Nees; Goalpara, September 1879, G. Mann *s. n.*, Acc. No. 21797.

Codonacanthus pauciflorus (Nees) Nees; Darrang, March 1877, G. Mann 727, Acc. No. 21593

Dicliptera chinensis (Linnaeus) A. Jussieu; ?, April 1877, G. Mann *s. n.*, Acc. No. 21827.

Eranthemum palatiferum (Wallich *ex* Nees) Nees; Lower Assam, March 1876, G. Mann *s. n.*, Acc. No. 21563.

Eranthemum pulchellum Andrews; Kamrup, September 1879, G. Mann *s. n.*, Acc. No. 21247

Hygrophila polysperma (Roxburgh) T. Anderson; Kamrup, November 1877, G. Mann 403, Acc. No. 21206.

Justicia gendarussa Burman *f.*; Lower Assam, March 1876, G. Mann *s. n.*, Acc. No. 21718.

Justicia japonica Thunberg; Lakhimpur, January 1878, G. Mann 523, Acc. No. 21762.

Justicia khasiana C.B. Clarke; Khasi Hills, July 1878, G. Mann 1138, Acc. No. 21754.

Justicia salicifolia T. Anderson; ?, ?, G. Mann *s. n.*, Acc. No. 21709.

Lepidagathis hyalina Nees; Lower Assam, December 1877, G. Mann 460, Acc. No. 21778.

Phlogacanthus asperulus Nees; Jaintia Hills, May 1878, G. Mann 745, Acc. No. 21672.

Phlogacanthus curviflorus Nees; Garo Hills, January 1884, G. Mann *s. n.*, Acc. No. 21620.

Phlogacanthus thyrsiflorus Nees; ?, April 1877, G. Mann 53, Acc. No. 21642.

Phlogacanthus tubiflorus Nees; Khasi Hills, January 1879, G. Mann *s. n.*, Acc. No. 21664.

Rungia parviflora Nees; Khasi Hills, December 1877, G. Mann 415, Acc. No. 21826.

Strobilanthesacrocephala T. Anderson; Khasi Hills, September 1878, G. Mann *s. n.*, Acc. No. 21341.

Strobilanthesagrestis C.B. Clarke; Khasi Hills, September 1881, G. Mann *s. n.*, Acc. No. 21408

Strobilanthescolorata T. Anderson; Khasi Hills, July 1878, G. Mann 1041, Acc. No. 21483.

Thunbergiaceae

Thunbergia alata Bojer *ex* Sims; Nambar forest, May 84, G. Mann *s. n.*, Acc. No. 21146.

Thunbergia coccinea Wallich; Upper Dehing, January 1878, G. Mann *s. n.*, Acc. No. 21163.

Verbenaceae

Callicarpa arborea Roxburgh; Upper Dehing, January 1878, G. Mann 525, Acc. No. 21919; Khasi Hills, June 1876, G. Mann 249, Acc. No. 21917.

Callicarpa longifolia Lamarck; Goalpara, August 1877, G. Mann *s. n.*, Acc. No. 22020.

Callicarpa macrophylla Vahl; Goalpara, December 1877, G. Mann 666, Acc. No. 21963; Khasi Hills, November 1877, G. Mann 424, Acc. No. 21962; Nambar Forest, May 1884, G. Mann *s. n.*, Acc. No. 21966.

Callicarpa psilocalyx C.B. Clarke; Khasi Hills, May 1886, G. Mann 775, Acc. No. 21998; January 1878, G. Mann 533, Acc. No. 22000.

Callicarpa rubella Lindley; Khasi Hills, November 1873, G. Mann *s. n.*, Acc. No. 21964; June 1878, G. Mann 558, Acc. No. 21976.

Clerodendrum bracteatum Wallich *ex* Walpers; Khasi Hills, August 1880, G. Mann *s. n.*, Acc. No. 22498.

Clerodendrum chinense (Osbeck) Mabberley; ?, April 1877, G. Mann *s. n.*, Acc.No. 22379

Clerodendrum glandulosum Lindley; Khasi Hills, January 1879, G. Mann *s.n.*, Acc.No. 22539

Clerodendrum hastatum (Roxburgh) Lindley; Khasi Hills, June 1877, G. Mann 153, Acc. No. 22473.

Clerodendrum indicum (Linnaeus) Kuntze; Kamrup, November 1879, G. Mann *s. n.*, Acc. No. 22461; Sylhet, November 1878, G. Mann *s. n.*, Acc. No. 22460.

Clerodendrum infortunatum Linnaeus; Golaghat, February 1880, G. Mann *s. n.*, Acc. No. 22450; Nambar forest, March 1879, G. Mann *s. n.*, Acc. No. 22446.

Clerodendrum serratum Sprengel; Khasi Hills, June 1778, G. Mann 1179, Acc. No. 22387.

Clerodendrum wallichii Merrill; Upper Dehing Forest, March 1880, G. Mann *s. n.*, Acc. No. 224226, 709, Nambar forest, February 1877, G. Mann *s. n.*, Acc. No. 22428;

Gmelina arborea Roxburgh; Khasi Hills, May 1877, G. Mann 307, Acc. No. 22118.

Holmskioldia sanguinea Retzius; Garo Hills, December 1880, G. Mann *s. n.*, Acc. No. 22569; Khasi Hills, October 1878, G. Mann *s. n.*, Acc. No. 22570.

Lippia alba (Miller) N. E. Brown *ex* Britton & P. Wilson; Goalpara, December 1879, G. Mann Acc. No. 21881; Plains of Assam, Nov. 1877, G. Mann 446, Acc. No. 21880.

Premna barbata Wallich *ex* Schauer; ?, ?, G. Mann 145, Acc. No. 22085.

Premna bengalensis C.B. Clarke; Nambar Forest, May 1884, G. Mann *s n.*, Acc. No. 22040; Kamrup, July 1873, G2 mann 7, Acc. No. 22052.

Premna herbacea Roxburgh; Lower Assam, March 1876, G. Mann *s. n.*, Acc. No. 22108.

