

International Journal of Pharmacy and Biological Sciences-IJPBS™ (2025) 15 (2): 62-90

Online ISSN: 2230-7605, Print ISSN: 2321-3272

Review Article | Biological Sciences | OA Journal | MCI Approved | Index Copernicus

Unveiling The Medicinal Wealth of Sanjay Van, New Delhi

Vidhi Sharma^{1*}, Sabahat Anjum², Shalini Varshney³, Rajesh Sharma⁴

^{1,2}PG Scholar, ³Associate Professor, ⁴Professor & HOD, Dept. of Dravyaguna Vigyan, A & U Tibbia college, Karol Bagh, New Delhi

Received: 26 Jan 2025 / Accepted: 20 Mar 2025/ Published Online: 01 April 2025 *Corresponding Author Email: modgilvidhi@gmail.com

Abstract

The Delhi Ridge, part of the ancient Aravallis, are vital to Delhi's floristic diversity, housing many wild plant species. Sanjay Van, spanning 784 acres within the southern Delhi Ridge, plays a crucial role in preserving the city's green spaces and ecosystem. Approximately 65% of India's population relies on traditional medicine, using indigenous knowledge to diagnose and treat various diseases. Managed by the Horticulture Department, Sanjay Van hosts a diverse range of medicinal plants, such as *Cassia fistula* Linn. (*Amaltas*), *Pongamia pinnata* Pierre (*Karanj/Papdi*), and Azadirachta indica A. Juss (*Neem*), among others. Therefore, it is essential to visit and document the area's floral diversity for the benefit of the wider community, including students, educators, and researchers. The paper encompasses 33 medicinal plant species across 21 families available in Sanjay Van and highlights their current status and significance, focusing on their chemical constituents, pharmacological actions such as analgesic, antipyretic, anti-inflammatory, hypoglycemic, hepatoprotective, anthelmintic, expectorant, and antioxidant properties and recent researches. With 80% of the global population relying on plant-based medicines and a shift towards herbal remedies in India, it's vital to preserve traditional knowledge, research medicinal plants, and ensure evidence-based healthcare.

Keywords

Sanjay van, Delhi Flora, Medicinal plant, Delhi medicinal plants.

INTRODUCTION

Floristic diversity of a habitat contains wild species and genetic variation useful in the development of agriculture, medicines and industry ⁱ. Delhi ridge, an extension of Aravallis which is the oldest mountain chain in India and Yamuna River and its bank are very important part of Delhi flora. Delhi ridge and Yamuna River banks are home of many wild plant species of flora of Delhi. Sanjay Van, covering approximately 784 acres, is part of the expansive southern ridge and plays a crucial role in Delhi's ecosystem. It was established to preserve Delhi's diminishing green areas.

Today about 65% of Indian population depend on the traditional system of medicine They diagnose and

cure different diseases through their own traditional knowledge. Sanjay Van, a forest managed by the Horticulture Department, have a rich repository of medicinal and other useful plants like Aralu (Aerva lanata Juss), Ingudi (Balanites aegyptiaca (Linn.) Delile), Patalgarudi (Cocculus hirsutus Linn. Diels), Desi Keekar (Acacia nilotica (L.) Delile), Khadir (Acacia catechu willd.), Khejdi/Jhand (Prosopis cineraria Druce.), Amaltas (Cassia fistula Linn), Karanj/Papdi (Pongamia pinnata Pierre), and Neem (Azadirachta indica A. Juss). The area also has thorny bushes such as Hinsra (Capparis sepiaria Linn), Karmard (Carissa carandas L.), and Saraiyak (Barleria prionitis Linn) etc. This forest, part of the Mehrauli south central ridge, has recently faced severe

Int J Pharm Biol Sci.



degradation due to the proliferation of the Prosopis juliflora tree, which is not native to the Aravalli Ranges. This invasive species has depleted groundwater levels, killed native flora, and altered the natural soil characteristics of the area. III As there is no dedicated documentation on the medicinal plants species of the Sanjay Van, undertaking a tour and recording the particular aspect of the region's floral diversity would be advantageous to the general public, students, educators, industries, and the scientific community.

Aims:

- Collection and identification of some important medicinal plants found in Sanjay Van Forest, Delhi
- 2. Preparation and authentication of herbarium specimens by relevant authorities.
- Collection and documentation of recent information about botanical names, part used, chemical constituents, pharmacological activities and recent researches conducted on available plant species from different literature sources.

MATERIAL AND METHODOLOGY Site Description

Sanjay Van is a vast urban forest located in South Delhi (28.5178° N Latitude; 77.1910° E Longitude) India. Iv It spans approximately 784 acres and is part of the South-Central Ridge, an extension of the ancient Aravalli range, which is one of the oldest mountain ranges in India. Sanjay Van is located adjacent to the iconic Qutub Minar and is encircled clockwise by the Qutub Institutional Area, Aurobindo Marg, Mehrauli-Kishangarh, and Aruna Asaf Ali Marg. It is situated at an average elevation of approximately 246 meters (722 feet) above sea level. However, the elevation within the forest may vary slightly depending on the specific terrain features and topography. Vi

Field Visit

On February 7th, 2024, an extensive field visit was conducted by the faculty members and PG Scholars of the Dravya Guna Department (Ayurvedic and Unani Tibbia College and All India Institute of Ayurveda) along with Arun Kumar (Botanist), under the expert guidance of Dr Gajendra Rao, to study various natural plant species growing in the forest. During this visit, effort was made to explore every nook and corner of the forest to locate plant species. The identification of plant species based on their characteristic features was carried out. The plant specimens were collected and pressed between blotting paper to remove moisture, and then herbarium sheets were prepared. Information

regarding their botanical names, part used, chemical constituents, pharmacological activities and recent researches conducted on available plant species was gathered from Ayurvedic literature, research papers downloaded from PubMed and Google scholar. After compiling the complete information, the data was analysed, and documented in this report.

Observation

This report is a systemic enumeration which documents 33 medicinal plant species arranged in the alphabetical order of their botanical names along with their corresponding Families and Sanskrit names. Besides it also provides information on their useful parts, chemical constituents, pharmacological activities and recent researches conducted based on available literature in the below table 1 and table 2.

Discussion

Various medicinal plant species were identified and studied during this visit, out of which 33 plant species were documented according to Ayurvedic literature for their significant medicinal properties. Of these, the majority-6 species-belong to the Fabaceae family, 3 species to the Malvaceae family, 2 species each to the Rutaceae and Acanthaceae families, and 1 species each to the Apocynaceae, Asteraceae, Balanitaceae, Combretaceae, Convolvulaceae, Capparidaceae, Euphorbiaceae, Gramineae, Meliaceae, Menispermaceae, Moraceae, Myrtaceae, Pandanaceae, Putranjivaceae, Rubiaceae, Salvadoraceae, and Ulmaceae families. Among the reported medicinal plant species, 16 were trees, 10 were shrubs, 5 were herbs, and 2 were climbers.

CONCLUSION

During the field visit, 33 medicinal plant species across 21 families were documented, all of which are utilized for medicinal purposes. These medicinal plants exhibit a wide range of pharmacological activities, including analgesic (12 species), antipyretic (5 species), anti-inflammatory (3 species), hypoglycemic (4 species), hepatoprotective (3 species), anthelmintic (9 species), expectorant (6 species), and antioxidant (5 species). Additionally, these plants were also found to demonstrate various pharmacological other properties such antimicrobial, anti-cancer, styptic, hemostatic, digestive, blood purifying, hypolipidemic, antitubercular, anti-bacterial, bronchodilator, diuretic, vermifuge, anti-fungal, purgative and cardiotonic. The World Health Organization (WHO) reports that 80% of the global population continues to rely on plant-based medicines. India, with its rich and diverse flora, being home to Ayurveda, a traditional system of medicine offers a wealth of knowledge



about medicinal plants. Due to the recent ban by the Indian government on approximately 156 fixed-dose combination (FDC) drugs for potential health risks, there has been a growing shift towards herbal remedies as people seek alternatives to modern medicines, which often have side effects. With the growing interest in herbal remedies and concerns

over the side effects of modern medicines, it's crucial to explore and preserve India's medicinal plant resources. Documenting and passing down this traditional knowledge to future generations is essential. Additionally, further research on these plants is needed to improve healthcare and enhance human well-being.

Table1. Medicinal Plant species documented during the visit.

