



# AN UPDATED ACCOUNT OF THE NAME CHANGES OF THE DICOTYLEDONOUS PLANT SPECIES INCLUDED IN THE VOL: III (1939) & VOL: IV (1940) 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

All the major 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 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 counterparts of the plants included in the 3<sup>rd</sup> & 4<sup>th</sup> volumes of the flora, on the basis of recent standard taxonomic literatures. Earlier, the name changes of the plants included in the 1<sup>st</sup> & 2<sup>nd</sup> volumes are already published & this is the second part of the work. In this, the unresolved names are not touched & only the confirmed ones are taken into account. In the process new names of 531 dicotyledonous plant species included in the concerned flora are compiled out.

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

## Introduction

Scientific names of plants change for three main reasons. The first two reasons are nomenclature and misidentification. Names changes are based on the rule of priority of publication. This rule states that if a species has been named more than once, the first correctly published name must be used; all others are synonyms. A long-established name can be even replaced by another name if new details emerge about earlier publication date. Sometimes the name of an economically important or well known plant is conserved for use even though it is incorrect. Conservation is a formal process that requires a decision at an International Botanical Congress. In case of misidentification, plants are brought into cultivation, propagated, and widely distributed under an incorrect name. By the time of rectification the incorrect name may be in widespread use. The third and common type of name change happens when advances in our botanical knowledge lead to reclassifications. Taxonomists, often in the 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 logical hypothesis only. Recently, new taxonomic

information has accumulated since the advent of DNA sequencing and that has resulted in recent reclassifications. Thus, name changes are sometimes required to uphold the principle that names must represent true evolutionary relationships. Sometimes, to show evolutionary lineage, a genus or family must be split apart or mergers are done to bring about the desired results. Similarly, many species have been transferred from one genus to another.

But because of name changes, various difficulties arise in the preparation of new floras during & after a classical field survey. The floristic worker may identify a specimen in a herbarium, where plants are in old names, but in recent literature he finds a new name for that plant. Similarly, there is difficulty in studying old flora is that; most of the monumental floras include plant in old names. Sometimes a plant may be included in many different names in different floras making the enumeration process painstaking.

In case of North East India, the “Flora of Assam” is the oldest flora to include 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 (1934-1940), 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. Therefore, an attempt has been made 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 & the name changes of the first & second volumes of the flora are already published (Borah, 2014). The current presentation aims at solving the name change related difficulties of the plants included in the “Flora of Assam, Vol.: III (1939) & Vol.: IV (1940)”.

### 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 arrangement order of the original copy of third & fourth 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 : III

**Caprifoliaceae** : [1] *Viburnum simonsii* Hk. f. & T. : *V. odoratissimum* var. *awabuki* (K.Koch.) Zabel ex Rümpler [2] *Viburnum foetens* Dcne. : *V. grandiflorum* Wall. ex DC. [3] *Lonicera braceana* Hemsl. : *L. hildbrandiana* Collett & Hemsl. [4] *Lonicera mcrantha* DC. : *L. macrantha* var. *macrantha* (D.Don) Spreng.

**Rubiaceae** : [5] *Sarcocephalus cordatus* Miq. : *Nauclea orientalis* (L.) [6] *Anthocephalus cadamba* Miq. : *Neolamarckia cadamba* (Roxb.) Bosser [7] *Nauclea griffithii* Haviland : *Neonauclea griffithii* (Hook. f.) Merr. [8] *Adina cordifolia* Hk.f. : *Haldina cordifolia* (Roxb.) Ridsdale [9] *Adina polycephala* Benth. : *Metadina trichotoma* (Zoll. & Moritz) Bakh.f. [10] *Adina oligocephala* Havi.: *Khasiaclunea oligocephala* (Havl.) Ridsdale [11] *Uncaria pilosa* Roxb. : *U. scandens* (Sm.) Hutch [12] *Hymenopogon parasiticus* Wall. : *Neohymenopogon parasiticus* (Wall.) Bennet [13] *Hymenodictyon excelsum* Wall. : *H. orixense* (Roxb.) Mabb. [14] *Cinchona ledgeriana* Moens. : *C. calisaya* Weddell. [15] *Cinchona succirubra* Pavon.: *C. pubescens* Vahl. [16] *Wendlandia exserta* DC. : *W. heynei* (Schult.) Santapau & Merchant [17] *Wendlandia grandis* Cowan. : *W. budleioides* Wall. ex W. & A. [18] *Hedyotis vestita* Br. : *Oldenlandia cristata* (Willd.ex Roem.& Schult.) ined. [19] *Hedyotis tenelliflora* Bl.: *Oldenlandia tenelliflora* (Blume) Kuntze [20] *Hedyotis tenelliflora* Bl. : *Oldenlandia tenelliflora* (Blume) Kuntze [21] *Hedyotis hispida* Retz. : *Oldenlandia verticillata* L. [22] *Oldenlandia nudicaulis* Roth.: *O. ovatifolia* (Cav.) DC. [23] *Oldenlandia heynii* Br. : *O. herbacea* (L.) Roxb. [24] *Oldenlandia paniculata* Linn. : *O. biflora* L. [25] *Anotis oxyphylla* Wall. : *Neanotis oxyphylla* (Wall. ex G.Don) W.H. Lewis [26] *Anotis ingrata* Wall. : *Neanotis ingrata* (Wall. ex. Hook. f.) W.H.Lewis [27] *Anotis wightiana* Hk. f. : *Neanotis wightiana* (Wall. ex. Wight & Arn.) W.H. Lewis [28] *Anotis gracilis* Hk. f. : *Neanotis gracilis* (Hook.f.) W.H.Lewis [29] *Ophiurhiza harrisiana* Heyne. : *O. rugosa* var. *prostrata* (D.Don) Deb. & Mondal [30] *Mussaenda pentasemia* Fischer. : *M. macrophylla* Wall. f. *grandisepala* Jayaw. [31] *Polysolenia wallichii* Hk. f. : *Leptomischus wallichii* (Hook. f.) H.S.Lo [32] *Keenania modesta* Hook. f. : *Leptomischus modestus* (Hook.f.) Deb [33] *Webera corymbosa* Willd. : *Tarenna asiatica* (L.) Kuntze ex K.schum. [34] *Webera disperma* Hk. f. : *Tarenna disperma* (Hook.f.) Pit. [35] *Webera pumila* Hk.f. : *Tarenna pumila* (Hook.f.) Merr. [36] *Webera kurzii* Hk.f. : *Tarenna weberifolia* (Kurz) N.P. Balakr. [37] *Webera campaniflora* Hk.f. : *Tarenna campaniflora* (Hook.f.) N.P.Balakr. [38] *Gardenia campanulata* Roxb. : *Ceriscoides campanulata* (Roxb.) Tirveng. [39] *Gardenia turgida* Roxb. : *Ceriscoides turgida* (Roxb.) Tirveng. [40] *Randia uliginosa* DC. : *Tamilnadia uliginosa* (Retz.) Tirveng. & Sastre [41] *Randia longiflora* Lamk. : *Oxyceros longiflorus* (Lam.) T.Yamaz. [42] *Randia griffithii* Hk.f. : *Bankara*

