



Diversity of Plants yielding Unorganized Drugs From Nandgaon and Chandwad tehsils District Nashik (Maharashtra)

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ABSTRACT: The present paper deals with the diversity of some important plants yielding unorganized drugs (Gums and Resins) from Chandwad and Nandgaon tehsils of Nashik District Maharashtra State. Important Plants like *Anogeissus latifolia*, *Boswellia serrata*, *Sterculia urens*, & *Commiphora wightii* were reported during the study. Out of which, *Commiphora wightii* is a critically endangered plant recorded as new report to the flora of Nasik District. © 2019 iGlobal Research and Publishing Foundation. All rights reserved.

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INTRODUCTION

Out of the various products obtained from forest, Gum and resins have been an important commodity of commerce, providing livelihood to people living in and around forest. Besides other uses, these products (Gum and resins) have been used in medicines, in traditional medicinal systems like Ayurveda and Unani .They are also being used in Allopathic formulations. Owing to their economical and medicinal values the plants yielding these products are required to be conserved, preferably in their natural habitats .Floristic studies are stepping stones towards conservation of plants Nandgaon and Chanwad tehsils comprise of hill areas and wilderness with dry deciduous vegetation . Plants were photographed and identified with the help of floras. During the floristic studies of the area following important plants yielding Un organized drugs (Gums and resins) were recorded.

Enumeration –along with medicinal uses.

Anogeissus latifolia (DC.) Wallich ex Guill. & Perr.
Fl. Seneg.Tent.1:280.1832:C.b.Cl in
Hook.f.Fl.Brit.India 2 : 450. 1878; Cooke, Fl. Pres.
Bombay 1:512.1958 ; Scott in Kew
Bull.33:560.1979.*Conocarpus latifolia* Roxb ex DC.
Prodr,3 :17 1828.
Family Combretaceae

Gum Ghatti

Trees up to 18 meters high. Bark smooth whitish grey. Leaves ovate elliptical with obtuse apex. Flowers sessile present on dense globose heads on stalks in axils of leaves. Flowers small pentamerous with persistent calyx. Fruits a two winged pseudo calyx.

Flowering and fruiting –September – February
Mahadeo dongar, Indrai
Frequent

Medicinal uses – Traditionally used after childbirth, as a tonic and galactagogue, Dysentery



Boswellia serrata Roxb.ex.Colebr.in Asiat.Res.9; 379, t.5. 1807; Bennet in Hook.f.Fl.Brit.India 1:528. 1875; Cooke .Fl.Pres .Bombay 1:210.1958

Family -Burseraceae

Sallai Guggul

Trees Endemic to India, up to 6 meters tall, occurring on dry hill slopes. Bark ash colored papery, young shoots pubescent, Leaves pinnately compound, alternately arranged, ovate – lanceolate ,with toothed margins ,Inflorescence of racemes ,flowers small creamy ,stamens 10 ,stigma trifid with short style .Fruits trigonous drupes.

Flowering and fruiting – February –May

Jambutke, Hatti, Mahadevdongar

Occasional

Medicinal uses – Antirheumatic, Used in treatment of polyarthritis, and remissions in inflammatory bowel diseases, Ulcerative Colitis and Crohn’s disease. Stomach complaints, Ulcers, Fever ,Jaundice, Piles ,Skin diseases.



Commiphora wightii (Arn.) Bhandari in Bull .Bot Surv. India 6.327. & Fl. Indian Des.96, f.34.1978. *Balsamodendron wightii* Arn.in Ann.Nat.Hist.Soc.3; 86.1839

Family -Burseraceae

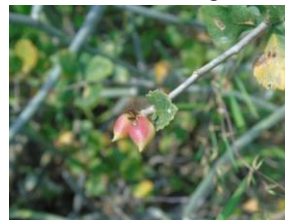
Myrrh, Guggulu

Spiny Shrub, up to 4 meters high with thin white papery bark. Leaves rhomboid – ovate in shape with serrate or toothed margins in upper parts, 1- 3 foliate with sub sessile leaflets .Flowers brownish red in group of 2 or 3. It is Gynodioecious, some plants have Male and bisexual flowers, while others have female flowers. Drupes about 1 cm, red at maturity.

Flowering and fruiting –March to May

Occurrence Shelkewadi Very Rare Critically endangered

Medicinal uses - Arthritis, Rheumatism, Hemorrhoids, Urinary disorder, obesity, skin disease and high cholesterol,



Sterculia urens Roxb.Pl .Cor.1:25, t.24.1795; Mast .in Hook. f. Fl Brit. India 1:355. 1874; Cooke, Fl. Pres. Bombay 1:131.1958. Mallick in Sharma et al .Fl. India 3:470.1993

Fam –Sterculiaceae

Gum Karaya, Gum Tragacanth

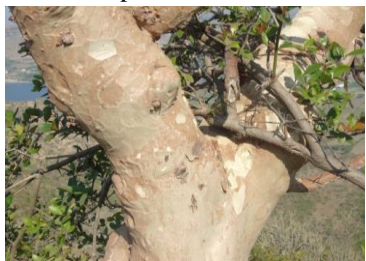
Deciduous trees about 15 meters high, young parts pubescent, bark greyish white, smooth shining, peeling off in papery flakes. Leaves shallowly palmately five lobed, crowded on tips of branches on long petioles. Inflorescence branched, glandular pubescent, flowers greenish yellow, follicles 4-6 ovoid –oblong covered with stinging bristles.

Flowering, fruiting December –April

Chandreswar ,Pardhadi ,Mahadeo dongar

Ocassional

Medicinal uses – Dental adhesive, Constipation, Throat infections, Blisters, Joint pain



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