IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
Impact Factor: 7.53
Volume 4, Issue 5, November 2024

A Review on Extraction, Isolation and Separation Technique Studies of Aegle Marmelos

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Abstract: *Plants and their products are a major source for food and medicine that are Highly beneficial for various animals and humans. This article focuses on complete profile of Aegle marmelos L. which belongs to the family Rutaceae, is commonly known as bael, widely Available in several places in India. Ethnobotany: Traditional use of A. marmelos for various Diseases includes abdominal disorders, ulcer, cholera, diarrhea, nerve disorders, gonorrhea, Heart disorders, dog bite, jaundice, snake bite and many more. A number of biologically active Compounds isolated from various parts of A. marmelos which belongs to various chemical Groups. Phytochemistry: The isolated components belong to Alkaloids, Terpenoids, Vitamins, Coumarins, Tannins, Carbohydrates, Flavonoids, Fatty Acids, Essential Oils and some other Miscellaneous compounds. Pharmacological Activities: The plant also possess various Pharmacological activities such as Antioxidant, Antibacterial, Antifungal, Antidiarrheal, Antidiabetic, Antiproliferative, Cytoprotective, Hepatoprotective, Antifertility, Analgesic, Antiarthritis, Contractile, Antihyperlipidemic, Cardioprotective, Radioprotective, Anticancer, Antiviral, Antiulcer, Immunomodulatory and Wound Healing properties. Conclusion: Hence this review can Be a good reference for researchers who are willing to undertake further investigation about A.Marmelos.*

Keywords: Aegle marmelos, Phytochemistry, Pharmacological properties, Therapeutic potential, Toxicological studies

DOI: 10.48175/568