Indian Institute of Integrative Medicine, Jammu (CSIR)

List of Plant Bio-resources available at IIIM Farm, Jammu

S. No.	Botanical Name	Family	Common Name	Major constituents
1.	*Aloe vera* (L. Burm. f.)	Liliaceae	Aloe	Aloin
2.	*Aegle marmalus* (L) Corr.	Rutaceae	Bael	Marmelosin, tannins
3.	*Asparagus racemosus* (Willd.)	Liliaceae	Shatavar	Saponins, shatavarin 1st to 4th
4.	*Adhatoda vasica* (Nees.)	Acanthaceae	Adulsa	Vasicine, vasicinonone
5.	*Abrus precatorius* (L.)	Fabaceae	Saga tree, Ratti	Abrus-saponins, abrisapogenol, β - amyrin, squalene, abricin, abridin, abrusgenic acid and methyl abrusgenate'2
6.	*Acacia nilotica* (L.) Delile.	Mimosaceae	Kikar	Catechin, epicatechin, quercitin, gallic acid, sucrose, tannin
7.	*Acorus calamus* L.	Acoraceae	Sweet Flag	Acorin ($C36H_{60}O6$).
8.	*Apium graveolens* (L.)	Umbelliferae	Celery	Apiin
9.	*Azadirachta indica* (A. Zuss)	Meliaceae	Neem	Three bitter compounds *nimbin*, *nimbinin*, and *nimbidin*
10.	*Ammi majus* (L.)	Apiaceae	Kata tulsi	Umbelliprenin
11.	*Abutilon indicum* (L.)	Malvaceae	Atibalaa	HBr-reactive fatty acids
12.	*Asparagus officinalis* (L.)	Liliaceae	asparagus (shatavar)	Steroidal saponins
13.	*Asparagus adscendens* (L.)	Liliaceae	Safed musli	Steroidal glycosides
14.	*Artimisia vilgaris* (L.)	Asteraceae	Nagdona	Thujone (toxic)
15.	*Andrographis paniculata* (Nees)	Acanthaceae	Green Chirayta , Kalmegh	deoxy-andrographolide, neo-andrographolide and andrographiside
16.	*Annona reticulate* (L.)	Annonaceae	Custard Apple	(E,E)-farnesyl acetate (19.0%), ar-turmerone (12.0%), benzyl benzoate (10.9%) and γ-terpinene (7.4%)
17.	*Ammomum subulatum (*Roxb.)	Zingiberaceae	Badi Elaichi	1,8-cineol, limonene, terpinene, terpineol, terpinyl acetate, sabinene
18.	*Bryophyllum daigremontianum (*Raym.-Hamet & H. Perrier)	Zingiberaceae	Pathar-chat	11-oxo-epi-Î²-amyrin, 21-dehydro desmosterol, 3,4-dihydroxy-*cis*-cinnamic acid, and *p*-hydroxy-benzaldehyde
19.	*Barleria prionitis* (L.)	Acanthaceae	Vajradanti, Kundan, Porcupine flower	Berlerin, acetylbarlerin

