

## Review Form 1.7

Journal Name:	<a href="#">Journal of Materials Science Research and Reviews</a>
Manuscript Number:	Ms_JMSRR_99827
Title of the Manuscript:	Beyond Waterproofing: Exploring the Emerging Frontiers of Superhydrophobic Coatings in Technology
Type of the Article	Review 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://journaljmsrr.com/index.php/JMSRR/editorial-policy> )

### 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>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>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>Yes, the present manuscript summarized well the state of research directions in superhydrophobic coatings, and addressed their existing limitations, drawbacks and future prospects.</p> <p>Yes, the title is suitable.</p> <p>Yes, the abstract is comprehensive.</p> <p>Authors may consider the introduction of additional subsections.</p> <p>Yes, the manuscript is scientifically correct.</p> <p>Yes, the references are sufficient and recent.</p> <p>Based on recent and numerous research publications, the present review summarized well the state of research directions in superhydrophobic coatings. However, the survey of proven industrial applications of these coatings was very limited. The review addressed the existing limitations and drawbacks of superhydrophobic coatings and emphasized their future prospects. The division of the manuscript into sections and subsections was restricted to 3 sections. The authors may consider the introduction of additional subsections. Some repetitions appear in the introduction section. It may be useful to add a definition of superhydrophobic coating as thin films on different bulk substrate materials, which intrinsically reduce the expected bearing capacity of these coatings and their mechanical bearing capabilities. The over optimistic nature of the manuscript seems not consistent with the present limited industrial applications of superhydrophobic coatings.</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>Yes.</p>	
<p><b>Optional/General</b> comments</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>	

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