Plant Archives Vol. 14 No. 1, 2014 pp. 87-96 *ISSN 0972-5210*

AN UPDATED ACCOUNT OF THE NAME CHANGES OF THE DICOTYLEDONOUS PLANT SPECIES INCLUDED IN THE VOL: I (1934-36) & VOL: II (1938) OF "FLORA OF ASSAM"

Rajib Lochan Borah

Department of Botany, D.H.S.K. College, Dibrugarh - 786 001 (Assam), India.
E-mail: rajibl_borah@yahoo.co.in

Abstract

Changes in botanical names of flowering plants are an issue which comes up from time to time. While there are valid scientific reasons for such changes, it also creates some difficulties to the floristic workers in the preparation of a new flora. Further, all the important monumental floras of the world have most of the plants included in their old names, which are now regarded as synonyms. In north east India, "Flora of Assam" is an important flora as it includes result of pioneering floristic work on Angiosperms & Gymnosperms in the region. But, in the study of this flora, the same problems of name changes appear before the new researchers. Therefore, an attempt is made here to prepare an updated account of the new names against their old counterpts of the plants included in the first two volumes of the flora, on the basis of recent standard taxonomic literatures. In this, the unresolved & controversial names are not touched & only the confirmed ones are taken into account. In the process new names of 470 (four hundred & seventy) dicotyledonous plant species included in the concerned flora are found out.

Key words **:** Name changes, Flora of Assam, Dicotyledonus plants, floristic works.

Introduction

Scientific names of plants change for various reasons, most of which fall into three main categories. The first two are nomenclature and misidentification. In case of the nomenclature, names changes are based on the rule of priority of publication. This rule, stipulated in the ICBN (International Code of Nomenclature for Algae, Fungi & Plants now), states that if a species has been named more than once, the first correctly published name is the one that must be used; all others become unused synonyms. A long-established name can sometimes be replaced by an earlier published name, if new details emerge about the order of publication. Sometimes the name of an economically important or otherwise well known plant is conserved for use even though, it is technically incorrect. Conservation is a formal process that requires a decision at an International Botanical Congress. In case of the reason of misidentification, plants are sometimes brought into cultivation, propagated and widely distributed under an incorrect name. By the time the misidentification can be rectified the incorrect name may already be in widespread use. The third and most common type of name change happens when advances in our botanical knowledge lead to reclassifications. All the scientific plant names generated by taxonomists are based solely on hypotheses. A taxonomist, often in the distant past, proposed that a newly discovered plant should be classified as a member of a particular genus, based on the similarity of morphological characteristics shared by other members of that genus. This naming was usually based on the hypothesis that the plant in question was related to other similar-looking plants with similar names—those in the same family or genus. Taxonomists have classified plants based on the perceived evolutionary relationships among them. All species in a genus must be more closely related to each other than they are to species in other genera. In the best-case scenario, a species consists of all descendants of a common ancestor. Recently, new taxonomic information has accumulated in an accelerated fashion since the advent of DNA sequencing, and that has resulted in a recent flurry of reclassification. Comparing DNA sequences amongst different species has proven to be an effective way to determine relatedness. As old

taxonomies succumb to new understanding, name changes are sometimes required to uphold the principle that names must represent true evolutionary relationships. Sometimes, to achieve the goal of having a taxonomic group represent an evolutionary lineage, a genus or family that does not meet these criteria must be split apart. In other cases, mergers bring about the desired results. Similarly, many species have been transferred from one genus to another. Even modern taxonomy, however, has its pitfalls and disagreements emerge about interpretations of plant names and relatedness. In the world of DNA sequences, the judgment and experience of taxonomists still plays an important part in determining the names assigned to plants. Therefore, plant names will continue to change for the reasons described above.

But because of name changes, various difficulties arise in the preparation of new floras after the classical field survey. The floristic worker may identify a specimen in a herbarium where plants are in old name, but whenever the worker search in literature he finds that the name is changed and a new name is already accepted as an established one. Then the references for the new name have to be again searched in new literature for the publication record of the new name. Similarly, there is difficulty in studying old flora is that; most of the monumental floras include plant in old names. Every time a plant name included in old flora has to be confirmed as whether the name is currently accepted one or it has become a synonym of a newly accepted name. Sometimes a plant may be included in many different names in different floras making the enumeration process painstacking. Every floristic worker goes through such difficulties in flora preparations.

In case of floristic studies in north east India the "Flora of Assam" is the only literature to present the whole of North East India including even a part of Sylhet District of present Bangladesh. The first four volumes were published by Upendra Nath Kanjilal and his associates from 1934 to 1940, which dealt with the Dicotyledons & Gymnosperms. Later N. L. Bor published the fifth volume included only the Gramineae (Poaceae) among Monocotyledons. Therefore, it is the basic literature which every floristic researcher treats as a background whenever a new systematic survey starts. Its importance also remains till date by the fact that floras of only a few north eastern states have been prepared and even some areas are not touched for decades. Thus, the importance of "Flora of Assam" is still realized. Every time a researcher explores an area, he or she has to search this literature for character match, enumeration, local names, nomenclatures etc. But, a serious difficulty of studying this flora is that the botanical nomenclatures used in this flora are changed very much now. Most of the plant names included in this flora are now changed by newly accepted names. Therefore, these names are now regarded as synonyms. Floristic workers have to always search for newly accepted names in more recent literatures, whenever they try to prepare a new flora of a certain region, though the plant may be already present in a different name in "Flora of Assam". Therefore, an attempt has been made here to find out & enlist all confirmed new names of the plants against their old synonyms with author citations. The attempt is fully based on taxonomic literatures, which aims at solving the name change related difficulties of the plants included in the "Flora of Assam, Vol:I(Part 1-2:1934-36) & Vol:II(1938)".

Materials and Methods

The procedure followed here is a literary one. The standard recent taxonomic literatures (Bennet, 1987; Bhagawati *et al.*, 2006; Chowdhery *et al.*, 2009; Chowdhury, 2005; Das *et al.*, 2013; Deb, 1981 & 1983; Giri *et al.*, 2008; Ghosh, 2005; Gogoi, 1997; Goswami, 2003; Hajra, 1996; Haridasan *et al.,* 1985 &1987 Kartikeyan *et al*., 2009; Malakar, 1995; Rashid *et al*., 2011; Rashid *et al*., 2012; Sarkar, 1993; Sarma, 1989; Sharma *et al*., 1993; Singh *et al*., 2000) related to these plants are thoroughly searched. In addition, important taxonomic resources at the internet (JSTOR, EFLORAS, GRIN/NPGS, IPNI, THE PLANT LIST, MMPND, TROPICOS, GBIF, PFAF, Sp2000, USDA PLANTS, BOLD Systems Taxonomic Browser, Catalogue of Life, Discover Life, Springer Reference, ITIS, Plantsystematics.org, ePIC, Biodiversity Heritage Library, Global Names Index, India Biodiversity Portal) are also searched and the confirmed new names are brushed out. Then they are arranged in a list according to the seriality of the original copy of first two volumes of "Flora of Assam".

Results and Discussion

The account of the name changes are presented as a family wise list, using the old family names as presented in the flora. In the listing of the species, first an old name included in the flora with author citation is presented; which is followed by the newly accepted name with citation as follows:

Volume : 1 : Part one

Ranunculaceae: [1] *Clemetis nutans* Royle : *Clemetis royle* Rehder **Dilleniaceae:** [2] *Delima sarmentosa* Linn. : *Tetracera sarmentosa* (L.) Vahl.