Premna milleflora C.B. Clarke; Khasi Hills, June 1878, G. Mann *s. n.*, Acc. No. 22063.

Premna mollissima Roth; Lower Assam, April 76, G. Mann 19, Acc. No. 22074.

Premna pinguis C.B. Clarke; Lower Khasi Hills, April 1876, G. Mann 167, Acc. No. 22099.

Premna punduana Wallich *ex* Schauer; Khas Hills, June 1877, G. Mann 144, Acc. No. 22050; June 1877, G. Mann 130, Acc. No. 22051.

Premna racemosa Wallich *ex* Schauer; Khasi Hills, June 1877, G. Mann 133, Acc.No. 22129

Sphenodesme pentandra Jack; Khasi Hills, April 1877, G. Mann 246, Acc. No. 22581.

Stachytarpheta indica (Linnaeus) Vahl; Khasi Hills, ?, G. Mann 46, Acc. No. 21897.

Tectona grandis Linnaeus *f.*; Cultivated in Assam, G. Mann *s.n.*, Acc.No. 22023, 22024, 22025

Verbena officinalis Linnaeus; Khasi Hills, June 1876, G. Mann 253, Acc. No. 21872.

Vitex canescens Kurz; G. Lower Assam, April 1876, Mann 166, Acc. No. 22335; Khasi Hills, June 1877, G. Mann 101, Acc. No. 22334.

Vitex negundo Linnaeus; Kamrup, April 1876, G. Mann 1, Acc. No. 22212.

Vitex peduncularis Wallich *ex* Schauer; Kamrup, April 1876, G. Mann *s.n.*, Acc.No. 22304

Vitex pinnata Linnaeus; Goalpara, ?, G. Mann 429, Acc. No. 22231, 22232.

Vitex quinata (Loureiro) F.N. Williams; Khasi Hills, June 1876, G. Mann 227, Acc.No. 22266.

Lamiaceae

Ajuga lobata D. Don.; Khasi Hills, June 1876, G. Mann 404, Acc. No. 23195.

Ajuga macrosperma Wallich *ex* Bentham; Khasi Hills, November 1877, G. Mann 643, Acc. No. 23211.

- Anisomeles indica* (Linnaeus) Kuntze; Khasi Hills, November 1877, G. Mann 427, Acc. No. 23043.
- Brunella vulgaris* Linnaeus; Khasi Hills, July 1879, G. Mann *s. n.*, Acc. No. 22979.
- Clinopodium umbrosum* (M. Bieberstein) Kuntze; Khasi Hills, July 1876, G. Mann 479, Acc. No. 22927.
- Colquhounia coccinea* Wallich; Khasi Hills, July 1878, G. Mann 1113, Acc. No. 23067.
- Craniotome furcata* (Link) Kuntze; Khasi Hills, October 1879, G. Mann *s. n.*, Acc. No. 23025.
- Elsholtzia blanda* (Benth) Benth; Khasi Hills, November 1877, G. Mann 630, Acc. No. 22892.
- Elsholtzia flava* (Benth) Benth; Khasi Hills, August 1878, G. Mann 157, Acc. No. 22849.
- Elsholtzia pilosa* (Benth) Benth; Khasi Hills, November 1877, G. Mann *s. n.*, Acc. No. 22875.
- Gomphostemma parviflorum* Wallich *ex* Benth; Khasi Hills, ?, G. Mann 361, Acc. No. 23140.
- Isodon japonicus* (Burman *f.*) H. Hara; Khasi Hills, August 1878, G. Mann *s. n.* Acc. No. 22623.
- Isodon lophanthoides* var. *graciliflorus* (Benth) H. Hara; Khasi Hills, ?, G. Mann 114, Acc. No. 23003.
- Isodon lophanthoides* (Buchanan-Hamilton *ex* D. Don) H. Hara var. *lophanthoides*; Khasi Hills, ?, G. Mann 169, Acc. No. 22996.
- Isodon ternifolius* (D. Don) Kudo; Khasi Hills, October 1879, G. Mann 294, Acc. No. 22639.
- Leonurus sibiricus* Linnaeus; Khasi Hills, April 1877, G. Mann *s. n.*, Acc. No. 23075.
- Leucas ciliata* Benth; Khasi Hills, July 1878, G. Mann *s. n.*, Acc. No. 23186.
- Leucas lavandulifolia* Smith; Plains of Assam, July 1877, G. Mann 439, Acc. No. 23105.
- Mosla dianthera* (Buchanan-Hamilton *ex* Roxburgh) Maxim.; Khasi Hills, June 1876, G. Mann 363, Acc. No. 22911.
- Ocimum basilicum* Linnaeus; Assam Plains, November 1877, G. Mann 443, Acc. No. 22696.
- Orthosiphon incurvus* Benth; Khasi Hills, ?, G. Mann 337, Acc. No. 22734.
- Platostoma palustre* (Blume) A.J. Paton; Khasi Hills, October 1878, G. Mann *s. n.*, Acc. No. 22725.
- Pogostemon auricularis* (Linnaeus) Hasskarl; Khasi Hills, November 1877, G. Mann 416, Acc. No. 22766.
- Pogostemon brachystachyus* Benth; Khasi Hills, September 1878, G. Mann *s. n.*, Acc. No. 22834; November 1877, G. Mann 603, Acc. No. 22835.
- Pogostemon linearis* (Benth) Kuntze; Khasi Hills, August 1878, G. Mann 391, Acc. No. 22791.
- Pogostemon parviflorus* Benth; Plains of Lower Assam, December 1877, G. Mann 459, Acc. No. 22683.
- Pogostemon plectrantoides* Desfontaines; Kamrup, February 1879, G. Mann *s. n.*, Acc. No. 22672.
- Pogostemon pumilus* (Graham) Press; Plains of Assam, November 1877, G. Mann 432, Acc. No. 22795.
- Pogostemon quadrifolius* (Benth) F. Müller; Khasi Hills, June 1878, G. Mann *s. n.*, Acc. No. 22781.
- Pogostemon strigosus* (Benth) Benth; Goalpara, ?, G. Mann 303, Acc. No. 22824.
- Salvia saxicola* Wallich *ex* Benth; Khasi Hills, June 1876, G. Mann 547, Acc. No. 22940.

