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Formulation and Evaluation of Herbal Toothpaste

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Abstract: In today's world, the herbal toothpaste that contains natural ingredients are more preferrable to be used than chemical based synthetic toothpaste. Herbal dental care products are always safe and effective which reduces and cure dental disorders. The objective of this research work was to formulate and evaluate the natural and safe herbal toothpaste which has anti-inflammatory, antimicrobial, antifungal and teeth whitening effect. In this formulation there would be the introduction of new flavoring agent i.e., Dill seed oil in conjugation with other herbal ingredients like fenugreek powder, neem powder, triphala powder, pomegranate peel powder, basil and guava leaves powder. The formulation was subjected to various evaluation tests like pH, spreadability, foamability, homogeneity, moisture and volatile content and tube inertness. Use of herbal toothpaste is the best way to protect the teeth and prevent the development of dental diseases. The Evaluation studies gives the satisfactory result. Thus, in present work, the lab made herbal toothpaste was found to be of best quality.

Keywords: Herbal toothpaste, Fenugreek, Dill seed oil, Anti-microbial, Dental disorders

REFERENCES

- [1]. Durgesh Gautam*, Preetam Palkar, Kiran Maule, Shilpa Singh, Gopika Sawant, Chinmay Kuvalekar, Tushar Rukari, Dr. Vijay A. Jagtap Preparation, Evaluation and Comparison of Herbal toothpaste with marketed Herbal toothpaste, Asian Journal of Pharmacy and Technology Vol.10(Issue-03).
- [2]. Pavan Deshmukh, Roshan Telrandhe*, Mahendra Gunde Formulation and Evaluation of Herbal Toothpaste: Compared with Marketed Preparation. International Journal of Pharmaceutics and Drug Analysis Vol.5 Issue 10, 2017.
- [3]. Divya S1, Dr. J Suresh1*, Dr. S. Meenakshi2 Comprehensive Review on Herbal Toothpaste, Vol. 25, Issue 4, 2021, Pages. 9509 9518.
- [4]. Urmila Nishad1, Meraj Ali2, Anupama Maurya Formulation and Evaluation of a Polyherbal Toothpaste using Medicinal Plants Journal of Pharmaceutical Science and Research Vol. 12(1), 2020, 105-111.
- [5]. *Sangram Keshari Pandal and Aswini Sethi2Formulation and evaluation of a Herbal toothpaste and compared with different marketed preparation. International Journal of Pharmaceutical Research and Applications Volume 5, Issue 2, pp. 557-560.
- [6]. Sethiya Saloni, Wadhwa Shailedra Preparation & Evaluation of Herbal Toothpaste Asian Journal of Pharmaceutical Research and Development, Volume 4 Issue 1st Jan-Feb 2016.
- [7]. T. Mangilal 1*, M. Ravikumar1 Preparation And Evaluation of Herbal Toothpaste And Compared With Commercial Herbal Toothpastes: An Invitro Study International Journal of Ayurvedic and Herbal Medicine 6:3 (2016) 2266 –2251.
- [8]. Asha M. Jagtap, Sudhir R. Kaulage, Shivam S. Kanse, Vishal D. Shelke, Akshata S. Gavade, Ganesh B. Vambhurkar, Rohit R. Todkar, Vidya N. Dange Preparation and Evaluation of Toothpaste Asian Journal of Pharmaceutical Analysis Volume 8, Issue 4, Year 2018.
- [9]. K.L. Senthilkumar1*, S. Venkateswaran.1, A. Vasanthan1, P. Chiranjeevi1, N Mohamed1, S. Dinesh1, K.L.S. Neshkumar.2 Formulation development and evaluation of novel herbal toothpaste from natural source International Journal of Pharmaceutical Chemistry and Analysis 2022; 9(1):17–21s.
- [10]. Shivprasad Doijad, Ranjit Jadhav, Vijay Jadhav, Shrinivas Mali, Ashwini Aigale, Amol Sherikar*, John Disouza An Approach of Formulation and Evaluation of Herbal Toothpaste by Comparison with Commercial Toothpastes International Journal of Pharmacy & Pharmaceutical Research June 2018 Vol.:12, Issue:3.

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- [11]. S Nivethaprashanthi 1, R Kavya 2, R Priyanga 3, N Vezhavendhan4 Comparing the Efficacy of Herbal and Non-herbal Toothpastes in Controlling Plaque and Gingivitis: A Review Journal of Scientific Dentistry, Volume 10 Issue 1 (January–June 2020).
- [12]. Rajesh Hosadurgaa, Vinita Ashutosh Boloorb, Sudharshan N.Raoc, N.MeghRanic Effectiveness of two different herbal toothpaste formulations in the reduction of plaque and gingival inflammation in patients with established gingivitis A randomized controlled trial Journal of Traditional and Complementary Medicine Volume 8, Issue 1, January 2018, Pages 113-119.
- [13]. Kavita Varma, Shukla Deepika Kumari 16 Formulation Development and Evaluation of Herbal Toothpaste for Treatment of Oral Disease Volume 9, Issue 4-s, July-Aug 2019.
- [14]. Textbook of Pharmacognosy, C. K. Kokate, A. P. Purohit, S. B. Gokhle, Nirali Prakashan, 56 th edition, page no.14.40-14.41, 8.19-8.21.

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[15]. Study of Crude Drugs, M. A. Iyengar, 15 th edition, page no.121