Magnoliaceae : [3] *Magnolia sphenocarpa* Roxb. : *Magnolia pterocarpa* Roxb. [4] *Mangliatia insignis* Bl. : *Magnolia insignis* Wall. [5] *Manglietia hookeri* Cubitt & Smith : *Magnolia hookeri* (Cubitt & W.W.Sm.) D.C.S.Raju [6] *Manglietia caveana* Hk.f. & Th. : *Magnolia caveana* (Hk. f. & Thomson) D.C.S.Raju [7] *Talauma hodgsoni* Hk. f. & Th. : *Magnolia hodgsonii* (Hk. f. Thomson) H.Keng [8] *Talauma rabaniana* Hk. f. & Th. : *Magnolia rabaniana* (Hk. f. Thomson) D.C.S.Raju & M.P.Nayar [9] *Talauma phellocarpa* King : *Magnolia baillonii* Pierre. [10] *Pachylarnarnax pleiocarpa* Dandy : *Magnolia pleiocarpa* (Dandy) Figlar & Noot [11] *Michelia cathcartii* Hk.f.&Th. : *Magnolia cathcartii* (Hook f. Thomson) Noot [12] *Michelia excelsa* Bl. : *Magnolia doltsopa* (Buch. Ham. ex DC.) Figlar [13] *Michelia lanuginosa* Wall. : *Magnolia lanuginose* (Wall.) Figlar & Noot [14] *Michelia champaca* Linn. : *Magnolia champaca* (L.) Baill. ex. Pierre. [15] *Michelia kisopa* DC. : *Magnolia kisopa* (Buch. Ham ex. DC.) Figla [16] *Michelia panduana* Hk. : *Magnolia panduana* (Hook. f. Thomson) Figlar [17] *Michelia oblonga* Wall. : *Magnolia oblonga* (Wall. ex. Hook. f. Thomson) Figlar [18] *Michelia manni* King : *Magnolia mannii* (King) Figlar [19] *Michelia manipurensis* Watt. : *Magnolia doltsopa* (Buch. & Ham. ex DC) Figlar [20] *Michelia montana* Bl. : *Magnolia montana* (Blume) Figlar [21] *Michelia kingii* Dandy : *Magnolia kingii* (Dandy) Figlar [22] *Michelia wardii* Dandy : *Magnolia doltsopa* (Buch. & Ham. ex DC) Figlar [23] *Schizandra axillaries* Hk. f. Th. : *Schizandra propinqua* subsp. *axillaris* (Blume) R.M.K. Saunders [24] *Kadsura roxburghiana* Arn. : *Kadsura heteroclita* (Roxb.) Craib **Annonaceae :** [25] *Unona praecox* Hk. f. Th. : *Desmos praecox* (Hook. f. Thomson) Saff. [26] *Unona longiflora* Roxb. : *Dasymaschalon longiflorum* (Roxb.) Finet & Gagnep [27] *Unona discolor* Vahl. : *Desmos chinensis* Lour. [28] *Unona dumosa* Roxb. : *Desmos dumosus* (Roxb.) Saff. [29] *Melodorum wallichii* Hk. f. Th. : *Fissistigma wallichii* (Hook f. Thomson) Merr. [30] *Melodorum polyanthum* Hk. f. Th. : *Fissistigma polyanthum* (Hook. f. Thomson) Merrill **Menispermaceae:** [31] *Pericampylus incanus* Miers. : *Pericampylus glaucus* (Lamarck) Merrill [32] *Tinospora malabarica* Miers. : *Tinospora sinensis* (Lour.) Merrill [33] *Tinospora mastersii* Diels. : *Tinospora crispa* (L.) Hook. f. Thomson [34] *Anamirta paniculata* Colebr. : *Anamirta cocculus* (L.) Wight & Arn. [35] *Limacia cuspidata* Hk. f. Th. : *Hypserpa nitida* Miers. ex Benth. [35] *Cocculus macrocarpus* W. & A. : *Diploclisia glaucescence* (Blume) Diels [36] *Cocculus mollis* wall. : *Cocculus orbiculatus* (L.) DC **Berberidaceae :** [37] *Mahonia nepalensis* DC : *Mahonia nepaulensis* DC **Nymphaeaeceae:** [38] *Brasenia peltata* Pursh. : *Brasenia scraberi* J. F. Gmell. [39] *Nymphaea stellata* Willd. : *Nymphaea nauchalli* Burm. f. [40] *Nymphaea pygmaea* Aiton. : *Nymphaea tetragona* Georgi **Fumariaceae:** [41] *Dicentra torulosa* Hk. f. Th. : *Dactylicapnos torulosa* (Hook. f. Th.) Hutch. [42] *Dicrentra roylei* Hk. f. Th. : *Dactylicapnos roylei* (Hook . f. Th.) Hutch. [43] *Dicentra thalictrifolia* Hk. f. Th. : *Dactylicapnos scandens* (D. Don) Hutch. **Crucifereae:** [44] *Nasturtium indicum* DC : *Rorippa indica* (L.) Hiern **Capparidaceae**: [45] *Gynandropsis pentaphylla* DC : *Cleome gynandra* L. [46] *Crataeva roxburghii* R.Br. : *Crateva adansonii* subsp. *odora* (Buch. – Ham.) Jacobs [47] *Crataeva nurvala* Ham. : *Crateva nurvala* Buch.- Ham. [48] *Crataeva lophosperma* Kurz. : *Crateva nurvala* Buch. – Ham. [49] *Capparis pumilla* Champion : *Capparis cantoniansis* Lour. [50] *Capparis horrida* L. : *Capparis zeylanica* L. [51] *Capparis sabiaefolia* Hk. f. Th. : *Capparis acutifolia* subsp. *sabifolia* (Hook. f. Th.) Jacobs [52] *Roydsia suaveolens* Roxb. : *Stixis suaveolens* (Roxb.) Pierre. **Violaceae:** [53] *Viola diffusa* Ging. : *Viola cerassifolia* Saint-Hilaire [54] *Viola serpens* Wall. : *Viola pilosa* Blume [55] *Alsodeia roxburghii* Wall/ Hk. f. Th. : *Rinoreia roxburghii* Kuntze [56] *Asodeia racemosa* Hk. & Th./Mart. : *Rinoreia racemosa* (Mart.) Kuntze **Flacourtiaceae :** [57] *Homaleum bhamoense* Cubit et Smith. : *Homaleum ceylanicum* (Gardner) Benth. [58] *Flacourtia cataphracta* Roxb. : *Flacourtia jangomas* (Lour.) Raeusch. [59] *Casearia esculenta* Roxb. : *Guidonia esculenta* (Roxb.) Baill. [60] *Caesearia vareca* Roxb.: *Guidonia vareca* (Roxb.) Baill. ex. Kurze **Pittosporaceae:** [61] *Pittosporum floribundum* W. & A. : *Pittosporum nepaulense* (DC.) Rehder & E. H. Wilson **Polygalaceae:** [62] *Polygala leptalea* DC. : *Polygala longifolia* Poir [63] *Polygala glomerata* Lour. : *Polygala chinensis* var. *chinensis* L. [63] *Securidaca tevoyana* Wall. : *Securidaca inappendiculata* Hassk. **Hypericaceae:** [64] *Hypericum breviflorum* Wall. : *Triadenum brevifolium* (Wall. ex. Dyer) Y. Kimura **Guttiferae:** [65] *Garcinia affinis* Wall. : *Garcinia anomala* Planch. & Triana [66] *Garcinia paniculata* Roxb. : *Garcinia sopsopia* (Buch – Ham.) Mabb. [67] *Ochrocarpus siamensis* T. Anders. : *Mammea siamensis* T. Anders. [68] *Kayea assamica* King & Prain : *Mesua assamica* (King & Prain) Kosterm. **Ternstroemiaceae:** [69] *Cleyera ochnacea* DC. : *Cleyera japonica* Thunb. [70] *Camellia drupifera* Lour.