- griffithii* (Hook.f.) Ridsdale [43] *Randia dumentorum* Lamk. : *Caturanegam spinosa* (Thunb.) Tirveng. [44] *Randia fasciculata* DC. : *Benkara fasciculata* (Roxb.) Ridsdale [45] *Randia densiflora* Benth. : *Aidia densiflora* (Wall.) Masam. [46] *Randia wallichii* Hk.f. : *Tarrenoidea wallichii* (Hook.f.) Tirveng. & Sastre [47] *Tricalysia singularis* K.Schum. : *Discospermum abnorme* (Korth.) S.J.Ali & Robbr. [48] *Knoxia corymbosa* Willd. : *K. sumatrensis* (Retz.) DC. [49] *Octotropis terminalis* C.B.Clarke. : *Prismatomeris tetrandra* subsp. *tetrandra* (Roxb.) K.Schum. [50] *Canthium dicoccum* Merr. : *Psydrax dicoccus* Gaertn. [51] *Vanguaria spinosa* Roxb. : *Meyna spinosa* Roxb. Ex Link [52] *Ixora villosa* Roxb. : *I. balakrishnii* Deb & Rout [53] *Ixora parviflora* Vahl. : *I. pavetta* Andr. [53] *Coffea khasiana* (Korth.) Hook.f. : *Nostolachma khasiana* (Korth.) Deb & Lahiri [54] *Coffea jenkinsii* Hook.f. : *Nostolachma jenkinsii* (Hook.f.) Deb & Lahiri [55] *Coffea bengalensis* Roxb. ex Schult. : *Psilanthus bengalensis* (Roxb. ex Schult.) J.F.Leroy. [56] *Coffea fragrans* Wall. ex Hook.f. : *Psilanthus fragrans* (Wall. ex Hook.f.) J.F. Leroy. [57] *Paederia tomentosa* Bl. : *P. foetida* Linn. [58] *Psychotria fulva* Wall. : *P. silhetensis* subsp. *silhetensis*. Hook.f. [59] *Chassalia ambigua* (Wight & Arn.) Alston : *C. curviflora* var. *ophioxylodes* (Wall.) Deb & B.Krishna [60] *Lasianthus wallichii* Wight. : *L. attenuatus* Jack. [61] *Lasianthus tentaculatus* Hook.f. : *L. rigidus* Miq. [62] *Lasianthus tubiferus* Hook.f. : *L. inodorus* subsp. *inodorus* Blume [63] *Lasianthus inconspicuus* Hook.f. : *L. lucidus* var. *inconspicuus* (Hook.f.) H.Zhu. [64] *Lasianthus longicauda* Hk. f. : *L. japonicus* subsp. *longicaudus* (Hook.f.) C.Y.Wu et H. Zhu [65] *Borreria hispida* K. Schum. : *Spermacoce neohispida* Govaerts [66] *Richardsonia pilosa* H.B. & K. : *Richardia scabra* L.
- Valerianaceae** : [67] *Valeriana wallichii* DC. : *V. jatamansi* Jones Dipsaceae : [68] *Morina betonicoides* Benth. : *Morina nepalensis* var. *nepalensis* D.Don
- Asteraceae** : [69] *Vernonia subsessilis* DC. : *Lessingianthus durus* (Mart. ex DC.) H.Rob. [70] *Vernonia cinerea* (L.) Less. : *Cyanthillium cinereum* (L.) H.Rob. [71] *Vernonia scandens* DC. : *V. vagans* DC. [72] *Vernonia bracteata* Wall. ex Hook.f. : *V. spirei* Gand. [73] *Erigeron asteroides* Roxb. : *E. sublyratus* Roxb. ex DC. [74] *Microglossa volubilis* DC. : *M. pyrifolia* (Lam.) Kuntze. [75] *Blumea myriocephala* DC. : *B. lanceolaria* (Roxb.) Druce. [76] *Anaphalis cinnamomea* (DC.) C.B.Clarke : *A. margaritacea* (L.) Benth. & Hook.f. [77] *Gnaphalium purpureum* L. : *Gamochaeta purpurea* (L.) Cabrera [78] *Eclipta alba* (L.) Hassk. : *E. prostrata* (L.) L. [79] *Spilanthes acmella* (L.) Murray : *Blainvillea acmella* (L.) Philipson [80] *Centipeda orbicularis* Lour. : *C. elatinoides* (Less.) Benth. & Hook.f. ex O.Hoffm. [81] *Artemisia parviflora* Buch.-Ham. ex Roxb. : *A. parviflora* D.Don [82] *Senecio araneosus* DC. : *S. walkeri* Arn. [83] *Senecio lushaiensis* C.E.C.Fisch. : *Synotis lushaensis* (C.E.C.Fisch.) C.Jeffrey & Y.L.Chen [84] *Senecio densiflorus* Wall. ex DC. : *S. cappa* Buch.-Ham. ex D.Don [85] *Senecio simonsii* C.B.Clarke : *Synotis simonsii* (C.B.Clarke) C.Jeffrey & Y.L.Chen [86] *Cirsium lepscyle* Petral : *C. interpositum* Petr. [87] *Cirsium involucreatum* DC. : *C. verutum* (D.Don) Spreng. [88] *Lactuca macrorhiza* (Royle) Hook.f. : *Cephalorrhynchus macrorhizus* (Royle) Tuisl.
- Campanulaceae** : [89] *Codonopsis griffithii* C.B.Clarke : *C. viridis* Wall. [90] *Campanumoea javanica* Blume : *Codonopsis javanica* (Blume) Hook.f. & Thomson. [91] *Campanumoea parviflora* (Wall. ex A.DC.) Benth. : *Cyclocodon parviflorus* (Wall. ex A.DC.) Hook.f. & Thomson
- Vaccineaceae** : [92] *Pentapterygium rugosum* (Hook. & Thomson) Hook. : *Agapetes incurvata* (Griff.) Sleumer [93] *Pentapterygium serpens* (Wight) Klotzsch : *Agapetes serpens* (Wight) Sleumer. [94] *Vaccinium serratum* (G. Don) Wight : *V. vacciniaceum* subsp. *vacciniaceum* (Roxb.) Sleumer [95] *Vaccinium donianum* J. Anthony : *V. duclouxii* (H. Lév.) Hand.-Mazz. [96] *Vaccinium forrestii* Diels : *V. duclouxii* (H. Lév.) Hand.-Mazz. [97] *Corallobotrys acuminata* Hook.f. : *Agapetes acuminata* (Wall.) D.Don ex G.Don.
- Ericaceae** : [98] *Pieris ovalifolia* (Wall.) D. Don : *Lyonia ovalifolia* var. *ovalifolia* (Wall.) Drude [99] *Craibiodendron mannii* W.W.Sm. : *Craibiodendron henryi* W.W.Sm. [100] *Rhododendron bauhiniflorum* G.Watt ex Hutch : *R. triflorum* Hook.f. var. *bauhiniiflorum* (Watt ex Hutch.) Cullen
- Plumbaginaceae** : [101] *Plumbago rosea* L. : *P. indica* L. [102] *Plumbago capensis* Thunb. : *P. auriculata* Lam.
- Primulaceae** : [103] *Lysimachia ramosa* Wall. ex Duby : *L. laxa* Baudo.
- Myrsinaceae** : [104] *Myrsine capitellata* Wall. : *Rapanea capitellata* (Wall.) Mez. [105] *Embelia robusta* Roxb. : *E. tsjeriam-cottam* (Roem. & Schult.) A.DC. [106] *Embelia pulchella* Mez : *E. parviflora* Wall. ex A.DC. [107] *Embelia nagushia* D.Don : *E. vestita* Roxb. [108] *Embelia myrtifolia* Mez : *E. parviflora* Wall. ex A.DC. [109] *Ardisia polycephala* Wight : *A. humilis* Vahl. [110] *Ardisia colorata* Roxb. : *A. sanguinolenta* Blume. [111] *Ardisia virens* Kurz : *A. polysticta* Miq. [112] *Ardisia odontophylla* Lindl. : *A. cymosa* Blume.
- Sapotaceae** : *Sideroxylon hookeri* C.B. Clarke : *Xantolis hookeri*

