



Official Name	पाठा
English Name	Indian Moonseed, Pareira
Botanical Name	<i>Cissampelos pareira</i>
Family	Menispermaceae
Taxonomical Classification	<p>Kingdom: Plantae Division: Spermatophyta Sub-division: Angiospermae Class: Dicotyledonae Order: Ranales</p> <p>Family: Menispermaceae Genus: Cyclea Species: peltata</p>
Synonyms	<ol style="list-style-type: none"> 1. पाठा 2. गजवाहिनी 3. चंद्रिका 4. चंदनोपमा 5. अमृता 6. जानुजा

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		<p>7. मूत्रलिका</p> <p>8. वृष्या</p> <p>9. दीर्घवल्लरी</p> <p>10. वातहर</p>
Habitat	<p><i>Cyclea peltata</i>, has a wide habitat range, primarily found throughout India and Sri Lanka. It thrives in various environments, including moist deciduous forests, tropical forests, and plains.</p>	
Botanical Identification	Habit	<p>Perennial climbing or trailing shrub, woody, slender stems</p> 
	Root	<p>Cylindrical, tuberous roots, yellowish-brown externally, soft internally.</p> 

	Stem/Bark	Slender, twining, branched, green and flexible	
	Modifications of stem	Liana Adaptation	

		<p>It behaves like a woody climber in tropical forests. The stem becomes woody and robust at the base, allowing the plant to persist perennially while using other vegetation for vertical support.</p> <p>-</p>	the
	Inflorescence		axillary racemes

Flower		<p>Arrangement: Found in axillary clusters (cymes or fascicles).</p> <p>Size: Tiny, about 1.5–2 mm in diameter.</p> <p>Color: Greenish-yellow or yellowish.</p> <p>Shape: Star-shaped (actinomorphic).</p> <p>Sepals: 4, small and rounded.</p> <p>Petals: 4, free or slightly fused.</p> <p>Stamens: 1–2, with anthers that are connate (fused together) and form a disklike structure.</p>	
Floral formula/ Diagram		$\oplus \overset{\sigma}{\underset{\pi}{\text{C}}}_4 K_{(5)} \overset{\sigma}{\underset{\pi}{\text{C}}}_{(5)} A_5 \bar{G}_2$	 <p style="text-align: center;">Floral diagram</p>

	Fruit		Small, red to black drupe, one-seeded	
	Seed		The plant bears one-seeded drupes, each containing a single seed.	
Types			लघु पाठा, महा पाठा, और राज पाठा	
Rasapanchaka			Rasa: कटु (Pungent), तिक्त (Bitter) Guna: लघु (Light), रूक्ष (Dry) Veerya: उष्ण (Hot) Vipaka: कटु (Pungent) Karma: वातहर, शूलहर, आमपाचन	
Chemical Constituents			<ul style="list-style-type: none"> - Alkaloids - Tannins - Flavonoids - Terpenoids - Glycosides 	
Market information			Dried root ₹120–₹200/kg Powdered form ₹250–₹400/kg Extracts ₹800–₹1500/kg	
Adulteration/Substitution				

		<p>Cyclea pelta Cyclea peltata Maha Patha Closely related plant; has larger peltate leaves; used as a substitute in some Ayurvedic texts Stephania japonica stephania japonica Raja Patha Similar family (Menispermaceae); similar alkaloid profile Tinospora cordifolia Tinospora cordifolia Giloy Sometimes used in commercial products due to wide availability; not botanically similar Cissampelos mucronata C. mucronata — African species; occasionally confused in export trade</p>
Cultivation		<p>Stage Months (India, tropical regions) Notes Sowing / Propagation June – July (onset of monsoon) Best time for seed sowing or stem cuttings due to moisture availability Vegetative Growth July – October Rapid twining and leaf growth; requires support structures</p>
Flowering season		September to December
Harvesting		<p>Harvesting (Roots) January – March (1–2 years after planting) optimal alkaloid content</p>
Present Status- Not concerned/ Endangered/ Extinct		Endangered
Conservation method		<p>In Vitro cultures of zygotic embryos and hypocotyl seedlings of <i>Asparagus racemosus</i> has been demonstrated . The simple sterilization procedure resulting in recovering 100% sterile Cultures .</p>
Main Uses		<p>Antimicrobial Active against bacteria and fungi Antimalarial Shown to inhibit <i>Plasmodium falciparum</i> Estrogenic Binds estrogen receptors (ER-alpha, ER-beta) Antioxidant Scavenges free radicals Immunomodulatory Enhances or suppresses immune response Hepatoprotective Protects liver tissue in lab models</p>
Part used		मूल, पत्र, र, फल, बीज
Dose	Medicinal Dose	<p>Dose: चूर्ण (Powder): 3–6 gm कषाय (Decoction): 50–100 ml</p>
	Toxic Dose	-
	Fatal Dose	-
Toxicity (if any)		-
Antidote or treatment (if any)		-
Purification (if any)		-

Formulations:	Patha churna, patha kashay ,kwatha
Rogadhikar:	Jwara rog , kasa, shwasa
References :	Charak Samhita , Shusruta Samhita, Bhaishjaya ratnavai