20.	*Bacopa monnieri* (Linn.)	Scrophulariaceae	Brahmi	Bacosides
21.	*Boswellia tuberose* Roxb. Ex Willd. Colebr	Burseraceae	Salai, Kundur	Boswellic acid
22.	*Celestrus paniculatus(* Wild.)	Celastraceae	Malkangni	Sesqiterpenene alkaloids, Celapagine, celapanigine, celapanine, polyalcohal A, B, C
23.	*Curcuma longa* (L.)	Zingiberaceae	Haldi, Turmeric	Curcumene
24.	*Calotropis procera* (Ait.) Ait.	Apocynaceae	Aak	Calotropn, calotoxin
25.	*Citrus aurantifolia* (Christm.)	Rutaceae	Lime	d-limonene
26.	*Chlorophytum arundinaceum* Ker Gawl.	Liliaceae	Safed Musli, Spider Plant	Saponins and Alkaloids
27.	*Costus speciosus* (J.koenig)	Zingiberaceae	Crepe ginger	Steroidal saponons, Diosgenin
28.	*Citrus limon* (L.) Bum.F.	Rutaceae	Lemon	Citric acid, pectin, lemon oil, carotene
29.	*Casia fistula* (*L*.)	Fabaceae	Amaltas	1,8-dihydroxyanthraquinone
30.	*Carissa spinarum* (L.)	Apocynaceae	Garna, Jungli Karonda	Carrisone, carindone, Carinol, four crystallines substances viz. A, B
31.	*Cinnamomum camphora* (Nees.)	Lauraceae	Kapoor	Camphoric Acid, Cineole, Cymene, Dipentine, Eugenol Phellandrene, Pinene, Safrole Sesquiterpenes, Terpineol
32.	*Camellia sinensis* (L.) O. Kuntz.	Theaceae	Tea	Polysaccharides, volatile oils, vitamins, minerals, purines, alkaloids (eg. caffeine), polyphenols (catechins and flavonoids).
33.	*Cassia angustifolia (*Vahl.)	Leguminoseae	Sanai, Senna	Glycosides, sennoside A, sennoside B, sennoside C, sennoside
34.	*Chlorophytum borivilianum* (L.)	Liliaceae	Safed Musli	Carbohydrates, Proteins, Fibre, Saponins, Alkaloids
35.	*Coleus amboinicus Lour.*	Lamiaceae	Patha ajavayin	Carvachrol, caryophylene, patchoulane
36.	*Colebrookea oppositifolia* Smith	Lamiaceae	Indian Squirrel Tail, Pansra	Acylated flavone glycoside
37.	*Cymbopogon pendulus* (Nees ex.steud.) Wats.	Poaceae	Jammu Lemon grass	Citral
38.	*C. khasianus* (stapf ex. Bor) × *Cymbopogon pendulus* (Nees ex.steud.) wats	Poaceae	Lemon grassHybrid	Citral
39.	*Cymbopogon nardus var. conferiflorus*	Poaceae	Lemon Grass	Geraniol
40.	*Cymbopogon flexuosus*	Poaceae	Lemon grass	Citral

41.	*Cymbopogon commutatus*	Poaceae	Tawi rosa	Geraniol
42.	*Cymbopogon jawarncusa* (Jones*)* Schult× *Cymbopogon nardus* var. *Conferiflorus*	Poaceae	Jamarosa (Hybrid)	Geraniol
43.	*Cymbopogon khasianus*	Poaceae	Rosa grass	Geraniol
44.	*Cymbopogon winterianus* Jawitt	Poaceae	Java citronella	Geraniol, Citronellol, Citronellal
45.	*Cymbopogon citratus* (DC) Stapf.	Poaceae	West Indian Lemongrass	Citral
46.	*Cymbopogon jawarancusa* (Jones) Schult.	Poaceae	Kusa grass	Piperitone
47.	*Datura metal* (L.)	Solanaceae	Datura	Tropane alkaloids
48.	*Datura stramonium* (Linn.)	Solanaceae	Datura	Tropane alkaloids, flavonoids, Coumarins, tannis
49.	*Dioscorea composita* (Hemsl.)	Dioscoreaceae	Yam	Diosgenine
50.	*Emblica officinalis* (Gaerin.)	Euphorbiaceae	Amla	Vitamin – C
51.	*Eucalyptus citridora* (Hook)	Myrtaceae	Safeda	Citronellal
52.	*Echinaceae angustifolia* (L.)	Asteraceae	Purple cowflower	(Phenol) Echinacoside
53.	*Echinaceaepurpurea* (L.) Moench	Asteraceae	Purple cowflower	(Phenol) Cichoric & cartaric
54.	*Eclipta alba* (Hassk.)	Asteraceae	Bhrngaraja	Ecliptine, wedelolactone, dimethyl wedelolactone, wedelic acid, eclepitine apigenin, luteolin, b-amyrin, mono-, di- and trithiophene acetylenes, a-terthenyl, thiophene
55.	*Ficus religiosa* (L.)	Moraceae	Pipal	Arabinose, mannose, glucose, phenolic glucoside, ester
56.	*Ficus benghalensis* (L.)	Moeaceae	Banyan tree, Badd	Bangalenoside, flavonoid glucosides
57.	*Gymnema sylvestre* (R.Br.)	Asteraceae	Gurmar	Gymnemic acid
58.	*Glycyrrhiza glabra* (L.)	Fabaceae	Mulathi	Glycyrrhizine
59.	*Geranium dissectum* (L.)	Geraniaceae	Geranium	α-pinene, myrcine, lionene, menthone, linalool, citronellol, geranial, geranyl butyrate
60.	*Ginkgo biloba* (L.)	Ginkgoaceae	Ginkgo	24% flavonoids and 6% terpenoids (ginkgolides and bilobalide) and different organic acids
61.	*Grewia asiatica* (L.)	Malvaceae	Phalsa	Flavonoids, glycosides and tannins
62.	*Hibiscus rosa-sinensis* (L.)	Malvaceae	Gurhal	Apigenidin, Arachidic acid, behenic acid

