

1. Plant Family List: Users can access information of medicinal plants based on family which will direct the user to the list of plants belonging to the particular family.



NEI-MPDB: An Integrated North East India Medicinal Plant Database



LIST OF FAMILY

| Sl. No. | Family |
|---------|----------------------------------|
| 1 | Acanthaceae |
| 2 | Achariaceae |
| 3 | Acoraceae |
| 4 | Adiantaceae |
| 5 | Alismataceae |
| 6 | Alliaceae |
| 7 | Amaranthaceae |
| 8 | Amaryllidaceae |
| 9 | Anacardiaceae |
| 10 | Angiopteridaceae |
| 11 | Annonaceae |
| 12 | Apiaceae |
| 13 | Apocynaceae |
| 14 | Araceae |
| 15 | Araliaceae |
| 16 | Arecaceae |
| 17 | Asclepiadaceae |
| 18 | Asparagaceae |
| 19 | Aspleniaceae |
| 20 | Asteraceae |

1 2 3 4 5 6 7 8

Plant Details of Family:Acanthaceae

| Sl. No. | Plant Name |
|---------|---|
| 1 | Adhatoda vasica Nees |
| 2 | Andrographis paniculata |
| 3 | Barleria cristata Alba |
| 4 | Justica Neck. |
| 5 | Justicia adhatoda L. |
| 6 | Justicia gendarussa Burm. |
| 7 | Lepidagathis incurva |
| 8 | Lepidagathis rigida |
| 9 | Phlogacanthus curviflorum |
| 10 | Phlogacanthus pubinervis T. |
| 11 | Phlogacanthus thyrsoiflorus Roxb. |
| 12 | Phlogacanthus thyrsoiformis |
| 13 | Thunbergia coccinea Wall. |
| 14 | Thunbergia grammdiflora Roxb. |

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2. **Scientific Name List:** Users can access information of medicinal plants based on the scientific name which will direct the user to the details of plants.



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LIST OF PLANTS WITH SCIENTIFIC NAME

| Sl. No. | Family |
|---------|--|
| 1 | Abies wabbiana |
| 2 | Abrus precatorius |
| 3 | Acacia concinna (Willd.) |
| 4 | Acacia farnesiana (L.) Willd |
| 5 | Achyranthes aspera L. |
| 6 | Aconitum ferox |
| 7 | Aconitum heterophyllum |
| 8 | Aconogonum molle |
| 9 | Acorus calamus L. |
| 10 | Adhatoda vasica Nees |
| 11 | Adiantum philippense L. |
| 12 | Aegle marmelos (L.) |
| 13 | Aerva sanguinolenta (L.) |
| 14 | Aesandra butyraceae |
| 15 | Aeschynanthus sikkimensis |
| 16 | Aesculus assamica |
| 17 | Ageratum conyzoides L. |
| 18 | Ageratum houstonianum |
| 19 | Albizia chinensis |
| 20 | Albizia lebbek Benth. |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29

Details of Plants: Aegle marmelos (L.)

| Plant details | NE-statewise availability |
|---|--|
| Family: Rutaceae Phytochemicals Tannins Skimmiainin Caryophyllene Cineole Citral Cuminaldehyde Citronella p-cymene d-limonene Eugenol Lupeol γ-Sitosterol β-Sitosterol β-amyrin α-amyrin Rutin Coumarins Aegeline Marmesin Umbelliferone Marmelosine Marmelin O-Methyl Halfordinol Alloimperatorin Methyl Ether O-Isopentenyl Halfordinol PhlobaTannins Flavon-3-Ols Leucoanthocyanins Anthocyanins | Assam Nagaland Tripura Vernacular Name Assam : Bael Nagaland : Charamjang (Ao) Tripura : Bael |
| Ailments cured | Plant parts used and methods |
| Cough Dysentery Gastritis | Leaves: Extract taken orally Fruit: Extract taken orally |
| Plant References | |
| Bora, U; et al. Medicinal Plants used by the People of Northeast India for Curing Malaria, <i>Phytotherapy Research</i> , 21, 800-804, 2007. Kichu, M; et al. An ethnobotanical study of medicinal plants of Chungtia village, Nagaland, India. <i>Journal of Ethnopharmacology</i> , 166, 5-17, 2015. Kabir et al. A survey of medicinal plants used by the Deb barma clan of the Tripura tribe of Moulvibazar district, Bangladesh, <i>Journal of Ethnobiology and Ethnomedicine</i> , 10:19, 2014. | |
| Phytochemical References | |
| Shrinath, B, M; et al. Aegle marmelos (L.) Correa (Bael) and its phytochemicals in the treatment and prevention of cancer. <i>Integrative cancer therapies</i> 12.3: 187-196, 2013. | |

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3. Vernacular Name List: Users can access information of medicinal plants based on the vernacular name which will direct the user to the details of plants.



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LIST OF STATE-WISE VERNACULAR NAME

| Sl. No. | Family |
|---------|---|
| 1 | Arunachal Pradesh : Ahutenga |
| 2 | Arunachal Pradesh : Amintatek |
| 3 | Arunachal Pradesh : Amrul |
| 4 | Arunachal Pradesh : Baarta pipy |
| 5 | Arunachal Pradesh : Babarai, Baya |
| 6 | Arunachal Pradesh : Bang |
| 7 | Arunachal Pradesh : Bapi |
| 8 | Arunachal Pradesh : Bhant |
| 9 | Arunachal Pradesh : Bibu |
| 10 | Arunachal Pradesh : Bimkoh |
| 11 | Arunachal Pradesh : Biram sing |
| 12 | Arunachal Pradesh : Bodopati |
| 13 | Arunachal Pradesh : Bortapipik |
| 14 | Arunachal Pradesh : Bugbii-talli |
| 15 | Arunachal Pradesh : Buli |
| 16 | Arunachal Pradesh : Byako |
| 17 | Arunachal Pradesh : Byako |
| 18 | Arunachal Pradesh : Byakta |
| 19 | Arunachal Pradesh : Ching |
| 20 | Arunachal Pradesh : Chiraitateeta |

