

PGR NOTE

Our Trees, Our Heritage: Perennial Plant Species at the ICAR-National Bureau of Plant Genetic Resources, New Delhi

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The trees and other perennial plant species in the campus of the ICAR-National Bureau of Plant Genetic Resources, New Delhi were documented in the form of a check-list. A total of 107 species (trees/shrubs and others) representing 85 genera and 46 families are listed here with information on botanical name, family, common name/local name, distribution, uses and planting location in the ICAR-NBPGR Campus.

Introduction

The trees provide environmental investment in an area additional to adding beauty, and reduce pollution and temperatures under abrupt weather conditions and thereby helping it to keep the area/locality green and cool. The activities of planting the trees provide multiple benefits including multi-disciplinary learning by involving the students, researchers, administrators, and others.

In various fora on the biodiversity conservation, it was felt that the thrust on planting trees would be laid through developing interest of masses towards our green heritage in the form of plants around us. Preliminary efforts were made to identify plants in both, the new and old campus of ICAR-National Bureau of Plant Genetic Resources (ICAR-NBPGR), New Delhi and to document the plant wealth in the institute surroundings. It was decided to prepare a ready reckoner with plant name, family, common/local name and use and source if known on the one hand and to create awareness and fascination towards or green wealth among the new generation on the other hand. The record of the diversity of perennials in the ICAR-NBPGR campus would facilitate the inventory of plants in the form of check-list with the botanical name and detailed notes, besides sensitizing staff, students and visitors.

The area of the ICAR-NBPGR campus (old and new) was surveyed and presence of the perennials/trees was recorded as botanical name/common name and family name. Identity was revalidated using the appropriate identification aids. The check-list was prepared as per the data available on nativity, distribution and economic value, and present location in ICAR-NBPGR. This was

mainly based on data drawn from various information sources.

To facilitate placement of the species, some landmarks have been provided. Some of the common ornamentals have been excluded from the list. Herbarium specimens of each plant /perennial have been added in the National Herbarium of Cultivated Plants (NHCP). Some of the significant photographs are also provided (Fig. 1, 2).

In botanical gardens of many institutions, the well labelled species are available for public use. The survey and physical verification of trees and perennial species in the both the campuses of the ICAR-NBPGR during 2019-2020 resulted in recording of the botanical and other data.

The ICAR-NBPGR has a plant biodiversity garden founded by Dr RS Paroda, the then Secretary DARE and DG, ICAR, on August 7, 2000. Since its foundation, a large number species have been added, or replaced by new ones due to changes in the layout, establishment, shifting, etc. The area was further expanded and the plant wealth is maintained from the time being. In the present holdings of tree/perennial species, some significant gymnosperms as *Pinus roxburghi*, *Cycas revoluta* and *Thuja occidentalis* have been included. *Musa* garden, plant nursery, net-houses having many species of experimental value have not been added as a part of this document many common ornamentals are also excluded.

During survey on trees in the ICAR-NBPGR, over more than a dozen of trees that were unique having

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species brought from far distances and planted during earlier time were noted in the old campus. The details of the present holdings of the perennial species (check-list, and Table 1) are given below:

Table 1. Details of the perennial species

S. No.	Item	Details
1.	Life form	Trees (73), shrubs (26), perennial herbs (8)
2.	Botanical description	Species (107), Genera (85), Family (46)
3.	Location	Old campus (17), New campus (52), both campuses (38)

Check-list of Species

Acacia nilotica (L.) Delile (= *Vachellia nilotica* (L.) PJH Hurter & Mabb. subsp. *nilotica*): (Mimosaceae) Gum Arabic tree, babul. Native-Africa, Asia-Temperate, Asia-Tropical. Use: source of gum arabic, medicinal. **Loc.** Biodiversity garden, New Campus.

Achras sapota L. (= *Manilkara zapota* (L.) P. Royen): (Sapotaceae) Sapota, chikku. Native-Northern America, Southern America. Use: Fruits edible. **Loc.** Biodiversity garden, new campus.

Aegle marmelos (L.) Correa (Rutaceae) Bengal quince, bael. Native - Asia-Tropical. India, Nepal. Use: Fruits edible, medicinal. **Loc.** Old and New Campus.