: *Camellia oleifera* Abel [71] *Camellia caduca* C.B.Clarke : *Camellia kissii* Wall. **Dipterocarpaceae:** [72] *Dipterocarpus macrocarpus* Vesque : *Dipterocarpus retusus* Blume [73] *Dipterocarpus mannii* King : *Dipterocarpus retusus* Blume [74] *Vatica shingkeng* Dunn. : *Hopea shinkeng* (Dunn) Bor **Ancistrocladaceae**: [75] *Ancistrocladus extensus* Wall. : *Ancistrocladus tectorius* (Lour.) Merr. **Malvaceae**: [76] *Sida carpinifolia* L. : *Sida acuta* Burm. f. [77] *Hibiscus abelmoschus* L. : *Abelmoschus moschatus* Medik [78] *Hibiscus pungens* Roxb. : *Abelmoschus manihot* var. *pungens* (Roxb.) Hochr. [79] *Hibiscus esculentus* Linn. : *Abelmoschus esculentus* (L.) Moench. [80] *Thespesia macrophylla* Blume : *Thespesia populnea* (L.) Sol. ex. Correa [81] *Bombax malabaricum* DC. : *Bombax ceiba* linn. [82] *Eriodendron anfractuosum* DC. : *Ceiba pentandra* (L.) Gaertn. **Sterculiaceae**: [83] *Sterculia colorata* Roxb.: *Firmiana colorata* (Roxb.) R.Br. [84] *Sterculia roxburghii* Wall. : *Sterculia lanceifolia* Roxb. [85] *Sterculia alata* Roxb.: *Pterygota alata* (Roxb.) R.Br. [86] *Dombeya mastersii* Hk.f. : *Dombeya bargessiae* Gerrard ex. Harv. & Sond. **Tilliaceae:** [87] *Grewia microcosm* Linn. : *Grewia nervosa* (Lour.) Panigrahi [88] *Grewia elastica* Royle : *Grewia eriocarpa* Juss. [89] *Grewia disperma* Rottl. : *Grewia serrulata* DC. [90] *Triumpheta pilosa* Roth. : *Triumpheta bogotensis* DC. [91] *Triumpheta tomentosa* Boir. : *Triumpheta cana* Bl. **Elaeocarpaceae:** [92] *Elaeocarpus ganitrus* Roxb.: *Elaeocarpus serratus* L. [93] *Elaeocarpus robustus* Roxb. : *Elaeocarpus tectoreus* (Lour.) Poir [94] *Elaeocarpus sikkimensis* Mast.: *Elaeocarpus stipularis* var. *siamensis* (Craib) Coode [95] *Elaeocarpus aristatus* Roxb.: *Elaeocarpus rugosus* Roxb. ex. G. Don [96] *Elaeocarpus integer* Wall. : *Elaeocarpus petiolatus* (Jacq.) Wall. [97] *Echinocarpus assamicus* Benth. : (Doubtfull) *Sloanea sterculiacea* var. *assamica* (Benth.) Coode [98] *Echinocarpus dasycarpus* Benth. : (Doubtfull) *Sloanea dasycarpa* (Beth.) Hemsl. [99] *Echinocarpus tomentosus* Benth.: (Doubtfull) *Sloanea tomentosa* (Benth.) Rehdar & E.H.Wilson [100] *Echinocarpus sigun* Blume : (Doubtfull) *Sloanea sigun* (Blume) K. Schumann.

Plants mentioned at a preface at the juncture of part I & II of Volume I, but not described:

[101] *Ranunculus laetus* Wall. : *Ranunculus distans* Wall. ex. Royle [102] *Cocculus villosa* DC : *Cocculus hirsutus* (L.) W. Theob. [103] *Abutilon striatum* Dick. : *Abutilon pictum* (Gillies ex. Hook.) Walp. [104] *Amoora spectabilis* Miiq.: *Aglaia spectabilis* (Miq.) S.S. Jain & S. Bennet [105] *Eyuonymus griffithii* Kurz.: *Glyptopetalum angulatum* (Griff.) Ckakrab. & M.G.Gangop. [106] *Euonymus pendulus* Wall. : *Euonymus lucidus* D.Don [107] *Celastrus championii* Benth.: *Celastrus monospermus* Roxb. [108] *Vitis himalayana* Brand.: *Parthenocissus semicordta* (Wall.) Planch. [109] *Leea sundaica* Miq.: *Leea indica* (Burm.f.) Merr.

Volume : I : Part two

Linaceae: [110] *Reinwardtia trigyna* Planch : *Reinwardtia indica* Dumort. **Rutaceae:** [111] *Zanthoxylum alatum* Roxb.: *Zanthoxylum armatum* var. *armatum* DC. [112] *Zanthoxylum hamiltonianum* Wall. : *Zanthoxylum nitidum* var. *nitidum* (Roxb.) DC. [113] *Clausena sufruticosa* W. & A. : *Clausena anisata* (Willd.) Hook. f. ex. Benth. [114] *Murraya exotica* Linn. : *Murraya paniculata* (L.) Jack [115] *Atalantia caudate* Hk. f. : *Atalantia simplicifolia* (Roxb.) Engl. [116] *Citrus decumena* Linn. : *Citrus maxima* (Burm.) Osbeck **Simarubaceae**: [117] *Ailanthus grandis* Prain : *Aillanthus integrifolia* subsp. *calycina* (Pierre) Noot [118] *Brucea sumatrana* Roxb.: *Brucea javanica* (L.) Merr. **Ochnacae:** [119] *Ochna squarrosa* Linn. : *Discladium squarrosum* (L.) Tiegh. **Burseraceae:** [120] *Garuga gamblei* King. : *Garuga floribunda* decaisne var. *gamblei* (King ex. W.W.Sm.) Kalkman [121] *Balsamodendron roxburghii* Arn. : *Commiphora mukul* (Hook. ex. Stocks) Engler **Meliaceae:** [122] *Melia composite* Willd.: *Melia azedarach* Linn. [123] *Dysoxylum procerum* Hiern.: *Dysoxylum excelsum* Blume [124] *Dysoxylum binectariferum* Hk. f. et Bedd.: *Dysoxylum gotadhora* (Buch.-Ham.)Mabb. [125] *Dysoxylum reticulatum* King.: *Dysoxylum gotadhora* (Buch.-Ham.)Mabb. [126] *Chisocheton paniculatus* Hiern.: *Chisocheton cummingianus* subsp. *balansae* (C.DC.) Mabb. [127] *Amoora cucullata* Roxb.: *Aglaia cucullata* (Roxb.) Rellegr. [128] *Amoora wallichii* King.: *Aglaia spectabilis* (Miq.) Jain & Bennett [129] *Amoora chittagonga* Hiern.: *Aglaia chittagonga* Miq. [128] *Aglaia khasiana* Hiern.: *Aglaia edulis* (Roxb.) [129] *Aglaia roxburghiana* Miq. : *Aglaia elaeagnoidea* (A.Juss.) Benth. [130] *Aglaia wallichii* Hiern.: *Aglaia elaeagnoidea* (A. Juss.) Benth. [131] *Cedrela toona* Roxb.: *Toona cilliata* M.Roem [132] *Cedrella febrifuga* C.DC.: *Toona sweni* (Blume) Merr. **Olacaceae:** [133] *Erythropalum scandens* BC. : *Erythropalum vagum* Mast. [134] *Schoepfia acuminata* Wall.: *Schoepfia fragrans* Wall. **Icacinaceae:** [135] *Apodytes benthamina* Wight.: *Apodytes dimidiata* E.Mey. ex Arn. [136] *Mappia foetida* Miers.: *Nothapodytes nimmoniana* (Graham) Mabb. [137] *Gomphandra*

