

**Review Form 1.7**

Journal Name:	<b>Asian Journal of Biotechnology and Bioresource Technology</b>
Manuscript Number:	<b>Ms_AJB2T_115901</b>
Title of the Manuscript:	<b>Phylogenetic analysis of Bacterial Isolates Recovered from salt-affected areas of Haryana &amp; Punjab.</b>
Type of the Article	

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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> <ol style="list-style-type: none"> <li>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</li> <li>2. Is the title of the article suitable? (If not please suggest an alternative title)</li> <li>3. Is the abstract of the article comprehensive?</li> <li>4. Are subsections and structure of the manuscript appropriate?</li> <li>5. Do you think the manuscript is scientifically correct?</li> <li>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</li> </ol> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> <li>1. Yes, the exploitation of extremophiles is having special importance in the development of new molecules with potential applications in biomedicine. Halophilic microorganisms are recognized producers of carotenoid pigments, retinal proteins, hydrolytic enzymes, and compatible solutes as macromolecules stabilizers, biopolymers, and biofertilizers [19,25]. Halophilic bacteria and extremely halophilic aerobic archaea, also known as haloarchaea, play a significant role in the industry with a large number of applications like fermented food products, cosmetics, preservatives, manufacturing of bioplastics, photoelectric devices, artificial retinas, holograms, biosensors, etc.</li> <li>2. Yes</li> <li>3. In the abstract section of the methods subsection, it should be mentioned other applications of halophilic bacteria for example: Halophiles have promising biotechnological applications that include pigments, enzymes, surfactants, decolorization of textile dye effluents, degrading metals and the removal of pollutants in saline water. The halophilic bacterial products are gaining importance in the recent days due to its medicinal values and it contains bioactive compounds that exhibit antimicrobial and anticancer activities. These bacteria also produce enzymes that are used in different industries and employed in the bioremediation method in agriculture. Further, it is also used in the removal of heavy metals, plastic degradation, biofuel manufacturing, pigment manufacturing and mining processes.</li> <li>4. Molecular identification of isolated bacterial strains method should be added to MATERIALS AND METHODS section.</li> <li>5. yes</li> <li>6. yes</li> </ol>	
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. Is language/English quality of the article suitable for scholarly communications?</li> </ol>	<p>Authors should check the typographical errors of the entire article. For example, a comma is missing in the sentence below: "Therefore present study aimed" should be changed to "Therefore, present study aimed"</p>	
<p><b>Optional/General</b> comments</p>	<p>On the contrary, the gel from 16S: I don't understand why the PCR product has two bands, while in 16S we usually have one band?</p>	

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**PART 2:**

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

**Reviewer Details:**

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