

# Formulation and Evaluation of Herbal Toothpastes

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**Abstract:** *Toothpastes are primarily used to maintain oral hygiene. It also functions as an abrasive, helps in removing dental plaque and food particles from the teeth, assists in the removal of halitosis, and release active chemicals like fluoride to help prevent tooth and gum disease. The present study aims to formulate herbal toothpaste comprising of guava leaves, fenugreek, clove and pomegranate peels. Herbal toothpastes were prepared by using different concentrations of various ingredients and the best was selected. The toothpastes were evaluated using variety of methods such as pH, spreadability, foamability. The herbal ingredients used are good antibacterial. This research presents good scope in future dental research and dental health of public.*

**Keywords:** Herbal toothpastes, guava, neem, fenugreek, evaluation parameters

## REFERENCES

- [1] Rathi NM, Sirsat SV, Toshniwal SS, Zagare NT, Mahamad SFS Formulation and evaluation study on herbal toothpaste A Review International research of novel research and development 2022, 7(4) 968-974
- [2] Malgi R, Mane DV, Kumar DN, Paramshetty V, Kobanna S. Formulation and evaluation of herbal tooth paste by Cajanus cajan (L.) Leaf extract .Journal of Pharmacognosy and Phytochemistry 2022; 11(1): 175-178
- [3] Senthilkumar KL, Venkateswaran S, Vasanthan A, Chiranjeevi P. Formulation development and evaluation of novel herbal toothpaste from natural source. International journal of pharmaceutical chemistry and analysis 2022; 9(1) 17-21
- [4] Nema RK, Ks R, Dubey BK. Textbook of Cosmetics; 2009.
- [5] Mangilal T, Ravikumar M. Preparation and Evaluation of Herbal Toothpaste and Compared with Commercial Herbal Toothpastes: An In-vitro Study. Int J Ayurvedic Herbal Med. 2016;5(10):2266-51.
- [6] Dange VN, Magdum CS, Mohite SK, Nitlikar M. Review on Oral Care Product: formulation of toothpaste from various and extracts of tender twigs of neem. J of Pharm Res. 2008;1(2):148-52.
- [7] Mali SA, Malik SM, Mane AA, Mane PD, Mangnale SM, Swami KB. Formulation And Evaluation Of Herbal Toothpaste: Remedy for oral cancer .International Journal of Pharmaceutical Research and Applications. 2022; 7( 5): 1380-1386
- [8] Gautam D, Palkar P, Maule K, Singh S, Sawant G, Kuvalekar C, Rukari T, Jagtap VA. Preparation, evaluation and comparison of herbal toothpaste with marketed herbal toothpaste. Asian journal of pharmacy and technology 2020; 10(3) 165-169
- [9] Mithal BM and Saha RN. A Handbook of Cosmetics. Vallabh prakashan, Delhi. 2016; 1st Ed. pp. 204-212.
- [10] Lieberman HA, Rieger MM and Banker GS. Pharmaceutical Dosage Forms: Disperse Systems. Volume 2, Informa Healthcare. 2008; 2nd Ed. pp. 423-445.
- [11] Adeleye OA, Bamiro O, Akpotu M, Adebawale M, Daodu J, Sodeinde MA. Physicochemical Evaluation and Antibacterial Activity of Massularia acuminata Herbal Toothpaste. Turkish Journal of Pharmaceutical Sciences. 2021; 18(4): 1-5

