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Formulation containing natural anthelmintic

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Helminthiasisis is a macroparasitic disease of humans and other animals in which a part of the body is infected with parasitic worms (helminthes) like tapeworms, flukes and round worms. They live in the gastrointestinal tract of their hosts but may also burrow into other organs, where they induce physiological damage. A lot of synthetic drugs are available in the market which can cause side effects. Hence, there is a need to develop novel herbal formulation with minimum side effects and good patient compliance. *Punica granatum* L Family Punicaceae is an ancient, mystical, unique fruit. It is reported to have anthelmintic activity in previous literature. Hence, the present study is focused to develop mouth dissolving anthelmintic tablets containing fruit rind extract of Punica granatum L especially for pediatrics. The tablets were prepared by wet granulation technique using different ratios of binder, super disintegrant (NS 300), sweeteners, Instacoat flavor. The developed tablets were evaluated for various quality control parameters like appearance, taste, drug content, weight variation, thickness, hardness, in vitro disintegration time and friability. Results indicated successful formulation of mouth dissolving tablets with pleasant taste and satisfactory mouth feel with optimum physicochemical properties. The developed formulation was subjected to in vitro anthelmintic activity on Pheretima posthuma and found to exhibit significant level of activity when compared with marketed formulation.

Biography

Swetha Srinivasa is a Research Associate of VIPS under the guidance of Dr Namita Naik Khanvte in one of the research project sanctioned by RGUHS.

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Notes:

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