- (C.B. Clarke) P. Royen [113] *Sideroxylon assamicum* C.B. Clarke : *Xantolis assamica* (C.B. Clarke) P. Royen [114] *Madhuca butyracea* (Roxb.) J.F. Macbr. : *Diploknema butyracea* (Roxb.) H.J. Lam. [115] *Palaquium obovatum* Clarke : *P. obovatum* (Griff.) Engl. [116] *Mimusops elengi* Roxb. : *M. elengi* L. **Ebenaceae** : [117] *Diospyros kaki* L. : *D. kaki* Thunb. [118] *Diospyros embryopteris* Pers. : *D. malabarica* (Desr.) Kostel. [119] *Diospyros toposia* Buch.-Ham. : *D. racemosa* Roxb. [120] *Diospyros pilosula* (A. DC.) Wall. ex Hiern : *D. pilosiuscula* G. Don [121] *Diospyros grata* Wall. ex A. DC. : *D. lanceifolia* Roxb. [122] *Maba cacharensis* Das & P.C. Kanjilal : *Diospyros cacharensis* (Das & P.C. Kanjilal) H.B. Naithani. [123] *Maba nigrescens* Dalzell : *Diospyros vera* (Lour.) A. Chev. **Styracaceae** : [124] *Symplocos caudata* Wall. ex G. Don : *S. sumuntia* Buch.-Ham. ex D. Don [125] *Symplocos crataegoides* Buch.-Ham. ex D. Don : *S. paniculata* Miq. [126] *Symplocos spicata* Roxb. *S. cochinchinensis* var. *laurina* (Retz.) Noot. [127] *Symplocos ferruginea* Roxb. : *S. cochinchinensis* var. *cochinchinensis* (Lour.) S. Moore [128] *Symplocos theifolia* D. Don : *S. lucida* (Thunb.) Siebold & Zucc. [129] *Styrax polyspermus* C.B. Clarke : *Bruinsmia polysperma* (C.B. Clarke) Steenis **Oleaceae** : [130] *Jasminum undulatum* Ker Gawl. : *J. elongatum* (P.J. Bergius) Willd. [131] *Jasminum pubescens* (Retz.) Willd. : *J. multiflorum* (Burm.f.) Andrews. [132] *Jasminum anastomosans* Wall. ex DC. : *J. nervosum* Lour. [133] *Jasminum subtriplinerve* Blume : *J. nervosum* Lour. [134] *Jasminum glandulosum* Wall. & G. Don. : *J. nepalense* Spreng [135] *Jasminum heterophyllum* Roxb. : *J. subhumile* W.W. Sm. [136] *Jasminum dmicola* W.W. Sm. : *J. duclouxii* (H. Lévl.) Rehder [137] *Linociera macrophylla* Wall. & G. Don : *Chionanthus ramiflorus* Roxb. [138] *Linociera terniflora* Wall. & G. Don : *Chionanthus malaelengi* subsp. *terniflorus* (Wall. & G. Don) P.S. Green [139] *Olea dentata* Wall. ex DC. : *O. salicifolia* Wall. ex G. Don. [140] *Ligustrum massalongianum* Vis. : *L. lindleyi* (Wall. ex G. Don) P.S. Green **Apocynaceae** : *Melodinus monogynus* Roxb. : *M. cochinchinensis* (Lour.) Merr. [141] *Melodinus khasianus* Hook.f. : *M. cochinchinensis* (Lour.) Merr. [142] *Rauvolfia densiflora* (Wall.) Benth. ex Hook.f. : *R. verticillata* (Lour.) Baill. [143] *Rauvolfia chinensis* (Hance) Hemsl. : *R. verticillata* (Lour.) Baill. [144] *Vinca rosea* L. : *Catharanthus roseus* (L.) G. Don. [145] *Plumeria acutifolia* Poir. : *P. rubra* L. [146] *Holarrhena antidysenterica* (L.) Wall. : *Wrightia antidysenterica* (L.) R.Br. [147] *Tabernaemontana coronaria* (Jacq.) Willd. : *T. divaricata* (L.) R.Br. ex Roem. & Schult. [148] *Parsonsia spiralis* Wall. ex G. Don : *P. alboflavescens* (Dennst.) Mabb. [149] *Vallaris heynei* Spreng. : *V. solanacea* (Roth) Kuntze [150] *Vallaris assamensis* Griff. : *V. solanacea* (Roth) Kuntze [151] *Pottsia cantonensis* Hook. & Arn. : *P. laxiflora* (Blume) Kuntze [152] *Thevetia nerifolia* Juss. ex Steud. : *Cascabela thevetia* (L.) Lippold [153] *Wrightia tomentosa* Roem. & Schult. : *Wrightia arborea* (Dennst.) Mabb. [154] *Nerium odorum* Sol. : *N. oleander* L. [155] *Parameria pedunculosa* (Miq.) Benth. ex B.D. Jacks. : *Urceola rosea* (Hook. & Arn.) Mabb. [156] *Chonemorpha macrophylla* G. Don : *C. fragrans* (Moon) Alston [157] *Chonemorpha griffithii* Hook.f. : *C. fragrans* (Moon) Alston [158] *Ecdysanthera micrantha* (Wall. ex G. Don) A. DC. : *Urceola micrantha* (Wall. ex G. Don) Mabb. [159] *Aganosma marginata* (Roxb.) G. Don : *Amphineurion marginatum* (Roxb.) D.J. Middleton [160] *Aganosma caryophyllata* G. Don : *A. heynei* (Spreng.) ined. [161] *Rhynchodia wallichii* (Miq.) Hook.f. : *Chonemorpha verrucosa* (Blume) Mabb. [162] *Trachelospermum gracilipes* Hook.f. : *T. asiaticum* (Siebold & Zucc.) Nakai. [163] *Trachelospermum fragrans* (Wall. ex G. Don) Hook.f. : *T. lucidum* (D. Don) K. Schum. [164] *Trachelospermum auritum* C.K. Schneid. : *Epigynum auritum* (C.K. Schneid.) Tsiang & P.T. Li [165] *Micrechites ellipticus* Hook.f. : *M. polyanthus* (Blume) Miq. **Asclepiadaceae** : [166] *Pentanura khasiana* Kurz : *Stelmocrypton khasianum* (Kurz) Baill. [167] *Cryptolepis buchananii* Roem. & Schult. : *C. dubia* (Burm.f.) M.R. Almeida [168] *Cryptolepis elegans* Wall. ex G. Don : *Cryptolepis sinensis* (Lour.) Merr. [169] *Toxocarpus acuminatus* (Wight) Benth. ex Hook. f. : *Goniostemma acuminata* Wight [170] *Calotropis procera* (Aiton) R. Br. : *C. procera* (Aiton) Dryand. [171] *Holostemma annulare* (Roxb.) K. Schum. : *H. ada-kodien* Schult. [172] *Cynanchum deltoideum* Hook.f. : *C. triangulare* Gilbert, Stevens & Li. [173] *Gymnema lactiferum* Br. : *G. lactiferum* (L.) R.Br. ex Schult. [174] *Gymnema tingens* Roxb. ex Spreng. : *G. inodorum* (Lour.) Decne [175] *Marsdenia tenacissima* (Roxb.) Wight & Arn. : *M. tenacissima* (Roxb.) Moon. [176] *Wattakaka volubilis* (L. f.) Stapf : *Dregea volubilis* (L.f.) Benth. ex Hook.f. [177] *Tylophora tenuissima* (Roxb.) Wight & Arn. : *T. flexuosa* R. Br. [178] *Tylophora exilis* Colebr. : *Pergularia exilis* (Colebr.) Spreng. [179] *Tylophora hirsuta* (Wall.) Wight : *T. ovata* (Lindl.) Hook. ex Steud. [180] *Tylophora belostemma* Benth. : *B. hirsutum* Wall. ex Wight. [181] *Cosmostigma racemosum* Wight : *C.*