Sr.	Botanical Name/ Sanskrit Name/ Common Name/ Family	Habit/ Part Used	Chemical Constituent	Karma (Therapeutic actions)	Pharmac- ological Activity	Recent Research
1.	Acacia arabica Willd.vii Babbul Kikar Fabaceae	Tree Root, leaves, pods, and bar	Bark yielded Catechin, Epicatechin, Quercitin, Gallic acid, Leucocyanidin gallate and Tannin. Gum contains Galactose, L- rhamnose & L- arabinose.	Grahi, Krimighna, Kaphaghna, Kushtaghna, and Vishaghna. Vishaghna	Analgesic, Styptic, Anti-microbial Hypoglycaemic Anti-cancer	In an in-vitro experiment, the polymeric component of aqueous extracts of gum acacia was found to have hemostatic properties and hasten blood coagulation by shortening of activated partial thromboplastin time and prothrombin time and were non-cytotoxic in nature. It also showed antibacterial activity against organisms known to be involved in wound infections with MIC ranging from 500-600 µg mL for GA thus showing it's utility in wound
2	Acacia catechu willd.× Khadir	Tree Bark, Stem,	10% of acacatechin, quercitin, gum quercitrin	Ruchivardhak a, Dantdardhyak ar, Kasaghna Medoghna,	Haemostatic Digestant Anti-microbial Astringent Blood purifier	management. ix Methanolic extract of this plant was found to have antimicrobial



	Kattha Fabaceae (Mimo- soideae)	Heartwoo d(sara)		Krimghna, Mehhara, Jwarhar, Shothaghna, Kushtaghna, Raktashodha, Kaphaghna Kandughna and Vranaropaka ^{xi}		activities against six species of pathogenic and non-pathogenic microorganisms: S. aureus, Bacillus subtilis, Staphylococcus aureus, Salmonella typhi, Escherichia coli, Pseudomonas aeruginosa and Candida albicans ^{xii}
3	Abutilon indicum Linn ^{xiii} Atibala Amarantha ceae	Root, bark, flowers, leaves and seeds	Asparagin	Balya, Kantikar, Snighdha, Grahi, Vatahara, Raktapittahar a, Raktadoshnas hak, and Vranaropak*iv	Anti- inflammatory, Antibacterial Anti-tubercular Antioxidant, Hepatoprotectiv e, Hypoglycaemic	In an in-vitro Chloroform fraction of alcoholic extract of whole plant of Abutilon indicum extract was found to be most effective against Staphylococcus aureus followed by Bacillus sublitis whereas in case of Gramnegative bacteria, extract was found to be most effective against Escherichia coli showing the maximum zone of inhibition followed by Pseudomonas aeruginosa.xv In an in-vitro experiment, Bioactive components present in the ethanolic leaf extract of A.indicum shows good anti-





inflammatory and antiproliferative activity based on 5-Lipoxygenase (5-LOX) inhibition assay. lt has also shown antiproliferative activity on human Caucasian lung carcinoma of A549 cell line.xvi

Adhatoda Shrub vasica Leaves, ^{xvii}Nees roots. flowers Vasa Acanthace and stem ae bar

Leaves contain quinazoline derivatives such as vasicine, vasicinone, Bsitosterol, Kaempferol, 1peganine, Aadhatodine, Vasicolinone and Anisoline.

Vatakarak, Hridya, Raktashodhak а, Raktastambh ana, Shleshmahara Pittahara Kasahara, Shwasahara, Kanthya, Mootrajanana Svedajanana,

and

xviii

Vasicine, the main alkaloid of Adhatoda vasica showed potent antiinflammatory activity at a dose of 50 μ /pellet equivalent to that of hydrocortisone when evaluated in-vitro by the modified hen's egg chorioallantoic membrane test.xix Vasicine acetate and 2-acetyl benzylamine isolated from hexane extract of A.vasica leaves was found to be significantly inhibit M. tuberculosis and one multi-drugresistant (MDR) strain and one sensitive strain 200 and 50μg/ml, respectively.xx а study In

Jwaraghna, Pramehahar, Trishnahara , Kshayahar Kushthaghna

Bronchodilator

Expectorant

Abortifacient

conducted

on





rats, rabbits, hamsters and guinea pigs; it was found that vasicine has uterotonic and abortifacient effects possibly enhancing the synthesis and release of prostaglandins. In this study dose dependent effect was observed with effective doses ranging between 2.5 to 10 mg/kgxxi

5 Herb Aerva lanata Juss.xxii Roots, Gorakshga Dried nja Leaves and Gorakhbuti Amarantha **Flowers** ceae

Plant contains a-Amyrin, Campesterol, b-sitosterol, bsitosteryl palmitate chrysin, Aervin, ecdysone, Aervitrin, Aervolanine, Aervoside and Amysine.

Shothahara, Vedanasthapa na, Jantughna, Stambhana, Hridya, Raktashodhak b-Raktastambh ana, Shleshmahara Kasahara, Shwasahara , Kanthya, Mootrajanana Svedajanana, Jwaraghna, and

Kushthaghna

Lithotripsic Antiinflammatory Suppurative Diuretic Vermifuge

In an in-vivo study conducted on rats, new hydrogenated naphthol isolated from methanolic extract of the flowers of the Aerva lanata (L.) showed Antiurolithiatic activity by reducing the deposition of calcium oxalate crystals by increasing their solubility and restoring the normal renal architecture.xxiii

The HIV-RT inhibitory activity of **Phytotesrols** prepared by Sequential maceration method, extracted from roots of Aerva lanata was



						found to be remarkable thus showing Anti- HIV activity ^{xxiv}
6	Ailanthus excelsa Roxb ^{xxv} Aralu Ghoda neem Simarubac eae	Tree Stem Bark	Quassinoids, alkaloids, flavonoids, terpenoids, and proteins	Twagdoshaha ra, Vranshodhan a Deepana, Pachana, Grahi, Krimighna, Raktashodhak a, Raktastambh ana, Kasahara, Sandhaneeya, Yonidoshahar a, Jwaranashaka , Lekhana, Madhuryanas haka and Vishaghna	Anti-fungal Anti-fertility Anti-pyretic Anti- inflammatory Analgesic activity	In an in-vitro study, it was found that the ethyl acetate extract of Ailanthus excelsa bark showed significant antifungal activity against fungal strains A. terrus, A. niger and A. flavus at 1 mg/ml when investigated using cup plate method of experiment. **xvi* In an in vivo study conducted on rats, hydroalcoholic extract of stem bark of Ailanthus excelsa Roxb (Simaroubaceae) showed strong antifertility effect measuring upto 72% antiimplantatio n and 56% abortifacient
8	Azadiracht a indica A. Juss ^{xxviii} Nimba Neem Meliaceaa 503	Tree Leaves	Leaves contain Nimbin, Nimbinene, Nimbandiol, Nimbolide, Quercitin, g- sitosterol, Azadirone, Azadiradione and Azadirachtin. Bark has Nimbin,	Krimighna Vranapachan a Vranashodha na, Grahi, Ahridya, Vatahara, Shramhara, Trishnahara, Kasahara, Jwarahara, Rochana,	Anti- inflammatory Antipyretic Hypoglycemic Antifungal, Antibacterial	activity*xxvii Neem leaf extract (NLE)in the dose of 125 mg/kg body weight showed significant reduction in inflammation at 3 rd and 4th hour when tested upon paw edema (carrageenin



9

Balanites

(Linn.)

Ingudi

Hingot

ae

Balanitace

Delilexxxi

aegyptiaca

Tree

Roots,

Bark,Fruit

Nimbinin, Pittaghna, infused) in rat Nimbidin, Kushthaghna showing thus Margolone remarkable and and Pramehaghna Anti-Margolonone. inflammatory Seeds contain activity.xxx Nimbin, Nimbidin, In an in-vivo Azadirachtin, experiment NLE Chloro- genic in the dose of acid, Salanin 125mg/kg body and 4wt. showed Epinimbin. significant **Flowers** antipyretic effect when possess Nimbosterol, tested on Myricitin and Brewer's yeast induced pyrexia Kaempferol. in Albino rats while using Paracetamol as the referencestanda rd drug 23 Anthelmintic Fruit contains ,Bhootadi In an in-vitro experiment, the Diosgenin, grahbadhanas Antibacterial Cryptogenin, hak, **Purgative** alcoholic extract Leaves contain Vranaropana, Antifungal Balanites aegyptiaca fruit Saponin Krimighna, Antiof diosgenin, Vishaqhna hyperglycaemic showed total Stigmasterol. Shweta-Spasmolytic mortality at 5 Stem bark has kushthaghna, **Emetic** hours at 125 Deltonin, Vishaghna, Hepatoprotectiv mg;ml Protodeltonin, and concentration e Shoolaghna Saponin, against xxxii Marmesin and amphistome Paramphistomu Syringic acid. m Cervi suggesting potential Anthelminthic properties.xxxiii Administration of the aqueous extract of fruit pulp to biliary duct-ligated rats showed a dosedependent significant decrease in serum bilirubin

level.xxxiv



10	Bambusa arundinace a Willd. ^{xxxv} Vansh Bans Gramineae	Shrub Root, Dried Resin, Tender Shoots	Root contains Silica, Betain, Potash, Peroxide of Iron and Cyanogenetic glycosides. Vamsalocana has Silica, Iron peroxide, Potassium, Aluminium and Glycosides	Bastishodhan a, Chedana, Kaphaghna, Pittaghna, Kushtaghna, Shothhara, Raktashodhak a, Vranaropak xxxvi	Expectorant Haemolytic Antipyretic Analgesic Anti- inflammatory Ulcer healing	Methanolic extract of Bambusa arundinacea leaves has shown the great antiradical scavenging, metal chelating and nitric oxide scavenging capacity with phenolic content upto 14.6 mg gallic acid equivalent/g powder.xxxviii In an in vitro GC-MS analysis, Bambusa arundinaceae leaves showed considerable antimicrobial activity and heamolytic activity against human blood erythrocytes (RBCs) and the % lysis of RBCs was found to be in the range of 1.03 to 4.81.xxxviiii
11	Barleria prionitis Linn. ^{xxxix} Saraiyak Katasareya Acanthace ae	Shrub Leaves, stems, roots, bark, and flowers	Alkaloids, β- Sitosterol, Potassium	Kushtaghna, Kandughna, Vishaghna, Keshranjan,Ka phaghna and Vatraktanash ak ^{xl}	Antipyretic Anti- inflammatory Expectorant Analgesic Anthelmintic	Methanol — water extract of Barleria prionitis Linn. exhibited significant anti-inflammatory activity against different inflammagens like carrageenan, histamine and dextran and when tested in adrenalectomis ed rats, it showed inhibition of





vascular permeability and leucocytes migration into the site of inflammation while using Ibuprofen as a standard reference drug.xli In an In vitro experiment Ethanolic and aqueous extracts of whole plant exhibited paralysis in lower doses (50, 75 and 100 mg/ml) and also triggered death higher at concentration of 100 mg/ml against Pheretima posthuma worms.xlii

12	Capparis
	sepiaria
	Linn. ^{xliii}
	Hinsra
	Heensa
	Capparidac
	eae

Cannaric

Shrub Fruits and Roots Leaves contain a & b amyrin, Taraxasterol, Erythrodiol, Betulin and bsitosterol.

