

Review Form 1.6

Journal Name:	Asian Plant Research Journal
Manuscript Number:	Ms_APRJ_93958
Title of the Manuscript:	Mirabilis jalapa Linn. : A folklore ayurvedic medicinal plant in Sri Lanka.
Type of the Article	Review Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalapri.com/index.php/APRJ/editorial-policy>)

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<p>-<i>Mirabilis jalapa</i> Linn. (Nyctaginaceae), commonly referred to as the Four O'clock plant (Sinhala name: Hendirikka), is a popular ornamental plant grown for the beauty of its flowers and used in folklore remedies.</p> <p>-This plant is used to treat a variety of disease conditions around the world. It is widely used for abdominal colic, aphrodisiac, boils, diarrhea, inflammations, genitourinary disorders, muscular pain, and other issues by people from various countries.</p> <p>-This plant contains several phytochemical compounds isolated from its parts, such as alkaloids, brassicasterol, carbohydrates, flavonoids, glycosides, phytosterols (beta-sitosterol and stigmasterol), oleanolic acid, trigonelline, and ursolic acid. This plant has been studied for its anti-inflammatory, antimicrobial (antiviral, antibacterial, and antifungal), antioxidant & cytotoxic, anti-tumor, anti-nociceptive, antihistamine and immune modulatory, anti-tubercular induced hepatotoxic effect, antiparasitic, dermatological, and hypoglycemic and antihyperlipidemic properties. It is also used as a reductant in the production of gold nanoparticles.</p> <p>-This research aims to review the literature on <i>Mirabilis Jalapa's</i> morphology, ethnomedicinal, phytochemical, and pharmacological properties.</p>	
Minor REVISION comments	<p>-<i>Mirabilis jalapa</i> (Sinhala name: Hendirikka), is commonly called the Marvel of Peru or Four-o-clock plant (refer to figures 1-7).</p> <p>-Medicinal plants are a great alternative to finding new treatments and developing novel antimicrobials to combat many diseases[1,2,3,4,5,6].</p> <p>-This herbaceous bushy plant has a perennial life span and can grow to a maximum height of 1 m[7]</p> <p>-Underground tubers are the specialized storage organ of <i>Mirabilis jalapa</i> and prefer fertile loamy soil, moist soil and well-drained soil[10].</p> <p>-The petiole, or leaf stem, is 4 cm long[11]. Seeds are small and brown or black in color. After developing as round, wrinkled, and greenish-yellow single-seeded fruits, they mature into spherical, wrinkled, and black[12].</p>	
Optional/General comments	<ol style="list-style-type: none"> 1. Introduction 2. Ethnomedicinal information 3. Phytochemical screening 4. Bioactivity 5. Conclusion <p><i>Mirabilis Jalapa</i> Linn is a well-known herbal plant. It is commonly grown for medicinal and ornamental purposes. It exhibits a wide range of biological activities that aid in the utilization of this plant's medicinal benefits. However, there is still a great need for more research on this species, and scientists must pay close attention to it if it is to reach its full potential</p>	

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

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