- cordatum* (Poir.) M.R.Almeida. [182] *Dischidia rafflesiana* Wall. : *D. major* (Vahl) Merr. [183] *Ceropegia angustifolia* Wight : *C. longifolia* Wall.
- Loganiaceae** : [184] *Mitreola oldenlandioides* Wall. ex A. DC. : *M. petiolata* (J.F.Gmel.) Torr. & A.Gray. [185] *Fagraea obovata* Wall. : *F. ceilanica* Thunb. [186] *Fagraea khasiana* Benth. : *F. ceilanica* Thunb.
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- Thymeleaceae** : [386] *Daphne cannabina* Wall. : *D. papyracea* Wall. ex W.W.Sm. & Cave [387] *Daphne shillong* Banerji : *D. sureil* W.W.Sm. & Cave [388] *Daphne involucrata* Wall. : *Eriosolena involucrata* (Wall.) ined. [389] *Aquilaria agallocha* Roxb. : *A. malaccensis* Lam. **Elaeagnaceae** : [390] *Elaeagnus hortensis* M.Bieb. : *E. angustifolia* L. **Loranthaceae** : [391] *Korthalsella opuntia* (Thunb.) Merr. : *K. japonica* (Thunb.) Engl. [392] *Scurulla gracilifolia* (Schultes) Denser : *S. parasitica* var. *graciliflora* (Roxb. ex Schult.) H.S.Kiu [393] *Scurrula umbellifer* (Schult. f.) G. Don. : *Taxillus umbellifer* (Schult. f.) Danser [394] *Macrosolen psilanthus* (Hook.f.) : *Elytranthe psilantha* (Hook.f.) Danser {controversial}
- Santalaceae** : [395] *Henslowia granulata* Hook. f. & Thomson ex A. DC. : *Dendrotrophe granulata* (Hook. f. & Thomson ex A.DC.) A.N.Henry & B.Roy [396] *Henslowia heterantha* (Wall. ex DC.) Hook. f. & Thomson ex A. DC. : *Dendrotrophe platyphylla* (Spreng.) Xia & Gilbert [397] *Osyris arborea* Wall. ex A. DC. : *Osyris lanceolata* Hochst. & Steud.
- Balanophoraceae** : [398] *Balanophora dioica* Unger: *B. japonica* Makino [399] *Euphorbia bojeri* Hook. : *E. milii* var. *milii* Des Maule [400] *Bridelia retusa* (L.) Spreng. : *B. retusa* (L.) A.Juss. [401] *Bridelia pubescens* Kurz : *B. glauca* Blume. [402] *Bridelia cuneata* Gehrm. : *B. sikkimensis* Gehrm. [403] *Cleistanthus chartaceus* Müll.Arg. : *C. oblongifolius* (Roxb.) Müll.Arg. [404] *Andrachne cordifolia* Hemsl. : *Leptopus chinensis* (Bunge) Pojark. [405] *Andrachne emicans* Dunn : *Leptopus emicans* (Dunn) Pojark. [406] *Neopeltandra macropus* (Hook.f.) A.Das : *Meineckia macropus* (Hook.f.) G.L.Webster. [407] *Phyllanthus roeperianus* Wall. ex Müll.Arg. : *P. cochinchinensis* Spreng. [408] *Phyllanthus simplex* Retz. : *Phyllanthus virgatus* var. *virgatus* G.Forst. [409] *Phyllanthus nanus* Hook.f. : *P. amarus* Schumach. & Thonn. [410] *Reidia hamiltoniana* (Müll.Arg.) A.M.Cowan & Cowan : *Phyllanthus sikkimensis* Müll.Arg. [411] *Reidia tetrandra* (Roxb.) V.Naray. : *Phyllanthus tetrandrus* Roxb. [412] *Prosorus indicus* Dalzell. : *Margaritaria indica* (Dalzell) Airy Shaw [413] *Flueggeopsis glauca* (Wall. ex Müll. Arg.) D.Das : *Phyllanthus glaucus* Wall. ex Müll.Arg. [414] *Kirganelia reticulata* (Poir.) Baill. : *Phyllanthus reticulatus* Poir. [415] *Emblica officinalis* Gaertn. : *Phyllanthus emblica* L. [416] *Baccaurea sapida* (Roxb.) Müll.Arg. : *B. ramiflora* Lour. [417] *Aporosa roxburghii* (Wall. ex Lindl.) Baill. : *A. octandra* var. *octandra* (Buch.