Ailanthus excelsa Roxb.: (Simaroubaceae) Tree of Heaven, mahanimb, urlu. Native - Asia-Tropical India, Andaman and Nicobar Islands, Sri Lanka, Indo-china. Use: Avenue tree, medicinal. **Loc.** old campus.

Aloe vera (L.) Burm.f.: (Liliaceae) Aloe, ghrita-kumari. Native - Africa, widely cultivated. Use: medicinal. **Loc.** old and new campus.

Alstonia scholaris (L.) R. Br.: (Apocynaceae) Devil's tree, scholar tree, saptaparni. Native - Asia-Temperate, Asia-Tropical region, Bangladesh, Bhutan, India, Nepal, Pakistan, Sri Lanka. Use: avenue tree, ornamental, medicinal. **Loc.** old campus.

Artocarpus heterophyllus Lam.: (Moraceae) Jackfruit, kathal. Native - Asia-Tropical, India (possibly indigenous in Western Ghats region). Use: human food. **Loc.** old and new campus.

Artocarpus altilis (Parkinson) Fosberg: (Moraceae) Breadfruit. Native - Asia-Tropical, Pacific, cultivated throughout tropics. Use: human food. **Loc.** old campus.

Artocarpus lacucha Buch.-Ham. (= *Artocarpus lakoocha* Roxb.): (Moraceae) Monkeyjack, barhal. Native - Asia-Temperate, Asia-Tropical, India, Laos, Myanmar, Thailand, Vietnam. Use: human food, medicine. **Loc.** old campus.

Azadirachta indica A. Juss.: (Meliaceae) Margosa tree, neem. Native - Asia-Tropical. Bangladesh, India, Myanmar. Use: medicinal. **Loc.** old and new campus.

Bambusa vulgaris Schrad.ex J. C. Wendl.: (Poaceae) Bamboo, bans. Native - Asia-Temperate, China. Use: medicine. **Loc.** Old and New Campus.

Bauhinia purpurea L.: (Caesalpiniaceae) Kachnar. Native - Asia-Tropical, Bhutan, India, Nepal, Pakistan, Sri Lanka, Myanmar, Thailand. Use: vegetable, medicinal, ornamental. **Loc.** old campus.

Bauhinia tomentosa L.: (Caesalpiniaceae) Yellow bell orchid tee, kanchan. Native - Africa, Asia-Temperate, Asia-Tropical, India. Use: vegetable, medicinal, ornamental. **Loc.** old and new campus.

Bauhinia variegata L.: (Caesalpiniaceae/ Fabaceae) Mountain ebony, kachnar. Native - Asia-Temperate, Asia-Tropical Bhutan, India, Nepal, Pakistan. Use: vegetable, medicinal, ornamental. **Loc.** old campus.

Bougainvillea spectabilis Willd.: (Nyctaginaceae) *Bougainvillea*. Native - Southern America. Use: ornamental. **Loc.** old campus.

Caesalpinia bonducella (L.) Fleming: (Caesalpiniaceae/ Fabaceae) Nicker bean, kankarej. Native - Africa, Asia-Temperate, Asia-Tropical Sri Lanka, Northern America, Pacific, Southern America. Use: medicinal. **Loc.** Biodiversity garden, new campus.

Calliandra haematocephala Hassk.: (Mimosaceae/ Fabaceae) Red powder puff. Native - Southern America. Use: ornamental, medicinal. **Loc.** old and new campus.

Callistemon lanceolatus (Sm.) Sweet: (Myrtaceae) Bottle brush. Native - Australia. Use: ornamental. **Loc.** old and new campus.

Canna indica L.: (Cannaceae) Indian shot, sarvajjaya. Native - Northern America, Southern America, Naturalized Africa, Asia-Temperate, Asia-Tropical, India, Nepal, Sri Lanka, Australia, Europe, Northern America, Pacific. Use: ornamental, medicinal. **Loc.** new campus.

***Carica papaya* L.:** (Caricaceae) Papaya, papita. Native - Northern America, Southern America. Use: medicinal. **Loc.** new campus.

***Carissa carandus* L.:** (Apocynaceae) Bengal currant, karanda. Native - Asia-Tropical Bangladesh, India. Use: vegetable, medicinal. **Loc.** old and new campus.

***Carissa macrocarpa* (Eckl.) A. DC.:** (Apocynaceae) Natal plum. Native - Africa. Use: ornamental, human food. **Loc.** Biodiversity garden, new campus.

