

Formulation and Evaluation Polyherbal Handwash

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Abstract: *The present investigation aims to design antimicrobial Polyherbal Handwash by using different types of herbal plants like Aloe vera, neem, mimosa pudica. Formulations of polyherbal hand wash were prepared and the formulations were evaluated like appearance, color, odor, pH, viscosity, foam height, and foam retention time. The antimicrobial activity of the six hand wash formulations was tested using the agar plate method against Staphylococcus aureus and Escherichia coli. The herbal hand washes showed significant antibacterial action, according to the zone of inhibition results. In the culture plates, the activity of polyherbal hand wash formulation revealed significant inhibition of bacterial growth. It was non-irritating to the skin. As a result, these plant ingredients can be used to make herbal hand wash on a commercial basis. This review is all about Polyherbal Hand wash. In this article we have given more emphasis on why one should use herbal hand wash and their different methods to prepare polyherbal hand wash. Hands are responsible for transmission of microbes and infections. From the time of Pandemics people get to know the importance of hand hygiene and herbal preparations. We can reduce the risk of transmitting infection by proper hand hygiene. There are a good many synthetic hand wash formulations available in the market with a few adverse effects like itching, dermatitis, irritation and with increased antibiotic resistance in microorganisms, etc. To overcome these adverse effects and herbs antibiotic activity various efforts have been made to prepare Polyherbal hand wash.*

Keywords: Aloe vera, neem, mimosa pudica, anti-bacterial

REFERENCES

- [1]. Mr. Bhise Akash Bhagwan, Formulation & Evaluation of Herbal Hand Wash By using Natural Ingredient By simple Method, IGCRT, 9(12), 2021 page no. b627
- [2]. Sandeep DS, et al, Formulation of antimicrobial polyherbal hand wash RJPT, 9(7) 2016, page no. 1
- [3]. Ramanammalalam, et al, Formulation & evaluation of herbal hand wash ISSN, 11(12) page no. 182
- [4]. Aman Shukla, et al, Formulation & evaluation of herbal hand wash using Ginger Rhizomes Ijpr. Human 2020, 19(1), page no. 124
- [5]. Mali Kamlesh D, et al, Formulation & evaluation of alcohol free herbal hand wash containing osmium santum IJPBS, 10(2) 2020, page no. 114
- [6]. P.A. Jumma, Hand Hygiene: Simple & complex International Journal Of Infectious Disease, 9, 2005 page no. 4
- [7]. Dr. Mohan Lal, Hand hygiene – Effective way to prevent infections, International Journal of current Research, 7(3) 2015, page no. 13449
- [8]. Siva M, et al, Osmium Sanctum: A review on the pharmacological properties IJBCP, 5(3) 2016, page no. 559.
- [9]. Rakesh kumar Joshi, Phytoconstituents, traditional, medicinal & bioactive uses of Tulsi (osmium sanctum linn): A Review, journal of pharmacognosy and phytochemistry, 6(2), 2017, page no. 263
- [10]. Jena Jitendra, et al Rosa centifolia: plant Review IJRPC, 2(3), 2012 page no. 794. (11) Ramanammalalam, et al, Formulation & evaluation of herbal hand wash ISSN, 11(12) page no. 192.
- [11]. Sanjit Kumar Karetal, phytochemical constituents of aloe vera & their multifunctional properties: A comprehensive Review IJPSR, 9(4), 2018, page no. 1417.
- [12]. Priyanka Sharma, et al, A review on pharmacological properties of alovera, International Journal of pharmaceutical Science Review & Research, 29(2), 2014 article no. 7, page no. 34-35.

- [13]. ShakibUzzaman pharmacological activities of neem (Azadirchitaindica) : A review International Journal of pharmacognocny and life science 1(1) ,2020,page no.38.
- [14]. RohitJaysingBhor , etal, Formulation and evaluation by phytochemical analysis of herbal handwash AJPER,7(1), 2018, page no.(111-121) .
- [15]. SayantaniChanda ,etal phytochemical and pharmacological importance of turmeric (curcuma longa) : A Review , RRJoP,9(1),2016 page no.17.
- [16]. DuggiShrishail,etal, Turmeric : nature presious medicine , Asian Journal of pharmaceutical & clinical research ,6(3),2013,page no. 12.
- [17]. Mr. BhiseAkashBhagwan, Formulation & Evaluation of Herbal Hand Wash By using Natural Ingredient By simple Method, IGCRT,9(12),2021 page no. b629
- [18]. Mr. BhiseAkashBhagwan, Formulation & Evaluation of Herbal Hand Wash By using Natural Ingredient By simple Method, IGCRT,9(12),2021 page no.b637.
- [19]. Mr. BhiseAkashBhagwan, Formulation & Evaluation of Herbal Hand Wash By using Natural Ingredient By simple Method, IGCRT,9(12),2021 page no.b638.