

**Review Form 1.7**

Journal Name:	<b>Journal of Materials Science Research and Reviews</b>
Manuscript Number:	<b>Ms_JMSRR_112975</b>
Title of the Manuscript:	<b>A Conceptual Brief on Toothpaste Skeleton Significance: A Systematic Review on Prospects of Bangladesh</b>
Type of the Article	<b>Review Article</b>

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**PART 1: Review Comments**

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p>	<p><u><i>The following points have been deemed acceptable by the scientific community through review*****.</i></u></p> <p>1. Toothpaste is a significant tool for maintaining and improving oral health, appearance, and overall tooth well-being. It contains abrasive particles that help to remove oral calculus and food debris from the teeth. Toothpaste also helps to prevent bad breath and delivers active ingredients that aid in the prevention of tooth decay and gum disease. In case commercial toothpaste is not available, salt and sodium bicarbonate are two ingredients that can be used as an alternative. Toothpaste is highly recommended for oral hygiene, cavity prevention, and plaque control.</p> <p>2. Fluoride is a mineral that occurs naturally and is added to water, food, and other products. Maintaining good oral hygiene is important, and toothpaste plays a crucial role in achieving this. With an abundance of options available, it can be challenging to determine which toothpaste is the right one to use. However, many toothpastes contain fluoride, which is a mineral found naturally in soil and rocks. Fluoride has numerous benefits that help in protecting tooth health. While too much fluoride can be harmful, the amount used in toothpaste is typically safe if a person uses it as instructed.</p> <p>3. Moreover, Triclosan (TCS) is a powerful antimicrobial agent that is commonly found in personal care products, medical items, plastic cutting boards, and food storage containers. A popular example is Colgate Total® toothpaste, which contains 10 mM TCS and is effective in preventing the formation of biofilm and maintaining healthy gums.</p> <p>4. In summary, the significance of toothpaste skeleton: A theoretical brief on the prospects of Bangladesh - A systematic review" is a crucial piece of review research that sheds light on the future of Bangladesh. Through a systematic analysis, this review delves into the potentials and opportunities of Bangladesh, presenting a comprehensive understanding of the country's development. Toothpaste Skeleton serves as a metaphor for the foundation of Bangladesh's growth, and this review examines its significance in great detail.</p> <p><b>Suggest Alternative Title: An overview of the significance of toothpaste skeletons and a systematic review of the prospects in Bangladesh</b></p> <p><b>85% Good*****.</b> But, before framing a review abstract, it is important for the author to clearly state that the research goals in a simple and understandable manner in the abstract section. This will help readers understand the purpose of the research. Therefore, authors should improve their writing style to ensure a clear message. I kindly request the author to consider using the following paragraph when framing the abstract.</p> <p><b>Abstract:</b> Toothpaste plays an important role in maintaining and improving oral health and aesthetics. Over time, toothpaste recipes have evolved from simple suspensions of broken eggshells or ashes to complex formulations containing up to twenty different chemicals. Toothpaste is designed to combat various dental issues such as cavities, gum disease, bad breath, calculus, erosion, and dentin hypersensitivity. It contains abrasives to clean and whiten teeth, flavors to freshen breath, and dyes to improve its cosmetic appeal. The right toothpaste is formulated to maximize the bioavailability of its active ingredients. For instance, the permissible theoretical fluoride concentration range is between 850-1150 ppm.</p>	

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<p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>The most scientifically-supported anti-plaque agent in toothpaste is Triclosan. Toothpaste must have a pH level between 5.5 and 10.5. Condensed phosphates are mainly used as chemical whitening agents in toothpaste. However, developing toothpaste is a complex process because numerous separate activities must come together in a single phase. Toothpaste development is still ongoing, as there are several challenges, including the low oral substantivity of most active ingredients, which must be overcome. In this present study state that a systematic review is a vital research piece that provides insights into the future of Bangladesh. This review conducts a thorough analysis of the country's potentials and opportunities, presenting a comprehensive understanding of its development. Using the Toothpaste Skeleton as a metaphor for the foundation of Bangladesh's growth, this review examines its significance in detail.</p> <p>Yes</p> <p>Yes</p> <p>The references provided are recent and adequate. Over all Good****.</p> <p><b>Additional Suggestions*</b></p> <p>Authors are required to adhere to the guidelines provided for creating a research article.</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Can be improved</p>	
<p><b>Optional/General</b> comments</p>	<p>The paper's objective is very good and appreciated, but it requires littlebit improvements to be accepted. Author, complete all changes mentioned in the review form for paper acceptance.</p>	

**PART 2:**

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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