

PLANTS OF MEDICO - ETHNOLOGICAL AND PHARMACEUTICAL IMPORTANCE FROM THE FLORA OF ETAWAH DISTRICT (U. P.)

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The paper presents the study of flora of Etawah district (U.P.) which includes informations regarding Medico - Ethnological and Pharmaceutical importance of Plants. These informations were gathered at the time of field study from various local inhabitants, *vaidyas* and *Haquims*. Further these informations regarding medicinal uses of plants were confirmed by consulting important references. It has been revealed that many plants of these localities were commonly utilized by Indian Pharmaceutical and Drug Industries.

Keywords : Flora Etawah; Medico - Ethnological.

At the time of field study, informations regarding medicinal uses of plants were gathered from local inhabitants, *Vaidyas* and *Haquims*. These informations were later verified by consulting important references on the subject¹⁻¹². A further perusal of

literature^{13,14} has revealed that many plants of these localities are commonly utilized by Indian Pharmaceutical and Drug Industries, plants with such value have been asterisked in the proceeding enumeration.

1. *Abrus precatorius* - Root extract : abortion, fever, white eyes of cattle; Seeds : Contraceptive.
2. *Abutilon hirtum* - Roots : fever; Leaves : soothing effect, Bark : diuretic, bleeding and secretion; Seeds : laxative.
3. *A. indicum* - Root with other ingredients : paralysis and fever; Leaf : skin soothing; Bark : diuretic, bleeding and secretion.
4. *Acalypha indica* - Root : Cathartic; Plant extract : muscular pain, gout and asthma : Leaves : laxative, scabies, snake bite.
5. *Achyranthes aspera* var. *aspera* - Root : snake bite, scorpion sting, wounds and boils; Plant : vomiting, bronchitis, piles and heart disease; Leaves stomach pain, bleeding after abortion, ease delivery.
6. *Adhatoda zeylanica* - Leaves and flower : cough.
7. *Aegle marmelos* - Paste of root and pepper : rabies attack; Leaves : eye disease; Fruit pulp : dysentery, constipation.
8. *Aerva lanata* - Plant : headache, cutaneous infection, diabetes.
9. *Ageratum conyzoides* - Leaves : cuts, sores, malarial fever, as antiseptic with oil of neem (*Azadirachta indica*).
10. *Ailanthus excelsa* - Leaves and bark : tonic for debility after delivery.
11. *Amaranthus spinosus* - Root : excessive menstruation; Plant : snake bite; Leaves : cooling, diuretic, stomach pain.
12. *A. tricolor* - Root : inflammatory discharge from genital organs, eczema.
13. *A. viridis* - Root : diuretic, soothing of skin and mucous membrane.
14. *Anagalis arvensis* - Plant extract : gout, cerebral affections, leprosy, snake bite, chronic nervous disorders, yields fist poison.
15. *Andrographis paniculata* - Plant : impure blood, asthma, swelling piles, fever, liver disorder, headache.
16. *Annona squamosa* - Root : purgative, Leaves, fruits & seeds : poisons for fish, insects and headache; Seeds : promote abortion.
17. *Argemone mexicana* - Root extract : skin disease; Plant juice : jaundice, cutaneous affection.

18. *Artocarpus heterophyllus* - Leaves : skin diseases, antidote to snake bite; Roots : diarrhoea; Ripe fruits : laxative.
19. *Averrhoa carambola* - Dry fruits; cooling, used in fever; Ripe fruits bleeding piles.
20. *Azadirachta indica* - Leaf : poultice, boils; Water boiled with leaves : antiseptic; Bark ; bitter tonic for periodic attack; Seeds : neem oil.
21. *Barleria prionitis* - Roots : Boils & glandular swelling; Leaves : catarrhal infection in children; Bark : cough.
22. *Bauhinia purpurea* - Bark : sores of small pox.
B. variegata - Flowers : laxative; Buds : diarrhoea & worms.
23. *Blumea lacera* - Whole plant dried in shade + 25% tobacco, together smoked twice daily : piles.
24. *Boerhavia diffusa* - Leaves & Root : blood purifier, cough, asthma, diarrhoea, dropsy, muscular pains, gout, chest pain, piles, snake bite, body or headache & jaundice.
25. *Butea monosperma* - Bark : snake bite; Leaves : tonic, bleeding & secretion; Flower : diuretic, sexual diseases, bleeding & secretion; Crushed seeds with curdled milk : ascaris.
26. *Calotropis gigantea* - Root bark : dysentery, induces copious perspiration & vomiting; Root powder and wine of *Madhuca Longifolia* ssp. *latifolia* : leprosy; Latex with *Euphorbia neriifolia* : purgative; Leaf preparation : scorpion sting; Flower powder : cold, cough & asthma.
27. *C. procera* - Root : fever; Leaf : fever; Sap; blistering agent; Flower powder : cold, cough & asthma.
28. *Cannabis sativa* - Plant : tonic, intoxicant, narcotic.
29. *Capparis decidua* - Root bark : paw oedema in rats.
30. *Carissa opaca* - Root : contraceptive, sores of animals.
31. *Cassia fistula* - Leaf apices : constipation, skin disease; Fruit : bowels, snake bite, muscular & joints pains.
32. *C. tora* - Leaves & seeds : ringworm & itches.
33. *Centella asiatica* - Leaves, stem, root & seeds : tuberculosis.
34. *Chenopodium album* - Plant ; laxative, intestinal worms, contains vitamin 'C'.
35. *Cissampelos pareira* - Roots : bitter diuretic, diarrhoea, cough, urinary trouble and snake bite.
36. *Cocculus hirsutus* - Root : laxative, alternative & venereal disorders, excessive urination & bed wetting; Leaf : headache.
37. *Coldenia procumbens* - Leaves : swelling of muscles & joints, pains; Fine powder of plant & fresh green seeds : boils.
38. *Corchorus capsularis* - Root & unripe fruits : diarrhoea; Leaf : laxative, stimulant tonic used in liver disorder.
39. *C. olitorius* - Leaf : tonic preparation (useful in chronic inflammation of urinary bladder & venereal diseases); Seed : purgative.
40. *C. trilobularis* - Seed : fever & obstruction of abdominal viscera, mucilage demulcent.
41. *Cordia dichotoma* - Plant : snake bite; Bark : indigestion, syphiles & fever; Fruit : bleeding, intestinal worms, soothing effect on skin & mucous membrane of urinary passage.
42. *Crateva murvala* - Fresh leaf & root bark : irritation; Bark : diuretic, antipyretic, snake bite.
43. *Cuscuta reflexa* - Stem : wounds, reddening of eyes.
44. **Cynodon dactylon* - Leaves : urinary irritation, dropsy, internal haemorrhage.
45. *Datura metel* - Leaf : fever with catarrhal & cerebral complications; antiseptic;