***Cassia fistula* L.:** (Caesalpiniaceae/Fabaceae) Golden shower, amaltas. Native - Cultivated (naturalized in tropics). Use: ornamental, medicinal, insect repellent. **Loc.** old and new campus.

***Casurina equisetifolia* L.:** (Casuarinaceae) Whistling pine, jangali saru. Native - Asia-Tropical India. Use: ornamental. **Loc.** old campus.

***Cayota urens* L.:** (Arecaceae) Fishtail palm, mohakaran. Native - Asia-Tropical, India, Sri Lanka. Use: ornamental. **Loc.** old and new Campus.

***Ceiba pentandra* (L.) Gaertn.:** (Malvaceae) White silk-cotton tree, safed semal. Native - Africa, Northern America, Southern America, cultivated in Asia-Tropical, India. Use: ornamental, medicinal. **Loc.** old and new campus.

***Citrus aurantifolia* (Christm.) Swingle:** (Rutaceae) Lime, kaghzi nimbu. Use: edible, medicinal. **Loc.** old campus.

***Citrus × limon* (L.) Osbeck:** (Rutaceae) Lemon, nimbu. Native - cultivated widely cult. in tropics & subtropics. Use: edible, medicinal. **Loc.** old campus.

***Citrus jambhiri* Lush.:** (Rutaceae) Rough lemon. Native - Asia-Tropical. Use: edible, medicinal. **Loc.** old and new campus.

***Citrus japonica* Thunb.:** (Rutaceae) Kumquat. Native - Asia-Tropical. Use: fruit edible, essential oil, medicinal. **Loc.** old and new campus.

***Citrus maxima* (Burm.) Merr.:** (Rutaceae) Pummelo, chakotra. Native - Asia-Tropical, Indonesia, Malaysia; Cultivated (widely cult. in tropics & subtropics). Use: medicinal. **Loc.** new campus.

***Citrus medica* L.:** (Rutaceae) Citron, bara nimbu. Native - Asia-Tropical, India Cultivated in Asia-Temperate, China, Europe. Use: fruit edible, medicinal, ornamental. **Loc.** old campus.

***Citrus reticulata* Blanco:** (Rutaceae) Mandarin orange, santara. Native - Asia-Tropical, Indo-China-Vietnam, cultivated (widely cultivated in tropics & subtropics). Use: medicinal. **Loc.** new campus.

***Citrus × sinensis* (L.) Osbeck.:** (Rutaceae) Navel orange, malta. *Native* - cultivated in tropics & subtropics. Use: medicinal. **Loc.** new campus.

***Cordia rothii* Roem. & Schult. (= *Cordia sinensis* Lam.):** (Boraginaceae) Indian cherry, lasoda. Native - Africa, Asia-Temperate, Asia-Tropical, India, Pakistan, Sri Lanka. Use: vegetable, medicinal. **Loc.** in the backside of herbarium lawns, old campus and new campus.

***Cycas revoluta* Thunb.:** (Cycadaceae) Sago palm, pahadi supari. Native - Japan, South China. Use: ornamental. **Loc.** old and new campus.

***Dalbergia sissoo* Roxb.:** (Fabaceae) Indian rosewood, shisham. Native - Asia-Temperate, Asia-Tropical, Bangladesh, Bhutan, India, Nepal, Pakistan. Use: avenue, timber, medicinal and environmental. **Loc.** old building entrance, Biodiversity garden, new campus.

***Ervatamia coronaria* (Jacq.) Stapf (= *Tabernaemontana divaricata* (L.) Burkill):** (Apocynaceae) Crepe jasmine, chandni. Use: ornamental. **Loc.** old and new campus.

***Feronia limonia* Swingle (= *Limonia acidissima* L.):** (Rutaceae) Wood apple, kowit, kaith. Native - Asia-Tropical, India, Pakistan, Sri Lanka. Use: medicinal. **Loc.** new campus.

***Ficus benghalensis* L.:** (Moraceae) Banyan tree, barh. Native - Asia-Tropical, India, Pakistan. Use: avenue, medicinal. **Loc.** old and new campus.

***Ficus benjamina* L.:** (Moraceae) Weeping fig, pukar. Native - Asia and Australia. Use: ornamental. **Loc.** old and new campus.

