

A conspectus of the Tanzanian Labiatae

Autor(en): **Gill, Lachhman Singh**

Objektyp: **Article**

Zeitschrift: **Candollea : journal international de botanique systématique = international journal of systematic botany**

Band (Jahr): **36 (1981)**

Heft 2

PDF erstellt am: **03.07.2024**

Persistenter Link: <https://doi.org/10.5169/seals-880077>

Nutzungsbedingungen

Die ETH-Bibliothek ist Anbieterin der digitalisierten Zeitschriften. Sie besitzt keine Urheberrechte an den Inhalten der Zeitschriften. Die Rechte liegen in der Regel bei den Herausgebern.

Die auf der Plattform e-periodica veröffentlichten Dokumente stehen für nicht-kommerzielle Zwecke in Lehre und Forschung sowie für die private Nutzung frei zur Verfügung. Einzelne Dateien oder Ausdrucke aus diesem Angebot können zusammen mit diesen Nutzungsbedingungen und den korrekten Herkunftsbezeichnungen weitergegeben werden.

Das Veröffentlichen von Bildern in Print- und Online-Publikationen ist nur mit vorheriger Genehmigung der Rechteinhaber erlaubt. Die systematische Speicherung von Teilen des elektronischen Angebots auf anderen Servern bedarf ebenfalls des schriftlichen Einverständnisses der Rechteinhaber.

Haftungsausschluss

Alle Angaben erfolgen ohne Gewähr für Vollständigkeit oder Richtigkeit. Es wird keine Haftung übernommen für Schäden durch die Verwendung von Informationen aus diesem Online-Angebot oder durch das Fehlen von Informationen. Dies gilt auch für Inhalte Dritter, die über dieses Angebot zugänglich sind.

A conspectus of the Tanzanian Labiatae

LACHHMAN SINGH GILL

RÉSUMÉ

GILL, L. S. (1981). Aperçu général des Labiées de Tanzanie. *Candollea* 36: 485-504. En anglais, résumé français.

Une liste de 121 espèces de Labiées, appartenant à 32 genres, a été élaborée, résultat d'études dans divers herbiers de Tanzanie. Des synonymes et des précisions écologiques y sont joints.

ABSTRACT

GILL, L. S. (1981). A conspectus of the Tanzanian Labiatae. *Candollea* 36: 485-504. In English, French abstract.

A list of 121 species of Labiatae belonging to 32 genera is provided following studies in various Tanzanian herbaria. Synonyms and ecological indications are added.

Tanzania with an area of 931 082 square kilometer is very rich floristically and the estimated number of vascular plant species is 10 000 (TADROS, 1971). Topographically Tanzania is diverse and the elevation varies from sea level on the coastal region to 5777 m above sea level on the top of the Kilimanjaro mountain. The annual rainfall ranges from 500 mm in Mbulu to 2500 mm in Rungwe. Temperature does not differ significantly except in the mountainous regions. The vegetation ranges from grass savanna (Dodoma) to rain forest in the Kilimanjaro forest zone. In between there is variation ranging from tree savanna (West Kilimanjaro), shrub savanna (Morogoro-Moshi), wood forest (Mbeya-Morogoro). Thus considering the richness of the Tanzanian vegetation, a flora of Tanzania is an urgent and a long felt need by botanists and research workers interested in the exploration of the under-exploited natural resources. Also the rapid developments of secondary and

post secondary education and the agricultural based economy of the country have revealed the need of a national flora. In this direction little work has already been done. TADROS (1971, 1973) has prepared an atlas of the common grasses of Tanzania. BIZOT & POCS (1971) have published the Bryophytes of Tanzania. The present author started the enumeration of the Tanzanian vascular plants and the pteridophytes of Tanzania has already been published (GILL & MWASUMBI, 1976). This is the second paper in this series and the aim is to provide a conspectus of the family Labiatae along with the present nomenclatural status of taxa.

Herbarium material was studied from various herbaria (Table 1). A number of records have been taken from literature sources and in such cases source has been given. Due to the limited space full citation of collections studied under each species has been omitted, and only specimen along with herbarium abbreviation has been given. Only those taxa which are native or have become naturalized have been included and cultivated species have been omitted. The genera and species are arranged alphabetically. The distribution of species within Tanzania is given by number indicating the geographical divisions used in the flora of tropical East Africa (see map).