Root contains Alkaloids, Glycosides, Anthocyanins, Fla- vonoids, Octacosanol and a Triterpene alcohol. Shothhara, Bloc Deepana, Ant Rochak, nic, Vednasthapan a, Pittastravaka, Hridyauttejak, Raktashodhak , and

Jwarahara

Blood purifier, Antidiabetic, To nic, Appetize

Ethanol extract of Capparis sepiaria leaves produced hypoglycemic effect at various dose levels 100, 200 and 300 mg/kg in the streptozotocin induced diabetic rats which was also compared with the standard glibenclamide at 10 mg/kg dose. after 12 h of treatment, maximum fall of plasma glucose level 9.40%; 13.57%; 15.25%



13	Carissa carandas L. ^{xlv} Karmard Karonda Apocynace ae	Shrub Fruits, Roots, Leaves, Latex	Glycosides and â- Sitosterol	Kaccha Phal: Ruchya, Raktapittakar ak and Kaphvardhak Pakke phal: Rochana, Pitaghna and Vataghna. xlvi	Cardiac tonic Anti- tubercularAnthe Iminthic Antimicrobial Histamine releasing activity	and 18.80% was observed.xliv The ethanolic extract of roots of C. carandas exhibited cardiotonic activity and lowered the blood pressure at the dose 45 mg/kg in normal rats.xlvii The fruits extract of C. carandas causes earthworm (Pheretimap osthuma) paralysis and also its death after some time when tested in vitro at different concentrations (50, 100, and150 mg/ml) in solvent petroleum ether (60-80), ethanol and chloroform
14	Cassia fistula Linn.xlix Aragwadh Amaltas Fabaceae (Caesa- Ipinioideae)	Tree Root bark, leaves, flowers, fruit pulp	Pod pulp-Anthraquinon e, sucrose, lignoceric acid, amino acids Root bark - Anthraquinon e derivates, sennoside A&B, Fistucacidin, g-sitosterol, Volatile oil. Stem bark and Leaves - Rhein glycoside.	mak	Purgative Febrifuge Anti- inflammatory Antioxidant Anti-microbial	All the extracts from the flower of Cassia fistula exhibited antibacterial activity against Gram-positive organisms with minimum inhibitory concentrations (MIC) between 0.078 and 2.5 mg/ml and only Pseudomo nas aeruginosa among the Gram-negative bacteria other than this antifungal activity against Trichophyton

mentagrophytes



(MIC 0.5 mg/ml) and Epidermophyto floccosum (MIC 0.5 mg/ml) were also observed.li Aqueous suspension of sun dried (SD) and Non sun dried (NSD) were administered orally in rats 60 min before experiment, both SD and NSD in the dose 1.0 of g/kg showed increase in the number of defecations and fecal output 4 hour after treatment, only difference was that the stool was semisolid with SD and semisolid and watery with NSD.lii Methanol

occidentali s Linn.^{IIII} Kaasmarda Kasonda Fabaceae (Caesalpini oideae)

Cassia

15

Herb C Leaf, seed, c roo g r r

Chrysophanol, emodin, glycosides, physcion and miner- als like Calcium, Phosphorous, Iron.

Ruchivardhak a, Vrishya, Pachak, Kanthshodhak a, Grahi, Kasaghna, Vishaghna Raktadoshana shak, Kaphaghna, Vataghna,

Thermogenic
Purgative
Expectorant
Febrifuge
Antiinflammatory
Anti-allergic

(MeOH) extract of dried seeds of occidentalis evaluated was against three respiratory tract pathogens i.e. Staphylococcus aureus MTCC 1144, Streptococcus pneumoniae MTCC 655 and Streptococcus pyogenes MTCC 442 using Amoxicillin as positive control determine





the sensitivity of the strains and it showed the zone of inhibition ranged between 20.9±0.21 23.1±0.15 mm, thus corroborating the traditional use of it in the treatment of respiratory tract infection.lv In an in-vivo model of ovalbumin (OVA)-induced asthma mice, anthraqui nones (AQs) extracted from C. occidentalis was found to decreased inflammatory cell counts and production of cytokines Th2 (IL-4, IL-5 and IL-13) in bronchoalveolar lavage fluid, and OVA-specific IgE in serum, thus showing promising ethnopharmaco logical use.lvi

16	Citrus	Shrub
	medica	Fruit,
	Linn. ^{lvii}	leaves,
	Matulunga	bark
	Bijoura	
	Rutaceae	

Fruit contains campesterol, Stigmasterol, Sitosterol and Cholesterol. Deepana,
Hridya
Kanthya,
Hridyashodha
n,
Shwasahara,
Kasahara,
Rochaka,
Trishnahara

Anthelminthic
Analgesic
activity
Antinociceptive
and Antiinflammatory
Cardiac
stimulant
Haemostatic
Antiinflammatory
Antioxidant
Hypoglycaemic

In а study, carried out using male albino rats (150-200g), flavonoids and phenolic compounds found in decoction of C. medica Linn.fruits showed

significant





analgesic effect, when given in three different doses (1, 2 and 4ml/kg p.o.), analgesic effect of 4ml/kg decoction was observed comparable to the standard drug Diclofenac sodium (10mg/kg i.p).lix Citron peel alcoholic extract (subjected to cold extraction using 70% alcohol) exhibited significant antinociceptive and antiinflammatory activities in an in-vivo Carrageenan induced rat paw model edema and in vitro HRBC membrane stabilization assay.lx

17	Cocculus
	hirsutus
	Linn. Diels ^{lxi}
	Patalgarud
	i
	Jalajamani
	Menisperm
	aceae

Climber Bark, Leaves, Heartwoo d, Seeds Root has alkaloids like Shaheenine, Cohirsinine, Hirsutine and Corsitinine. It also contains Tannin.

Vrishya, Kaphaghna and Vataghna^{lxii} Immunomodula tor Antiinflammatory Aphrodisiac Antioxidant and Antiatherogenic activities Anti-diabetic

In an in-vivo the study aqueous leaf extract of C. hirsutus (250, 500, and 1000 mg/kg, p.o.) showed significant (P < 0.01) reduction of serum glucose level in alloxan-induced diabetic mice. In oral glucose tolerance test, aqueous extract of C. hirsutus increased the

glucose tolerance.^{lxiii}



In an in-vivo experiment, Ethanolic extract of Cocculus hirsutus leaves showed significant decrease in symptoms of formaldehyde Induced arthritis in rats. Ixiv 18 Croton Tree The seeds Rechana, Anthelmintic In vitro tiglium Seeds yield fatty oil Pittaghna and **Purgative** antitumor Linn.lxv Kaphaghna.^{lxvi} composed Insecticidal experiments Jaipal principally of showed that C. Anti-tumour Jamalgota stearin, Thermogenic tiglium essential Euphorbiac Palmitin, treatment Digestive oil Glycerides of eae Carminative significantly Crotonic and Antiinhibited the Tiglic acids, inflammatory proliferation proteins 18%, Expectorant and migration of glucoside Irritant A549 cells, а called disrupted the crotonoside cell cycle and also have and process, alkaloids. reduced the expression levels of cyclin A, cyclin B and CDK1. Ixvii Percent efficacy capsulized of Croton tiglium seeds on Ascaridia galli/Heterakis gallinarum 200 mg and 400 mg was found to highly be effective on 12th day when tested on the gastrointestinal parasites of native chickens (Gallus domesticus) in an experiment following а complete



20	Eclipta alba Hassk ^{lxix} Bhringraj Bhangra Asteraceae	Herb Leaves, stem, root	Leaves - ß-terthienyl-methanol, stigmasterol, ß-amyrin, Desmethyl wedelolacton e glucoside Amino acids-cystine, glutamic acid, phenylalanine, tyrosine and methionine. Whole plant - Phytosterol-A, x-amyrin, Wedelolacton e, Triterpenic acid, desmethyl wedelolacton e, fatty acids like-palmetic, stearic, oleic and linoleic acids, nicotine. Root - Hentriacontan ol, 14-heptaosanol, stigmasterol	Kaphaghna, Vataghna, Keshya, Twachya, Chakshushya, Shwashara, Kasahara, Krimighna, Dantya, Rasayan, Balya, and Kushtaghna, Netrarogahara a, Shirorogahara	Antihepatotoxic Antiviral Antibacterial Analgesic Antileprotic Anti-catarrhal Hair growth promotor	randomized design. Neviii Hexane extract of Eclipta alba showed high antibacterial activity against S.aureus, B.cereus, E.coli, S.typhi, K.pneumoniae, S.pyogenes and P.aeruginosa when investigated invitro using agar well diffusion methods and compared with standard antibiotics (Ciprofloxacin 25 µg/ml). Nexi In an in-vivo experiment, Alcoholic extract of Eclipta alba is known to exhibit protective effect on experimental liver damage in rats and mice by showing 72.8% reduction of hepatic lysosomal acid phosphatase and restoration of alkaline phosphate. Nexiii
21	Ficus glomerata Roxb. ^{lxxiii} Udumbara Gular Moraceae	Tree Leaves, Fruit, Bark, Latex	β-Sitosterol, Lupeol Acetate and Carbohydrates	Varnya, Vranaropana, Vranashodha n, Pittaghna, Kaphaghna and Raktvikaranas hak ^{lxxiv}	Astringent Anthelmintic Anti-diuretic	The crude extracts of bark showed anthelmintic activity when evaluated using adult earthworms; they exhibited a dose-dependent inhibition of