***Ficus elastica* Roxb. ex Hornem.:** (Moraceae) Indian rubber tree. Native - tropical Asia, India, and Malaysia. Use: ornamental. **Loc.** old and new campus.

***Ficus glomerata* Roxb. (= *Ficus racemosa* L.):** (Moraceae) Cluster fig, gular. Native - Australia, Malaysia, Indo-China. Use: medicinal and ornamental. **Loc.** old and new campus.

***Ficus infectoria* Willd. (= *Ficus virens* Aiton):** (Moraceae) White fig, pilkhan, pakhad. Native - Asia-Temperate, Asia-Tropical, Bhutan, India, Nepal, Sri Lanka. Use: ornamental, hedge plant. **Loc.** old and new campus.

Ficus panda: (Moraceae) Ficus. Native - primarily to tropical areas of East Asia, distributed throughout tropics. Use: ornamental. **Loc.** new campus.

***Ficus palmata* Forssk.**: (Moraceae) Punjab fig, bedu, jangali anjiri. Native - Africa, Asia-Temperate, Asia-Tropical, India. Use: fruits edible. **Loc.** old campus

***Ficus religiosa* L.**: (Moraceae) Sacred fig, peepal. Native - Asia-Tropical, Bangladesh, India, Nepal, Pakistan. Use: avenue tree, ornamental, medicinal. **Loc.** old and new campus.

***Grevillea robusta* A. Cunn. ex R. Br.**: (Proteaceae) Southern silky oak. Native - Australasia. Use: ornamental. **Loc.** old campus

***Hibiscus rosa-sinensis* L.**: (Malvaceae) China rose, gurchal. Native - probable tropical Asia. Use: ornamental, medicinal. **Loc.** old and new campus.

***Holoptelea integrifolia* (Roxb.) Planch.**: (Ulmaceae) Indian Elm, papdi. Native - Asia-Tropical, India, Nepal, Sri Lanka. Use: medicinal. **Loc.** old campus.

***Jatropha glandulifera* Roxb.**: (Euphorbiaceae) Glandular jatropha, jangli erandi. Native - Mexico, South America, India and the Caribbean Islands. Use: medicinal. **Loc.** Biodiversity garden, new campus.

***Jatropha integrifolia* Jacq.**: (Euphorbiaceae) Peregrina, spicy jatropha. Native - Cuba and Hispaniola. Use: ornamental. **Loc.** Biodiversity garden, new campus.

***Juniperus communis* L.**: (Cupressaceae) Common Juniper, aaraar, haubera, abhal. Native - Africa, Asia-Temperate, Asia-Tropical, India, Nepal, Pakistan, Europe and North America. Use: medicinal and ornamental. **Loc.** Biodiversity garden, new campus.

***Kigelia pinnata* (Jacq.) DC. (= *Kigelia africana* (Lam.) Benth.)**: (Bignoniaceae) Sausage tree. Native - Africa. Use: ornamental. **Loc.** Biodiversity garden, new campus.

***Lagerstroemia speciosa* (L.) Pers.**: (Lythraceae) Pride of India, jarul. Native - Asia-Tropical, India, Sri Lanka. Use: ornamental. **Loc.** new campus.

***Leucaena leucocephala* Lam. De Wit.**: (Mimosaceae) White lead tree, subabul. Native - Northern America, Southern America. Use: hedge plant, bio-energy. **Loc.** new campus.

***Livistona chinensis* (Jacq.) R. Br. ex Mart.**: (Arecaceae) Fan palm. Native - Asia-Temperate, China. Use: ornamental. **Loc.** old and new campus.

***Madhuca longifolia* (J. König) J.F. Macbr.**: (Sapotaceae) Mahuwa. Native - Asia-Tropical. Use: fruit edible, industrial and medicinal. **Loc.** old campus.

***Malvaviscus konzattii* Greenman (= *Malvaviscus arboreus* Cav. var. *arboreus*)**: (Malvaceae) Turk's cap mallow. Native - Northern-America, Southern-America. Use: ornamental. **Loc.** new campus.

***Mangifera indica* L.**: (Anacardiaceae) Mango, aam. Native - Asia-Tropical India. Use: human food, ornamental and medicinal. **Loc.** old and new campus.