Scutellaria discolor Colebrook; Khasi Hills, August 1883, G. Mann *s. n.*, Acc. No. 22969.

Teucrium quadrifarium Buchanan-Hamilton; Khasi Hills, July 1878, G. Mann 1149, Acc. No. 23188.

Teucrium stoloniferum Roxburgh; Khasi Hills, ?, G. Mann 283, Acc. No. 23176, 23177.

Amaranthaceae

Achyranthes aspera Linnaeus; Goalpara, ?, G. Mann-92, Acc. No. 23325.

Amaranthus spinosus Linnaeus; Cachar, April 1877, G. Mann 250, Acc. No. 2371.

Amaranthus viridis Linnaeus; Kamrup, ?, G. Mann *s. n.*, Acc. No. 40845.

Celosia argentea Linnaeus; Kamrup, ?, G. Mann 43, Acc. No. 37613.

Cyathula tomentosa (Roth) Moquin; Goalpara ?, G. Mann 113, Acc. No. 23289.

Deeringia amaranthoides (Lamarck) Merrill; ?, ?, G. Mann 24, Acc. No. 2351.

Chenopodiaceae

Chenopodium ambrosioides Linnaeus; ?, ?, G. Mann 220, Acc. No. 23368.

Polygonaceae

Fagopyrum acutatum (Lehmann) Mansfeld *ex* K. Hammer; Khasi Hills, ?, G. Mann 486, Acc. No. 23613.

Persicaria barbata (Linnaeus) H. Hara; Cacher, ?, G. Mann *s. n.*, Acc. No. 23584.

Persicaria capitata (Buchanan-Hamilton *ex* D. Don) H. Gross; Khasi Hills, ?, G. Mann-532, Acc. No. 23502.

Persicaria strigosa (R. Brown) Nakai; Khasi Hills, ?, G. Mann 347, Acc. No. 23451.

Persicaria nepalensis (Meisner) Miyabe; Khasi Hills, ?, G. Mann 397, Acc. No. 23483.

Polygonum chinense var. *ovalifolium* Meisner; Khasi Hills, G. Mann- 334, Acc. No. 23532.

Polygonum molle D. Don; Khasi Hills, ?, G. Mann 375, Acc. No. 23463.

Polygonum paleaceum Wallich; ?, ?, G. Mann 574, Acc. No. 23412.

Polygonum plebeium R. Brown; Kamrup, ?, G. Mann 47, Acc. No. 23395.

Rumex nepalensis Sprengel; Khasi Hills, ?, G. Mann 398, Acc. No. 23635.

Piperaceae

Piper mannii C. DC.; ?, ?, G. Mann *s. n.*, Acc. No. 23739.

Saururaceae

Houttuynia cordata Thunberg; ?, ?, G. Mann *s. n.*, Acc. No. 23706.

Chloranthaceae

Chloranthus elatior Link; Kamrup, ?, G. Mann 71 Acc. No. 24009.

Myristicaceae

Knema linifolia (Roxburgh) Warburg; Garo Hills, December 1885, G. Mann *s. n.*, Acc. No. 23965.

Lauraceae

Actinodaphne obovata (Nees) Blume; Khasi Hills, May 1877, G. Mann 181, Acc. No. 24789.

Cinnamomum bejolghota (Buchanan –Hamilton) Sweet; Upper Dehing, G. Mann 48, Acc. No. 24271.

Cinnamomum camphora (Linnaeus) J. Presl; Khasi Hills, ?, G. Mann *s. n.*, Acc.No. 24314

Cinnamomum impressinervium Meisner; Khasi Hills, ?, G. Mann *s. n.*, Acc. No. 40864.

Iteadaphne caudata (Nees) H.W. Li; ?, ?, G. Mann 147, Acc. No. 25331.

Litsea cubeba (Loureiro) Persoon; Plains of Assam, December 1877, G. Mann 467, Acc. No. 24870.

Litsea khasyana Meisner; Khasi Hills, May 1877, G. Mann 162, Acc. No. 24963.

Litsea mannii King ex Hooker f.; Khasi Hills, May 1877, G. Mann 179, Acc. No. 25190.

Litsea monopetala (Roxburgh) Persoon; Plains of Assam, March 1875, G. Mann 45, Acc. No. 24900

Litsea nitida (Roxburgh) Hooker f.; Upper Assam, ?, G. Mann 49, Acc. No. 25145.

Litsea sebifera Persoon; ?, ?, G. Mann 234, Acc. No. 24819.

Machilus glaucescens (Nees) Wight; Sibsagar, January 1888, G. Mann- *s.n.*, Acc.No. 24515

Neolitsea zeylanica (Nees & T. Nees) Merrill; Khasi Hills, ?, G. Mann 210, Acc.No. 24844

Persea odoratissima (Nees) Kostermans; Khasi Hills, May 1877, G.Mann 226, Acc.No. 37748

Phoebe lanceolata (Nees) Nees; Goalpara, April 1876, G. Mann *s. n.*, Acc. No. 24596.

Proteaceae

Helicia nilagirica Beddome; Khasi Hills, July 1877, G. Mann 331, Acc. No. 25364.

Thymelaeaceae

Aquilaria malaccensis Lamarck; Assam Plains, August 1873, G. Mann *s.n.*, Acc.No. 25570

Wikstroemia canescens Wallich ex Meisner; ?, ?, G. Mann 434, Acc. No. 25527.

Elaeagnaceae

Elaeagnus latifolia Linnaeus; Khasi Hills, ?, G. Mann 95, Acc. No. 25610.

Loranthaceae

Helixanthera ligustrina (Wallich) Danser; Khasi Hills, March 1876, G. Mann 585, Acc. No. 25671.

Helixanthera parasitica Loureiro; Lakhimpur, March 1879, G. Mann *s. n.*, Acc. No. 25663.

Loranthus longiflorus Desrousseau; ?, August 1877, G. Mann 7, Acc. No. 25817.

