

## Review Form 1.6

Journal Name:	<a href="#">Journal of Pharmaceutical Research International</a>
Manuscript Number:	Ms_JPRI_82438
Title of the Manuscript:	A SCOPING REVIEW OF THE GENOTYPIC DIVERSITY OF STREPROCOCCUS MUTANS
Type of the Article	

### **General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

<https://www.journaljpri.com/index.php/JPRI/editorial-policy>

[Review Form 1.6](#)

**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>This is an interesting review article and the authors have done extensive data search. The title seems appropriate. Somehow, I feel that the abstract does not need any sections (Aim, materials and methods, results, conclusion) since this structure has not been followed in the main body. Furthermore, in my opinion, the manuscript has some shortcomings in regards to language, presentation, flow of information, and grammar. Given these shortcomings, the paper requires major revisions in terms of editing and proofreading. Below, I have provided numerous remarks along with suggestions to help improve the quality of manuscript.</p> <p><b>1. There are language and clarity issues.</b>  <b>P 1, L9 -Methods:</b> A thorough literature search on S.mutans was performed and the relevant datas supporting its association to dental caries were extracted.  <b>Suggestion: data is plural.</b></p> <p><b>P 1, L38-</b> By virtue of its contribution to the formation of the dental biofilm matrix, its capacity to produce large quantities of organic acids, and its propensity to outcompete non-cariogenic commensal species at low pH conditions.<sup>[6]</sup>  <b>Suggestion: The sentence lacks clarity. Kindly, reframe it.</b></p> <p><b>P 3, L114-</b>It a mechanism of ecological importance as S.mutans manages to adapt to the changing environments, originating from different selective pressures.  <b>Suggestion: Revise this sentence to enhance clarity.</b></p> <p><b>P 4, L151-</b> The findings of the study were, althoughthese strains belonged to the same serological group(serotype c) with expression of the same biochemical, adhesive, and cariogenicproperties as well as similarity in 90% of their genes the strains presented eight variable regions with more than 30 genome rearrangements  <b>Suggestion: This sentence is difficult to understand and lacks clarity, kindly revise for better readability.</b></p> <p><b>P 5, L182-</b> This enzymecatalyses the synthesis of glucans from sucrose and are is encoded by gtf genes. <b>Suggestion: Revise this sentence.</b></p> <p><b>Look out for other such ambiguous sentences in the manuscript and revise them for better flow of information and logic.</b></p> <p><b>2. There are many punctuation errors (like missing commas) and spacing errors.</b>  <b>P 2, L43-</b> colonizingS.mutans  <b>P 3, L92-</b> S.mutansbelong to  <b>P 3, L95, L96-</b> variation thanother species present in humans and is classified into fourserotypes (c, e, f, and k).<sup>[18]</sup> Useof polymerase chain reaction (PCR)</p> <p><b>P 3, L140-</b> In 2002 the complete genome sequencing (<b>Comma missing after 2002</b>)</p> <p><b>P 1, L41-</b>However S.mutans can be isolated from individuals either with or without a</p>	

**Review Form 1.6**

	<p>history of caries.<sup>[7,8]</sup> (Comma missing after however).</p> <p><b>Suggestion: Manuscript needs thorough editing and proofreading.</b></p> <p><b>3. There is lack of consistency in the usage of terms.</b></p> <p>P 1, L 17-Streptococcus mutans endure extensive genotypic</p> <p><b>P 8, L325-</b> components of S. mutan.It is obvious that S.mutans has evolved numerous strategies to become well established in the oral biofilms.</p> <p><b>Suggestion: Define <u>Streptococcus mutans</u> initially, and continue terming it as S.mutans across the length of the study.</b></p> <p>P 3, L125 Intragenomic reorganization P 3, L128 Intragenomic rearrangements <b>Choose one of the two terms, either reorganization or rearrangement.</b></p> <p><b>Look for other such inconsistencies in the manuscript.</b></p> <p><b>4. P 3, L142-</b>Till date, a large number of S.mutans genomes have been sequenced and 188 genomic sequences of S.mutans are available in the NCBI database for the researchers.(Cite Reference or a link).</p> <p><b>5. Format the headings and sub-headings in the main body by assigning numbers wherever applicable.</b></p>	
<b>Minor</b> REVISION comments	If possible, add more keywords.	
<b>Optional/General</b> comments		

**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)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

As per the guideline of editorial office we have followed VANCOUVER reference style for our paper.

Kindly see the following link:

<http://sciencedomain.org/archives/20>

**Reviewer Details:**

Name:	Nitika Anand
Department, University & Country	ITS Dental College, Hospital and Research Centre, India