<i>Name of Institution</i>	<i>Abbreviation</i>
University of Dares Salaam, Dares Salaam	DSM
The Forest Division Lushoto, Tanzania	FDH
Lake Manyara National Park, Tanzania	MAN
Tarangire National Park, Tanzania	TNP
Mbeka College of Forestry and Wild Life, Tanzania	MBK
Makerere University Kampala, Uganda	MHU
University of Zambia, Lusaka, Zambia	LUK

Table 1 – Herbaria consulted

Enumeration of species

Achyropermum Blume

A. cryptanthum Baker

Shrub about 2 m tall with axillary clusters of blue flowers. *Mgoza* 472 (FDH), Kiwira Forest reserve — T6, T7.

A. radicans Gürke

Tall straggling shrub of swampy riversides with sessile clusters of red flowers. *Harris* 1037 (DSM), Amani Research station — T3, T6, T8, T9.

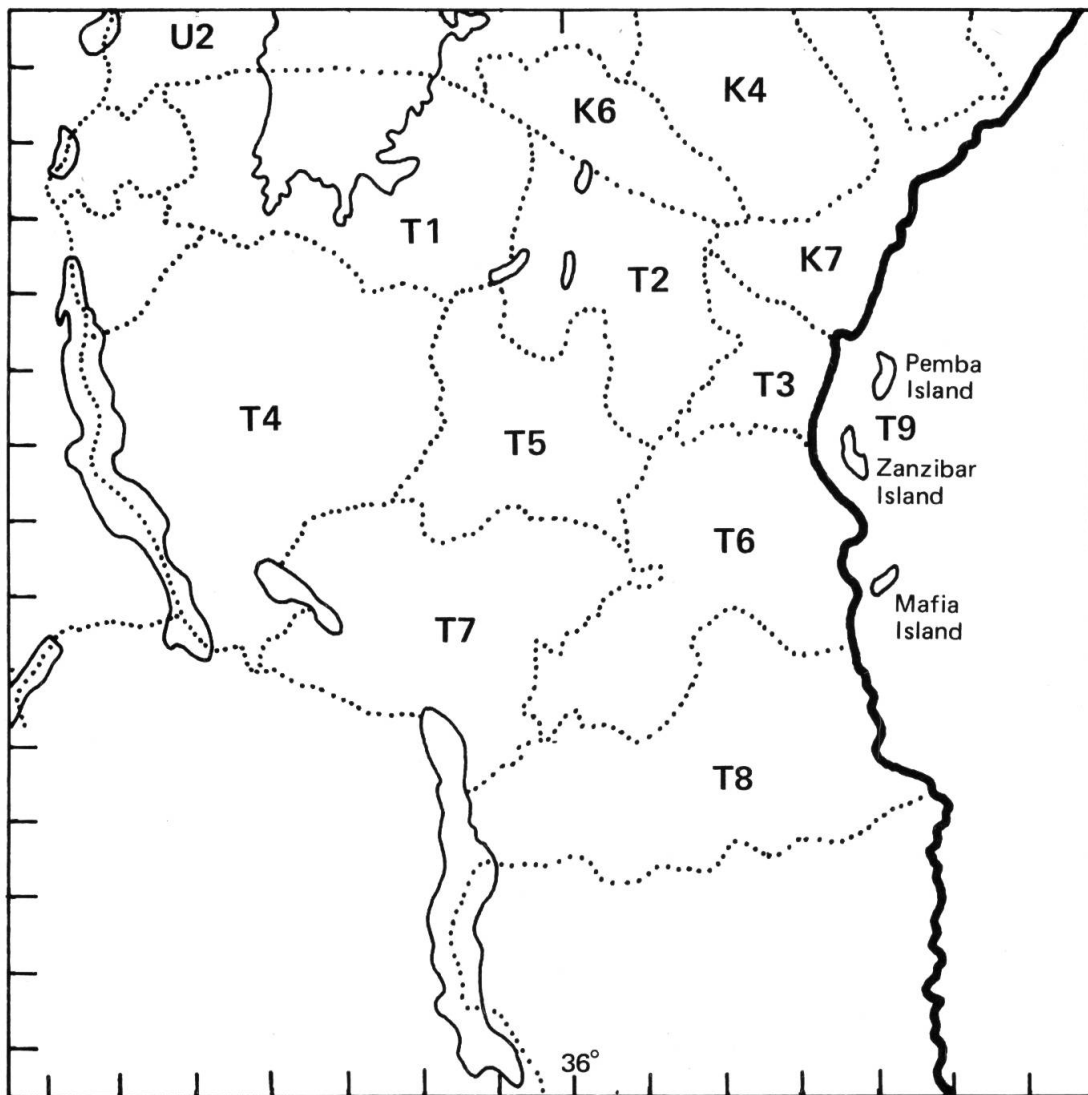


Fig. 1. — Geographical division of the flora of Tanzania.