spontaneous



motility (paralysis) and evoked responses to pin-prick, which was comparable with that of 3% piperazine citrate suggesting wormicidal activity. Ixxv 22 Grewia Shrub Fruit contains Brihana, Anti-bacterial Ethanol extracts Vishtambhak, Anti-diabetic asiatica Leaves, Tannin, of Grewia L. lxxvi roots, Leucanthocya Jwarahara, Hypotensive asiatica leaves Parushaka bark. Kshayahara, Anti-cancer showed more nins, Leysin, Phalsa Proline, Vataghna, Antisignificant Malvaceae Glutaric acid, Raktadoshana inflammatory (p<0.01)Arabinose. shak. Hridva. Analgesic reduction in Quercitin and Dahashamak activity blood glucose Glucose. and level compared Pittaghna^{lxxvii} Bark to the control has Triterpenoidusing erythroodiol, glibenclamide as Taraxerol, Bstandard (10 mg/kg b.w. p.o.) sitosterol, Lupeol, in an in-vivo Betulin, study conducted Friedelin and alloxan on **B-Amyrin** induced diabetic Bark has Wister rats. Ixxviii Triterpenoid-In an in-vivo erythroodiol, study, the Taraxerol, Bmethanolic sitosterol, extract of Lupeol, Grewia asiatica Betulin, (MEGA) and Friedelin and aqueous extract **B-Amyrin** of root bark of asiatica G. exhibits peripheral and central analgesic effec,t which was studied using acetic acidinduced writhing in mice and antiinflammatory activity, which was investigated



						using carrageenan induced paw oedema in rats. xxix
23	Helicteres isora Linn. bxx Avartani Marodphal i Sterculiace ae	Shrub Fruits and Roots	Fruits have a and b-amyrins, Friedlin, Lupeol, Taraxerone and Lactic acid. Seed contains Diosgenin. Roots have Cucurbitacin B and Iso Cucurbitacin B.	Pittaghna, Vatghna, Jwarahara, Raktavikarnas hak, Bhutaghni, Rakshoghni, Kushtaghna, and Kasaghna. Ixxxi	Vermifuge Astringent Anti-spasmodic Haemostatic Anti-diabetic Anti-cancer Anti-oxidant	In an in-vitro study, Antioxidant activity of the phenolic extracts from H. isora fruits was seen to be done by inhibition of reactive oxygen mediated erythrocyte cell lysis and metal ion chelating activity. boxxii Anti-spasmotic activity of the fruits of the helicteres isora was checked in vitro on guinea-pig ileum against acetylcholine, histamine and diphenhydramin e and was found to be significantly comparable to atropine and diphenhydramin e hydrochloride (standard
24	Holoptelea integrifolia Planch. ^{lxxxiv} Chirabilva Kanju Ulmaceae	Tree Barks and Leaves	Bark contains Holoptelin A & B, Friedelin, Epifriedelinal and ß- cytosterol. Leaves have Hexa Cosanol, Octacosanol, B-Cytosterol and ß-amyrin. Seeds yielded Aminoacids, fatty acids,	Arshohara, Vamaghna, Pittaghna, Krimighna, Pramehghna, and Kushthaghna,	Carminative Anti- inflammatory Anthelmintic Urinary astringent Laxative	drug). hxxiii Methanolic and aqueous extracts of the Holoptelea integrifolia stem bark against adult earthworm Pheretima posthuman showed dose dependent anthelminthic activity was



significantly



Palmitic acid and ß-Sitosterol.

comparable to standard the drug i.e. **Piperazine** citrate. Ixxxvi Aqueous (@ 500 mg/kg), ethanolic (@ 500 250, mg/kg)and methanolic (@ 100, 500 mg/kg) leaf extract of H. integrifolia showed а significant inhibition of paw oedema formation carrageenaninduced paw oedema test thus supporting antiinflammatory activity

25 Murraya Tree koenigii (L.) Leaves Spreng.

Kaidarya Kadi Patta Rutaceae Leaves contain Koenidien, Mahanine, Cyclomalanimi cine and Koeine isomahanimbi ne. Leaves and fruits contain volatile oil. Root contains Carbazole and Keoline Stem bark has Bimahanine, C arbazole.

Dipana,
Pachana,
Sanjanasthap
ana, Keshya,
Twachya,
Krimighna,
Netrya,
Vednasthapan
a and
Anulomana.

Anti-microbial Anti-diarrhoeal Anti-cancer Anthelmintic Antiinflammatory Analgesic activity The alcohol extract of stem bark (1 gm/kg body weight) showed very promising antiinflammatory results in carrageenaninduced inflammation in rats and Ethanolic extract of M. Koenigii (300 and 400 mg/kg) also showed antihistaminic actions in the histamineaerosol $protocol^{lxxxix} \\$ The n-hexane extract of the seeds of Murraya





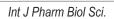
koenigii Spreng (Rutaceae) exhibited significant inhibitory activity against castor oil-induced diarrhoea and PGE (2)-induced enteropooling in rats.xc

Pandanus Shrub odorotissi Flower, mus Linnxci Leaves, Ketki flower Kewara Fundanace ae

Essential oil *Chakshushya* and *Kaphaghna* ^{xcii} Anti-diuretic Clastogenic Antiinflammatory CNS stimulant Anticholinergic

The ethanol (37.03% inhibition) and aqueous extracts (63.22% inhibition) of prop roots of **Pandanus** fascicularis (P. fascicularis) Lam (pandanaceae) produce significant antiinflammatory activities in carrageenaninduced edema of the hind paw of rats and found to be nearly equivalent that of 10 mg/kg of indomethacin (67.81%)xciii In an in-vivo experiment, the ethanol and aqueous extracts of the prop roots of **Pandanus** fascicularis and ADH (Standard) significantly impaired the total urine output in rats following oral

administration.