Scurrula parasitica Linnaeus; Khasi Hills, October 1878, G. Mann *s. n.*, Acc. No. 25758.

Tolypanthus involucratus Blume; Sibsagar, March 1880, G. Mann *s. n.*, Acc. No. 25852.

Viscum articulatum Burman f.; Khasi Hills, May 1878, G. Mann 835, Acc. No. 25639.

Santalaceae

Pyrrularia edulis (Wallich) A. DC.; ?, ?, G. Mann- 229, Acc. No. 26006.

Euphorbiaceae

Alchornea tiliifolia (Bentham) Müeller Argoviensis; Khasi Hills, June 1877, G. Mann 146, Acc. No. 27167.

Antidesma acidum Retzius; ?, ?, G. Mann 533, Acc. No. 26868.

- Antidesma bunius* (Linnaeus) Sprengel; ?, ?, G. Mann- 577, Acc. No. 16793.
Antidesma ghaesembilla Gaertner; ?, ?, G. Mann 20, Acc. No. 26827.
Antidesma acuminatum Wight; ?, ?, G. Mann 329, Acc. No. 26936.
Baccaurea ramiflora Loureiro; Khasi Hills, May 1877, G. Mann 308, Acc. No. 26951.
Baliospermum calycinum var. *micranthum* (Müeller Argoviensis) Chakrabarti & N. P. Balakrishnan; ?, ?, G. Mann- 566, Acc. No. 27444.
Breynia retusa (Dennstedt) Alston; Khasi Hills, June 1877, G. Mann 293, Acc. No. 26570.
Bridelia retusa (Linnaeus) A. Juss.; Plains of Assam, ?, G. Mann 38, Acc. No. 26115.
Bridelia stipularis (Linnaeus) Blume; Lakhimpur, January 1878, G. Mann 518, Acc. No. 26148
Cleidion javanicum Blume; ?, ?, G. Mann- 126, Acc. No. 27299.
Croton caudatus Geiseler; Khasi Hills, December 1887, G. Mann 450, Acc. No. 27009.
Croton oblongus Burman f.; Khasi Hills, June 1877, G. Mann 140, Acc. No. 27020.
Croton persimilis Müeller Argoviensis; Kamrup, March 1878, G. Mann 809, Acc. No. 26996.
Euphorbia khasyana Boissier; Khasi Hills, June 1879, G. Mann s. n., Acc. No. 26069.
Glochidion heyneanum (Wight & Arnott) Wight; ?, ?, G. Mann 227, Acc. No. 26467.
Glochidion khasicum (Müeller Argoviensis) Hooker f.; Khasi Hills, May 1877, G. Mann 198, Acc. No. 36489.
Mallotus nepalensis Müeller Argoviensis; ?, ?, G. Mann- 308, Acc. No. 27203.
Mallotus albus (Roxburgh ex Jack) Müeller Argoviensis; Khasi Hills, June 1877, G. Mann 141, Acc. No. 27212.
Mallotus philippinensis (Lamarck) Müeller Argoviensis; Khasi Hills, G. Mann s. n., Acc. No. 27252.
Mallotus nudiflorus (Linnaeus) Kulju & Welzen; Khasi Hills, ?, G. Mann 165, Acc. No. 40905
Phyllanthus cochinchinensis Sprengel; ?, ?, G. Mann 378, Acc. No. 26342.
Phyllanthus reticulatus Poirlet; Khasi Hills, June 1877, G. Mann 127, Acc. No. 40892.
Phyllanthus simplex Retzius; Khasi Hills, ?, G. Mann 483, Acc. No. 26346.

Buxaceae

- Sarcococca pruniformis* Lindley; Khasi Hills, July 1877, G. Mann 268, Acc. No. 26089

Daphniphyllaceae

- Daphniphyllum himalense* (Benth) Müeller Argoviensis; Khasi Hills, JuLinnaeus 1877, G. Mann 274, Acc. No. 26844.

Bischofiaceae

- Bischofia javanica* Blume; Plains of Assam, ?, G. Mann s. n., Acc. No. 26712.

Urticaceae

- Boehmeria glomerulifera* Miquel; ?, ?, G. Mann- 68, Acc. No. 28717.
Boehmeria macrophylla Hornemann; Khasi Hills, June 1876, G. Mann 386, Acc. No. 28777.
Boehmeria macrophylla var. *scabrella* (Roxburgh) D.G. Long; Khasi Hills, July 1876, G. Mann 494, Acc. No. 28765.
Boehmeria penduliflora Weddell ex D.G. Long; Khasi Hills, ?, G. Mann 242, Acc. No. 28785

Debregeasia longifolia (Burman *f.*) Weddell; Khasi Hills, September 1878, G. Mann *s. n.*, Acc. No. 28818.

Debregeasia wallichiana (Weddell) Weddell; Khasi Hills, June 1879, G. Mann *s. n.*, Acc. No. 28849.

Elatostema lineolatum Wight; Khasi Hills, July 1876, G. Mann 179, Acc. No. 28593.

Elatostema sessile J.R. Forster & G. Forster; Lower Assam, April 1876, G. Mann 26, Acc. No. 28574.

Oreocnide integrifolia (Gaudichaud) Miquel; ?, ?, G. Mann 433, Acc. No. 28864.

Pilea bracteosa Weddell; Khasi Hills, July 1883, G. Mann *s. n.*, Acc. No. 28542.

Pilea glaberrima (Blume) Blume; Jaintia Hills, August 1886, G. Mann *s. n.*, Acc. No. 28534.

Pilea melastomoides (Poiret) Weddell; ?, ?, G. Mann 495, Acc. No. 28559.

Pilea scripta (Buchanan-Hamilton *ex* D. Don) Weddell; Khasi Hills, August 1879, G. Mann *s. n.*, Acc. No. 28558.

Poikilospermum suaveolens (Blume) Merrill; Chardwar, July 1887, G. Mann 723, Acc. No. 28488.

Pouzolzia hispida J. Bennett; ?, ?, G. Mann 256, Acc. No. 28678.

Sarcochlamys pulcherrima Gaudichaud; ?, ?, G. Mann 64, Acc. No. 28700 & 28701.