Aeolanthus Mart.

A. heliotropioides Oliv.

Much branched annual with small violet flowers in panicles. *Björnstad 1765* (DSM), Ruaha National Park — T7.

A. myrianthus Baker

Shrub about 1 m tall with mauve colored flowers. *Pendersen 815* (DSM), Iringer — T7.

Aeolanthus repens Oliv.

Small perennial herb with purple stem and lavender colored flowers in dense branched panicle. *Björnstad 1897* (DSM), Nguru Ya Ndge — T1, T2, T4, T6.

A. stuhlmanii Gürke

Herb with reddish stem and white flowers. *Carmichael 465* (FDH), Kibandala on the shore of Lubondo Island, Geita District — T1, T4.

A. zanzibaricus S. Moore

Björnstad 1580 (DSM), Ruaha National Park — T4, T7, T8, T9.

Ajuga L.**A. alba** (Gürke) Robyns

Syn.: *Ajuga bracteosa* Benth.

Ajuga bracteosa var. *alba* (Gürke) Engler

CUFODONTIS (1962) records it for Tanzania.

A. integrifolia Ham.-Buch.

Syn.: *Ajuga bracteosa* Benth.

Ajuga bracteosa var. *canescens* (Benth.) Cufodontis

Ajuga remota var. *canescens* Benth.

Ajuga remota var. *crenata* Hochst. ex Vatke

Ajuga bracteosa var. *canescens* (Benth.) Engler

Ajuga bracteosa var. *crenata* (Hochst. ex Vatke) Baker

A. crenata (Hochst. ex Vatke) Chiov.

A herb of dry grassland and roadsides. *Paulo 266* (FDH), Ipienda, Njombe — T2, T6, T7.

Becium Lindl.**B. allostellatum** Verdc.

Tall pubescent herb with white flowers in terminal spike. *Carmichael 939* (FDH), Simbo Forest reserve — T4, T7.

B. angustifolium N. E. Br. in Dyer

Perennial herb of granite outcrop with pale yellow flowers. *Harris 1920* (DSM), Karatu-Mbulu — T1, T6.

Becium obovatum (E. Mey.) N. E. Br.Syn.: *Ocimum obovatum* E. Mey.*Ocimum knyanum* var. *astephanum* Baker*Ocimum adontopetalum* C. H. Wright.*Ocimum affine* Chev.*Becium knyanum* (Vatke) G. Taylor

Small shrub about 0.5 m tall with white flowers. *Archbold 888* (DSM), Handeni — T3, T6, T7.

Basilicum Moench.**B. polystachyon** (L.) MoenchSyn.: *Ocimum polystachyon* L.*Moschosma polystachyon* (L.) Benth.

Branched shrub of damp places. *Archbold 1554* (DSM), Korogwe — T1, T3, T6, T7, T8.

Capitania Schweinf. ex Gürke**C. otostegioides** Schweinf.*Mwasumbi 1074* (DSM), Tanga & Moshi road near Mkumbara — T3.**Coleus** Loureiro**C. spicatus** Benth.*Cox 202* (MAN), Lake Manyara National Park — T2, T3.**Endostemon** N. E. Br.**E. camporum** (Gürke) Ashby

BIGGER (1968) records it from Kilimanjaro — T2.

E. gracilis (Benth.) AshbySyn.: *Ocimum gracilis* Benth.

Herb of sandy moist soil with white flowers. *Macaulay 571* (DSM), Dares Salaam — T6.

Endostemon tereticaulis (Poir.) AshbySyn.: *Ocimum tetricaule* Poir.*Ocimum thonningii* Schumach.*Harris 1092* (DSM), Dares Salaam — T6.**E. wakefieldii** (Baker) AshbyA common weed of grassland. *Tanantire 443* (MHU), Morogoro — T6.**Englerastrum** Briq.**E. gracillimum** T. C. E. FriesSyn.: *Englerastrum diffusus* Alston*Plectranthus tenuis* Hutch. & Dandy*Plectranthus ramosissimus* Chev.*Coleus ramosissimus* Hook. fil.Fleshy stemmed annual of disturbed places. *Björnstad 1683* (DSM), Ruaha National Park — T7.**E. scandens** (Gürke) AlstonA semi-erect herb with pale blue flowers. *Carmichael 649* (FDH), Duluti, Arusha District — T2, T3.**E. schweinfurthii** Briq.Syn.: *Englerastrum djalonense* A. Chev.*Englerastrum hutchinsonianum* AlstonCreeping herb of marshy places. *Rodgers 1043* (DSM), Selous Game Reserve — T8.**E. tetragonum** T. C. E. Fries*Björnstad 1003* (DSM), Ruaha National Park — T7.**Fuerstia** T. C. E. Fries.**F. africana** T. C. E. Fries*Pendersen 152* (DSM), Marangu, Kilimanjaro — T1, T2.