pinnata Pierre*** Raranja Leaves Roranja Roranja Leaves Roranja Leaves Roranja Pierre** Roranja Roranja Leaves Roranja Pabaceae Roranja Pabaceae Roranja Pabaceae Roranja Pabaceae Roranja Pabaceae Roranja Roranja Pabaceae Roranja Roranja Pabaceae Roranja	27	Pongamia	Tree	Oleic, stearic,	Yonirogahara,	Antipyretic	The methanol
Karanja Karanja karanja papai Fabaceae Rabaceae Rabace		•		•	Udavartahara		extracts of
Behenic, and eicosenoic Arshoghna, Insecticidal Antibacterial Significant in reducing yeast-induced elevated body temperature in rats in a dose dependent manner, it's effect at 200mg/kg body wt. was parallel to that of the standard anti-pyretic drug paracetamol*** P. pinnata ethanolic extract and aqueous extract showed significant (P < 0.001) antidiabetic activity in alloxan-induced diabetic albino rats when compared with gilbenclamide (600 µg/kg b. wt.)** Shami Fabacea Shami Shami Fabacea Shami S					=		· -
Fabaceae eicosenoic acids Arshoghna, Krimighna, Land Kaphahara****		-	Leaves	•	_	• •	· ·
Fabaceae acids Vranaropana, Krimighna, "and Krimighna, "and Kaphahararicol elevated body temperature in rats in a dose dependent manner, it's effect at 200mg/kg body wt. was parallel to that of the standard anti-pyretic drug paracemonicoli extract and aqueous extract showed significant (P < 0.001) antidiabetic activity in alloxan-induced diabetic albino rats when compared with glibenclamide (600 μg/kg b. wt.) with glibenclamide (600 μg/kg b. wt.		•					
Rechair Rech					•		
Aphabara Rectant Rec		rabaceae		acius	· · · · · · · · · · · · · · · · · · ·	Antibacteriai	
Raphahara Rap					=		_
elevated body temperature in rats in a dose dependent manner, it's effect at 200mg/kg body wt. was parallel to that of the standard anti-pyretic druge paracetamolic extract and aqueous extract showed significant (P < 0.001) antidiabetic activity in alloxan-induced diabetic albino rats when compared with gilbenclamide (600 µg/kg b. wt.)**Compared with gilbenclamide					•		
temperature in rats in a dose dependent manner, it's effect at 200mg/kg body wt. was parallel to that of the standard anti-pyretic drug paracetamolifus pyretic drug paracetamolifus extract and aqueous extract showed significant (P < 0.001) antidiabetic activity in alloxan-induced diabetic albino rats when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with glibenclamide (600 µg/kg b. wt.) swell properties when compared with							
dependent manner, it's effect at 200mg/kg body wt. was parallel to that of the standard anti-pyretic drug paracetamo πνοι P. pinnata ethanolic extract and aqueous extract showed significant (P < 0.001) antidiabetic activity in alloxan-induced diabetic albino rats when compared with glibenclamide (600 μg/kg b. wt.)μεντιί (600 μg/kg b. wt.)με							temperature in
Prosopis Tree Tannin rich Rechan, antidiabetic activity in alloxan-induced diabetic albino rats when comparade with glibenclamide (600 μg/kg b. wt.) www. was parallel to that of the standard anti-pyretic drug paracetamolice extract and aqueous extract showed significant (P < 0.001) antidiabetic activity in alloxan-induced diabetic albino rats when comparade with glibenclamide (600 μg/kg b. wt.) www. worder when							rats in a dose
effect at 200mg/kg body wt. was parallel to that of the standard antipyretic drug paracetamol ^{voii} P. pinnata ethanolic extract and aqueous extract showed significant (P < 0.001) antidiabetic activity in alloxan-induced diabetic albino rats when compared with glibenclamide (600 µg/kg b. wt.) ^{voiii} 28 Prosopis Tree Tannin rich Kechan, Kaphapha, Linn, xiik Pods volatile fatty Shami Fabaceae Pods volatile fatty Shwashara, Kushtaghna, Arshoghna, Anticonvulsant decreased the duration of immobility time in Forced swim test (FST) when tested on mice and was found to be comparable to that of							
200mg/kg body wt. was parallel to that of the standard anti- pyretic drug paracetamolicoli P. pinnata ethanolic extract and aqueous extract showed significant (P < 0.001) antidiabetic activity in alloxan-induced diabetic albinor rats when compared with glibenclamide (600 μg/kg b. wt.)**cviiii 28 Prosopis spicigera Linn.**cis spicigera Linn.**cis Pods volatile fatty Shami Fabacea							•
wt. was parallel to that of the standard antipyretic drug paracetamol ^{scoil} P. pinnate ethanolic extract and aqueous extract showed significant (P < 0.001) antidiabetic activity in alloxan-induced diabetic albino rats when compared with glibenclamide (600 µg/kg b. wt.)** **Prosopis*** Tree Tannin rich Rechan, Kaphaghna, Sphami** Fabacea** **Pods*** Foliage, Vaphaghna, Antidepressant Shwashara, Kushtaghna, Arshoghna, Antidepressant at doses of 200 mg/kg significantly decreased the Arshoghna, Antionvulsant and Krimighna,** **Rechan, Kaphaghna, Antidepressant Shwashara Shwashara, Kushtaghna, Antidepressant Antionvulsant and Krimighna,** **Rechan, Kaphaghna, Antidepressant Shwashara Shwashara, Muscle relaxant Antipyretic and was found to be comparable to that of the comparable to that							
to that of the standard anti- pyretic drug paracetamol ^{scoil} P. pinnata ethanolic extract and aqueous extract showed significant (P < 0.001) antidiabetic activity in alloxan-induced diabetic albinor rats when compared with glibenclamide (600 µg/kg b. wt.)**coviii Rechan, Analgesic The leaf extract at doses of 200 mg/kg Shwashara, Shwashara, Shwashara Shwashara Muscle relaxant Artiorvulisant Artiorvulisant Artiorvulisant Artiorvulisant and Krimighna,** Anticonvulsant Artiorvulisant in Forced swim test (FST) when tested on mice and was found to be comparable to that of the standard anti- pyretic drug paracetamol ^{scoil} P. pinnata ethanolic extract and aqueous extract showed significant (P < 0.001) antidiabetic activity in alloxan-induced diabetic albinor rats when compared with glibenclamide (600 µg/kg b. wt.)**coviii Antidepressant Antidepressant Antidepressant Antidepressant Antidepressant Antidepressant Antidepressant Antidepressant at doses of 200 mg/kg significantly Antidepressant Antidepressant Antidepressant Antidepressant Antidepressant Antidepressant at doses of 200 mg/kg significantly at doses of 200 mg/kg significantly Antidepressant Antidepressant at doses of 200 mg/kg significantly at doses of 200 mg/kg significantly and Antidepressant at doses of 200 mg/kg significantly at doses of 200 mg/kg significant							
Standard anti- pyretic drug paracetamolixerii P. pinnata ethanolic extract and aqueous extract showed significant (P < 0.001) antidiabetic activity in alloxan-induced diabetic albino rats when compared with glibenclamide (600 µg/kg b. wt.)** wt.)**cviii P. pinnata ethanolic extract and aqueous extract showed diabetic albino rats when compared with glibenclamide (600 µg/kg b. wt.)**vcviii P. pinnata ethanolic extract and aqueous extract showed significant (P < 0.001) antidiabetic activity in alloxan-induced diabetic albino rats when compared with glibenclamide (600 µg/kg b. wt.)**vcviii P. pinnata ethanolic extract and aqueous extract showed significant (F < 0.001) antidiabetic activity in alloxan-induced diabetic albino rats when compared with glibenclamide (600 µg/kg b. wt.)**vcviii Antidepressant showashara Shwashara Shwashara Shwashara Shwashara Antidepressant significantly decreased the duration of immobility time tested on mice and was found to be comparable to that of							
Prosopis Tree Tannin rich Rechan, Kaphaghna, Shami Fabaceae Pods Shami Fabaceae Fabac							
P. pinnata ethanolic extract and aqueous extract showed significant (P < 0.001) antidiabetic activity in alloxan-induced diabetic albino rats when compared with glibenclamide (600 µg/kg b. wt.)xcoiii 28 Prosopis Tree Tannin rich Rechan, Kaphaghna, Arshoghna, acid. Shwashara, Kushtaghna, Arshoghna, and Krimighna,c Anticonvulsant immobility time in Forced swim test (FST) when tested on mice and was found to be comparable to that of							
ethanolic extract and aqueous extract showed significant (P < 0.001) antidiabetic activity in alloxan-induced diabetic albino rats when compared with glibenclamide (600 µg/kg b. wt.)** 28							
extract and aqueous extract showed significant (P < 0.001) antidiabetic activity in alloxan-induced diabetic albino rats when compared with glibenclamide (600 μg/kg b. wt.)** 28 Prosopis Tree Tannin rich Rechan, Kaphaghna, Antidepressant Leaves, Foliage, Kaphaghna, Shami Fabaceae							P. pinnata
aqueous extract showed significant (P < 0.001) antidiabetic activity in alloxan-induced diabetic albino rats when compared with glibenclamide (600 μg/kg b. wt.)*cvviii 28 Prosopis Tree Tannin rich Rechan, Kaphaghna, Antidepressant at doses of 200 Linn.*xcix Pods volatile fatty Kashara, Shwashara mg/kg Shami Fabaceae Arshoghna, Antipyretic decreased the Krimighna, C in Forced swim test (FST) when tested on mice and was found to be comparable to that of							ethanolic
Showed significant (P < 0.001) antidiabetic activity in alloxan-induced diabetic albino rats when compared with glibenclamide (600 µg/kg b. wt.)** Spicigera Leaves, foliage, Linn.**Cix Pods volatile Shami Fabaceae Fabaceae Rechan, Analgesic The leaf extract Antidepressant at doses of 200 Shwashara, Shami Fabaceae Kashara, Shwashara, Muscle relaxant significantly decreased the Arshoghna, and Krimighna,** Kushtaghna, Anticonvulsant and immobility time in Forced swim test (FST) when tested on mice and was found to be comparable to that of							
Sami Fabaceae Prosopis Shami Fabaceae Rechan, Kashara, Shwashara, Fabaceae Kashara, Shwashara, Kashara, Shwashara, Kashara, Shwashara, Kashara, Kashara, Shwashara, Kashara, Kashar							
28 Prosopis Tree Tannin rich Rechan, Kaphaghna, Linn.xcix Pods volatile fatty Kashara, Shwashara mg/kg Shami Fabaceae Fabaceae Rechan, Kaphaghna, Antidepressant at doses of 200 mg/kg significantly decreased the Krimighna, c Anticonvulsant and Krimighna, c Anticonvulsant and Krimighna, c in Forced swim test (FST) when tested on mice and was found to be comparable to that of							
antidiabetic activity in alloxan-induced diabetic albino rats when compared with glibenclamide (600 μg/kg b. wt.)xcviii 28 Prosopis Tree Tannin rich spicigera Leaves, foliage, volatile fatty Shami Fabaceae Fabacea							
28 Prosopis Tree Tannin rich spicigera Leaves, foliage, volatile fatty Shami Fabaceae Fabaceae Pabaceae Fabaceae							•
diabetic albino rats when compared with glibenclamide (600 μg/kg b. wt.)*cv/iii 28 Prosopis Tree Tannin rich spicigera Leaves, foliage, volatile fatty Shami Fabaceae Fabaceae Analgesic The leaf extract at doses of 200 mg/kg significantly decreased the Arshoghna, Arshoghna, and Krimighna,* Kushtaghna, Anticonvulsant in Forced swim test (FST) when tested on mice and was found to be comparable to that of							
28 Prosopis Tree Tannin rich spicigera Leaves, Pods Volatile fatty Shami Fabaceae Fabaceae Krimighna, c Krim							alloxan-induced
28 Prosopis Tree Tannin rich spicigera Leaves, Pods volatile fatty Shami Fabaceae Arshoghna, Arshoghna, and Krimighna, c							diabetic albino
28 Prosopis Tree Tannin rich Rechan, Analgesic The leaf extract spicigera Leaves, Foliage, Volatile fatty Kashara, Shwashara mg/kg shwashara Shwashara Muscle relaxant Fabaceae Krimighna, Anticonvulsant and Krimighna, Kr							
28 Prosopis Tree Tannin rich Rechan, Kaphaghna, Antidepressant at doses of 200 Shami Fabaceae Fabaceae Kaphaghna, Antidepressant Shwashara mg/kg Shami Fabaceae Kashara, Shwashara mg/kg Shwashara, Muscle relaxant Antipyretic decreased the Arshoghna, and Krimighna, and Krimi							
Prosopis Tree Tannin rich Rechan, Analgesic The leaf extract spicigera Leaves, Foliage, Volatile Fatty Shami Fabaceae Fabaceae Prosopis Tree Tannin rich Rechan, Kaphaghna, Antidepressant at doses of 200 mg/kg Kashara, Shwashara, Muscle relaxant Kushtaghna, Antipyretic Anticonvulsant and Krimighna,c Arshoghna, and Krimighna,c Miscle relaxant Anticonvulsant and Krimighna,c Misch Rechan, Antipyretic Anticonvulsant and Krimighna,c Miscle relaxant Anticonvulsant and Miscle relaxant Anticonvulsant and Grand Miscle relaxant Ant							_
Prosopis spicigera Leaves, Foliage, Volatile fatty Shami Fabaceae Fabaceae Prosopis spicigera Leaves, Foliage, Volatile fatty Shwashara, Shami Fabaceae F							
spicigera Leaves, foliage, volatile fatty Kashara, Shwashara mg/kg Shami acid. Shwashara, Muscle relaxant significantly Fabaceae Kushtaghna, Anticonvulsant and immobility time in Forced swim test (FST) when tested on mice and was found to be comparable to that of							wc.,
Linn. xcix Pods volatile fatty Kashara, Shwashara mg/kg Shami acid. Shwashara, Muscle relaxant significantly Fabaceae Kushtaghna, Antipyretic decreased the Arshoghna, Anticonvulsant duration of immobility time Krimighna, c in Forced swim test (FST) when tested on mice and was found to be comparable to	28	Prosopis	Tree	Tannin rich	Rechan,	Analgesic	The leaf extract
Shami acid. Shwashara, Muscle relaxant significantly decreased the Kushtaghna, Antipyretic decreased the Arshoghna, Anticonvulsant and immobility time Krimighna,c in Forced swim test (FST) when tested on mice and was found to be comparable to that of		spicigera	Leaves,	foliage,	Kaphaghna,	Antidepressant	at doses of 200
Fabaceae Kushtaghna, Antipyretic decreased the Arshoghna, Anticonvulsant and immobility time Krimighna,c in Forced swim test (FST) when tested on mice and was found to be comparable to that of			Pods	•			
Arshoghna, Anticonvulsant duration of and immobility time Krimighna,c in Forced swim test (FST) when tested on mice and was found to be comparable to that of				acid.	· · · · · · · · · · · · · · · · · · ·		_
and immobility time Krimighna,c in Forced swim test (FST) when tested on mice and was found to be comparable to that of		гарасеае			_		
Krimighna,c in Forced swim test (FST) when tested on mice and was found to be comparable to that of					=	Anticonvuisant	
test (FST) when tested on mice and was found to be comparable to that of							•
tested on mice and was found to be comparable to that of					giiiia,		
and was found to be comparable to that of							
comparable to that of							
that of							to be
							=
imipramine (15							
mg/kg. p.o) thus							ilig/kg. p.o) thus