Details of Plants: *Arisaema consanguineum*

| | |
|---|--|
| <p style="text-align: center; color: green;">Plant details</p> <p>Family: Araceae</p> <p style="text-align: center; color: green;">Phytochemicals</p> <p>Saponins Aspartic Acid Leucine Phenylalanine Histidine Valine Isoleucine</p> | <p style="text-align: center; color: green;">NE-statewise availability</p> <p>Arunachal Pradesh</p> <p style="text-align: center; color: green;">Vernacular Name</p> <p>Arunachal Pradesh : Biram sing</p> |
| <p style="text-align: center; color: green;">Ailments cured</p> <p>Arrow poisoning</p> | <p style="text-align: center; color: green;">Plant parts used and methods</p> <p>Rhizome: Paste applied topically</p> |
| <p style="color: green;">Plant References</p> <p>Perme, N; et al. Medicinal Plants in Traditional Use at Arunachal Pradesh; India; International Journal of Phytopharmacy; Vol. 5 (5); 86-98; 2015.</p> | |
| <p style="color: green;">Phytochemical References</p> <p>Perme, N; et al., Medicinal plants in traditional use at Arunachal Pradesh, India. International Journal of Phytopharmacy 5.5: 86-98, 2015.</p> | |

4. Ailment List: Users can access information of medicinal plants based on the ailments treated which will direct the user to the lists of plants used in its treatment.



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LIST OF AILMENTS

| Sl. No. | Ailments |
|---------|--|
| 1 | Abdominal pain |
| 2 | Abortifacient |
| 3 | Acidity |
| 4 | Allergy |
| 5 | Amenorrhoea |
| 6 | Anaemia |
| 7 | Analgesic |
| 8 | Anti-fertility agent |
| 9 | Antidote in dog bite |
| 10 | Antidote in Scorpion sting |
| 11 | Antidote in snake bite |
| 12 | Aphrodisiac |
| 13 | Arrow poisoning |
| 14 | Arthritis |
| 15 | Asthma |
| 16 | Astringent |
| 17 | Bile complaint |
| 18 | Bleeding |
| 19 | Bleeding gums |
| 20 | Blood circulation |

1 2 3 4 5 6 7 8 9

Plant List of Ailment:Asthma

| Sl. No. | Plant Name |
|---------|--|
| 1 | Aconitum ferox |
| 2 | Albizia lebbek Benth. |
| 3 | Alstonia scholaris L. |
| 4 | Artemesia nilagirica |
| 5 | Baliospermum calycinum |
| 6 | Bauhinia variegata |
| 7 | Cassia fistula L. |
| 8 | Dolichos uniflorus |
| 9 | Euphorbia ligularis roxb. |
| 10 | Euphorbia royleana |
| 11 | Ferula narther |
| 12 | Garuga pinnata |
| 13 | Hedychiium coccineum |
| 14 | Homalomema aromatic |
| 15 | Mangifera indica L. |
| 16 | Mesua ferrea Linn. |
| 17 | Mimosa pudica L. |
| 18 | Nyctanthes arbor-tristis L. |
| 19 | Perilla ocymoides |
| 20 | Phlogacanthus thyrsoflorus Roxb. |
| 21 | Piper longum L. |
| 22 | Schyzophyllum communie Linn. |
| 23 | Stephania glabra |
| 24 | Stephania glandulifera Miers |
| 25 | Terminalia bellirica |

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4. North East State List: Users can access information of medicinal plants based on the availability in a state which will direct the user to the lists of plants present in a particular state.



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STATES OF NORTH EAST INDIA

| Sl. No. | State Name |
|---------|---|
| 1. |  Arunachal Pradesh |
| 2. |  Assam |
| 3. |  Manipur |
| 4. |  Meghalaya |
| 5. |  Mizoram |
| 6. |  Nagaland |
| 7. |  Sikkim |
| 8. |  Tripura |

Plant List of State:Nagaland

| Sl. No. | Plant Name |
|---------|--|
| 1 | Acorus calamus L. |
| 2 | Adhatoda vasica Nees |
| 3 | Aegle marmelos (L.) |
| 4 | Ageratum conyzoides L. |
| 5 | Allium ascalonicum L. |
| 6 | Allium hookeri Thw. |
| 7 | Allium sativum L. |
| 8 | Alnus nepalensis |
| 9 | Aloe vera (L.) |
| 10 | Amorphophallus campanulatus |
| 11 | Ananas comosus (L.) |
| 12 | Artemisia nilagirika Clarke |
| 13 | Artocarpus heterophyllus Lamk. |
| 14 | Azadirachta indica |
| 15 | Bambusa tulda Roxb |
| 16 | Begonia palmata D. Don |
| 17 | Bergenia ciliata |
| 18 | Bidens pilosa Linn. |
| 19 | Blumea lacera Linn. |
| 20 | Callicarpa rubella |
| 21 | Canna indica L. |
| 22 | Cannabis sativa L. |
| 23 | Capsicum spp. |
| 24 | Cardiocrinum gigantum Wall. |
| 25 | Carica papaya L. |
| 26 | Caryota urens L. |
| 27 | Cataranthus roseus (L.) |
| 28 | Cauletya spicata Sm. |
| 29 | Celosia cristatae L. |
| 30 | Centella asiatica (L.) |