-Ham. ex D.Don) Vickery [418] *Antidesma roxburghii* Wall. ex Tul. : *A. velutinsum* Blume. [419] *Antidesma diandrum* (Roxb.) Spreng. : *A. acidum* Retz. [420] *Antidesma acuminatum* Wight : *A. montanum* var. *montanum* Blume [421] *Antidesma menasu* (Tul.) Müll.Arg. : *A. montanum* var. *montanum* Blume [422] *Antidesma wattii* Hook.f. : *A. montanum* var. *microphyllum* (Hemsl.) Petra Hoffm. [423] *Daphniphyllum chartaceum* K.Rosenthal : *D. himalayense* subsp. *himalayense* Benth.Müll. Arg. [424] *Sauropus oblongifolius* Hook.f. : *S. androgynus* (L.) Merr. [425] *Sauropus lanceolatus* Hook.f. : *S. androgynus* (L.) Merr. [426] *Sauropus macrophyllus* Hook.f. : *S. macranthus* Hassk.[427] *Phyllanthus trinervius* Wall. : *Sauropus trinervis* Hook.f. & Thomson ex Müll.Arg. [428] *Breynia patens* (Roxb.) Benth. & Hook. f. : *B. retusa* (Dennst.) Alston. [429] *Breynia rhamnoides* (Retz.) Müll.Arg. : *B. vitis-idaea* (Burm.f.) C.E.C.Fisch. [430] *Drypetes griffithii* (Hook.f.) Pax & K.Hoffm. : *D. indica* (Müll.Arg.) Pax & K.Hoffm. [431] *Drypetes lancifolia* (Hook.f.) Pax & K.Hoffm. : *D. indica* (Müll.Arg.) Pax & K.Hoffm. [432] *Glochidion gamblei* Hook.f. : *G. daltonii* (Müll.Arg.) Kurz. [433] *Glochidion hirsutum* (Roxb.) Voigt. : *G. zeylanicum* var. *tomentosum* (Dalzell) Trimen. [434] *Glochidion velutinum* Wight : *G. heyneanum* (Wight & Arn.) Wight [435] *Glochidion assamicum* (Müll.Arg.) Hook.f. : *G. ellipticum* Wight [436] *Glochidion arborescens* Blume : *G. zeylanicum* var. *arborescens* (Blume) Chakrab. & M.Gangop. [437] *Glochidion mishmiense* Hook.f. : *G. zeylanicum* var. *tomentosum* (Dalzell) Trimen. [438] *Aleurites cordata* (Thunb.) R.Br. ex Steud. : *Vernicia cordata* (Thunb.) Airy Shaw [439] *Aleurites fordii* Hemsl.: *Vernicia fordii* (Hemsl.) Airy Shaw [440] *Croton oblongifolius* Roxb. : *C. persimilis* Müll.Arg. [441] *Croton laevifolius* Blume : *C. oblongus* Burm.f. [442] *Croton sparsiflorus* Morong : *C. bonplandianus* Baill. [443] *Ostodes prainii* Gand. : *O. paniculata* var. *paniculata* Blume [444] *Sumbavia macrophylla* Müll.Arg. : *Sumbaviopsis albicans* (Blume) J.J.Sm. [445] *Manihot utilissima* Pohl : *M. esculenta* Crantz [446] *Manihot glaziovii* Müll. Arg. : *M. carthaginensis* subsp. *glaziovii* (Müll.Arg.) Allem. [447] *Gelonium multiflorum* A.Juss. : *Suregada multiflora* (A.Juss.) Baill. [448] *Baliospermum montanum* (Willd.) Müll.Arg. : *B. solanifolium* (Burm.) Suresh. [449] *Baliospermum meeboldii* Pax & K.Hoffm. : *B. calycinum* var. *micranthum* (Müll.Arg.) Chakrab. & N.P.Balakr. [450] *Baliospermum sinuatum* Müll.Arg. : *B. calycinum* var. *sinuatum* (Müll.Arg.) Chakrab. & N.P.Balakr. [451] *Baliospermum micranthum* Müll.Arg. : *B. calycinum* var. *micranthum*