axillaris Wall.: *Gomphandra tetrandra* (Wall.) Sleumer [138] *Cardiopteris lobata* R.Br.: *Cardiopteris quinqueloba* (Hassk.) Hassk. **Aquifoliaceae**: [139] *Ilex sulcata* Wall.: *Illex umbellata* (Wall.) Loes. [140] *Ilex doniana* DC.: *Ilex excelsa* (Wall.) Voigt [141] *Ilex theaefolia* Hk.f.: *Ilex odorata* Buch-Ham.ex D.Don [142] *Ilex griffithii* Hk.f.: *Ilex triflora* Blume [143] *Ilex thomsonii* Hk.f.: *Ilex crenata* var. *thomsonii* (Hk.f.) Loes. **Celastraceae:** [144] *Euonymus cinereus* Lawson: *Euonymus echinatus* Wall. [145] *Glyptopetalum griffithii* Prain : *Glyptopetalum angulatum* (Griff.) Chakrab. & Gangop. [146] *Microtropis discolor* Wall.: *Microtropis sessiliflora* Merr.& F.L.Freeman [147] *Celastrus venulosa* Wall.: *Celastrus hindsii* Benth. [148] *Celastrus championii* Benth.: *Celastrus monospermous* Roxb. [149] *Gymnosporia acuminata* Hk.f.: *Maytenus acuminata* (L.f.) Loes. **Hippocrateaceae:** [150] *Hippocratea macrantha* Korth.: *Loeseneriella macrantha* (Korth.) A.C.Sm. [151] *Salacia prinoides* DC.: *Salacia chinensis* L. [152] *Salacia floribunda* Wight: *Salacia leptoclada* Tul. **Rhamnaceae**: [153] *Ventilago calyculata* Tulasne: *Ventilago denticulata* Willd. [154] *Ziziphus jujuba* Lamk.: *Ziziphus jujuba* Mill. **Ampelidaceae:** [155] *Vitis quadrangularis* Wall.: *Cissus quadrangularis* L. [156] *Vitis discolor* Dalz.: *Cissus javanica* DC. [157] *Vitis assamica* Laws.: *Cissus assamica* (Lawson) Craib [158] *Vitis adnata* Wall.: *Cissus adnata* Roxb. [159] *Cissus dispersa* Hutch.: *Cissus adnata* Roxb. [160] *Vitis repanda* W. & A.: *Cissus repanda* var. *repanda* Vahl. [161] *Vitis barbata* Wall.: *Ampellocissus barbata* (Wall.) Planch. [162] *Vitis lanata* Roxb.: *Vitis heyneana* subsp. *heyneana* Roem.& Schult. [163] *Vitis latifolia* Roxb.: *Ampellocissus latifolia* (Roxb.) Planch.: [164] *Vitis rugosa* Wall.: *Ampellocissus robinsonii* Planch. [165] *Vitis sikkimensis* Laws.: *Ampellocissus sikkimensis* (Laws.) Planch. [166] *Vitis divaricata* Wall.: *Ampellocissus divaricata* (Wall.ex Laws.) Planch.[167] *Vitis trifolia* Linn.: *Cayratia trifolia* (L.) Domin [168] *Vitis semicardata* Wall.: *Parthenocissus semicordata* (Wall.) Planch. [169] *Vitis semicordata* Wall.: *Parthenocissus semicordata* (Wall.) Planch. [170] *Vitis bracteolata* Wall.: *Tetrastigma bracteolatum* (Wall.) Planch. [171] *Vitis campylocarpa* Kurz.: *Tetrastigma campylocarpum* (Kurz.) Planch. [172] *Vitis planicaulis* Hk.f.: *Tetrastigma planicaule* (Hk.f.) Gagnep. [173] *Vitis obovata* Laws.: *Tetrastigma obovatum* (Lawson) Gagnep. [174] *Vitis capreolata* Don : *Tetrastigma serrulatum* var. *serrulatum* (Roxb.) [175] *Vitis oxyphylla* Wall.: *Tetrastigma dubium* (Lawson) Planch.[176] *Vitis tenuifolia* W.& A.: *Cayratia japonica* var. *japonica* (Thunb.) Gagnep. [177] *Vitis lanceolaria* Roxb.: *Tetrastigma lanceolarium* (Roxb.) Planch. [178] *Vitis rumicisperma* laws.: *Tetrastigma rumicispermum* (Laws.) Planch. [179] *Vitis hookeri* Laws.: *Tetrastigma hookeri* (Laws.) Planch. [180] *Vitis japonica* Thunb.: *Cayratia japonica* (Thunb.) Gagnep. [181] *Vitis pedata* Vahl.: *Cayratia pedata* (Lam.) Gagnep. [182] *Vitis rubifolia* Wall.: *Ampellocissus rubifolia* (Wall.) Planch. [183] *Leea acuminata* Wall.: *Leea guineense* G.Don [184] *Leea trifoliata* Laws.: *Leea compactiflora* Kurz. [185] *Leea crispa* Willd.: *Leea asiatica* (L.) Ridsdale [186] *Leea aspera* Edgew.: *Leea asiatica* (L.) Ridsdale [187] *Leea umbreculifera* C.B.Clarke : *Leea indica* (Burm.f.) Merr. [188] *Leea sambucina* Willd.: *Leea indica* (Burm.f.) Merr. [188] *Leea bracteata* C.B.Clarke : *Leea compactiflora* Kurz. [189] *Leea robusta* Roxb.: *Leea macrophylla* Roxb.ex Hornem. **Staphyleaceae:** [190] *Turpinia nepalensis* Wall.: *Turpinia cochinchinensis* (Lour.) Merr. **Aceraceae:** [191] *Acer niveum* Bl.: *Acer laurinum* Hassk. **Sapindaceae**: [192] *Aesculus punduana* Wall.: *Aesculus assamica* Griff. [193] *Dittelasma rarak* Hook.f.: *Sapindas rarak* var. *rarak* DC. [194] *Sapindas mukorossi* Gaertn.: *Sapindas saponaria* L. [195] *Aphania rubra* Radlk.: *Lepesanthes senegalensis* (Poir.) Leenh. [196] *Aphania danura* Radlk.: *Lepesanthes senegalensis* (Poir.) Leenh. [197] *Nephelium longana* Camb.: *Dimocarpus longana* Lour. [198] *Nephelium litchi* Camb.: *Litchi chinensis* Sonn. **Sabiaceae:** [199] *Meliosma mannii* Lace: *Meliosma thorellii* Leconte. [200] *Meliosma wallichii* Planch.: *Meliosma arnottiana* (Wight) Walp. **Anacardiaceae**: [201] *Rhus semialata* Merr.: *Rhus chenensis* Mill. var. *chinensis* [202] *Rhus insignis* Hk.f.: *Toxicodendron hookeri* (Sahni & Bahadur) C.Y.Wu.&T.L.Ming [203] *Rhus griffithii* Hk.f.: *Toxicodendron griffithii* (Hk.f.)Kuntze var.griffithii [204] *Holigarna longifolia* Roxb.: *Holigarna caustica* (Dennst.) Oken [205] *Lannaea grandis* A.Rich: *Lannaea coromandelica* (Denst.) Engl. [206] *Tapiria hirsuta* Hk.f.: *Pegia nitida* Colebr. [207] *Spondias mangifera* Willd.: *Spondias pinnata* (L.f.) Kurz. [208] *Spondias axillaries* Roxb.: *Spondias mombin* L. **Moringaceae**: [209] *Moringa pterygosperma* Gaertn.: *Moringa oleifera* Lam.

Volume : II

Leguminosae (old) : [210] *Priotropis cytisoides* W.& A.: *Crotalaria cytisoides* DC. [211] *Crotalaria sericea* Retz.: *Crotalaria spectabilis* Roth. [212] *Crotalaria striata* DC.: *Crotalaria pallida* Aiton [213] *Indigofera leptostachya* DC.: *Indigofera cassioides* DC. [214] *Indigofera pulchella* Roxb.: *Indigofera*