Geniosporum Wall.**G. rotundifolium** Briq.

Syn.: *Geniosporum poludosium* Baker
Ocimum konianense A. Chev.
Ocimum paludorum (Baker) Roberty

A robust herb of upland regions. *Pendersen 788* (DSM), Mufindi — T4, T7.

Haumaniastrum Duvign. & Plancke**H. caeruleum** (Oliv.) J. K. Morton

Syn.: *Acrocephalus caeruleus* Oliv.
Acrocephalus heudelotii Briq.
Acrocephalus lagoensis Baker

Annual herb with dense minute pubescent. *Björnstad 1636* (DSM), Ruaha National Park — T7.

H. callianthum (Briq.) Gilli

Syn.: *Acrocephalus callianthus* Briq.

Annual herb of open grasslands with blue flowers. *Harris 3289* (DSM), Bondwa — T4, T6.

H. cylindraceum (Oliv.) Cufodontis

Pendersen 1016 (DSM), Iringa — T6, T7.

H. galeopsifolium (Baker) Duvign. & Plancke

Syn.: *Acrocephalus galeopsifolius* Baker

A shrub of waste lands, stem with spiny pubescent. *Nwasumbi 11 050* (DSM), Mbeya — T4, T7.

H. lilacinum (Oliv.) J. K. Morton

Syn.: *Acrocephalus lilacinus* Oliv.
Acrocephalus polytrichus Baker
Acrocephalus centrantheroides Baker
Acrocephalus crinatus Briq.
Acrocephalus sordidus Briq.

Ludanga 1464 (DSM), Katabi Game Reserve — T4.

H. venosus (Baker) Agnew

Syn.: *Acrocephalum venosus* Baker

Tall herb with blue flower. *Lind. 2372* (MHU), Bukaba — T1, T6.

Hemizygia (Benth.) Briq.**H. bracteosa** (Benth.) Briq.

Syn.: *Bouetia ocymoides* A. Chev.

Hemizygia nigritiana S. Moore

Ocimum bracteosum Benth.

Orthosiphon bracteosus Benth.

An erect herb with linear opposite leaves and pink flowers. *Björnstad 2102* (DSM), Ruaha National Park — (2, T7).

Holostylon Robyns & Lebrun**H. katangense** Robyns & Lebrun

Harris 2236 (DSM), West of Iringa — T7, T9.

Hoslundia Vahl**H. opposita** Vahl

Syn.: *Hoslundia oppositifolia* P. Beauv.

Hoslundia verticillata Vahl

Common woody shrub of thickets, *Wingfield 1973* (DSM), top of Koko hills — T1, T2, T3, T6, T7.

Hyptis Jacq.**H. lanceolata** Poir.

Syn.: *Hyptis brevipes* A. Chev.

Hyptis lancifolia Thonn.

Much branched herb of moist places with axillary inconspicuous flowers. *Elinwa s.n.* (MUH), Moshi — T2.

H. pectinata (L.) Poir.

Syn.: *Bystropogon coarctatus* Schum. & Thonn.

Nepeta pectinata L.

Much branched woody herb with small pale yellow flowers. *Ding 225* (DSM), Lake Manyara National Park — T1, T2, T3, T6.

H. spicigera Lam.

A scabrid herb about 1 m tall with white flowers. *Mgaza. 506* (FDH), Chimala, Mbeya District — T7.

Hyptis suaveolens Poir.

Common weed of open dry places with bluish flowers. *Harris* (DSM), Dares Salaam — T2, T3, T6.

Iboza N. E. Br.**I. multiflora** E. A. Bruce

Syn.: *Iboza riparia* (Hochst.) N. E. Br.

Tall shrub with small white flowers in terminal racemes. *Dingle 304* (MAN), lake Manyara National Park — T2, T3, T6, T7.

Icomum Hua**I. subacaule** (Baker) Burt.

Syn.: *Icomum lineare* Burkill

Perennial bulbous herb of seasonally damp grounds. *Pendersen 750* (DSM), Iringa — T7.

Leonotis (Pers.) R. Br.**L. mollissima** Gürke

Tall woody shrub of dry stony places and of the forest edges. *Harris 1914* (DSM), Karatu-Mbulu — T2, T3, T4, T6, T7.

L. nepetifolia (L.) Aiton fil.

Syn.: *Leonotis africana* (P. Beauv.) Briq.