Urtica parviflora Roxburgh; ?, ?, G. Mann *s. n.*, Acc. No. 28565.

Ulmaceae

Aphananthe cuspidata (Blume) Planchon; Khasi Hills, October 1876, G. Mann *s. n.*, Acc. No. 27674.

Celtis tetrandra Roxburgh; Kamrup, July 1873, G. Mann *s. n.*, Acc. No. 27615 & 27614; Khasi Hills, July 1877, G. Mann 320, Acc. No. 27629.

Streblus asper Loureiro; Sylhet, April 1877, G. Mann 244, Acc. No. 27735.

Trema amboinensis (Willdenow) Blume; Goalpara, April 1876, G. Mann *s. n.*, Acc. No. 27649

Trema tomentosa (Roxburgh) H. Hara; Kamrup, July 1873, G. Mann *s. n.*, Acc. No. 27667.

Moraceae

Artocarpus lakoocha Roxburgh; ?, ?, G. Mann *s. n.*, Acc. No. 28425.

Ficus altissima Blume; Goalpara, January 1886, G. Mann 14, Acc. No. 27829, 27830.

Ficus auriculata Loureiro; Khasi Hills, August 1886, G. Mann 40, Acc. No. 28400; Lakhimpur, April 1886, G. Mann *s. n.*, 21, Acc. No. 28399.

Ficus concinna (Miquel) Miquel; Goro Hills, December 1885, G. Mann 10, Acc. No. 27918.

Ficus curtipes Corner; Garo Hills, December 1886, G. Mann 6, Acc. No. 27871; Lakhimpur, January 1878, G. Mann 522, Acc. No. 27867.

Ficus drupacea Thunberg; Lower Sessa River, April 1886, G. Mann 22, Acc. No. 27820; Beltola/Kamrup, November 1887, G. Mann *s. n.*, Acc. No. 27814.

Ficus erecta Thunberg; Guwahati, November 1887, G. Mann *s. n.*, Acc. No. 28276.

Ficus fistulosa Reinwardt *ex* Blume; Khasi Hills, March 1886, G. Mann 28, Acc. No. 28167.

Ficus geniculata Kurz; Garo Hills, December 1885, G. Mann 7, Acc. No. 27987; Goalpara, January 1886, G. Mann 9, Acc. No. 27990; Guwahati, April 1886, G. Mann 25, Acc. No. 27980

Ficus hederacea Roxburgh; Goalpara, January 1886, G. Mann 17, Acc. No. 28199. Khasi Hills, July 1878, G. Mann 1077, Acc. No. 28197.

- Ficus heterophylla* Linnaeus f.; Tezpur, November 1887, G. Mann s. n., Acc. No. 27971.
- Ficus hirta* subsp. *roxburghii* (King) C.C. Berg; Darrang, March 1877, G. Mann 734, Acc. No. 28258.
- Ficus hirta* Vahl; Khasi Hills, June 1877, G. Mann 296, Acc. No. 28262.
- Ficus hispida* Linnaeus f.; Balipara, March 1877, G. Mann 733, Acc. No. 28125; Upper Dehing, January 1878, G. Mann 512, Acc. No. 28126.
- Ficus ischnopoda* Miquel; Khasi Hills, May 1878, G. Mann 762, Acc. No. 28338, 28323.
- Ficus lacor* Buchanan-Hamilton; Sylhet, February 1886, G. Mann 33, Acc. No. 40912; Garo Hills, December 1885, G. Mann 3, Acc. No. 28014.
- Ficus lamponga* Miquel; Upper Dehing, January 1878, G. Mann 514, Acc. No. 28103; Garo Hills, December 1885, G. Mann 2, Acc. No. 28103; Khasi Hills, February 1888, Acc. No. 28104.
- Ficus maclellandii* King; Cachar, February 1886, G. Mann 29, Acc. No. 27902; Sibsagar, January 1888, Acc. No. 27903.
- Ficus neriifolia* Smith; Cherrapunjee, February 1886, G. Mann 35, Acc. No. 28360; Cherrapunjee, July 1886, G. Mann 39, Acc. No. 28362; Khasi Hills, Khasi Hills, May 1876, G. Mann 191, Acc. No. 28383.
- Ficus nervosa* B. Heyne ex Roth; Kamrup, March 1878, G. Mann 811, Acc. No. 27939, 27937; Khasi Hills, March 1886, G. Mann 26, Acc. No. 27936, 27940.
- Ficus obscura* Blume; Khasi Hills, July 1877, G. Mann 263, Acc. No. 28082.
- Ficus racemosa* Linnaeus; Kamrup, January 1886, G. Mann 12, Acc. No. 28409.
- Ficus racemosa* Linnaeus; Khasi Hills, July 1885, G. Mann s. n., Acc. No. 28412.
- Ficus religiosa* Linnaeus; Plains of Assam, G. Mann s. n., Acc. No. 28000.
- Ficus retusa* Linnaeus; Kamrup, January 1886, G. Mann s. n., Acc. No. 27923; Cachar, February 1886, G. Mann 30, Acc. No. 27926; Sylhet, February 1886, G. Mann 32, Acc. No. 27924.
- Ficus rumphii* Blume; Kamrup, April 1876, G. Mann 2, Acc. No. 27996; Darrang, ?, G. Mann 59, Acc. No. 27997.
- Ficus sarmentosa* Buchanan-Hamilton ex Smith; Khasi Hills, June 1876, G. Mann 395, Acc. No. 28220; Jaintia Hills, May 1878, G. Mann 842, Acc. No. 28209.
- Ficus semicordata* Buchanan-Hamilton ex Smith; Khasi Hills, August 1878, G. Mann s. n., Acc. No. 28153; Lakhimpur, January 1878, G. Mann 825, Acc. No. 37631; Upper Dehing, January 1878, G. Mann 528, Acc. No. 28152.
- Ficus silhetensis* Miquel; Cherrapunjee, March 1877, G. Mann 720, Acc. No. 28312; Khasi Hills, July 1877, G. Mann 501, Acc. No. 28281.
- Ficus sinuata* Thunberg; Chardwar, April 1886, G. Mann 23, Acc. No. 28028.
- Ficus tinctoria* G. Forster; Sylhet, February 1886, G. Mann 31, Acc. No. 27793.
- Ficus variegata* Blume; Sylhet, June 1886, G. Mann 36a, Acc. No. 28406.
- Ficus gasparriniana* var. *laceratifolia* (H. Léveill  & Vaniot) Corner; ?, ?, G. Mann 167, Acc. No. 28280, 28282.
- Ficus subincisa* Buchanan-Hamilton ex Smith; Khasi Hills, February 1886, G. Mann s. n., Acc. No. 28036; March 1886, G. Mann 27, Acc. No. 28046. Bishop Falls, G. Mann 892, April 1878, Acc. No. 28049.
- Ficus tinctoria* subsp. *gibbosa* (Blume) Corner; Kamrup, January 1886, G. Mann s. n., Acc. No. 27804.