exerting



antidepressantlike effect.ci Doses of the ethanolic extract Prosopis cineraria roots at the dose 200mg/kg 300mg/kg was studied using hot-plate method and tailimmersion method in rats and was found to have potential analgesic properties.cii The ether extract from the leaves Putranjiva roxburghii (100, 200, and 400 mg/kg, p.o.) dosedependently produced analgesic activity in acetic acid-induced writhing in mice. At the dose of 400 mg/kg of the same extract, decreased fever induced yeast in rats and inhibited croton oil-induced ear edema in dose-dependent manner (1.25,2.5, and 5.0 mg/ear) in mice thus showing analgesic, antipyretic and antiinflammatory properties.cv

30 Putranjiva Tree roxburghii Leaves, Wallciii seeds, Putranjivak Jiyapota roots Putranjivac

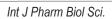
eae

Seeds contain fatty oil, Oleic Linoleic acid, bark, and acid and stearic acid.

> The oil prepared from seed has Glucoputranji and Glucojiaputin

Vataghna Anulomana, Mutrala Vrishya ,Balya, Prajasthapna

Kaphaghna, Antiinflammatory Analgesic Antipyretic and





31 Sida cordifolia Linn.cvi Bala Bariyara Malvaceae	Roots, seeds, and aerial parts	Seed contains: Ephedrine, Fatty oil, Steroids, Phytosterol, Resin, Resin acids, Mu- cin, Potassium nitrate. Root contains: Ephedrine, Hypaphorine, Vasiscinone, Vasiscinol, Cho- line, Betaine.	Balya, Grahi, Vatahara, Raktapittaghn a, Kantikar, Raktadoshana shak, Vranaropaka cvii	Anti- inflammatory Immunomodula tory Aphrodisiac Diuretic Analgesic Hepatoprotectiv e Emollient Cardiac tonic	Ethyl acetate and alcohol extracts of S.cordifolia exhibited significant anti-inflammatory activity only at a dose level of 600 mg/kg when studied in edematous rats, S. cordifolia root and aerial extract exhibited significantly (p < 0.001) better activity than that elicited by aspirin (standard drug). CVIIII In an vivo experiment, Hepatic regeneration activity of the aqueous extract of Sida cordifolia was assessed by immunohistoch emical staining for proliferating cell nuclear antigen (PCNA) using the PC-10 monoclonal antibody in rat who underwent 67% partial hepatectomy immediately after oral administration of 100, 200 and 400 mg/kg of the aqueous extract of Sida cordifolia and the results shows Sida100 and Sida200



groups disclosed significant liver regeneration indices than control group (p<0.001 and p<0.05, respectively). **Fumaric** acid isolated from S.cordifolia was reported to be Hepatoprotectiv e.cix 33 Terminalia Firmût-Kaphaghna Astringent Tree The blood sugar bellirica Leaves Contains-Pittaghna, Anti-diabetic level in normal Roxb.cx Bark and Tannin Bhedana, Hepatoprotectiv and alloxan (20-Vibhitak Fruit 30%), gallic Anulomana, diabetic rats Expectorant Bahera acid, ellagic Kasahar, reduces Combretac acid. Chakshushva. significantly phyllemblin, within 4 h by Keshya, eae ethyl gal late, Krimighna, Oral Chakshushya administration gallocyl glucose, g -75% οf sitosterol, methanolic chebulagic extract of T. (100 acid, mannitol, chebula glucose, mg/kg body weight).cxii galactose, 95% fructose, The rhamnose, ethanolic bellericanin extract of T. (Cardiac chebula fruit glycoside). showed Kernel hepatoprotectiv Containse activity against Yellow fatty oil antipossessing tuberculosis fatty acid, like (anti-TB) drugpalmitic, oleic induced toxicity which could be and linoleic acids. attributed to its Seedsprominent anti-Containoxidative and Protein, Oxalic membrane acid and nonstabilizing edible oil. activities.cxiii **Bark-Contains** Tannin, Oxalic acids

Table 2: Distribution of families of medicinal plant species documented during the study

S.No Family Name No of Plant Species



1.	Acanthaceae	02
2.	Apocynaceae	01
3.	Asteraceae	01
4.	Balanitaceae	01
5.	Capparidaceae	01
6.	Combretaceae	01
7.	Convolvulaceae	01
8.	Euphorbiaceae	01
9.	Fabaceae	06
10.	Gramineae	01
11.	Malvaceae	03
12.	Meliaceae	01
13.	Menispermaceae	01
14.	Moraceae	01
15.	Myrtaceae	01
16.	Pandanaceae	01
17.	Putranjivaceae	01
18.	Rubiaceae	01
19.	Rutaceae	02
20.	Salvadoraceae	01
21.	Ulmaceae	01



Figure 1 Adhatoda vasica Nees (Vasa)



Figure 2 Aerva lanata Juss. (Gorakshganja)



Figure 3 Ailanthus excelsa Roxb. (Aralu)



Figure 4 Balanites aegyptiaca (Linn.) Delile (Ingudi)



Figure 5 Barleria prionitis Linn (Saireyeka)



Figure 6 Cassia occidentalis Linn. (Kaasmarda)



Figure 7 Capparis sepiaria Linn (Hinsra)



Figure 8 Carissa carandas L. (Karmard)



Figure 9 Cocculus hirsutus Linn. Diels (Patalgarudi)









Figure 10 Cuscuta reflexa Roxb (Akashvalli) Figure 11 Eclipta alba Hassk (Bhringraj) Figure 12 Holoptelea integrifolia Planch (Chirabilwa)







Figure 13 Pandanus odorotissimus Linn (Ketki) Figure 14 Pongamia pinnata Pierre (Karanja) Figure 15 Putranjiva roxburghii Wall (Putranjivak)