***Manilkara hexandra* (Roxb.) Dub.**: (Sapotaceae) Ceylon Iron Wood, khirni. Native - Asia-Temperate, Asia-Tropical, Bangladesh, India, Sri Lanka. Use: human food. **Loc.** Biodiversity garden, new campus.

***Mimusops elengi* L.**: (Sapotaceae) Spanish cherry, maulsari. Native - Asia-Tropical, India, Sri Lanka. Use: ornamental and medicinal. **Loc.** old and new campus.

***Morinda citrifolia* L.**: (Rubiaceae) Indian mulberry, noni. Native - Asia-Temperate, Asia-Tropical, Bangladesh, India, Sri Lanka, India, Indochina, Thailand. Use: ornamental and medicinal. **Loc.** new campus.

***Moringa oleifera* Lam.**: (Moringaceae) Drumstick tree, sahan. Native - Asia-Tropical, India. Use: vegetable, ornamental and medicinal. **Loc.** old and new campus.

***Morus alba* L.**: (Moraceae) Mulberry, shahtoot. Native - Asia-Temperate, Asia-Tropical, India. Use: human food, ornamental and medicinal. **Loc.** old and new campus.

***Murraya koenigii* (L.) Spreng. (= *Bergera koenigii* L.)**: (Rutaceae) Curry leaf, kari patta. Native - Asia-Temperate, Asia-Tropical, Bangladesh, Bhutan, India, Nepal, Pakistan, Sri Lanka, Andaman and Nicobar Islands, Laos, Myanmar, Thailand, Vietnam. Use: ornamental and medicinal. **Loc.** old and new campus.

***Murraya paniculata* (L.) Jack**: (Rutaceae) Orange jasmine, kamini. Native - Asia-Temperate, Asia-Tropical, Vietnam. Use: ornamental. **Loc.** old and new campus.

***Musa acuminata* Colla**: (Musaceae) Banana, kela. Native - Asia-Temperate, Asia-Tropical, India, Sri Lanka. Use: human food, medicinal. **Loc.** old and new campus.

***Musa balbisiana* Colla**: (Musaceae) Plantain banana. Native - Asia-Temperate, Asia-Tropical, India. Use: ornamental, food. **Loc.** old and new campus.

***Nerium indicum* Mill.** (= *Nerium oleander* L.): (Apocynaceae) Indian oleander, kaner. Native - Africa, Asia-Temperate, Asia-Tropical, India. Use: ornamental. **Loc.** new campus.

***Nyctanthes arbour-tristis* L.**: (Oleaceae) Night jasmine, harsingar. Native - Asia-Tropical, India, Nepal, Pakistan. Use: ornamental and medicinal. **Loc.** old campus.

***Pachira glabra* Pasq.**: (Malvaceae) Guinea peanut, french peanut. Native - Brazil. Use: seeds/nuts edible, ornamental. **Loc.** old campus.

***Pandanus odorifer* (Forssk.) Kuntze:** (Pandanaceae) Seashore Pandan, kewda. Native - Polynesia, Australia, South Asia, Andaman Islands, and the Philippines, wild in southern India and Burma. Use: medicinal and aromatic. **Loc.** old and new campus.

***Phoenix dacylifera* L.**: (Arecaceae) Date palm, khajur. Native - Probably Asia-Temperate. Use: human food, medicinal. **Loc.** Biodiversity garden, new campus and old campus.

***Phyllanthus emblica* L.**: (Euphorbiaceae/Phyllanthaceae) Indian gooseberry, amla. Native - Asia-Temperate, Asia-Tropical, Bangladesh, Bhutan, India, Nepal, Pakistan, Sri Lanka. Use: fruits edible, medicinal. **Loc.** Biodiversity garden, new campus.

***Pinus roxburghii* Sarg.**: (Pinaceae) Chir pine tree, chir. Native - Asia-Temperate, Asia-Tropical, Bhutan, India, Nepal. Use: ornamental, timber. **Loc.** Biodiversity garden, new campus.

***Pithecellobium dulce* (Roxb.) Benth.**: (Caesalpiniaceae/Fabaceae) Manilla tamarind, jangal jalebi. Native - Northern America, Southern America. Use: human food, wood, medicinal. **Loc.** Biodiversity garden, new campus.