Morus indica Linnaeus; Khasi Hills, June 1876, G. Mann 544, Acc. No. 27778.

Morus macroura Miquel; Plains of Assam, April 1875, G. Mann 3, Acc. No. 27786.

Juglandaceae

Engelhardtia spicata Lechen *ex* Blume; ?, ?, G. Mann- 102, Acc. No. 28946.

Myricaceae

Myrica esculenta Buchanan-Hamilton *ex* D. Don; ?, ?, G. Mann 150, Acc. No. 28996.

Fagaceae

Castanopsis armata (Roxburgh) Spach; Kamrup, January 1886, G. Mann *s. n.*, Acc. No. 29581; Karimganj, September 1885, G. Mann *s. n.*, Acc. No. 29579; Sylhet, September 1885, G. Mann *s. n.*, Acc. No. 29564.

Castanopsis echidnocarpa Miquel; Khasi Hills, November 1877, G. Mann 396, Acc. No. 29477; February 1886, G. Mann *s. n.*, Acc. No. 29436.

Castanopsis indica (Roxburgh *ex* Lindley) A. DC.; ?, ?, G. Mann *s. n.*, Acc. No. 29404.

Castanopsis inermis (Lindley) Bentham & Hooker *f.*; Khasi Hills, ?, G. Mann 599, Acc. No. 37964.

Castanopsis lanceifolia (Oersted) Hickel & A. Camus; Cherapunjee, August 1886, G. Mann *s. n.*, Acc. No. 29320; Tura Peak, December 1885, G. Mann 255, Acc. No. 29345.

Castanopsis longispina (King *ex* Hooker *f.*) C.C. Huang & Y. T. Zhang; Garo Hills, December 1885, G. Mann 36, Acc. No. 29554.

Castanopsis tribuloides (Smith) A. DC.; Jaintia Hills, November 1877, G. Mann 583, Acc. No. 29529; Khasi Hills, November 1885, G. Mann *s. n.*, Acc. No. 5.

Lithocarpus dealbatus (Hooker *f.* & Thomson *ex* Miquel) Rehder; Khasi Hills, June 1878, G. Mann 527, Acc. No. 29288.

Lithocarpus elegans (Blume) Hatusima *ex* Soepadmo; Khasi Hills, Aug. 1880, G. Mann *s. n.*, Acc. No. 29220; May 1877, G. Mann 231, Acc. No. 29221.

Lithocarpus fenestratus (Roxburgh) Rehder; Khasi Hills, April 1880, G. Mann *s. n.*, Acc. No. 29094; Sibsagar, 1888, G. Mann *s. n.*, Acc. No. 29100.

Lithocarpus listeri (King *ex* Hooker *f.*) Grierson & D.G. Long; Upper Dehing, ?, G. Mann Acc. No. 29367; Lakhimpur, January 1878, G. Mann 509, Acc. No. 29366.

Lithocarpus thomsonii (Miquel) Rehder; Khasi Hills, July 1886, G. Mann *s. n.*, Acc. No. 29306

Quercus glauca Thunberg; Khasi Hills, July 1886, G. Mann 1121, July 1878, Acc. No. 29138

Quercus griffithii Hooker *f.* & Thomson *ex* Miquel; Khasi Hills, November 1873, G. Mann *s. n.*, Acc. No. 29061.

Quercus lobbii Ettingshausen; Khasi Hills, September 1886, G. Mann 13, Acc. No. 29212.

Quercus semiserrata Roxburgh; Cachar, January 1886, G. Mann *s. n.*, Acc. No. 29117; Jaintia Hills, November 1877, G. Mann *s. n.*, Acc. No. 29163.

Quercus serrata Thunberg; Khasi Hills, ?, G. Mann 17, Acc. No. 29051.

Salicaceae

Salix psilostigma Andersson; Khasi Hills, April 1877, G. Mann 539, Acc. No. 29656.

Salix tetrasperma Roxburgh; ?, ?, G. Mann 105, Acc. No. 29669.

GYMNOSPERMS

Pinaceae

Cedrus deodara (Roxburgh ex D. Don) G. Don; Khasi Hills, ?, G. Mann *s.n.*, Acc.No. 37219

Taxaceae

Taxus baccata Linnaeus; Khasi Hills, ?, G. Mann *s. n.*, Acc. No. 37140.

Podocarpaceae

Podocarpus neriifolius D. Don; Jaintia Hills, May 1878, G. Mann 919, Acc. No. 37157.

Podocarpus wallichianus C. Presl; Cachar, March 1887, G. Mann *s. n.*, Acc. No. 37151.

Taxodiaceae

Cryptomeria japonica (Thunberg ex Linnaeus *f.*) D. Don; G. Mann *s.n.*, ?, Acc.No. 37183

MONOCOTYLEDONS

Hydrocharitaceae

Ottelia alismoides (Linnaeus) Persoon; G. Mann- 57, Plains of Assam, Mar. 1876, Acc. No. 29693.

Burmanniaceae

Burmannia candelabrum Gagnepain; ?, ?, G. Mann 212, Acc. No. 29712.

Burmannia disticha Linnaeus; Khasi Hills, ?, May 1877, G. Mann 175, Acc. No. 29695.