Leonotis pallida (Schum. & Thonn.) Benth.

Phlomis africana P. Beauv.

Phlomis nepetaefolia L.

Phlomis pallida Schum. & Thonn.

Shrub about 2 m tall with bright red flowers in axillary whorls and spiny calyx teeth and bracts. *Harris* (DSM), Ubungo, Dares Salaam — T2, T3, T4, T5, T6, T7, T8.

L. raineriana De Visiani

Syn.: *Leonotis velutina* Fenzl

Leonotis velutina var. *raineriana* (Vis.) Benth.

Leonotis velutina forma *carnea* & *fulva* Gürke

Leonotis velutina var. *angustifolia* Chiov. ex Senni.

CUFODONTIS (1962) mentioned it for Tanzania.

Leucas R. Br.**L. bracteosa** Gürke

Archbold 710 (DSM), Kwa, East of Handeni — T2, T3.

L. calostachys Oliv.

CUFODONTIS (1962) mentioned this species to occur in Zanzania.

L. coccinna Baker

Harris 3438 (DSM), Pangani — T3.

L. deflexa Hook. fil.

Straggling woody herb with white flowers in axillary whorls. *Malima 88* (DSM), Lushoto — T3, T6.

L. densiflora Vatke

Thulin & Mohoro 944 (DSM), Iringa — T6, T7, T9.

L. glabrata (Vahl) R. Br.

Syn.: *Phlomis glabrata* Vahl

Perennial woody herb of open lands. *Dingle 192* (DSM), Lake Manyara National Park — T1, T2, T3, T6, T7.

L. grandis Vatke

Shrub of disturbed places. *Kiwese 3* (FDH), Olmotonyi — T2.

L. holstii Gürke

Harris 961 (DSM), Monga, Usambara Mounts — T6.

L. martinicensis (Jacq.) R. Br.

Syn.: *Clinopodium martinicense* Jacq.

Leucas martinicensis var. *schimperii* (Hochst. ex A. Br.) Fiori

Leucas schimperii Hochst. ex A. Br.

Phlomis martinicense (Jacq.) Swartz

Phlomis mollis Schum.

Weed of dry open places. *Archbold 52* (DSM), Korogwa — T1, T2, T3, T4, T5, T6, T8.

L. microphylla Vatke

Short lived perennial of stony grounds. *Greenway* (MBK), Banagi, Musoma District — T1.

Leucas mollis Baker

Weed of cultivated lands in the upland areas. *Magogo 205* (FDH), Lushoto District — T2, T3.

L. neuflyana Courbon

Syn.: *Leucas pancicrenata* Vatke

Archbold 1189 (DSM), Lushoto — T3.

L. oligocephala Hook. fil.

Archbold 1189 (DSM), Lushoto — T3.

L. pratensis Vatke

Bigger 1371 (MBK), Kilimanjaro Kimanga Hills — T2.

L. stenophylla Gürke

Roggers 1017 (DSM), Selous Game Reserve — T8.

L. stricta Baker

Common weed of grasslands and cultivation. *Carmichael 777* (FDH), Rumamagaze Forest Reserve, Geita District — T1, T4, T5, T6, T7.

L. volkensii Gürke

Carmichael 721 (FDH), Meru Mountains, Arusha — T2.

Nepeta L.**N. azurea** R. Br. ex Benth.

Woody perennial of open places in upland regions. *Carmichael 542* (FDH), Rangoi, Moshi District — T2, T3.

Ocimum L.**O. basilicum** L.

Syn.: *Ocimum americanum* L.

Ocimum dichotomum Hochst. ex Benth.

Ocimum lanceolatum Schum. & Thonn.

Ocimum menthaefolium A. Chev.

Much branched bushy aromatic annual herb. *Jassund 2104* (DSM), Dares Salaam — T1, T2, T3, T4, T5, T6, T7.

Ocimum gratissimum L.

Syn.: *Ocimum guineense* Schum. & Thonn.

Perennial shrub, common around farmlands, and habitats. *Björnstad 1090* (DSM), Ruaha National Park — T6, T7.

O. kilimandscharicum Gürke

Richards 28 193 (DSM), Arusha National Park — T2, T3, T5, T7.

O. sauve Willd.

Tall perennial shrub of upland regions. *Harris 2009* (DSM), Kogogo — T2, T3, T6.

Orthosiphon Benth.**O. longipes** Baker

Harris 1314 (DSM), Morogoro — T3, T6.

O. malosanus Baker

Stefanescu 354 (DSM), Mbeya — T7.