Figure 16 Salvadora persica Linn. (Peelu,

REFERENCES

- 1. Mishra AK, Sharma MP, Singh H. Floristic diversity of Delhi, India: A checklist. Int J Herb Med. 2015;3(4):8-18.
- 2. Rana M, Rana M, Sharma D, Chauhan P. Commonly used medicinal plants in Tehsil Bangana, District Una, Himachal Pradesh. *J Ayu Herb Med.* 2017;3(2):102-107.
- 3. Delhi Development Authority. Sanjay Van. *DDA*. Accessed July 31, 2024. https://dda.gov.in/sites/default/files/LandDisposal/sanjay%20van.doc
- 4. Sanjay Van topographic map, elevation, terrain. *Topographic Map*. Accessed July 31, 2024. https://en-in.topographic-map.com/map-v2hxfr/Sanjay-Van/
- 5. Delhi Development Authority. Sanjay Van. *DDA*. Accessed July 31, 2024. https://dda.gov.in/sites/default/files/LandDisposal/sanjay%20van.doc.
- 6. Sanjay Van topographic map, elevation, terrain. *Topographic Map*. Accessed July 31, 2024. https://en-in.topographic-map.com/map-v2hxfr/Sanjay-Van/
- Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 3, Delhi, Chaukhamba publications; edition 2023, chap 15 pg 68
- 8. Pandey G.S., Bhavprakash Nighantu, Vatasi varga Shloka 36, Varanasi, Chaukhambha Bharati Academy, Pg 517.
- 9. Bhatnagar M, Parwani L, Sharma V, Ganguli J, Bhatnagar A. Hemostatic, antibacterial biopolymers from Acacia arabica (Lam.) Willd. and Moringa oleifera (Lam.) as potential wound dressing materials.
- Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 2, Delhi, Chaukhamba publications; edition 2023, chap-2.51 pg390
- 11. Pandey G.S., Bhavprakash Nighantu, Vatadi varga Shloka 30, Varanasi, Chaukhambha Bharati Academy, Pg 513.
- 12. Negi BS, Dave BP. In vitro antimicrobial activity of Acacia catechu and its phytochemical analysis. Indian journal of microbiology. 2010 Oct; 50:369-74.
- 13. The Ayurvedic Pharmacopia of India, Government of India, ministry of health and family welfare department of AYUSH, Nesw Delhi, 2008, part-1, Vol-1, pg 25
- 14. Pandey G.S., Bhavprakash Nighantu, Guduchyadi varga Shloka 144, Varanasi, Chaukhambha Bharati Academy, Pg 351.
- 15. Dhirender Kaushik, Sukhbir Khokra L, Pawan Kaushik, Chetan Sharma, Aneja KR. Evaluation of antioxidant and antimicrobial activity of Abutilon indicum, Pharmacology online 2010 1(1): 102-8
- 16. Kaladhar DSVGK, Saranya KS, Vadlapudi V, Yarla NS (2014) Evaluation of Anti-inflammatory and Anti-proliferative Activity of Abutilon indicum L. Plant Ethanolic Leaf Extract on Lung Cancer Cell Line A549 for System Network Studies. J Cancer Sci Ther 6: 195-201
- 17. Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 2, Delhi, Chaukhamba publications; edition 2023 chap-2.93 pg 689
- Pandey G.S., Bhavprakash Nighantu, Guduchyadi varga Shloka 89-90, Varanasi, Chaukhambha Bharati Academy, Pg 306.
- 19. Chakraborty A and AH Bratner, 2001. Study of alkaloids from Adhatoda vasica Nees on their antiinflammatory activity. Phytother. Res., 15: 532-534
- Ignacimuthu, S., Shanmugam, N. Antimycobacterial activity of two natural alkaloids, vasicine acetate and 2-acetyl benzylamine, isolated from Indian shrub Adhatoda vasica Ness. leaves. J Biosci 35, 565–570



- 21. Hossain MT, Hoq MO. Therapeutic use of Adhatoda vasica. Asian Journal of Medical and Biological Research. 2016 Aug 9;2(2):156-63.
- 22. Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 2, Delhi, Chaukhamba publications; edition 2023 chap 38 page 178
- 23. Padma Charan Behera, Bama Prasad Bag, Manik Ghosh, Indian Journal of Traditional Knowledge, Year: 2016, Volume: 15, Issue: 3, Page: 453-459.
- 24. Rajendra Prasad Gujjeti, Estari Mamidala Pharmacognosy Journal, Year: 2017, Volume: 9, Issue: 1, Page: 112-116
- The Ayurvedic Pharmacopia of India, Government of India, ministry of health and family welfare department of Ayush, Nesw Delhi, 2008 Vol 6 Pg-397
- 26. Sharanabasappa B. Patil, Upender Reddy C. H, N. M. Goudgaon International Journal of Pharmaceutical Sciences and Research, Year: 2010, Volume: 1, Issue: 12, Page 119-122
- V. Ravichandran, B. Suresh, M.N. Sathishkumar, K. Elango, R. Srinivasan Journal of Ethnopharmacology, Year: 2007, Volume: 112, Issue: 1, Page: 189-191
- Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 2, Delhi, Chaukhamba publications; edition 2023 chap-2.68 pg 505
- 29. Pandey G.S., Bhavprakash Nighantu, Guduchyadi varga Shloka 94, Varanasi, Chaukhambha Bharati Academy, Pg 314
- 30. Kumar S, Vandana UK, Agrwal D, Hansa J. Analgesic, anti-inflammatory and anti-pyretic effects of Azadirachta indica (Neem) leaf extract in albino rats. Int J Sci Res. 2015;4(8):713-21
- Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 3, Delhi, Chaukhamba publications; edition 2023, chap 45 pg212
- 32. Pandey G.S., Bhavprakash Nighantu, Vataadi varga Shloka 41, Varanasi, Chaukhambha Bharati Academy, Pg 519
- 33. Swarnakar G, Roat K, Sanger B. In vitro anthelminthic effect of Balanites aegyptica on Paramphistomum cervi in Buffalo (Bubalus bubalis) of Udaipur. Int J Curr Microbiol App Sci.2015;4;950-5
- 34. Jaiprakash B, Aland R, Karadi RV, Savadi RV, Hukkeri VI. Hepatoprotective activity of fruit pulp of Balanites aegyptiaca, Indian Drugs. 2003;40;296-7
- 35. Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 3, Delhi, Chaukhamba publications; edition 2023 chap 143 pg 683
- 36. Pandey G.S., Bhavprakash Nighantu, Guduchyadi varga, Shloka 154, Varanasi, Chaukhambha Bharati Academy, Pg 361
- 37. Gustav Komlaga, Sandrine Cojean, Rita A. Dickson, Mehdi A. Beniddir, Soulaf Suyyagh-Albouz, Merlin L. K. Mensah, Christian Agyare, Pierre Champy, Philippe M. Loiseau.) Journal of cell and tissue Research. 2010 Dec 1;10(3):2413
- 38. Zubair M, Bibi Z, Rizwan K, Rasool N, Zahoor AF, Riaz M. In vitro antimicrobial and haemolytic studies of Bambusa arundinaceae leaves. Journal of Applied Pharmaceutical Science. 2013 Apr 27;3(4):111-5
- 39. The Ayurvedic Pharmacopia of India, Government of India, ministry of health and family welfare department of AYUSH, New Delhi, 2008 Vol 3 Pg 168
- 40. Pandey G.S., Bhavprakash Nighantu, Pushpa varga, Shloka 52, Varanasi, Chaukhambha Bharati Academy, Pg 489
- 41. Singh B, Bani S, Gupta DK, Chandan BK, Kaul A. Anti-inflammatory activity of 'TAF'an active fraction from the plant Barleria prionitis Linn. Journal of Ethnopharmacology. 2003 Apr 1;85(2-3):187-93
- 42. Chetan B, Maheshwar G, Somnath D, Mahesh K, Ashpak T. In vitro anthelmintic activity of fruit extract of Barleria prionitis Linn. Against Pheretima posthuma. International Journal of Pharmacy and Pharmaceutical Sciences. 2010;2(3):49-50
- 43. Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 3, Delhi, Chaukhamba publications; edition 2023, chap 40 pg 188
- 44. Selvamani, Palanisamy & Latha, Subbiah & Sen, Dr Dhrubo Jyoti & Gupta, Jayanta & Pal, Tapas. (2008). Anti diabetic activity of ethanolic extract of Capparis sepiaria L leaves. Indian Journal of Pharmaceutical Sciences. 70. 378-380
- 45. The Ayurvedic Pharmacopia of India, Government of India, ministry of health and family welfare department of AYUSH, Nesw Delhi, 2008, Vol 2 Pg 79
- 46. Pandey G.S., Bhavprakash Nighantu, Amradiphala varga, Shloka 81, Varanasi, Chaukhambha Bharati Academy, Pg 463
- 47. Vohra M M, De N N, "Comparative cardiotonic activity of Carissa carandas {L}, and Carissa spinarum {A}, Indian Journal of Medical Research, 1963; 51(5):937-940
- 48. Mishra CK, Sasmal D, Shrivastava B, An in vitro evaluation of the anthelmintic activity of unripe fruits extract of Carissa carandas Linn, International Journal of Drug Devlopment and Research, 2012; 4(4):393-7
- 49. Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 2, Delhi, Chaukhamba publications; edition 2023 chap-2.6 pg no. 52
- Pandey G.S., Bhavprakash Nighantu, Haritkyadi varga, Shloka 149-150, Varanasi, Chaukhambha Bharati Academy, Pg
 66
- 51. Duraipandiyan V, Ignacimuthu S. Antibacterial and antifungal activity of Cassia fistula L.: An ethnomedicinal plant. Journal of ethnopharmacology. 2007 Jul 25;112(3):590-4
- 52. Shivani Ghildiyal, Manish Gautam, VK. Joshi, Ruchika goel, Journal of Natural Remedies 122(2):118-127
- 53. Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 2, Delhi, Chaukhamba publications; edition 2023, chap 64 pg 300
- 54. Pandey G.S., Bhavprakash Nighantu, Shaka varga, Shloka 43-44, Varanasi, Chaukhambha Bharati Academy, Pg 663
- 55. Gautam SS. Antibacterial and phytochemical analysis of Cassia occidentalis L. seeds against respiratory tract pathogens. Indian Journal of Natural Products and Resources (IJNPR)[Formerly Natural Product Radiance (NPR)]. 2016 Dec 2;5(1):52-5.