Orchidaceae

Bulbophyllum hirtum (Smith) Lindley; Khasi Hills, November 1887, G. Mann *s. n.*, Acc. No. 35656.

Bulbophyllum reptans (Lindley) Lindley ex Wallich; Khasi Hills, October 1879, G. Mann 19801, Acc. No. 35666.

Calanthe densiflora Lindley; Khasi Hills, September 1888, G. Mann 22448, Acc. No. 35960.

Eria bambusifolia Lindley; Khasi Hills, November 1885, G. Mann 19808, Acc. No. 35712.

Goodyera procera (Ker Gawler) Hooker; Upper Dehing, June 1887, G. Mann 19806, Acc. No. 36251.

Hetaeria affinis (Griffith) Seidenfaden *f.* & Ormerod; Sylhet, February 1886, G. Mann *s. n.*, Acc. No. 16263.

Oberonia myriantha Lindley; Khasi Hills, October 1887, G. Mann 19790, Acc. No. 35351.

Paphiopedilum insigne (Wallich ex Lindley) Pfitzer; Khasi Hills, November 1887, G. Mann 19782, Acc. No. 36365.

Phaius wallichii Lindley; Jaintia Hills, August 1889, G. Mann *s. n.*, Acc. No. 35812.

Pholidota imbricata Lindley; Shillong, August 1888, G. Mann *s. n.*, Acc. No. 35936.

Pinalia excavata (Lindley) Kuntze; Shillong Peak, June 1886, G. Mann 19810, Acc. No. 35733.

Pinalia stricta (Lindley) Kuntze; Tura Peak, December 1886, G. Mann 19811, Acc.No. 35754

Pleione maculata (Lindley) Lindley & Paxton; Khasi Hills, November 1887, G. Mann 19809, Acc. No. 35879.

Satyrium nepalense D. Don; Khasi Hills, ?, G. Mann 19797, Acc. No. 36348.

Zingiberaceae

Alpinia malaccensis (Burman *f.*) Roscoe; Khasi Hills, May 1877, G. Mann 313, Acc. No. 30110.

Alpinia nigra (Gaertner) Burt; Plains of Assam, ?, G. Mann 328, Acc. No. 30063.

Boesenbergia longiflora (Wallich) Kuntze; ?, ?, G. Mann 301, Acc. No. 29823.

Cautleya gracilis (Smith) Dandy; G. Mann- 176, khasi Hills, May 1877, Acc. No. 29777.

Cheilocostus speciosus (J. Koenig) C.D. Specht; ?, ?, G. Mann 360, Acc. No. 30061.

Curcuma angustifolia Roxburgh; ?, ?, G. Mann 358, Acc. No. 29805.

Globba multiflora Wallich *ex* Baker; ?, ?, G. Mann 573, Acc. No. 29741.

Hedychium coccineum Buchanan-Hamilton *ex* Smith; Khasi Hills, July 1877, G. Mann 327, Acc. No. 30000.

Hedychium ellipticum Buchanan-Hamilton *ex* Smith; Khasi Hills, ?, G. Mann 244, Acc. No. 29966.

Hedychium gracile Roxburgh; Khasi Hills, ?, G. Mann 378, Acc. No. 29946.

Hedychium marginatum C.B. Clarke; Khasi Hills, ?, G. Mann 362, Acc. No. 29886.

Hemiorchis pantlingii King; Terriaghat (Khasi Hills), March 1886, G. Mann *s.n.*, Acc. No. 29752

Ophiopogon intermedius D. Don; Khasi Hills, May 1877, G. Mann 169, Acc. No. 30206.

Roscoea purpurea Smith; ?, ?, G. Mann- 347, Acc. No. 29761.

Cannaceae

Canna indica Linnaeus; Khasi Hills, ?, G. Mann- 231, Acc. No. 30123.

Hypoxidaceae

Hypoxis aurea Loureiro; Khasi Hills, G. Mann 261, Acc. No. 30227.

Molineria capitulata (Loureiro) W. Herbert; ?, ?, G. Mann- 420, Acc. No. 30232.

Dioscoreaceae

Dioscorea hamiltonii Hooker *f.*; ?, ?, G. Mann- 20 Acc. No. 30323.

Liliaceae

Allium hookeri Thwaites; Khasi Hills, ?, G. Mann *s. n.*, Acc. No. 30707.

Allium hookeri Thwaites; Khasi Hills, ?, G. Mann- *s. n.*, Acc. No. 30707.

Cardiocrinum giganteum (Wallich) Makino; Khasi Hills, June 1877, G. Mann 297, Acc. No. 30710.

Cardiocrinum giganteum (Wallich) Makino; Khasi Hills, June 1877, G. Mann 297, Acc. No. 30710.

Chlorophyton khasiana Hooker *f.*; Khasi Hills, ?, G. Mann 310, Acc. No. 30681.

Chlorophytum nepalense (Lindley) Baker; Khasi Hills, ?, G. Mann 310, Acc. No. 30681.

Disporum cantoniense (Loureiro) Merrill; Khasi Hills, June 1877, G. Mann 214, Acc. No. 39802

Hemerocallis fulva (Linnaeus) Linnaeus; Khasi Hills, June 1877, G. Mann 396, Acc. No. 30618

Maianthemum fuscum (Wallich) La Frankie; Khasi Hills, Jun. 1877, G. Mann 177, Acc. No. 30601.

Paris polyphylla Smith; ?, ?, G. Mann 519 Acc. No. 30767.

Polygonatum oppositifolium (Wallich) Royle; G. Mann- 203, Khasi Hills, May 1877, Acc. No. 30586.

Theropogon pallidus (Wallich ex Kunth) Maximowicz; Khasi Hills, ?, G. Mann 468, Acc. No. 30607.

Tricyrtis maculata (D. Don) J.F. Macbride; Khasi Hills, ?, G. Mann 350, Acc. No. 30725.

Smilacaceae

Smilax aspera Linnaeus; Khasi Hills, May 1877, G. Mann 166, Acc. No. 30433.

Smilax parvifolia Wallich ex Hooker f.; ?, ?, G. Mann- 393, Acc. No. 30399.