- Flower : asthma.
46. *Digera muricata* - Plant : laxative; Flowers & seeds : excessive urinary discharge.
 47. **Echinochloa crus - galli* - Plants : used in spleen disorder for counteracting haemorrhage.
 48. *Eclipta alba* - Plant : wound of cattle; with mustard oil : itches caused by excessive contact of skin with water; Leaf : scorpion sting, sores of shoulders caused by carrying heavy load and ear swelling in cattle.
 49. *Emblica officinalis* - Fruits : headache; with other ingredients : fever constipation; Seed : madness.
 50. *Euphorbia dracunculoides* - Fruit : skin diseases like warts.
 51. *E. hirta* - Plant : children disease, worms, cough, dysentary & colitis, bronchial infections and asthma, warts and reddening of eyes in children.
 52. *E. hypericifolia* - Leaf : bleeding, dysentery diarrhoea, excessive menstruation.
 53. *E. thymifolia* - Root : excessive menstruation, snake bite.
 54. *Evolvulus alsinoides* - Plant and other ingredients : scorpion sting.
 55. *Ficus benghalensis* - Apices & adventitious roots with other ingredients : diarrhoea, snake bite.
 56. *Fumaria indica* - Plant : diuretic, induces copious perspiration.
 57. *Glinus lotoides* - Plant : diarrhoea, constipation, boils, wounds and pain of limbs.
 58. *Gnaphalium luteo - album* - Leaf : bleeding & wounds.
 59. *Heteropogon contortus* - Oil extracted by distillation of awn with betel leaf : asthma.
 60. *Hygrophila auriculata* - Leaf : body pain swelling of body, jaundice; Seeds : tonic.
 61. *Indigofera linifolia* - Plant : fever, abnormal suppression of menses.
 62. *I. tinctoria* - Root : hepatitis, scorpion sting; Plant : bronchitis, nervous disorders; Leaf : hydrophobia.
 63. *Ipomoea aquatica* - Filterate of crushed flowers : inflamed eyes.
 64. *I. pes - tigridis* - Leaf : reddening of eyes.
 65. **Kickxia ramosissima* - Plants : remedy for diabetes.
 66. **Lantana camera* - Bark : abortifacient, contraceptive.
 67. *Launaea procumbens* : Leaf : fever in children, headache.
 68. **Leptadenia reticulata* - Plant stimulant, restorative; used in ear and nose trouble; Leaves and roots : antiseptic, also used in abortion.
 69. *Leucas aspera* - Root juice : 'Ardhashish' (Pain of half skull); Leaf juice : burning sensation & redness of eyes.
 70. *Limonia elephantum* - Root : body pain
 71. **Mangifera indica* - Leaf : Scorpion sting; Ripe fruits : laxative, diuretic, bleeding & secretion.
 72. **Martynia annua* - Seed oil : Sores & ring worms.
 73. *Melilotus indica* - Plant : tumours, coagulation of fluids in body, swellings.
 74. *Michelia champaca* - Root : purgative, menstruation irregularities; Bark : abortifacient up to 2-3 month old pregnancy; Flowers & fruits : antiseptic, tonic, renal diseases; Fruits & seeds : cracks in feet.
 75. *Mimosa pudica* - Root : diuretic, snake bite.
 76. *Momordica dioica* - Root : swollen breasts, piles, bleeding, scorpion sting; Fruit : pain in breasts.
 77. **Moringa oleifera* - Root : paralysis, intermittent fever, cardiac and circulatory tonic; Bark : abortifacient; Flowers : stimulant to promote sexual desire.
 78. **Mukia maderaspatana* - Leaf juice given in catarrhal affection; Roots masticated in toothache.