63.	*Indigofera tinctoria* (Linn.)	Indigofereae	True indigo	Indican
64.	*Jatropha curcas* (L.)	Euphorbiaceae	Purging nut	Myristic, palmitic, stearic, arachidic, oleic, linaleic acid
65.	*Lawsonia inermis* (L.)	Lythraceae	Heena,Mehandi	2-hydroxy-naphathaquinone, leucomarin, 5-allyloxy-7-hydroxy coumarin
66.	*Mentha piperita* (L.)	Lamiaceae	Peppermint	Menthol, menthone, menthafuron
67.	*Mentha citratra* (Ehrh.)	Lamiaceae	Bergamot mint	Linalool, Linyl acetate
68.	*Mentha spicata* (L.)	Lamiaceae	Spearmint	Carvone, dihydrocarveal, dihydrocarveal acetate, limonene
69.	*Mentha arvensis* (L.)	Lamiaceae	Japanese mint	Menthol, menthone, menthyl acetate
70.	*Mentha longifolia* (L.) var. *incana*	Lamiaceae	Anant Carvomint	l-carvone, l-limonene
71.	*Monarda citriodora* (Cerv. ex Lag.)	Lamiaceae	Lemon Bergamot	Thymol
72.	*Moringa oleifera* (Lam.)	Morgaceae	Sahijan	Moringyne
73.	*Matricaria chamomilla* (L.)	Compositae	Chemomile	Chamazulene
74.	*Mangifera indica* (L.)	Anacardiaceae	Mango	1-3-5-6-7-pantamethoxy xanthone
75.	*Melia azadirachta (*Linn.)	Meliaceae	Bean Tree	Margosin, a crystalline principle, and tannic acid.
76.	*Morus alba* (L.)	Moraceae	Tutri	Flavonoides
77.	*Nerium indicum* (Mill.)	Apocynaceae	Kaner	Neriodorin, karabin
78.	*Ocimum gratissimum* (L.)	Lamiaceae	Tulsi	Eugenol
79.	*Ocimum canum* (Simms.)	Lamiaceae	Tulsi	Linalool
80.	*Ocimum viridi* (Willd.)	Lamiaceae	Tulsi	Methyl cinnamate
81.	*Ocimum carnosum* (L.K.et.ott)	Lamiaceae	Tulsi	Elemicin
82.	*Ocimum sanctum* (L.)	Lamiaceae	Kali tulsi	Eugenol, carvacrol, methyl chevicol, cineol, linalool
83.	*Ocimum americanum* (L.)	Lamiaceae	Van Tulsi	Citral, linalool, geraniol, citronellol
84.	*Ocimum basilicum* (L.)	Lamiaceae	Tulsi	Methyl chavicol
85.	*Origanum vulgare* (L.)	Lamiaceae		Carvacrol, thymol
86.	*Oroxylum indicum* (L. Benth. ex Kurz)	Bignoniaceae	Bhut-vriksha, Syonaka, Indian Trumpet flower	Baicalein, oraxylin A, chrysin and scutellarine – 7 – rutinoside caprylic, lauric, myristic, palmitic, palmotoleic, stearic, oleic and linoliec acids.
87.	*Plumbago zeylanica* (L.)	Plumbaginaceae	Chitrak	Plubagin