O. parviflorus Vatke

Woody herb in the grasslands of upland areas. *Procter 3612* (FDH), Mikumi National Park — T2, T6.

O. rubicundus (D. Don) Benth.

Syn.: *Ocimum affine* Hochst. ex Benth. in DC. var. *bafingensis* A. Chev.

Orthosiphon coloratus Vatke

Orthosiphon salagensis Baker

Orthosiphon xylorrhizus Briq.

Plectranthus rubicundus D. Don.

Harris 523 (DSM), Morogoro — T2, T6.

O. schimperi Benth.

Penderson 496 (DSM), Iringa — T7.

O. suffrutescens (Thonn.) J. K. Morton

Syn.: *Ocimum suffrutescens* Thonn.

Ocimum thoningii Schum. & Thonn.

Orthosiphon australis Vatke

Orthosiphon rabaiensis S. Moore var. *parvifolia* S. Moore.

Mgaza 446 (FDH), Soni Valley, Lushoto District — T1, T2, T3, T6.

Platostoma P. Beauv.**P. africanum** P. Beauv.Syn.: *Ocimum sylvaticum* Thonn.*Platostoma djalonense* A. Chev.Slender herb of damp places with small white flowers. *Mwasumbi & al.* 1201 (DSM), Monga near Amani — T2, T3, T4.**Plectranthus** L'Hérit.**P. alboviolaceus** Gürke*Thulin & Mohoro 1038* (DSM), Uluguru Mounts, Morogoro District — T6.**P. albus** Gürke*Jones 17* (FDH), Kamanga, Moshi District — T2.**P. barbatus** AndrewsSyn.: *Coleus barbatus* Benth.*Archbold 323* (DSM), Marangu, Kilimanjaro — T2.**P. biflorus** Baker*Carmichael 1071* (FDH), Kilimatinde, Manyoni District — T5.**P. caninus** (Roth.) Vatke*Nwasumbi 2662* (DSM), Lower slopes of Mindu Mounts — T2, T6.**P. chiradzulensis** Baker*Elliot 52* (MBK), Kibo slopes, Kilimanjaro Mounts — T2, T6.**P. cylindraceus** Benth.*Bigger 336* (MBK), Moshi-Arusha Road — T2.**P. densus** R. Br.*Thulin & Mhoro 1157* (DSM), Njombe — T7.**P. edulis** Vatke*Carmichael 1692* (FDH), Mbulu District — T2.

Plectranthus esculentus N. E. Br.

Syn.: *Coleus esculentus* (N. E. Br.) G. Taylor
Coleus langouassiensis A. Chev.

Perennial with tuberous roots. *Thulin & Mhoro 1181* (DSM), Njombe — T2, T7.

P. flaccidus (Vatke) Gürke

An annual succulent herb with mauve colored flowers in terminal axillary spikes. *Greenway & al. 11 330* (MAN), Lake Manyara National Park — (2, T4, T6, T7).

P. kapatensis R. E. Br.

Harris 655 (DSM), Bunduki — T6.

P. lactiflorus Vatke

Shrub of open waste places with terminal inflorescence. *Bigger 2225* (MBK), Meshi — T2.

P. lasianthes Gürke

Syn.: *Coleus lasianthus* Gürke

Creeping fleshy herb growing in the crevices of rocks. *Bigger 1988* (MBK), Lake Chala — T2.

P. laxiflorus Benth.

Mshana 66 (FDH), Lushoto — T2, T3.

P. luteus Gürke

Syn.: *Coleus entebbensis* S. Moore
Coleus luteus (Gürke) Stanner

Harris 5138 (DSM), Nwera valley, Uluguru Mounts — T6.

P. marrubioides Hochst.

Carmichael 1227 (FDH), Longido Forest Reserve — T2.

P. parvus Oliv.

Harris 1902 (DSM), Nweka, near Moshi — T2, T3, T6, T7.

P. prostratus Gürke

Harris 6193 (DSM), Kunduchi — T1, T3, T6.

Plectranthus schizophyllus Baker

Paulo 282 (FDH), Lumalakaya Forest Reserve, Njombe — T7.

P. sylvestris Gürke

Harris 820 (DSM), Kilimanjaro above Mandara Hut — T2, T6.

Pycnostachys Hook.**P. dewildemanniana** Gürke

Pendersen 882 (DSM), Iringa — T7.

P. linifolia Gürke

Carmichael 394 (FDH), Vikana, Iringa District — T7.

P. meyeri Gürke

Syn.: *Coleus urticaefolius* (Hook. f.) Roberty

Pycnostachys bowalensis A. Chev.