cassioides DC. [215] *Indigofera viscosa* Lamk.: *Indigofera colutea* (Burm.f.) Merr. [216] *Indigofera inneaphylla* Linn.: *Indigofera linnaei* Ali. [217] *Lens esculenta* Moench.: *Lens culineris* Medik [218] *Millettia pulchra* Benth.: *Millettia pulchra* var. *pulchra* Kurz. [219] *Millettia prainii* Dun.: *Millettia glaucescens* Kurz. [220] *Millettia cinerea* Benth.: *Callerya cinerea* (Benth.) Schot. [221] *Millettia fruticosa* Benth.: *Phaseolodes fruticosum* (Benth. ex Baker f.) Kuntze [222] *Sesbania aegyptiaca* Pers.: *Sesbania sesban* Merr. [223] *Lespedeza stenocarpa* Maxim: *Campylotropis stenocarpa* (Klotzch) Schindll. [224] *Lespedeza eriocarpa* DC.: *Campylotropis eriocarpa* (DC.) Schindl. [225] *Lespedeza thomsonii* Benth.: *Campylotropis thomsonii* (Baker.) Schindl. [226] *Pycnosora hedyseroides* R.Br.: *Pycnospora lutescens* (Poir) Schindl. [228] *Uraria picta* Desv.{unresolved}: *Uraria picta* (Jacq.) DC. [229] *Uraria crinita* Desv.: *Uraria crinita* (L.) DC. [230] *Uraria alopecuroides* Wight: *Uraria lagopus* var.*lagopus* DC. [231] *Uraria hamosa* Wall.: *Uraria rufescens* (DC.) Schindl. [232] *Uraria neglecta* Prain: *Uraria lagopus* var.*neglecta* (Prain) Ohashi [233] *Alysicarpus wallichii* W.&A.: *Alysicarpus rugosus* (Willd.) DC. [234] *Desmodium cephalotes* Wall.: *Desmodium triangulare* subsp. *triangulare* (Retz.) Schindl. [235] *Desmodium pulchellum* Benth.: *Desmodium pulchellum* (L.) Benth. [236] *Desmodium laburnifolium* DC.: *Ohwia caudata* (Thunb.) H.Ohashi [237] *Desmodium racemosum* (Thunb.) DC.: *Hylodesmum podcarpum* subsp. *oxyphyllum* (DC.) Ohashi & Mill. [238] *Desmodium sambuense* DC.: *Desmodium multiflorum* DC. [239] *Desmodium laxum* DC.: *Hylodesmum laxum* (DC.) Ohashi & Mill. [240] *Desmodium scalpe* DC.: *Hylodesmum rependum* (Vahl.) Ohashi & Mill [241] *Desmodium polycarpum* DC.: *Desmodium heterocarpon* (L.) DC. [242] *Desmodium latifolium* DC.: *Desmodium velutinum* subsp. *velutinum* (Willd.) DC. [243] *Desmodium retroflexum* DC.: *Desmodium styracifolium* (Osbeck.) Merr. [244] *Desmodium triquetrum* DC.: *Tadehagi triquetrum* (L.) Ohashi [245] *Desmodium alatum* DC.: *Tadehagi triquetrum* subsp. *alatum* (DC.) Ohashi [246] *Desmodium pseudotriquetrum* DC.: *Tadehagi pseudotriquetrum* (DC.) Yang & Huang [247] *Desmodium gyrans* DC.: *Codariocalyx motorius* (Houtt.) Ohashi [248] *Desmodium gyroides* DC.: *Codariocalyx gyroides* (Link.) Hassk. [249] *Desmodium dioicum* DC.: *Desmodium confertum* DC. [250] *Pisum arvense* L.: *Pisum sativum* subsp.*sativum* L. [251] *Shuteria vestita* W.&A.: *Shuteria involucrata* (Wall.) W.& A. [252] *Glycine soja* Benth.: *Glycine max* (L.) Merr. [253] *Mucuna imbricata* DC.: *Stizolobium imbricatum* (Roxb.) Kuntze [254] *Mucuna excreta* Clarke & Fischer: *Mucuna bracteata* DC. [255] *Mucuna prurita* Hk.: *Mucuna pruriens* (L.) DC. [256] *Erythrina ovalifolia* Roxb.: *Erythrina fusca* Lour. [257] *Butea frondosa* Roxb.: *Butea monosperma* (Lam.) Taubert [258] *Butea minor* Ham.: *Meizotropis buteiformis* Voigt [259] *Spatholobus roxburgii* Benth.: *Spatholobus parviflorus* (DC.) Kuntze [260] *Pueraria thunbergiana* Benth.: *Pueraria montana* var.*lobata* (Willd.) Sanjappa & Pradeep [261] *Pueraria subspicata* Benth.: *Pueraria phaseoloides* var.*subspicata* (Benth.) Maesen [262] *Phaseolus calcaratus* Roxb.: *Vigna umbellata* (Thunb.) Ohwia & Ohashi [263] *Vigna vexillata* Benth.: *Vigna vexillata* (L.) A.Rich [264] *Vigna catiang* Endl.: *Vigna unguiculata* (L.) Walp. [265] *Dolichos fulcatus* Khein.: *Dolichos trilobus* subsp. *trilobus* L. [266] *Dolichos biflorus* L.: *Vigna unguiculata* subsp. *unguiculata* (L.) Walp. [267] *Dlichos lablab* L.: *Lablab purpurens* (L.) Sweet [268] *Flemingia congesta* Roxb.: *Flemingia macrophylla* (Willd.) Merr. [269] *Flemingia semialata* Roxb.: *Flemingia macrophylla* (Willd.) Merr. [270] *Flemingia latifolia* Benth.: *Flemingia macrophylla* (Willd.) Merr. [271] *Flemingia vestita* Benth.: *Flemingia procumbens* Roxb. [272] *Dunbaria circinalis* Baker.: *Dunbaria punctata* (W.& A.) Benth. [273] *Atylosia barbata* Baker.: *Cajanas goensis* Dalzell [274] *Atylosia elongata* Benth.: *Cajanas elongatus* (Benth.) Maesen [275] *Cajanas indicus* Spreng.: *Cajanas cajan* (L.) Mill. [276] *Dalbergia sissoo* Roxb.: *Dalbergia sissoo* DC. [277] *Dalbergia paniculata* Roxb.: *Dalbergia lanceolaria* subsp. *paniculata* (Roxb.) Thoth. [278] *Dalbergia tamarindifolia* Roxb.: *Dalbergia pinnata* (Lour.) Prain [279] *Dalbergia foliacea* Wall.: *Dalbergia rimosa* var. *foliacea* (Benth.) Thoth. [280] *Pongamia glabra* Vent.: *Pongamia pinnata* (L.) Pierre [281] *Derris uliginosa* Benth.: *Derris trifoliata* Lour. [282] *Derris thyrsiflora* Benth.: *Aganope thyrsiflora* (Benth.) Polhill. [283] *Derris wallichii* Prain : *Aganope thyrsiflora* (Benth.) Polhill. [284] *Sophora acuminata* Benth.: *Sophora benthamii* Steenis [285] *Ormosia robusta* Wight.: *Ormosia robusta* Baker [286] *Caesalpinia microphylla* Ham.: *Caesalpinia tortuosa* Roxb. [287] *Mezoneurum cucullatum* W.& A.: *Caesalpinia cucullata* Roxb. [288] *Mezoneurum enneaphyllum* W.& A.: *Caesalpinia enneaphylla* Roxb. [289] *Cassia nodosa* Ham.: *Cassia javanica* subsp. *nodosa* (Roxb.) K.Larsen & S.Larsen [290] *Cassia occidentalis* Linn.: *Senna occidentalis* (L.) Link. [291] *Cassia sophera* L.: *Sena sophera* (L.) Roxb. [292]

