

Phytochemical Investigation and Biological Analysis of Plant *Acacia Modesta*

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Abstract: *The purpose of the present investigation was to ascertain the effectiveness of the drugs under review. As a result, standardizing medicines requires the execution of many parameter checks. For example, to demonstrate the diagnostic capabilities of plants, phytochemical screening of recently made drugs has to be done. Furthermore, this is used for biological activities including antifungal and antibacterial tests, which is highly suggestive for further evaluation in the form of in vivo and ex vivo investigations and a strong premise for clinical trials as well. Studies provide insight on the introduction and proper use of traditional remedies in contemporary times. Researchers have tried to show the biological and chemical potential of the medicinal plants based on studies of the literature*

Keywords: Phytochemical Investigation

REFERENCES

- [1]. Seemal J (1993). Isolation and structural studies of Acacia Gum exudates from the species of Gummiferae. PhD thesis, University of Punjab, Pakistan.
- [2]. Nasir E, Ali SI (1973). Acacia. Flora of West Pakistan. 39:6.
- [3]. Gohl B (1975). Tropical feeds information summaries and nutritive values. FAO Agriculture studies No.96. Food and Agriculture organization, United Nations, Rome, Italy. Pp: 148-159.
- [4]. Tanaka T (1976). Tanaka's encyclopedia of edible plants of the world, Keigaku Publishing Co, Tokyo, Japan. Pp: 3-5.
- [5]. National Research Council (1979). Tropical Legumes, Resources for the future, National Academy of Science, Washington D.C, USA. Pp: 141.
- [6]. Osol A, Farrar GE (1995). The Dispensatory of the United States, Lippincott, J.F, Philadelphia, 25th edition. Pp: 1.
- [7]. Utpal B, Abhishek S, Abinash PS, Venkat KR, Pranab G (2007). Medicinal plants used by the people of Northeast India for curing Malaria. Phytotherapy Research. 21: 800- 804.
- [8]. Ajaiyeoba, Edith O (2002). Phytochemical and antibacterial properties of *Parkia Biglobosa* and *Parkia Bicolor* leaf extracts. African Journal of Biomedical Research. 5(3): 125-129.
- [9]. Banso A (2009). Phytochemical and antibacterial investigation of bark extracts of *Acacia nilotica*. Journal of Medicinal Plants Research. 3(2): 82-85.
- [10]. Kapoor LD, Singh A, Kapoor SL, Srivastava SN (1969). Survey of Indian plants for saponins, alkaloids and flavonoids I. Lloydia. 32: 297-304.
- [11]. Somolenski SJ, Silinis H, Farnsworth NR (1974). Alkaloid screening V. Lloydia. 37: 506-53.
- [12]. Segalman AB, Farnsworth NR, Quimby MD (1969). False-negative saponins test result induced by the presence of tannins. Lloydia. 32: 52-58.
- [13]. Leimane V (2005). Clinical outcome of individualized treatment of multidrug-resistant tuberculosis in Latvia: a retrospective cohort study. Lancet. 365: 318-326.
- [14]. Ahmad B, Ali N, Bashir S, Choudhary MI, Azam A, Khan I (2009). Parasiticidal, antifungal and antibacterial activities of *Onosmagriffithii* Vatke. African Journal of Biotechnology. 8(19): 5084-5087.

- [15]. Salmon SA, Watts JL, Aarestrup, Pankey JW, Yancey RJ (1998). Minimum inhibitory concentrations for selected antimicrobial agents against organisms isolated from the mammary glands of Dairy Heifers in New Zealand and Denmark. *Journal of Dairy Science*. 81(2): 570-578.