Pycnostachys volkensii Gürke

Perennial woody shrub of upland areas. *Harris 511* (DSM), Marangu to Mandara Hut, Kilimanjaro — T2, T6, T7.

P. orthodonta Gürke

Harris 1972 (DSM), Ilonga Research Station, Kilosa District — T4, T5, T6, T7.

P. schweinfurthii Briq.

Syn.: *Pycnostachys togoensis* Perkins

Carmichael 206 (FDH), Iringa District — T7.

P. speciosa Briq.

Harris 1931 (DSM), Dodoma District — T4, T5, T7.

P. umbrosa Briq.

Harris & Mwasumbi 1050 (DSM), Usambara Mounts — T3, T7.

P. verticillata Briq.

Fochtman 21 (DSM), Kaengesa Seminary — T4.

Salvia L.**S. coccinea L.**

A garden escape and established in many places. *Archbold 631* (DSM), Lushoto — T3, T5.

S. leucantha Cav.

Mwasumbi & al. 10 767 (DSM), Moshi — T2, T3.

S. nilotica Juss. ex Jacq.

Syn.: *Horminium nilotica* Moench

Salvia abyssinica L.

Salvia hochstetteri Baker

Salvia nilotica Moench var. *scabra* Vatke

Salvia scabra auct.

Satureja L.**S. abyssinica (Rich.) Briq.**

Syn.: *Calamintha abyssinica* Rich.

Archbold 966 (DSM), Marangu, Kilimanjaro — T2.

S. biflora (Buch.-Ham. ex D. Don) Briq.

Harris 539 (DSM), Kilimanjaro, above Mandara Hut — T2.

S. pseudosimensis Brenan

Syn.: *Calamintha simensis* Benth. forma *flaccida* Vatke

Harris 597 (DSM), Kilimanjaro above Mandara Hut — T2, T6, T7.

S. punctata (Benth.) Briq.

Syn.: *Micromeria biflora* Benth.

Micromeria punctata Benth.

Micromeria purtschelleri Gürke

Harris 2252 (DSM), Mbeya — T2, T3, T6, T7.

S. simerensis (Benth.) Briq.

Thulin & Mhoro 1053 (DSM), Lukwangulu Plateau, Morogoro District — T6.

S. uhligii Gürke

Gilbert 4262 (MBK), Arusha — T2.

Scutellaria L.**S. paucifolia Baker**

Syn.: *Scutellaria briquetii* A. Chev.

Common weed of the open bush and fallow lands. *Mgaza 523* (FDH), Mbeya Peak Forest Reserve — T5, T7.

S. violescens Gürke

Myembe 126 (FDH), Mbeya Peak Forest Reserve — T7.

Stachys L.**S. aculeota Hook. f.**

Syn.: *Stachys aberdarica* Th. Fr. Jr.

Stachys aculeota Hook. fil. var. *afromontana* Th. Fr. Jr.

Stachys aculeota Hook. fil. var. *cameruensis* Th. Fr. Jr.

Stachys alpigena Th. Fr. Jr.

Stachys aspericaulis Pax

Stachys bambuseti Th. Fr. Jr.

Stachys lindblomiana Th. Fr. Jr.

Stachys sidamoensis Gürke forma *neumannii* Th. Fr. Jr.

Stachys subrenifolia Th. Fr. Jr.

Harris & al. 1162 (DSM), Uluguru Mounts — T2, T4, T6, T7, T8.

S. hildebrandtii Vatke

Pendersen 754 (DSM), Iringa — T2, T7.

Solenostemon Schum.**S. latifolius (Hochst. ex Benth.) Morton**

Syn.: *Coleus copiosiflorus* Briq.

Coleus djalonensis A. Chev.

Coleus latifolius Hochst. ex Benth.

Coleus phymatodes Briq.

Coleus peulhorum A. Chev. var. *violacea* A. Chev.

Coleus splendidus A. Chev.

Plectranthus bongensis Baker

Harris 1058 (DSM), Bomole, Amani — T1, T3, T6.

Tinnea Kotschy & Peyr.**T. aethiopica** Kotschy ex Hook. fil.

Syn.: *Tinnea aethiopica* Kotschy ex Hook. fil. var. *dentata* Hook. fil.

Tinnea fischeri Gürke

Tinnea sacleuxii De Wild.

Tinnea stolzii Robyns & Lebrun

Tinnea zambesiaca Baker

Tinnea somalensis Gürke ex Chiov.

Tinnea gracilipedicellata Robyns & Lebrun

Harris 1653 (DSM), Wazo Hills — T2, T3, T6. VOLLESEN (1975) describes the following three subspecies to occur in Tanzania.