Cassia hirsuta L.: *Senna hirsuta* (L.) Irwin & Barneby [293] *Cassia tora* Linn.: *Senna tora* (L.) Roxb. [294] *Cassia bicapsularis* L.: *Senna bicapsularis* (L.) Roxb. [295] *Cassia laevigata* Willd.: *Senna septemtrionalis* (Viv.) Irwin & Barneby [296] *Cassia mimusoides* L.: *Chaemaecrista mimusoides* (L.) Greene [297] *Cynometra polyandra* Roxb.: *Maniltoa polyandra* (Roxb.) Harns. [298] *Poinciana regia* Bojr.: *Delonix regia* (Hook.) Raf. [299] *Bauhinia piperifolia* Roxb.: *Bauhinia scandens* L. [300] *Bauhinia macrostachya* Wall.: *Bauhinia wallichii* J.F.Macbr. [301] *Bauhinia albo-lutea* Prain: *Bauhinia stipularis* Korth. [302] *Bauhinia tenuiflora* Watt. ex Clarke : *Bauhinia glauca* subsp. *tenuiflora* (Clarke) K.Larsen & S.Larsen [303] *Bauhinia anguina* Roxb.: *Bauhinia scandens* L. [304] *Entada scandens* Benth.: *Entada gigas* (L.) Fawc. & Rendle [305] *Parkia roxburghii* G.Don: *Parkia timoriana* (DC.) Merr. [306] *Acacia suma* Kurz.: *Acacia polycantha* Willd. [307] *Acacia oxyphylla* Graham ex Craib: *Acacia caesia* var. *subnuda* (Craib) I.C.Nielsen [308] *Albizzia lucida* Benth.: *Albizzia lucidior* (Steud) I.C.Nielsen [309] *Albizzia stipulata* Boivin: *Albizzia chinensis* (Osbeck.) Merr. [310] *Albizzia gamblei* Prain: *Albizzia lucidior* (Steud) I.C.Nielsen [311] *Pithecellobium bigeminum* Benth.: *Archidendron bigeminum* (L.) I.C.Nielsen [312] *Pithecellobium glomeriflorum* Kurz.: *Archidenddron glomeriflorum* (Kurz.) I.C.Nielsen [313] *Pithecellobium angulatum* Benth.: *Archidendron clypearia* (Jack) I.C.Nielsen [314] *Pithecellobium montanum* Benth.: *Archidendron clypearia* subsp. *clypearia* (Jack) I.C.Nielsen [315] *Calliandra griffithii* Benth.: *Calliandra umbrosa* subsp. *griffithii* (Benth.) S.R.Paul [316] *Enterolobium saman* Prain: *Albizzia saman* (Jacq.) Merr. **Rosaceae:** [317] *Prunus undulata* Ham.: *Laurocerasus undulata* (Buch.-Ham.ex D.Don) .Roem. [318] *Prunus ceraseoides* D.Don: *Cerasus cerasoides* (Buch.-Ham.ex D.Don) S.Y.Sokolov [319] *Prunus jenkinsii* Hk.f.& Thomson: *Laurocerasus jenkinsii* (Hk.f.& Thomson) Browicz [320] *Prunus acuminata* Wall.: *Laurocerasus undulata* (Buch.-Ham.ex D.Don) M.Roem [321] *Prunus punctata* Hk.f.& Th.: *Laurocerasus phaeosticta* (Hance) C.K.Schneid [322] *Prunus communis* Hudson: *Prunus domestica* L. [323] *Prunus triflora* Roxb.: *Prunus salicina* Lindl. var. *salicina* [324] *Pygeum montanum* Hk.f.: *Prunus arborea* var. *montana* (Hk.f.) Kalkman [325] *Pygeum cilliatum* Koehne: *Prunus arborea* var. *montana* (Hk.f.) Kalkman [326] *Pygeum ocellatum* Koehne: *Prunus arborea* var. *montana* (Hk.f.) Kalkman [327] *Rubus lasiocarpus* Smith.: *Rubus niveus* Thunb. [328] *Fragaria indica* Andr.: *Duchesnia indica* (Andrews) Focke [329] *Potentilla mooniana* Wight.: *Potentilla polyphylla* Wall. ex. Lehm. [330] *Potentilla fulgens* Wall.: *Potentilla lineata* Trevia [331] *Poterium longifolia* Bertol: *Sanguisorba officinalis* var. *longifolia* (Bertol) T.T.Yu & C.L.Li [332] *Spiraea callosa* Thunb.: *Spiraea japonica* (L.) Desv. var. *japonica* [333] *Rosa involucrata* Roxb.: *Rosa clinophylla* Thory [334] *Rosa damascena* Hill.:Rosa X *damascena* 144+ (pro sp.) [335] *Rosa centifolia* Linn.: *Rosa* X *centifolia* 9+ (prosp.)+ [336] *Rosa microphylla* Lindl.: *Rosa cymosa* Tratt. [337] *Rosa alba* L.: *Rosa* X *alba* L. [338] *Docynia hookeriana* Dcne: *Docynia indica* Decne. (Wall.) [339] *Pyrus baccata* Linn.: *Malus baccata* (L.) Borkh. [340] *Pyrus sinensis* Lindl.: *Choenomelus sinensis* (Thouin) Koehne [341] *Pyrus mallus* Linn.: *Mallus pumila* [342] *Pyrus vestita* Wall.: *Sorbus cuspidata* (Spach.) Hedl. [343] *Pyrus khasiana* Decne.: *Sorbus khasiana* (Decne.) Rehder [344] *Pyrus granulosa* Bertol.: *Sorbus corymbifera* (Miq.) N.T.Kh'ep & G.P.Yakovlev [345] *Pyrus cuspidata* Bertol.: *Photinia cuspidata* (Bertol.) N.P.Balakr. [346] *Pyrus polycarpa* Hk.f.: *Sorbus polycarpa* (Hk.f.) Rehder [347] *Stranvaesia glaucescens* Lindl.: *Stranvaesia nussia* (Buch-Ham.ex D.Don) Decne. [348] *Photinia notoniana* W.& A.: *Photinia integrifolia* Lindl. var *notoniana* (W.& A.) Vidal [349] *Pourthiaea arguta* Decne.: *Photinia arguta* Lindl. var. *arguta* Wall. ex. Lindl. [350] *Pourthiaea salicifolia* Decne.: *Photinia arguta* var. *salicifolia* (Decne.) Vidal [351] *Cotoneaster simonsii* Baker: *Cotoneaster symondsii* Standish ex T.Moore. **Saxifragaceae:** [352] *Hydrangea vestita* Wall.: *Hydrangea heteromalla* D.Don [353] *Hydrangea hortensia* Sieb.: *Hydrangea macrophylla* (Thunb.) Ser. [354] *Saxifraga ligulata* wall.: *Bergenia pacumbis* (Buch.-Ham. ex.D.Don) C.Y.Wu & J.T.Pan **Droseraceae:** [355] *Drosera peltata* Sm.: *Drosera peltata* Thunb. var. *peltata* **Hammamelidaceae:** [356] *Corylopsis manipurensis* Hemsl.: *Corylopsis himalayan* Griff. [357] *Bucklandia populnea* Br.: *Exbucklandia populnea* (R.Br. ex Griff.) Merr. **Rhizophoraceae:** [358] *Carallia lucida* Roxb.: *Carallia brachiata* (Lour.) Merr. **Combretaceae**: [359] *Anogeissus acuminata* Wall.: *Anogeissus acuminata* (Roxb. ex DC.) Guill. [360] *Combretum decandrum* Roxb.: *Combretum album* Perr. [361] *Combretum flagrocarpum* Herb.: *Combretum wallichii* var. *flagrocarpum* (C.B.Clarke) M.G. Gangop. & Chakrab. [362] *Combretum dasystachyum* Kurz.: *Combretum Wallichii* var. *griffithii* (Heurck & Arg.) M.G.Gangop. & Chakraborty [363] *Combretum extensum* Roxb.:

Combretum latifolium Blume [364] *Qisqualis indica* L.: *Combretum indicum* (L.) DeFillips [365] *Calycopteris floribunda* Lamk.: *Getonia floribunda* Roxb. **Myrtaceae**: [366] *Eugenia formosa* Wall.: *Syzygium formusum* (Wall.) Masam. [367] *Eugenia macrocarpa* Roxb.: *Syzygium macrocarpum* (Craib.) Rathakr. & N.C.Nair [368] *Eugenia diospyrifolia* Wall.: *Syzygium diospyrifolium* (Wall. ex Duthie) S.N.Mitra [369] *Eugenia aquea* Burm.: *Syzygium aqueum* (Burm.f.) Alston [370] *Eugenia malaccensis* L.: *Syzygium malaccense* (L.) Merr. & Perry [371] *Eugenia javanica* Lamk.: *Syzygium sammarngense* (Bl.) Merr. & Perry [372] *Eugenia jambos* L.: *Syzygium jambos* (L.) Alston [373] *Eugenia polypetala* Wight.: *Syzygium polypetalum* (Wall.) Merr. & Perry [374] *Eugenia praecox* Roxb.: *Syzygium praecox* (Roxb.) Rathkr. & Nair [375] *Eugenia kurzii* Duthie: *Syzygium kurzii* (Duthie) N.P.Balakr. [376] *Eugenia bifida* Wall.: *Syzygium laurifolium* (DC.) N.P.Balakr. [377] *Eugenia grandis* Wight.: *Syzygium grande* (Wight.) Walp. [378] *Eugenia ramosissima* Wall.: *Syzygium ramosissimum* (Bl.) N.P.Balakr. [379] *Eugenia* (*Jambosa*) *anisopetala* Parker: *Syzygium anisopetalum* (Parker) N.P.Balakr. [380] *Eugenia mangifolia* Wall.: *Syzygium reticulatum* (Wight.) Walp. [381] *Eugenia inophylla* Roxb.: *Syzygium inophyllum* DC. [382] *Eugenia lanceolaria* Roxb.: *Syzygium lanceolarium* (Roxb.) N.P.Balakr. [383] *Eugenia cymosa* Lam.: *Syzygium cymosum* (Lam.) DC. [384] *Eugenia saligna* (Miq.) Robinson: *Syzygium salignum* (Miq.) Rathkr. & N.C.Nair [385] *Eugenia prataermissa* Gage.: *Syzygium prataermissum* (Gage.) N.P.Balakr. [386] *Eugenia claviflora* Roxb.: *Syzygium claviflorum* (Roxb.) Wall. ex Cowan & Cowan [387] *Eugenia tetragona* Wight.: *Syzygium tetragonum* (Wight.) Wall. ex Walp. [388] *Eugenia balsamea* Wight.: *Syzygium balsameum* (Wight.) Wall ex Walp [389] *Eugenia operculata* Roxb.: *Syzygium nervosum* A.Cunn. ex DC. [390] *Eugenia jambolena* Lam.: *Syzygium cumini* (L.) Skeels [391] *Eugenia fruticosa* Roxb.: *Syzygium fruticosum* DC. [392] *Eugenia khasiana* Duthie: *Syzygium khasianum* (Duthie) N.P.Balakr. [393] *Eugenia oblata* Roxb.: *Syzygium oblatum* (Roxb.) Wall. ex A.M.Cowan & Cowan [394] *Eugenia cuneata* Wall.: *Syzygium cuneatum* Wall. [395] Eugenia cyanophylla Kanjilal et Das: Syzygium cyanophyllum (Kanjilal et Das) Raizada [396] *Eugenia grata* Wall.: *Eugenium gratum* Wall. [397] *Eugenia bracteata* Roxb.: *Eugenia roxburghi* DC. [398] *Eugenia aborensis* Dunn.: *Syzygium aborense* (Dunn.) Rathkr. & Nair [399] *Decaspermum paniculatum* Kurz.: *Decaspermum parviflorum* (Lam.) A.J.Scott. [400] *Eucalyptus maculata* Hk.: *Corymbia maculata* (Hk.) Hill & Johnson [401] *Callistemon linearis* DC.: *Callistemon lineari* (Schrad. & Wendl.) Colv. ex Sweet **Melastomaceae:** [402] *Osbeckia rostrata* Don.: *Osbeckia stellata* Buch.-Ham. ex KerGawl. [403] *Melastoma nornale* Don: *Melastoma malabathricum* L. [404] *Anplectrum assamicum* C.B.Clarke: *Medinilla assamica* (C.B.Clarke) Chen. [405] *Memecylon grandis* Retz.: *Memecylon pubescens* (C.B.Clarke) King **Lythraceae:** [406] *Lagerstroemia flos-reginae* Retz.: *Lagerstroemia speciosa* (L.) Pers [407] *Duabanga sonneratioides* Ham.: *Duabanga grandiflora* (DC.) Walp. **Onagraceae:** [408] *Epilobium hookeri* C.B.Clarke: *Epilobium brevifolium* subsp. *trichoneurum* (Hausskn.) P.H.Raven [409] *Epilobium khasianum* C.B.Clarke: *Epilobium pannosum* Hausskn. [410] *Jussiaea suffruticosa* L.: *Ludwigia octavalvis* (Jacq.) P.H.Raven [411] *Trapa bispinosa* Roxb.: *Trapa natans* var. *bispinosa* (Roxb.) Makino [412] *Oenothera rosea* Soland: *Oenothera rosea* L'Hér. ex Aiton [413] *Oenothera drummondi* L.: *Oenothera drummondi* Hook. **Passifloraceae**: [414] *Passiflora leschenaultii* DC.: *Decaloba leschenaultii* (DC.) M.Roem. [415] *Passiflora nepalensis* Wall.: *Anthoctina nepalensis* M.Roem. [416] *Passiflora adenophylla* Mast.: *Passiflora subpeltata* Ortega [417] *Modecca trilobata* Roxb.: *Adenia trilobata* (Roxb.) Engl. [418] *Modecca cardiophylla* Mast.: *Adenea cardiophylla* (Mast.) Engl. **Cucurbitaceae**: [419] *Trichosanthes palmata* Roxb.: *Trichosanthes tricuspidata* Lour. [420] *Cephalandra indica* Naud.: *Coccinia grandis* (L.) Voigt. [421] *Thladiantha calcareta* C.B.Clarke.: *Thladiantha cordifolia* (Blume) Cogn. var. *cordifolia* [422] *Zehneria umbellata* Thw.: *Solena amplexicaulis* (Lam.) Gandhi [423] *Gynostemma pedak* Bl.: *Gynostemma pentaphyllum* (Thunb.) Makino [424] *Luffa aegyptiaca* Mill.: *Luffa cylindrica* (L.) M.Roem. [425] *Benincasa cerifera* Savi: *Benincasa hispida* (Thunb.) Cogn. [426] *Citrullus vulgaris* Schrad.: *Citrullus lanatus* (Thunb.) Matsum & Nakai [427] *Lagenaria vulgaris* Ser.: *Lagenaria siceraria* (Moline) Standl. [428] *Cucurbita pepo* DC.: *Cucurbita pepo* L. **Begoniaceae:** [429] *Begonia laciniata* Roxb.: *Begonia palmata* D.Don **Cactaceae:** [430] *Mollugo lotoides* Okze.: *Glinus lottoides* L. [431] *Mollugo oppositifolia* L.: *Glinus oppositifolius* (L.) Aug. DC. [432] *Carum copticum* Benth.: *Tachyspermum ammi* (L.) Sprague **Umbelliferae**: [433] *Hydrocotyle asiatica* L.: *Cantella asiatica* (L.) Urb. [434] *Sanicula europea* L.: *Sanicula alata* Buch.-Ham. ex D.Don [435] *Carum khasianum* C.B.Clarke: *Tachyspermum khasianum* H.Wolff. [436]

Seseli daucifolium C.B.Clarke: *Cnidium monnieri* (L.) *Cusson* var. *monnieri* [437] *Oenanthe stolonifera* Wall.: *Oenanthe javanica* (Bl.) DC. subsp. *javanica* [438] *Selinum striatum* Benth.: *Ligusticum striatum* DC. [439] *Heracleum obtusifolium* Wall.: *Heracleum condicus* var. *obtusifolium* (Wall. ex DC.) F.T.Pu & M.F.Watson. **Araliaceae:** [440] *Aralia pseudo-ginseng* Benth.: *Panax pseudoginseng* Wall. [441] *Pentapanax subcordatus* Seem.: *Aralia subcordata* (Wall. ex G.Don) J.Wen [442] *Pentapanax leschenaultii* Seem.: *Aralia leschenaultii* (DC.) J.Wen [443] *Pentapanax parasiticum* Seem.: *Aralia parasitica* (D.Don) J.Wen [444] *Panax fruticosum* L.: *Polyscias fruticosa* (L.) Harms [445] *Heptapleurum hypoleucum* Kurz.: *Schefflera hypoleuca* (Kurz) Harms [446] *Heptapleurum elatum* C.B.Clarke: *Schefflera elata* (Buch.-Ham.) Harms [447] *Heptapleurum glaucum* C.B.Clarke: *Schefflera kurzii* Frodin [448] *Heptapleurum khasianum* C.B.Clarke: *Schefflera khasiana* (C.B.Clarke) R.Vig. [449] *Heptapleurum venulosum* Seem.: *Schefflera venulosa* (Wight & Arn.) Harms [450] *Schefflera bengalensis* Gamble: *Schefflera pubigera* (Brongn. ex Planch.) Frodin [451] *Dendropanax japonicum* Seem.: *Dendropanax trifidus* (Thunb.) Makino ex Hara [452] *Dendropanax listeri* King: *Merriliopanax listeri* (King) H.L.Li. [453] *Acanthopanax aculeatum* Seem.: *Eleutherococcus trifoliatus* (L.) S.Y.Hu [454] *Brassaiopsis speciosa* Dcne. & Planch.: *Brassaiopsis glomerulata* var. *glomerulata* (Bl.) Regel. [455] *Brassaiopsis palmata* Kurz.: *Brassaiopsis hainla* (Buch.-Ham.) Seem. [456] *Tupidanthus calyptratus* Hk.f. & Th.: *Schefflera pueckleri* (K.Koch) Frodin [457] *Fatsia papyrifera* (Hk.) K.Koch. **Cornaceae:** [458] *Alangium begoniaefoila* Roxb.: *Alangium chinense* (Lour.) Harms. [459] *Alangium barbata* R.Br.: *Alangium barbatum* (R.Br.) Baill. [460] *Alangium lamarkii* Thwaites.: *Alangium salvifolium* subsp. *salvifolium* (L.f.) Wangerin [461] *Nyssa sessiliflora* Hk.f.: *Nyssa javanica* (Bl.) Wangerin [462] *Helwingia lanceolata* Watt.: *Helwingia himalaica* Hk.f. Th. ex C.B.Clarke

