

Official Name:		मण्डूकपर्णी		
English name;		Indian penny wort		
Botanical Name:		Centella asiatica		
Family :-		Apiaceae		
Taxonomical classification		Kingdom- Plantae Sub kindom- Spermatophyte Super division- Spermatophyta Division- Magnoliphyta Class- Dicotylednae Sub class- Polypetalae Order- Umbellates Family- Apiaceae/Umbelliferae Genus- Centella Species- Asiatica		
Synonyms:-		माण्डूकी, महौषधी त्वाष्ट्री		
Habitat :-		यह भारत व अन्य देशों में आर्द्र स्थानों पर 1900 मी. की ऊँचाई तक पाया जाता है।		
Botanical Identification	Habit	भारत में सर्वत्र जलासन्न भूमी में Annual prostrate herbs		
	Root	Tap root, branched		
	Stem/Bark	Prostrate, herbaceous, weak, Fistula, green stolons are present, rooting at nodes		
	Leaves	Phyllotaxy		Alternate
		Simple/Compound		Simple
Lamina		-		

	Texture	Smooth and thin	
	Tip	Rounded or slightly retuse	
	Base	Chordate(head shape)	
	Margins	Crenate margins	
	Venation	Palmate,reticular	
	Petiole	Long and slender connecting the leaf to the stem	
Inflorescence		Racemose, simple umbels,3-6 flower in each group	
Flower		Bisexual,sepals and petals are 5 in number	
Floral formula/ Diagram		♂ K(5) C(5) A5 G(2) (inferior)	
Fruit		Laterrally compressed, has 2 mericarp. Each mericarp has one seed	
Types:-			
Rasapanchaka:-		Rasa- tikta, kshay, madhur Guna - laghu, sar Virya - Shit Vipaka- Madhur Prabhav- Medhya	
Chemical Constituents:-		Asiatic-acid: Collagenic. Asiaticoside: Antibacterial, Antiedemic, Antifertility, Antiinflammatory, Antitubercular, Antiulcer, Carcinogenic, Hypercholesterolemic, Hyperglycemic. Brahminoside: Antifertility, Hypertensive, Sedative, Tranquilizer, Uterorelaxant. Brahmoside: Hypertensive, Hypothermic, Sedative, Tranquilizer, Uterorelaxant.	
Market information:-		The global mandukparni market size reached USD 401 million in 2023 with projection to reach around USD 581 million by 2030.(CAGR-3.4%)	
Adulteration/Substitution:-		Adulteration through Brahmi,syntheticcolors and preservative, heavy metal contamination and algae and moss.	
Cultivation:-		Best sown at begining of monsoon(June-July) and soil used is loamy and clayey soil.	
Flowering season:-		Tropical and subtropical region- Throughout the year Temperate region- During spring and summer(March-May)	
Harvesting:-		First harvest is usually 3-4 months after planting i.e. Sept-Oct	
Present Status- Endangered		Not concerned	
Conservation method:-		Not concerned	
Main Uses:-		Medhya, Rasayana	
Part used:-		पंचांग	

Dose	Medicinal Dose:-	Juice extract- 10 to 30 ml Powder-3 to 6 g		
	Toxic Dose:-	Nil		
	Fatal Dose:-	Nil		
Toxicity (if any) toxic constituent -		Nil		
Antidote or treatment (if any)-		Nil		
Purification (if any)		Nil		
Formulations:-		Formulation मण्डुकपर्णी चूर्ण मण्डुकपर्णी सार मण्डुकपर्णी तेल मण्डुकपर्णी घृत	Rogadhik ara उन्माद , अपस्मार , स्मृतिभ्रंश	Refrence राजनिघण्टुः पर्पटादि/63- 67; कैयदेवनिघण्टुः औषधि/719-723; भावप्रकाशनिघण्टुः गुडूच्यादि/279-281; द्रव्यगुणसंग्रहः शाकवर्ग / 58;
Special information (if any)				