79. *Murraya paniculata* - Root : bodyache; Leaf : bleeding, secretion, diarrhoea & dysentery.
80. **Nyctanthes abrortristis* - Leaf : fever; Bark with bark of *Terminalia arjuna* : internal injuries; Inflorescence and young fruits : cough.
81. **Nymphaea nouchali* - Root : diarrhoea, piles; Flower : heart.
82. **N. pubescence* - Root : piles, dysentery; Flowers : Cardiac tonic.
83. **Ocimum basilicum* - Ripe seeds soaked in water : bring out foreign particles from eyes.
84. **Oldenlandia corymbosa* - Plant : temperature fluctuations & nervous depressions, jaundice & other liver diseases; Leaf : burning of soles and palms.
85. **Oxalis corniculata* - Plant : scurvy disease; Leaf : cooling effect.
86. **Pergularia daemia* - Leaf juice : catarrhal affection and infantile diarrhoea, uterine tonic, expectorant and emetic.
87. **Phragmites karka* - Roots : fractured bones.
88. *Phyla nodiflora* - Plant : diuretic, fever, indigestion in children and women after delivery.
89. *Phyllanthus fraternus* - Leaf with other ingredients : eruption due to allergy.
90. *Plumbago zeylanica* - Root : skin disease, diarrhoea, irritation of skin, swellings & pain.
91. *P. plebeium* - Root : bowels; Plant : pneumonia, diarrhoea & amoebiosis.
92. *Potentilla supina* - Root : tonic, fever.
93. *Pulicaria crispa* - Plant : wounds; Leaf : headache.
94. *Rumex dentatus* ssp. *klotzchianus* - Root : bleeding, cutaneous disorders.
95. **Salvia plebeia* - Seeds : diarrhoea, gonorrhoea, menorrhagia and haemorrhoids.
96. *Scoparia dulcis* - Root : excessive menstruation; Plant : digestive, malarial fever, Leaf : weakness of siemens.
97. **Sida cordifolia* - Root : wounds; with ginger : fever; Plant : spermatorrhoea; Seed : promote sexual desire, venereal disease.
98. **S. spinosa* - Root : tonic, fever, induce copious perspiration; with bark : irritability of the urinary bladder and genital disorder; Leaf : chronic discharge from urethra.
99. **Solanum nigrum* - Plant : cathartic, diuretic, hydragogus, chronic enlargement of liver, blood splitting, piles, dysentery; Young plants : skin disease; Berries : Fever, diarrhoea, eye & heart diseases.
100. **Solanum surattense* - Root : cough, asthma, caterrhal fever, pain in chest; Plant : diuretic, dropsy, gonorrhoea; Leaf : bites; Buds and flowers : watery eyes.
101. **Sonchus oleraceus* - Root and leaf : tonic, fever.
102. **Spergula fallax* - Plant : diuretic; Seed oil : pulmonary tuberculosis.
103. **Stellaria media* - Plant : intestinal, renal, respiratory and reproductive tract inflammation, soothing action on dermoid surface.
104. *Tecoma stans* - Root : snake bite & scorpion sting.
105. **Tectona grandis* - Wood oil : eczema & ring worms .
106. *Tephrosia purpurea* - Root : dyspepsia, colic pain, stomachache.
107. *T. villosa* - Root with pepper : scrotal pain; Leaf : diabetes.
108. **Terminalia arjuna* - Bark : wounds.
109. *Tinospora cordifolia* - Plant : diuretic, venereal disease & inflammatory discharge from the genital organs.
110. *Trianthema portulacastrum* - Root : bowels, suppression of menses, abortifacient; Leaf of white variety : diuretic, oedema and dropsy in case of ascites, especially due to early liver partition and Kidney condition.

111. **Tribulus terrestris* - Fruit : cooling tonic, diuretic, promotes sexual desire, painful urination, calculus affection, urinary & Kidney diseases.
112. *Tridax procumbens* - Root : fever & skin disease; Leaf : scorpion sting.
113. * *Urginea indica* - Bulb : Cardiac stimulant, diuretic, expectorant.
114. **Withania somnifera* - Root : tonic, emancipation of children, debility from old age, narcotic & diuretic.
115. **Vetiveria zizanioides* - Roots diaphoretic, stimulant, refrigerant, febrifuge.
116. **Vitex negundo* - Leaves : asthma, baldness, bladder irritation, boils, colic, dandruff, diarrhoea; Leaf-smoke ; mosquito repellent.
117. **Xanthium indicum* - Roots : cancer and strumous diseases.
118. **Zizyphus nummularia* - Leaves : scabies and boils; Smoke of dried leaves inhaled : cold and cough.

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