***Plumeria rubra* L.**: (Apocynaceae) Red frangipani, champa. Native - Northern America, Southern America. Use: ornamental. **Loc.** old and new campus.

***Polyalthia longifolia* (Sonn.) Thwaites:** (Annonaceae) Indian fir tree, Ashoka tree, debdaru. Native - Asia-Tropical, India, Sri Lanka. Use: ornamental. **Loc.** old and new campus.

***Pongamia pinnata* (L.) Pierre** (= *Millettia pinnata* (L.) Panigrahi): (Fabaceae) Pongam tree, karanj. Native - Asia-Temperate, Asia-Tropical, Bangladesh, India, Sri Lanka. Use: medicinal and environmental. **Loc.** new campus.

***Prosopis cineraria* (L.) Druce:** (Mimosaceae) Khejri, shami. Native - arid portions of Western Asia and the Indian subcontinent including Afghanistan, Bahrain, Iran, India, Oman, Pakistan, Saudi Arabia, the United Arab Emirates and Yemen, state tree of Rajasthan. Use: medicinal, fodder, wood and environmental. **Loc.** Biodiversity garden, new campus.

***Pterospermum acerifolium* (L.) Willd.**: (Malvaceae) Karnikara tree, kanakchampa. Native - Asia-Temperate, Asia-Tropical, Bangladesh, Bhutan, India, Nepal. Use: ornamental, medicinal. **Loc.** opposite gate no. 1, new campus.

***Pseuderanthemum carruthersii* (Seem.) Guillaumin:** (Acanthaceae) Purple false eranthemum, Carruthers' falseface. Native - Pacific, widely cultivated in tropics. Use: ornamental. **Loc.** new campus.

***Pseuderanthemum reticulatum* (Hort. ex Hook. fil.) Radlk.**: (Acanthaceae) Yellow-vein eranthemum, golden net-bush. Native - the open forests of Polynesia and Melanesia. Use: ornamental. **Loc.** new campus.

***Psidium guajava* L.**: (Myrtaceae) Guava, amrood. Native - Northern America, Mexico Southern America. Use: human food, medicinal. **Loc.** old campus.

***Punica granatum* L.**: (Punicaceae) Pomegranate, anar. Native - Asia-Temperate, Asia-Tropical, India. Use: human food, medicinal and ornamental. **Loc.** Biodiversity garden, new campus.

***Rauvolfia tetraphylla* L.**: (Apocynaceae) Devil pepper, barachandrika. Native - Northern America, Southern America. Use: medicinal. **Loc.** Biodiversity garden, new campus.

***Rondeletia odorata* Jacq.**: (Rubiaceae) Fragrant panamrose. Native - Southern America. Use: ornamental. **Loc.** old campus.

***Schleichera oleosa* (Lour.) Oken:** (Sapindaceae) Gum lac tree, kusum. Native - Asia-Tropical, India, Nepal, Sri Lanka. Use: human food, medicinal, house of Lac insect. **Loc.** old campus.

***Simarouba glauca* DC.**: (Simaroubaceae) Paradise-tree, dysentery-bark, bitterwood and Lakshmi Taru. Native-Florida, South America. Use: edible oil from seeds. **Loc.** New campus (Biodiversity Garden).

***Spathodia campanulata* P. Beauv.**: (Bignoniaceae) African tulip tree, rudrapalash, rugtoora. Native: Angola, Ethiopia, Ghana, Kenya, Sudan, Tanzania, Uganda,