Plants included in the addenda of Volume II of Flora of Assam

[463] *Desmodium rufihirsutum* Craib.: *Desmodium velutinum* subsp. *longibracteatum* (Schindl.) Ohashi [464] *Sorbus expansa* Koehne.: *Sorbus wilsoniana* C.K.Schneid [465] *Sorbus wenzigiana* Koehne.: *Sorbus ursina* var. *wenzigiana* Schneid [466] *Saxifraga sarmentosa* L.: *Saxifraga stolonifera* Curtis [467] *Sonerila tenera* Royle: *Sonerila erecta* Jack [468] *Uraria hispida* Schindl.: *Desmodium hispidum* Franch. [469] *Puerraria yuannanensis* Franch. (But re-instated): *Puerraria peduncularis* (Benth.) Benth. [470] *Oxyspora serrata* Diels.: *Plagiopetalum esquirolii* (H.Lév.) Rehder.

In this compilation, updated account of name changes of total 470 plant species included in the concerned flora are listed with their current names. In the account, the names which are not confirmed or unresolved are excluded. It becomes apparent from this account that sometimes the same plant is mentioned by different old names while the new name removes this error. Sometimes there is change in only in the author citation. But, it must be admitted that the name change account presented here is not a coclusive one. Due to more & more modern taxonomic researches, many of the newly accepted names may also change from time to time. Evolutionary relationships amongst plants will continue to be the subject of scrutiny and reinterpretation. Plant names as we know them now, and the names we will use in the future, are the achievements of hard-working taxonomists. Feeble as the act may seem, taxonomists are working to make sense of the bewildering world of plant diversity. But these are done only to make nomenclature more manageable for everyone else. However, as mentioned in the introduction, there are total five volumes of the concerned flora, of which only first two are touched in this work and works on the next volumes are in progress.

References

Bennet, S. S. R.(1987). *Name changes in Flowering Plants of India and adjacent Regions*, Triseas Publishers, Dehra Dun.

Bhagawati, A.K., M.C. Kalita, and S. Baruah (2006). *Biodiversity of Assam, status strategy & action plan*, Assam Science Society, EBH publishers, Guwahati.

Chowdhery, H. J., G. S. Giri and A. Pramanik (2009). *Materials for the Flora of Arunachal Pradesh,* Vol. **3**. BSI, Calcutta.

Chowdhury, S. (2005). *Assam's Flora (Present status of Vascular Plants)*, Assam Science Technology & environment Council, Guwahati, Assam.

Das, P. S., M. D. Chowdhury and B. K. Dutta (2013). *Flora of Barak Valley, Assam with their economic untility,* Vol. **1**, Regency Publications, New Delhi.

Deb, D. B. (1981 & 1983). *The Flora of Tripura State*, Vols. **1** & **2**, Today & Tomorrow's Printers & Publishers, New Delhi, India.

epic.kew.org/ (Elecronic Plant Information Centre, Kew).

Giri, G. S., A. Pramanik and H. J. Chowdhery (2008). *Materials for the Flora of Arunachal Pradesh* Vol. **2**, BSI, Calcutta.

Ghosh, Subir K. (2005). *Illustrated Aquatic and Wetland Plants*

in Harmony with Mankind, Standard literature. Kolkata.

gni.globalnames.org/ (Global Names Index)

Gogoi, A. B. (1997). *Floristic composition of Tinsukia district of Assam : A systematic study*. *Ph. D. Thesis*, Guwahati University, Assam (Unpublished).

Gogoi, P. (1978). *A detailed study of the flora of Golaghat sub-division and its neighbouring areas*. *Ph.D. Thesis*, Guwahati University, Assam (Unpublished).

Goswami, L. C. (2003). *Studies on usage of Natural resources of Dibrugarh District with special reference to the Economic Plants*, *Ph.D. Thesis*, Dibrugarh University, Dibrugarh, Assam (Unpublished)

Hajra, P. K., D. M. Verma and G. S. Giri (1996). *Materials for the flora of Arunachal Pradesh*, Vol. **1**, BSI, Calcutta.

Haridasan, K. and R. R. Rao (1985 & 1987). Forest Flora of Meghalaya Vol. **1** & **2**, BSMPS, Dehradun.

indiabiodiversity.org/ (India Biodiversity Portal).

Kanjilal, U. N., P. C. Kanjilal and A. Das (1934, 1936 & 1938). *Flora of Assam* Vol. **l(1, 2)** & **2.** Govt. of India, Shillong.

Kartikeyan, S., M. Sanjappa and S. Moorthy (2009). *Flowering Plants of India : Dicotyledons*. Vol. **1**, BSI, Calcutta.

Malakar, N. C. (1995). *Aquatic Angiasperms of Cachar District, Assam*, *Ph.D. Thesis*, Guwahati Universty, Assam. (Unpublished).

plants.usda.gov/ (USDA PLANTS)

Rashid, M. E. and M. A. Rahman (2011). Updated nomenclature & taxonomic status of the plants of Bangladesh included in Hook.F., The Flora of British India: Volume-**1**, *Bangladesh J. Plant. Taxon.*, **18(2)** : 177-197.

Rashid, M. E. and M. A. Rahman (2012). Updated nomenclature & taxonomic status of the plants of Bangladesh included in Hook. F., The Flora of British India: Volume-**2**, *Bangladesh J. Plant. Taxon.*, **19(2)** : 173-190.

Sarkar, S. (1993). *Studies on the herbaceous plants of Karbi-Anglong District of Assam with reference to their taxonomy and economic utilization*, *Ph.D. Thesis*, Guwahati University, Assam (Unpublished).

Sarma, J. N. (1989). *A detail study of the Flora af Sibsagar district (At present Jorhat and Sibsagar districts*). *Ph.D. Thesis*, Guwahati University, Assam (Unpublished).

Sharma, B. D., N. P. Balakrishnan, R. R. Rao and P. K. Hajra (ed.) (1993). *Flora of lndia* Vol. **1**. BSI, Calcutta.

Sharma, B. D., N. P. Balakrishnan and M. Sanjappa (ed.) (1993). *Flora of lndia*, Vol, **2** & **3**, BSI, Calcutta.

Singh, N. P., A. S. Chauhan and M. S. Mondal (2000). *Flora of Manipur*, Vol. **1**, BSI, Calcutta.

www.ars-grin.gov/npgs/searchgrin.html (GRIN/NPGS: Germoplasm Resource Information Network).

www.biodiversitylibrary.org/ (Biodiversity Heritage Library).

www.boldsystems.org/ (BOLD SYSTEMS TAXONOMIC BROWSER).

www.catalogueoflife.org/ (CATALOGUE OF LIFE)

www.discoverlife.org/ (DISCOVER LIFE)

www.efloras.org/ (EFLORAS)

www.gbif.org/ (Golbal Biodiversity Information Facility)

www.ipni.org/ (International Plant Name Index)

www.itis.gov/ (Integrated Taxonomic Information System)

www.jstor.org/ (JSTOR)

www.pfaf.org/ (Plants For A Future)

www.plantnames.unimelb.edu.au (Multilingual Multiscripted Plant Name Database)

www.plantsystematics.org/ (Plantsystematics.org)

www.sp2000.org/ (Species 2000)

www.springerreference.com/ (SPRINGER REFERENCE)

www.theplantlist.org/ (The Plant List: The Working List of All Plant species)

www.tropicos.org/ (TROPICOS)