(Müll. Arg.) Chakrab. & N.P.Balakr. [452] *Baliospermum suffruticosum* Pax & K.Hoffm. : *B. calycinum* var. *micranthum* (Müll.Arg.) Chakrab. & N.P.Balakr. [453] *Sapium sebiferum* (L.) Roxb. : *Triadica sebifera* (L.) Small. [454] *Sapium baccatum* Roxb. : *Balakata baccata* (Roxb.) Esser [455] *Sapium insigne* (Royle) Trimen : *Falconeria insignis* Royle. [456] *Claoxylon leucocarpum* Kurz. : *Mallotus leucocarpus* (Kurz) Airy Shaw [457] *Trewia nudiflora* L. : *Mallotus nudiflorus* (L.) Kulju & Welzen [458] *Mallotus albus* (Roxb. ex Jack) Müll.Arg. : *M. paniculatus* var. *paniculatus*. (Lam.) Müll.Arg. [459] *Macaranga pustulata* King ex Hook.f. : *M. denticulata* (Blume) Müll.Arg. [460] *Pterococcus corniculatus* (Sm.) Pax & K.Hoffm. : *Plukenetia corniculata* Sm. **Ulmaceae** : [461] *Celtis cinnamomea* Lindl. ex Planch. : *C. timorensis* Span. [462] *Girroniera reticulata* Thwaites : *Aphananthe cuspidata* (Blume) Planch. [463] *Girroniera thompsonii* King ex A.M.Cowan & Cowan : *Aphananthe cuspidata* (Blume) Planch. [464] *Trema amboinensis* (Willd.) Blume : *T. cannabina* var. *cannabina* Lour. **Moraceae** : [465] *Ficus gibbosa* Blume : *F. tinctoria* subsp. *gibbosa* (Blume) Corner [466] *Ficus urophylla* Wall. ex Miq. : *F. heteropleura* Blume. [467] *Ficus mysorensis* B.Heyne ex Roth : *F. drupacea* Thunb. [468] *Ficus rhododendrifolia* (Miq.) Miq. : *F. maclellandii* King. [469] *Ficus glabella* Blume : *F. virens* Aiton [470] *Ficus infectoria* Roxb. : *F. lacor* Buch.-Ham. [471] *Ficus clavata* Wall. ex Miq. : *F. subincisa* Buch.-Ham. ex Sm. [472] *Ficus sikkimensis* Miq. : *F. subulata* Blume [473] *Ficus bhotanica* King : *F. gasparriniana* var. *laceratifolia* (H.Lév. & Vaniot) Corner [474] *Ficus rostrata* Lam. : *F. sinuata* Thunb. [475] *Ficus saemocarpa* Miq. : *F. squamosa* Roxb. [476] *Ficus cunia* Buch.-Ham. ex Roxb. : *F. semicordata* Buch.-Ham. ex Sm. [477] *Ficus lepidosa* Wall. ex Kurz : *F. lamponga* Miq. [478] *Ficus nemoralis* Wall. ex Miq. : *F. neriifolia* Sm. [479] *Ficus scandens* Roxb. : *F. hederacea* Roxb. [480] *Ficus foveolata* (Wall. ex Miq.) Miq. : *F. sarmentosa* Buch.-Ham. ex Sm. [481] *Ficus ramentacea* Roxb. : *F. sagittata* Vahl. [482] *Ficus crininervia* Miq. : *F. sagittata* Vahl [483] *Ficus roxburghii* Steud. : *F. auriculata* Lour. [484] *Ficus pomifera* Kurz : *F. punctata* Thunb. [485] *Ficus glomerata* Roxb. : *F. racemosa* L. [485] *Ficus lanceolata* Buch.-Ham. ex Roxb. : *F. racemosa* L. [486] *Ficus clarkei* King : *F. tinctoria* subsp. *gibbosa* (Blume) Corner [487] *Ficus wardii* C.E.C.Fisch. : *F. neriifolia* Sm. [488] *Cudrania fruticosa* (Roxb.) Wight ex Kurz : *Maclura cochinchinensis* (Lour.) Corner [489] *Morus acidosa* Griff. : *M. alba* L. [490] *Morus laevigata* Wall.