- 56. Xu W, Hu M, Zhang Q, Yu J, Su W. Effects of anthraquinones from Cassia occidentalis L. on ovalbumin-induced airways inflammation in a mouse model of allergic asthma. Journal of ethnopharmacology. 2018 Jul 15; 221:1-9.
- 57. Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 2, Delhi, Chaukhamba publications; edition 2023, chap 19 pg 86
- 58. Pandey G.S., Bhavprakash Nighantu, Aamradiphala varga, Shloka 130-131, Varanasi, Chaukhambha Bharati Academy, Pg 581
- 59. Archana Negi S, Vijay Juyal, Anand B Melkani, Journal of Pharmacy Research, Year: 2010, Volume: 3, Issue: 9, Page: 2119-2121
- Pallavi Malleshappa, Ramesh Chapeyil Kumaran, Krishna Venkatarangaiah, Sameera Parveen Pharmacognosy Journal, Year: 2018, Volume: 10, Issue: 6s, Page: s172-s178
- 61. Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 2, Delhi, Chaukhamba publications; edition 2023, chap 105 pg 496
- 62. Pandey G.S., Bhavprakash Nighantu, Guduchyadi varga, Shloka 260, Varanasi, Chaukhambha Bharati Academy, Pg 434
- 63. Omoirri MA, Odigie OM, Gbagbeke KO, Ajegi IF, Oseyomon JO, Okafoanyali OJ, Eje VI. A Review on Ethnopharmacology of Antidiabetic Plants. Asian Plant Research Journal. 2018 Aug 27;1(1):1-22
- Tirkey Rakesh, Tiwari Prashant. International Research Journal of Pharmacy, Year: 2012, Volume: 3, Issue: 2, Page: 267-270
- 65. Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 3, Delhi, Chaukhamba publications; edition 2023, Vol 3 chap 51 pg236
- 66. Pandey G.S., Bhavprakash Nighantu, Guduchyadi varga, Shloka 260, Varanasi, Chaukhambha Bharati Academy, Pg 387
- 67. Niu QL, Sun H, Liu C, Li J, Liang CX, Zhang RR, Ge FR, Liu W. Croton tiglium essential oil compounds have antiproliferative and pro-apoptotic effects in A549 lung cancer cell lines. Plos one. 2020 May 1;15(5): e0231437
- 68. Abon AC. Anthelmintic efficacy of tuba (Croton tiglium L.) seeds on the gastrointestinal parasites of native chickens (Gallus domesticus). Plant Science Today. 2021 Oct 1;8(4):749-53
- Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 2, Delhi, Chaukhamba publications; edition 2023, chap-2.17 pg 128
- Pandey G.S., Bhavprakash Nighantu, Guduchyadi varga, Shloka 239-241, Varanasi, Chaukhambha Bharati Academy, Pg 414
- 71. Pandey MK, Singh GN, Sharma RK, Lata S. Antibacterial activity of Eclipta alba (L.) Hassk. Journal of Applied Pharmaceutical Science. 2011 Sep 30(Issue):104-7
- 72. Goutam Mukhopadhyay, Shymodip Kundu, Argha Sarkar, Pintu Sarkar, Riyanka Sengupta, Chandan Kumar. A review on physicochemical, pharmacological activity. Pharma Innovation 2018;7(9):78-83
- 73. The Ayurvedic Pharmacopia of India, Government of India, ministry of health and family welfare department of AYUSH, Nesw Delhi, 2008 Vol-3 pg 219
- 74. Pandey G.S., Bhavprakash Nighantu, Guduchyadi varga, Shloka 260, Varanasi, Chaukhambha Bharati Academy, Pg 504
- 75. C. H Chandrashekhar, K. P Latha, H. M Vagdevi, V. P Vaidya, Anthelmintic activity of the crude extracts of Ficus racemosa, Int J Green Pharm, 2008, 2, 100-103
- Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 3, Delhi, Chaukhamba publications; edition 2023 chap 104 pg 490
- Pandey G.S., Bhavprakash Nighantu, Guduchyadi varga, Shloka 98-99, Varanasi, Chaukhambha Bharati Academy, Pg 569
- 78. Priyanka Patil, Priyanka Patil, M. M. Patel, and C. J. Bhavsar., Preliminary phytochemical and hypoglycemic activity of leaves of Grewia asiatica L.(2011): 516-520.
- Mall TP, Tripathi SC. Anti-cancer potential plants from bahraich (Uttar Pradesh) India. World Journal of Pharmaceutical Research. 2018;7(2):844-94.50 Nataraj Loganayaki, Perumal Siddhuraju, Sellamuthu Manian, Journal of Food Science and Technology, Year: 2013, Volume: 50, Issue: 4, Page: 687-695
- Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 3, Delhi, Chaukhamba publications; edition 2023 chap 14 pg 64
- 81. Pandey G.S., Bhavprakash Nighantu, Karpuradi varga, Shloka 97-98, Varanasi, Chaukhambha Bharati Academy, Pg 236
- Nataraj Loganayaki, Perumal Siddhuraju, ellamuthu Manian Journal of Food Science and Technology | Year: 2013 |
 Volume: 50 | Issue: 4 | Page: 687-695
- 83. Nazneen Pohocha, Nirmala D. Grampurohit, Phytotherapy Research, Year: 2001, Volume: 15, Page: 49-52
- 84. Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 3, Delhi, Chaukhamba publications; edition 2023 chap 26 pg 117
- Pandey G.S., Bhavprakash Nighantu, Guduchyadi varga, Shloka 123-124, Varanasi, Chaukhambha Bharati Academy, Pg
 338
- 86. Nadella, Durga & Paarakh, Padmaa. (2011). Evaluation of anthelmintic activity of stem bark of Holoptelea integrifolia Planch. International Journal of Research In Ayurveda and Pharmacy. 1. 637-641
- 87. Sharma S, Rai V, Kapoor B, Sarkar Bapi Rai. Phytochemical screening and evaluation of anti-inflammatory activity of leaves extract of Holoptelea integrifolia (Roxb). Int J Res Pharm Sci 2011; 1:76-87
- 88. Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 3, Delhi, Chaukhamba publications; edition 2023, chap 55 pg 257
- 89. SHOBANA K, Sethuraja T, Ananthi SS. A review and its potential of Murraya koenigii. World Journal of Advanced Research and Reviews. 2022;16(2):935-41



- 90. Mandal S, Nayak A, Kar M, Banerjee SK, Das A, Upadhyay SN, Singh RK, Banerji A, Banerji J. Antidiarrhoeal activity of carbazole alkaloids from Murraya koenigii Spreng (Rutaceae) seeds. Fitoterapia. 2010 Jan 1;81(1):72-4
- 91. The Ayurvedic Pharmacopia of India, Government of India, ministry of health and family welfare department of AYUSH, Nesw Delhi, 2008, part-1, Vol-1 pg-95
- 92. Pandey G.S., Bhavprakash Nighantu, Guduchyadi varga, Shloka 42-43, Varanasi, Chaukhambha Bharati Academy, Pg
 485
- 93. Rajeswari J, Kesavan K, Jayakar B. Phytochemical and pharmacological evaluation of prop roots of Pandanus fascicularis Lam. Asian Pacific journal of tropical medicine. 2011 Aug 1;4(8):649-53
- 94. Rajeswari, Jothimani & Kesavan, Karthikeyan & Jayakar, Balasundaram & Acharya, B & Reddy, ANTIDIURETIC Activity of Aqueous and Ethanolic Extracts of Prop Roots of Pandanus Fascicularis Lam
- 95. Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 1, Delhi, Chaukhamba publications; edition 2023, chap 59 pg 277
- Pandey G.S., Bhavprakash Nighantu, Guduchyadi varga, Shloka 119-120 Varanasi, Chaukhambha Bharati Academy, Pg 334
- 97. Bhaskar J, Goli V, Macharla SP, Gowrishankar NL, Dhanalakshmi C, Bhaskar KV. Anti-Pyretic Activity of Pongamia Pinnata), 628-630
- 98. Sikarwar MS, Patil MB. Antidiabetic activity of Pongamia pinnata leaf extracts in alloxan-induced diabetic rats. International journal of Ayurveda research. 2010 Oct;1(4):199
- 99. The Ayurvedic Pharmacopia of India, Government of India, ministry of health and family welfare department of Ayush, Nesw Delhi, 2008 Vol. 6 pg-177
- 100. Pandey G.S., Bhavprakash Nighantu, Vatadi yarga, Shloka 72-73, Varanasi, Chaukhambha Bharati Academy, Pg 534
- 101. George M, Joseph L, Sharma A. Antidepressant and skeletal muscle relaxant effects of the aqueous extract of the Prosopis cineraria. Brazilian journal of pharmaceutical sciences. 2012; 48:577-81
- 102. Kumar A, Yadav SK, Singh S, Pandeya SN. Analgesic activity of ethanolic extract of roots of Prosopis cineraria (L.) Druce. Journal of applied pharmaceutical science. 2011 Oct 30(Issue):158-60.
- 103. Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 3, Delhi, Chaukhamba publications; edition 2023 chap 116 pg 555
- 104. Pandey G.S., Bhavprakash Nighantu, Vatadi varga, Shloka 39-40, Varanasi, Chaukhambha Bharati Academy, Pg 519
- 105. Gupta M. A review of pharmacological properties, pharmacognosy and therapeutic actions of Putranjiva roxburghii Wall. (Putranjiva). Int J Herb Med. 2016;4(6):104-8
- 106. Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 2, Delhi, Chaukhamba publications; edition 2023 chap-2.13 pg99
- 107. Pandey G.S., Bhavprakash Nighantu, Vatadi varga, Shloka 142-143, Varanasi, Chaukhambha Bharati Academy, Pg 351
- 108. Chopra Kanth VR, Diwan PV. Analgesic, antiinflammatory and hypoglycemic activities of Sida cordifolia, Phytotherapy research. PTR 13 (1) 1999; 75–77
- 109. Silva RS et al. Effect of the aqueous extract of Sida cordifolia on liver regeneration after partial hepatectomy. Acta Cir.21(1) .2006; 77-79
- 110. Hegde L Prakash, Harini, Text book of Dravya Vijnana, Vol 2, Delhi, Chaukhamba publications; edition 2023 chap-2.95 pg703
- 111. Pandey G.S., Bhavprakash Nighantu, Haritkyadi varga, Shloka 35-36, Varanasi, Chaukhambha Bharati Academy, Pg 9
- 112. Sabu MC, Kuttan R. Anti-diabetic activity of medicinal plants and its relationship with their antioxidant property. J Ethnopharmacol 2002; 81: 155-60
- 113. Tasduq SA, Singh K, Satti NK et al. Terminalia chebula (fruit) prevents liver toxicity caused by sub-chronic administration of rifampicin, isoniazid and pyrazinamide in combination. Hum Exp Toxicol 2006; 25(3): 111-118