Smilax orthoptera A. DC.; Khasi Hills, June 1877, G. Mann 122, Acc. No. 30494.

Pontederiaceae

Monochoria hastifolia C. Presl; ?, ?, G. Mann 332, Acc. No. 30787.

Xyridaceae

Xyris capensis var. *schoenoides* (Martius) Nilsson; Khasi Hills, July 1878, G. Mann 1147, Acc. No. 30817.

Commelinaceae

Amischotolype hookeri (Hasskarl) H. Hara; Khasi Hills, ?, G. Mann- 590, Acc. No. 37334.

Commelina maculata Edgeworth; Khasi Hills, June 1878, G. Mann 1169, Acc. No. 37253.

Commelina suffruticosa Blume; Khasi Hills, July 1878, G. Mann 1161, Acc. No. 37254.

Cyanotis vaga (Loureiro) Schultes f.; Khasi Hills, November 1877, G. Mann 620, Acc. No. 37358

Floscopa scandens Loureiro; ?, ?, G. Mann 177, Acc. No. 37387.

Pollia secundiflora (Blume) Bakhuizen f.; ?, ?, G. Mann- 332, Acc. No. 37224.

Rhopalephora scaberrima (Blume) Faden; ?, ?, G. Mann 353, Acc. No. 37323.

Streptolirion volubile subsp. *khasianum* (C.B. Clarke) D.Y. Hong; Khasi Hills, ?, G. Mann 171, Acc. No. 37378.

Cyperaceae

Carex composita Boott; Khasi Hills, ?, G. Mann 199, Acc. No. 31793

Carex cruciata Wahlenberg; Khasi Hills, July 1878, G. Mann 1141, Acc. No. 31747.

Carex thomsonii Boott; Sylhet, April 1877, G. Mann 210, Acc. No. 31720.

Carex vesiculosa Boott; Khasi Hills, July 1877 G. Mann 484, Acc. No. 31738.

Cyperus cyperoides (Linnaeus) Kuntze; Khasi Hills, May 1878 G. Mann 825, Acc. No. 31453.

Cyperus cyperoides subsp. *cyperoides* (= *Mariscus sieberianus* var. *evolutior* C. B. Clarke); Khasi Hills, July 1878. G. Mann 1160, Acc. No. 31452.

Cyperus distans Linnaeus f.; Sibsagar, January 1878. G. Mann 689, Acc. No. 31364.

Cyperus pulcherrimus Willdenow ex Kunth; Goalpara, December 1885 G. Mann s. n., Acc. No. 31307.

Cyperus zollingeri Steudel; Khasi Hills, July 1878, G. Mann 1087, Acc. No. 31415.

Fimbristylis cinnamometorum (Vahl) Kunth; Khasi Hills, July 1877, G. Mann 932, Acc. No. 31572.

Fimbristylis quinquangularis (Vahl) Kunth; Khasi Hills, July 1877, G. Mann 479, Acc. No.31553.

Lipocarpa chinensis (Osbeck) J. Kern; Khasi Hills, July 1878, G. Mann 1142, Acc. No.31635.

Rhynchospora corymbosa (Linnaeus) Britton; Goalpara, December 1885, G. Mann 25, Acc. No.31657.

Schoenoplectus mucronatus (Linnaeus) Palla; Lower Assam, March 1876, G. Mann 56, Acc. No.31601.

Scleria terrestris (Linnaeus) Fassett; Kamrup, March 1878, G. Mann 790, Acc. No.31675.

Poaceae

Agrostis micrantha Steudel; Khasi Hills, June 1876, G. Mann 229, Acc. No.32631.

Apluda mutica Linnaeus; Khasi Hills, September 1878, G. Mann *s. n.*, Acc. No.35115.

Arundinella khasiana Nees *ex* Steudel; Khasi Hills, July 1877, G. Mann 490, Acc. No.33221.

Bambusa balcooa Roxburgh; Balapara, December 1889, G. Mann *s. n.*, Acc. No.32236.

Bambusa bambos (Linnaeus) Voss; Nowgaon, January 1890, G. Mann *s. n.*, Acc. No.32194

Bambusa pallida Munro; Khasi Hills, January 1890, G. Mann *s. n.*, Acc. No.32059.

Bambusa tulda Roxburgh; Kamrup, April 1876, G. Mann 104, Acc. No.32263.

Bambusa vulgaris Scharder; N. C. Hills, February 1890, G. Mann *s. n.*, Acc. No.32216.

Calamagrostis zenkeri (Trinius) Davis; Khasi Hills, July 1877, G. Mann 497, Acc. No. 32633

Chimonobambusa callosa (Munro) Nakai; Shillong, ?, G. Mann *s. n.*, Acc. No.32310

Chimonocalamus griffithianus (Munro) C.J. Hsueh & T.P. Yi; Jaintia Hills, March 1890, G. Mann *s. n.*, Acc. No.32295.

Eulalia speciosa (Debeaux) Kuntze; Khasi Hills, October 1879, G. Mann *s. n.*, Acc. No.34503.

Garnotia acutigluma (Steudel) Ohwi; Khasi Hills, ?, G. Mann 268, Acc. No.32696.

Gigantochloa macrostachya Kurz; Balipara, December 1889, G. Mann *s. n.*, Acc. No.32276.

Imperata cylindrica (Linnaeus) Rausch; Khasi Hills, March 1874, G. Mann 2, Acc. No.34148.

Isachne albens Trinius; Khasi Hills, ?, G. Mann 406, Acc. No.33382.

Ischaemum polystachyum J. Presl; Khasi Hills, 1878, G. Mann *s. n.*, Acc. No.35050.

Melocanna baccifera (Roxburgh) Kurz; Garo Hills, April 1876, G. Mann 97, Acc. No.31904.

Microstegium petiolare (Trinius) Bor; Khasi Hills, October 1879, G. Mann *s. n.*, Acc. No.34352.

Yushania hirsuta (Munro) R. B. Majumdar; Khasi Hills, May 1890, G. Mann *s. n.*, Acc. No.32323.

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