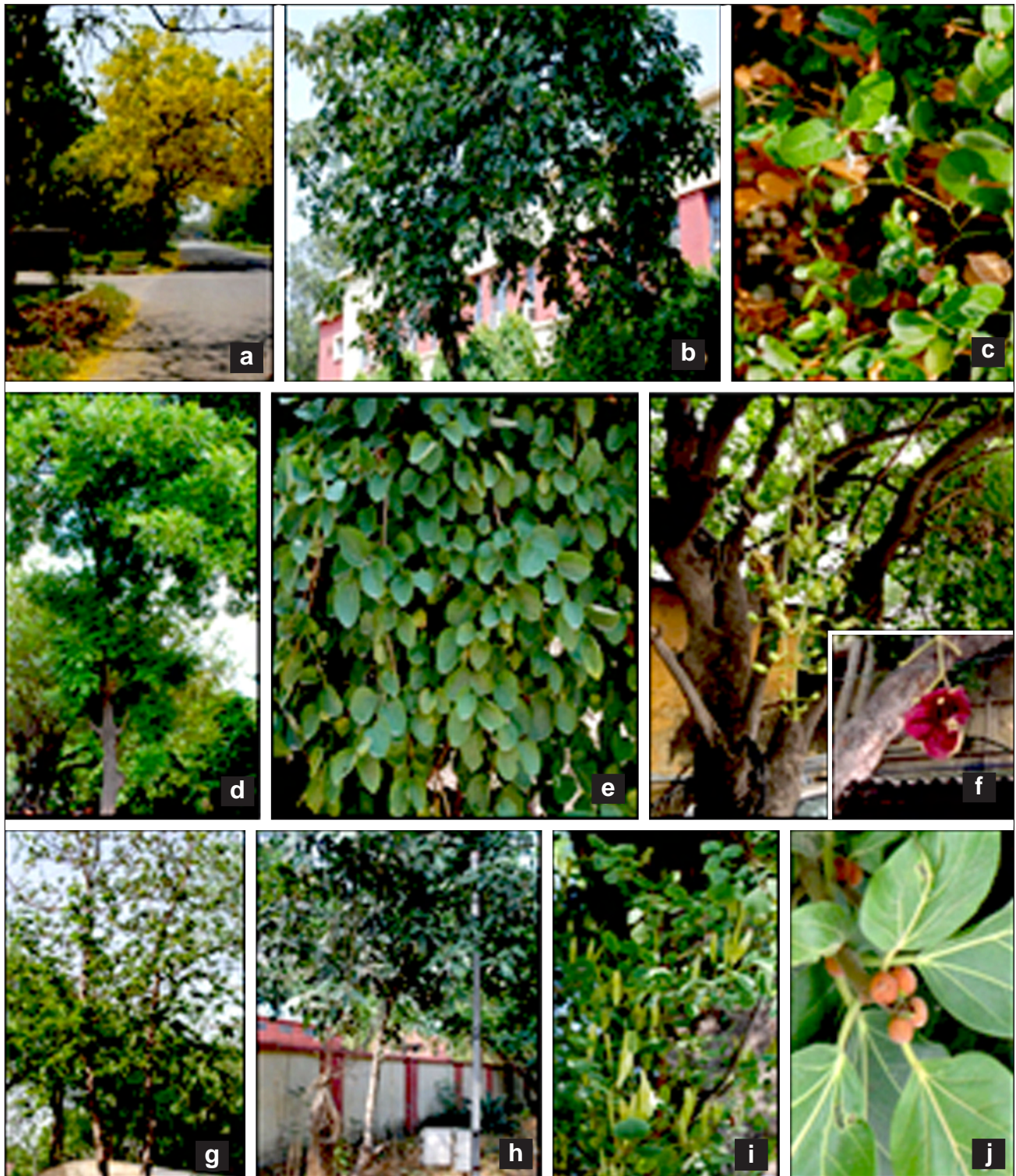


Fig. 1. (a) *Cassia fistula* L., (b) *Pachira glabra* Pasq., (c) *Carissa carandus* L., (d) *Simmarouba glauca*, (e) *Cordia rothii* Roem. & Schult., (f) *Kigelia pinnata* (Jacq.) DC., (g) *Artocarpus lacucha* Buch.-Ham., (h) *Manilkara hexandra* (Roxb.) Dub, (i) *Dalbergia sissoo* Roxb., (j) *Ficus benghalensis* L.



Fig.2. (a) *Phoenix dactylifera* L., (b) *Rondeletia odorata* Jacq., (c) *Ceiba pentandra* (L.) Gaertn., (d) *Pterospermum acerifolium* (L.) Willd., (e) *Alstonia scholaris* (L.) R. Br., (f) *Zamia furfuracea* L.f., (g) *Hibiscus rosa-sinensis* L., (h) *Tectona grandis* L.f., (i) *Citrus japonica* Thunb., (j) *Callistemon lanceolatus* (Sm.) Sweet, (k) *Emblica officinalis*

Zambia Use: ornamental, medicinal. **Loc.** Biodiversity garden, new campus.

