

**Review Form 1.7**

Journal Name:	<b>Asian Journal of Applied Chemistry Research</b>
Manuscript Number:	<b>Ms_AJACR_116644</b>
Title of the Manuscript:	<b>Osmosis: A Boon for Mankind</b>
Type of the Article	

**Review Form 1.7**

**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 REVISION comments</b></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>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p><b>Yes</b></p> <p><b>No</b> <b>Suggested in review comments</b></p> <p><b>No, needs revision</b></p> <p><b>Yes</b></p> <p><b>Yes</b></p> <p><b>No, suggestion in review report</b></p> <p><b>See review report</b></p> <p style="text-align: center;"><b>Review comments on the paper Osmosis: A Boon for Mankind For Asian Journal of Applied Chemistry Research</b></p> <p>This is a short article on the application of salted water as an aid to relieve constipation in patients is one with good objectives using a noble idea based on fundamental scientific concepts. It can be accepted for publication, but after revision and answering the queries.</p> <p>1, The title is very broad as if it is going to deal with the entire osmotic issues of humans, but in reality addresses a small, but elegant aspect. It can be rephrased to sound the significance of the specific work like "Application of osmosis in relieving constipation ' or so.</p> <p>2. the importance of osmosis in biological streams and in medical practices are much more than what is compiled in the introduction part. Since the subject is very broad and old, finding recent references will be difficult. However, a few more aspects can be mentioned like it role in plants' water absorption. Killing microorganisms by way of dehydration. Deswelling of swollen body parts, water Transport in body etc</p> <p>3. The scientific basis for osmosis across a semipermeable membrane is a difference in the chemical potential ( more precisely the partial molal free bergy )of two solutions of different concentrations. To arrive at equilibrium with equal chemical potentials, the solute should move from a higher concentration to the lower one. Since the membranes are impermeable to the solute (salt), the solvent molecules move from low salt concentration to higher salt concentration till equilibrium is attained ( till the chemical potentials of the two solutions are equal). This may be made clear.</p> <p>4. The authors are confused between solute ( Salt) and solvent(water)</p> <p>5.The present paper looks like a conceptual paper, but the addition of some experimental data like the dependency of constipation relieving time on salt concentration or absolute amount of salt etc. would have enhanced the merit d the paper. Test results on patients of different age groups may also be interesting. Concentrations should be expressed in g/L and not vaguely as 'two table spoons full per litre' ( imprecise). Some tables or graphs would add a 'scientific air 'to the paper</p>	

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<b>Minor</b> REVISION comments		
1. Is language/English quality of the article suitable for scholarly communications?	Yes ( but needs minor improvements)	
<b>Optional/General</b> comments	This is a short article on the application of salted water as an aid to relieve constipation in patients is one with good objectives using a noble idea based on fundamental scientific concepts. It can be accepted for publication, but after revision and answering the queries.	

### **PART 2:**

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

### **Reviewer Details:**

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