88.	*Piper longum* (L.)	Piperaceae	Pipli	Poperine, piperlongumine, methyl-3,4,5-trimethoxycinnamate
89.	*Pongamia pinnata (*L.) pierre	Fabaceae	Karanj	Glabrin, kranjin, pongapin, kanjone
90.	*Pinus roxburghii* (Sarg.)	Pinaceae	Chir Pine	Allylbenzene
91.	*Psidium guajava* (L.)	Myrtaceae	Guava	1-8-cineole, 2-3-4-6 tetra-o-galloyl glucose
92.	*Piper betle* (L.)	Piperaceae	Paan	Allylbenzene
93.	*Putranjiva roxburghii* (Wall.)	Euphorbiaceae	Putijia, Lucky Bean Tree	Oleic and linoleic acids, phosphine and ethylene dibromide
94.	*Rauvolfia serpentina* (L.) Benth ex kurz	Apocynaceae	Sarpagandha	Reserpine, recinnamine, serpentine
95.	*Rauvolfia canescens* (L.)	Apocynaceae	Barachandrika	Canescine
96.	*Saraca indica* L.	Caesalpiniaceae	Sita Ashok	Tannin, Catechol, steriol, organic calcium compound
97.	*Sapindus mukorossii* (Gaertn.)	Sapindaceae	Reetha	saponins, sapindoside A and B, kaempferol, quercetin, B-sitosterol, palmitic, stearic, oleic, linoleicand eicosenoic acids, glycerides.
98.	*Spilanthes acmella* (Murr.)	Compositae	Akarkara	Spilanthol
99.	*Syzygium cumini* (L.) Skeels	Myrtaceae	Jamun	Betulinic acid friedelin, sucrose, tannins, gallic acid, ellagic acid
100.	*Simarouba Glauca* (DC.)	Simaroubaceae	Lakshmi taru	Qassinoids
101.	*Solanum khasianum* (C. B. Clarke)	Solanaceae	Bhan-Bhindi	Solasodine
102.	*Stevia rebudiana* (Cav.)	Asteraceae	Sweet plant	Rebaudioside-A
103.	*Tinospora cordifolia* (Willd.)	Menispermaceae	Giloy	Tinosporine, tinosporon, tinosporic acid
104.	*Terminalia arjuna* (Roxb.) W.	Combretaceae	Arjun tree	Arjunolic acid, tomentosic acid, β-sitosterio, ellagic acid, saponon
105.	*Thevetia peruviana* (Adans.)	Apocynaceae	Kaner	Thevevetin (A,B), nerifolin, seeds contain poisonous cardiac glycosides
106.	*Terminalia bellerica (*Roxb.)	Combretaceae	Bahera	Chebulagic acid, ellagic acid, ethyl ester, gallic acid, fructose, glactose, glucose
107.	*Tectona grandis* (L.)	Verbenaceae	Teak, Sagwan	Calcium phosphate, silica, ammonium, magnesium phosphate, resin, fatty acids
108.	*Terminalia chebula* (Retz.)	Combretaceae	Harad, Haritaki	Tannic acid, Chebulinic acid, Gallic acid, Anthraquinone and Sennoside.

109.	*Vitex negundo* (L.)	Verbenaceae	Nirgundi	α-sitosterol, α-sitosterol acetate, stigmasterol
110.	*Viola odorata* (Linn.)	Violaceae	Banafshah	nonadienal, parmone, hexyl alcohol, bezyl alcohol, ionone, viola quercitin
111.	*Valeriana wallichii* (DC)	Valerianaceae	Jatamansi, Valerian	valeric acid, valerenic acid, valechlorine, valerine, limonene, choline, chatinine, valerianine, actinidine, tannins, resins and alkaloids.
112.	*Withania somnifera* (L.)	Solanaceae	Ashwagandha	Pyrazole alkaloids, withasomnine, steroidal lactones, withaferin-A, withanolides
113.	*Woodfordia fruticosa* (Kurz)	Lythraceae	Dhatki	Malvidin, pentose, Glycosides, annin, ursolic acid
114.	*Zizyphus jujube* (Mill.)	Rhamnaceae	Ber	Carbohydrates, fat protein, amino acids, anthocyanins