

# Study of Formulation and Evaluation of Herbal Hand Wash by Using Natural Ingredients by Simple Method

Pruthviraj Ashok Chavhan<sup>1</sup>, Raksha Narayan Shinde<sup>2</sup>, Pranjali Suresh Sonone<sup>3</sup>,  
Pranjal G. Raut<sup>4</sup>, Prathamesh S. Shinde<sup>5</sup>, Shruti Wankhade<sup>6</sup>

Final Year B. Pharma Students, Department of Pharmaceutics<sup>1,2,3,4,5</sup>

Assistant Professor, Department of Pharmaceutics<sup>6</sup>

Vardhaman College of Pharmacy, Koli, Karanja (Lad), Washim, Maharashtra, India

**Abstract:** *In recent years, surprisingly, there has been a change in mentality. It means people are much more diverted to the herbal or natural things as compared to synthetic, chemically active products. As studies indicate, there are so many harmful and sometimes toxic side effects seen in the use of chemically active ingredients. Like lead, copper, arsenic etc. It's not 100% mandatory that all synthetic products and medicines are wrong, but the people literally give their interest in using natural products because of less than 1% or rarely side effects. The main motive to present this work is to formulate the herbal hand wash by using herbal (natural) raw material: neem, tulsi, aloe vera, rose extract, lemon juice. Dirty hands are the primary site for any viral microbial or bacterial infection. Therefore, it brings up the use of antiseptic as caring, nontoxic, safe and natural hand washing purpose*

**Keywords:** herbal hand wash.

## REFERENCES

- [1]. Warriar, P K (1995). Indian Medicinal plants. Orient Longman. Pg. 168.
- [2]. Ocimum tenuiflorum (holy basil) CABI invasive Species compendium. 23 August 2014.
- [3]. Holy basil drugs.com. 1 February 2022.
- [4]. Ocimum tenuiflorum L. Kew, royal botanic gardens.
- [5]. Textbook of Phytomedicine and phytochemistry, Biren shah and A.K. Seth, pg. No, 238-239.
- [6]. C. K. Kokate, A.P. Purohit, S. B. Gokhale Pharmacognosy book by Nirali Prakashan. Pg. no. 44.8 forty second edition.
- [7]. Pritam v. Chindarkar formulation and evaluation of herbal hand wash.
- [8]. Marvin. S. Balsam and Edward Sagarin: Cosmetics science and technology, 2nd edition, page no. 179-152.
- [9]. Flowers extract Rasool Bazigha Kadhim et.al, JRAP 2011-12
- [10]. Mr. Bhise Akash Bhagwan, Formulation and Evaluation of herbal hand wash by using natural ingredient by simple method, IGCRT, (12),2021-page no. B629.
- [11]. Mr. Bhise Akash Bhagwan, Formulation and Evaluation of herbal hand wash by using natural ingredient by simple method, IGCRT, (12),2021-page no. B637.
- [12]. Priyanka V. Bagdeetal, Formulation and evaluation if gel based herbal hand wash using extracts of argemone Mexicana, Int. Journal of pharmaceutical science and medicine (IJPSM), 6(6),2021, page no.31.
- [13]. Megha Bahuguna, etal, formulation and evaluation of hand wash, world journal of pharmaceutical research (WJPR), 5(7),2016, page no. 1567.
- [14]. Niraj Terkar, etal, formulation and evaluation of polyherbal hand wash (gel), IJSR, 10(8), 2021, page no. 1216.
- [15]. P.A. Jumma, hand hygiene – simple and complex International Journal of Infectious Disease,9,2005-page no.4.
- [16]. Rakesh Kumar Joshi, Phytoconstituents, traditional medicinal and bioactive uses of tulsi

- [17]. Priyanka Sharma, etal, A review on pharmacological properties of aloe vera, International Journal of Phytomedicine and life science 1(1), 2020, page no. 38.
- [18]. Shakib Uzzaman pharmacological activities of neem (Azadirchita indica): A review International Journal of Phytomedicine.
- [19]. Rohit Jaysingh Bhor, etal. Formulation and evaluation by phytochemical analysis of herbal hand wash AJPER, 7(1), 2018, page no. (111-121).
- [20]. www.Google.com
- [21]. A review, research Journal of pharmacy and technology, 2013; 6(5): 496-505 and functional food.
- [22]. www.wikipedia.org
- [23]. Brewer M. Natural antibacterial, antifungal sources, compounds, mechanism of action, and potential application.
- [24]. India wins landmark patent battle BBC news. 9 March 2005.
- [25]. Neem cake Fertilizer, uses, application, benefits Agri farming www.agrifarming.in. 9 August 2020.
- [26]. Newton LE (1979). In defense of the name aloe vera. The cactus and succulent journal of Great Britain.41: 29-30.
- [27]. Rose flower uses, synonym, extract 20 July 2016.
- [28]. Compact Oxford English Dictionary (2013) neem, page 679, third edition 2008.
- [29]. Compact Oxford English Dictionary (2013) rose, page 608, third edition 2008.
- [30]. Chat GPT.com
- [31]. Sapindus Mukorossi (Reetha) : an overview, Suhagia et.al, URSR , 2011, vol 2