Syzygium cumini (L.) Skeels: (Myrtaceae) Black plum, jamun, jambolan. Native - Africa, Asia-Temperate, Asia-Tropical, India. Use: ornamental, human food and medicinal. **Loc.** old and new campus.

Tamarindus indicus L.: (Caesalpiniaceae) Tamarind, imli. Native - Africa, Asia-Temperate. Use: avenue,

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medicinal and human food. **Loc.** Biodiversity garden, new campus.

Tecoma stans (L.) Juss. ex Kunth: (Bignoniaceae) Yellow bells, peeliya. Native - Northern America, Southern America. Use: ornamental. **Loc.** Biodiversity garden, new campus.

Tecomella undulata (Sm.) Seem.: (Bignoniaceae) Desert teak, rohida. Native - Asia-Temperate, Asia-Tropical,

India, Pakistan. Use: ornamental. **Loc.** Biodiversity garden, new campus.

Tectona grandis L.f. (Lamiaceae) Teak. Native to south and southeast Asia, Use: Furniture wood, avenue. **Loc.** old campus.

Terminalia arjuna (Roxb. ex DC.) Wight & Arn.: (Combretaceae) Arjun, arjun. Native -Asia-Tropical, India, Sri Lanka. Use: avenue, medicinal. **Loc.** old and new campus.

Terminalia catappa L.: (Combretaceae) Indian almond, jangali badam. Native - Africa, Asia-Temperate, Asia-Tropical, India. Use: ornamental and medicinal. **Loc.** old and new campus.

Thevetia neriiifolia Juss. ex Steud. (=Thevetia peruviana (Pers.) K. Schum.): (Apocynaceae) Yellow oleander, kaner. Native - Northern America, Southern America. Use: ornamental. **Loc.** new campus.

Thuja occidentalis L.: (Cupressaceae) Northern white-cedar, thuja. Native - Northern America. Use: ornamental and medicinal. **Loc.** old and new campus.

Tinospora cordifolia (Willd.) Miers: (Menispermaceae) Heart-leaved moon seed, amrita, giloe. Native - Asia-Tropical, Bangladesh, India, Sri Lanka. Use: medicinal. **Loc.** old and new campus.

Tylophora asthmatica (L.f.) Wight & Arn. (=Tylophora indica (Burm. f.) Merr.): (Apocynaceae) Indian ipecacuanha, arkaparni. Native - Asia-Tropical, India, Sri Lanka. Use: medicinal. **Loc.** old and new campus.

Vernonia amygdalina Delile (=Gymnanthemum amygdalinum (Delile) Sch. Bip.): (Asteraceae) African bitter leaf. Native- Africa, Asia-Temperate. Use: ornamental and medicinal. **Loc.** old and new campus.

Vitex negundo L.: (Verbenaceae/Lamiaceae) Chinese chaste tree, nirgundi. Native - Africa, Asia-Temperate, Asia-Tropical, Bangladesh, Bhutan, India, Nepal, Pakistan, Sri Lanka. Use: ornamental, medicinal, insect repellent plant. **Loc.** Biodiversity garden, new campus.

Volkameria inermis L. [=Clerodendrum inerme (L.) Gaertn.]: (Verbenaceae) Glory bower, wild jasmine. Native - Asia-Temperate, Asia-Tropical, Bangladesh, India, Sri Lanka, Australasia, Pacific. Use: hedge, medicinal. **Loc.** old and new campus.

Withania somnifera (L.) Dunal: (Solanaceae) Indian ginseng, ashwagandha. Native - Africa, Asia-Temperate, Asia-Tropical, India, Pakistan, Sri Lanka, Europe. Use: medicinal. **Loc.** Biodiversity garden, new campus.

Zamia furfuracea L.f.: (Arecaceae/Zamiaceae) Cardboard palm. Native - Northern America. Use: ornamental. **Loc.** new campus.

Ziziphus mauritiana Lam.: (Rhamnaceae) Indian jujube, ber. Native - Asia-Temperate, Asia-Tropical, Bhutan, India (possibly native), Nepal. Use: avenue tree/hedge, medicinal and human food. **Loc.** old and new campus.

The check-list will be updated with addition of new plants and the data with soft images would be uploaded on the ICAR-NBPGR web-page for the wider use and enhancing the knowledge. All readers are requested to visit <http://www.nbpgr.ernet.in/> for comments on the contents of this paper for improvement.

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