ex Brandis : *M. macroura* Miq. [491] *Allaeanthus kurzii* Hook.f. : *Broussonetia kurzii* (Hook.f.) Corner [492] *Pseudostreblus indicus* Bureau : *Streblus indicus* (Bureau) Corner [493] *Taxotrophis caudata* Hutch. : *Streblus zeylanicus* (Thwaites) Kurz **Urticaceae** : [494] *Laportea crenulata* Gaudich. : *Dendrocnide sinuata* (Blume) Chew [495] *Laportea pterostigma* Wedd. : *Dendrocnide meyeniana* (Walp.) Chew [496] *Laportea terminalis* Wight : *L. bulbifera* (Siebold & Zucc.) Wedd. [497] *Girardinia heterophylla* (Vahl) Decne. : *G. diversifolia* (Link) Friis [498] *Girardinia zeylanica* Decne. : *G. diversifolia* (Link) Friis [499] *Pilea smilacifolia* Wedd. : *P. glaberrima* (Blume) Blume [500] *Lecanthus wightii* Wedd. : *L. peduncularis* (Wall. ex Royle) Wedd. [501] *Elatostema sesquifolium* (Reinw. ex Blume) Hassk. : *E. integrifolium* (D.Don) Wedd. [502] *Procris wightiana* Wall. ex Wedd. : *P. crenata* C.B. Rob. [503] *Boehmeria malabarica* Wedd. : *B. glomerulifera* Miq. [504] *Boehmeria sidifolia* Wedd. : *B. clidemoides* Miq. [505] *Boehmeria platyphylla* D.Don : *B. macrophylla* Hornem. [506] *Boehmeria macrophylla* D.Don : *B. penduliflora* Wedd. ex D.G.Long [507] *Pouzolzia viminea* (Blume) Wedd. : *P. sanguinea* var. *sanguinea* (Blume) Merr. [508] *Pouzolzia indica* (L.) Gaudich. : *P. zeylanica* var. *zeylanica* (L.) Benn. & R. Br. [509] *Pouzolzia hirta* (Blume) Blume ex Hassk. : *Gonostegia hirta* (Blume ex Hassk.) Miq. [510] *Pouzolzia pentandra* (Roxb.) Benn. : *Gonostegia pentandra* (Roxb.) Miq. [511] *Debregeasia hypoleuca* (Hochst. ex A.Rich.) Wedd. : *D. saeneb* (Forssk.) Hepper & J.R.I.Wood. [512] *Debregeasia dentata* Hook.f. : *D. squamata* f. *etuberculata* Wilmot-Dear **Jaglandaceae** : [513] *Engelhardtia colebrookiana* Lindl. : *E. spicata* var. *integra* (Kurz) Manning ex Steenis. [514] *Engelhardtia aceriflora* (Reinw.) Blume : *E. spicata* Lechen ex Blume [515] *Engelhardtia polystachya* Radlk. : *E. roxburghiana* Lindl. [516] *Engelhardtia wallichiana* Lindl. ex C.DC. : *E. roxburghiana* Lindl. [517] *Myrica sapida* Wall. : *M. esculenta* Buch.-Ham. ex D. Don **Fagaceae** : [518] *Quercus thomsonii* Miq. : *Lithocarpus thomsonii* (Miq.) Rehder [519] *Quercus lanceifolia* Roxb. : *Castanopsis lanceifolia* (Oerst.) Hickel & A.Camus [520] *Quercus olla* Kurz : *Lithocarpus ollus* (Kurz) A.Camus [521] *Pasania spicata* Oerst. : *Lithocarpus elegans* (Blume) Hatus. ex Soepadmo [522] *Pasania polystachya* (Wall. ex A.DC.) Oerst. : *Lithocarpus polystachyus* (Wall. ex A.DC.) Rehder [523] *Pasania lappacea* (Roxb.) Oerst. : *Lithocarpus lappaceus* (Roxb.) Rehder [524] *Pasania pachyphylla* (Kurz) Schottky : *Lithocarpus*

