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## Flavonoid enriched dentifrice

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Herbs are staging a comeback and herbal 'renaissance' is happening all over the globe. Herbal extracts have been successfully used in dentistry as tooth cleansing and antimicrobial plaque agents. Such dental formulations may lead to improvement in the general dental health of the population. The aim of the present work was to develop medicated toothpaste and dental gel containing natural active with a reported anti-caries property. Commercially available toothpastes contain sodium fluoride which is an anti-caries agent causing fluorosis and has detrimental effects on the musculoskeletal and nervous systems. They also contain Triclosan which is carcinogenic. Dentifrices were formulated using active *Garcinia indica* and other excipients. Excipients used for toothpaste included silica as abrasive and thickener, surfactant, humectant, sweetener, preservative and flavor. The dental gel was formulated using active along with Carbopol as gelling agent, sodium saccharin as sweetening agent, glycerin as humectant, triethanolamine as neutralizer and preservative. The dentifrices were evaluated for appearance, taste, odour, pH, foaming character, viscosity and abrasivity. The developed dentifrices satisfied the desired physicochemical properties. They have good commercial value because they are free from fluoride, Triclosan, SLS and synthetic/artificial colors and actives. Hence, they have good potential to be used in pediatrics.

## Biography

N R Sneha Keerthi is working as research associate under the able guidance of Prof. Dr. Rajarajeshwari N at Visveswarapura Institute of pharmaceutical sciences, Rajiv Gandhi University of Health Science's. The major research project ICMR, *Ad-hoc* 21/12/17/09HSR dated 24/06/2010 entitled "Exploration of unexplored medicinal plants from Western Ghat region of Ramghat for their cytotoxic principal and documentation of tribal knowledge from the tribal community located at the base of Ramghat".

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