Tinnea aethiopica subsp. *aethiopica*

Tinnea aethiopica subsp. *litoralis* Vollesen

Tinnea aethiopica subsp. *stolzii* (Robyns & Lebrun) Vollesen.

T. apiculata (Robyns & Lebrun) Vollesen

Syn.: *Tinnea caudata* G. Taylor

Tinnea antiscorbutica auct. non Welw.

VOLLESEN (1975) records it to occur in Tanzania.

T. gracilis Gürke

Syn.: *Tinnea filipes* Baker

Björnstead 1387 (DSM), Iringa — T4, T7.

T. mirabilis (Bullock) Vollesen

Syn.: *Renschia mirabilis* Bullock

VOLLESEN (1975) records it for Tanzania — T5.

T. physalis E. A. Br.

VOLLESEN (1975) records this species to occur only in Northern Tanzania — T1.

T. vesiculosa Gürke

Syn.: *Tinnea physaloides* Baker

Carmichael 625 (FDH), Shume, Lushoto District — T3, T6.

The present statistics of the composition of the Tanzanian *Labiatae* flora is given in the Table 2. However, this statistics is not final and is subject to change with the revisions of some genera also with the discovery of new

species, and the introduction of additional species from other countries. Many of these introduced species do not survive for long, but some become established and form a part of the Tanzanian flora.

<i>Genera</i>	<i>No. of species</i>	<i>Genera</i>	<i>No. of species</i>
<i>Ajuga</i> L.	2	<i>Iboza</i> N. E. Br.	1
<i>Aoelanthus</i> Mart.	5	<i>Icomun</i> Hua	1
<i>Achrospermum</i> Blume	2	<i>Leonotis</i> (Pers.) R. Br.	3
<i>Becium</i> Lindl.	3	<i>Leucas</i> R. Br.	17
<i>Basilicum</i> Moench.	1	<i>Nepeta</i> L.	1
<i>Capitanya</i> Schweinf.	1	<i>Ocimum</i> L.	4
<i>Coleus</i> Loureiro	1	<i>Orthosiphon</i> Benth.	6
<i>Endostemon</i> N. E. Br.	4	<i>Platostoma</i> P. Beauv.	1
<i>Englerastrum</i> Briq.	4	<i>Plectranthus</i> L'Hérit.	21
<i>Fuerstia</i> T. C. E. Fries	1	<i>Pycnostachys</i> Hook.	8
<i>Geniosporum</i> Wall.	1	<i>Salvia</i> L.	3
<i>Haumaniastrum</i> Duvign. & Plancke	6	<i>Satureja</i> L.	6
<i>Hemizygia</i> (Benth.) Briq.	1	<i>Scutellaria</i> L.	2
<i>Holostylon</i> Robyns. & Lebrun	1	<i>Stachys</i> L.	2
<i>Hoslundia</i> Vahl.	1	<i>Solenostemon</i> Schum.	1
<i>Hyptis</i> Jacq.	4	<i>Tinnea</i> Kotschy & Peyr.	6

Table 2 — Total of genera: 32; total of species 121

ACKNOWLEDGEMENTS

The author is grateful for the cooperation of the curators of all these herbaria listed in Table 1, who very generously loaned me their valuable specimens. I am also indebted to the University of Dares Salaam for providing the necessary facilities.

REFERENCES

- BIGGER, M. (1968). *A checklist of the flora of Kilimanjaro*. Mimeographed, 54 pp.
- BIZOT, M. & T. PÓCS (1974). East African Bryophytes I. *Egri Tanárképző Főisk. Tud. Közlem* n.s. 12, 636: 383-449.
- CUFODONTIS, G. (1962). Enumeration plantarum Ethiopiae spermatophyta, Labiatae. *Bull. Jard. Bot. Etat*, Suppl. 32: 773-827.
- GILL, L. S. & L. B. MWASUMBI (1976). An annotated checklist of the Pteridophytes of Tanzania. *Nova Hedwigia* 27(3+4): 932-952.
- TADROS, T. M. (1971). *Atlas of the common grasses of Tanzania. Part 1*. Publ. Depart. Herbarium, Bot. Dept. Univ. Dares Sallam, 64 pp.

- TADROS, T. M. (1973). *Atlas of the common grasses of Tanzania. Part 2.* Publ. Depart. Herbarium, Bot. Dept. Univ. Dares Salaam, 54 pp.
- VOLLESEN, K. (1975). A taxonomic revision of the genera *Tinnea* & *Renschia* (Lamiaceae, Ajugoideae). *Bot. Tids.* 70: 1-63.