*pachyphyllus* (Kurz) Rehder [525] *Pasania fenestrata* (Roxb.) Oerst. : *Lithocarpus fenestratus* (Roxb.) Rehder [526] *Pasania dealbata* (Hook.f. & Thomson ex Miq.) Oerst. : *Lithocarpus dealbatus* (Hook.f. & Thomson ex Miq.) Rehder [527] *Pasania xylocarpa* (Kurz) Schottky : *Lithocarpus xylocarpus* (Kurz) Markgr. [528] *Pasania milroyi* (Purkayastha) A.Das : *Lithocarpus milroyi* (Purkayastha) Barnett [529] *Pasania truncata* (King ex Hook.f.) Schottky : *Lithocarpus truncatus* (King ex Hook.f.) Rehder. [530] *Pasania listeri* (King ex Hook.f.) Schottky : *Lithocarpus listeri* (King ex Hook.f.) Grierson & D.G.Long [531] *Castanopsis hystrix* Miq. : *C. purpurella* subsp. *purpurella* (Miq.) N.P. Balakr.

In this compilation, updated account of changed names of total 531 species names included in the concerned flora are listed. But, it must be admitted that the name change account presented here is not a conclusive one. Due to more & more modern taxonomic researches, many of the newly accepted names may also change from time to time. Many of the names present in the concerned flora are still remaining unresolved or controversial. Evolutionary relationships amongst plants will continue to be the subject of scrutiny and reinterpretation. These are done only to make nomenclature more manageable for everyone else. As mentioned in the introduction, there are total five volumes of the concerned flora of which the name changes of the species included in the first & second volumes of the flora are earlier published. Here, the third & fourth volumes are touched as a conclusive work on the dicotyledonous species included in the flora. The fifth volume is on the monocots, which includes only the plants under Poaceae, and thus a complete monocot flora including the entire state of Assam or on the states of North East India are yet to be prepared.

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