

Review Form 3

Journal Name:	Advances in Research
Manuscript Number:	Ms_AIR_127359
Title of the Manuscript:	Delving into the Fascinating Realm of Biofilm Forming Bacteria: A Review
Type of the Article	Review Article

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	The theme of this review article is of high interest to the scientific community because bacterial biofilms have a key role in antimicrobial resistance mechanisms. They also have important roles in bacterial infections, dental plaques, industrial processes and the environment. Whilst the manuscript is rather short, it is well written and gives a concise introduction to and overview of bacterial biofilms. But many of the references in the manuscript appear to not exist or are not cited properly, please see further below. All references must be checked and corrected as necessary.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title of the article is suitable.	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract of the article is sufficiently comprehensive.	
Are subsections and structure of the manuscript appropriate?	The subsections and structure of the manuscript are appropriate.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The content of this review article is scientifically correct.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	<p>The reference "Costerton, J. W., & Stewart, P. S. (2001). "Antibiotic resistance of bacteria in biofilms." <i>Lancet</i>, 358(9276), 135-138" is not cited properly, please check.</p> <p>The reference "Jamal, M. (2021). "Emerging therapeutic strategies to combat biofilm-related infections." <i>Frontiers in Microbiology</i>, 12, 698799" does not appear to exist, please check.</p> <p>The reference "Flemming, H. C., & Wuertz, S. (2019). "Bacterial pathogens and biofilms: From the onset of infection to the resolution of infection." <i>Nature Reviews Microbiology</i>, 17(5), 225-236" does not appear to exist or is not cited properly, please check.</p> <p>The reference "Fong, J. N., & Yildiz, F. H. (2015). "Biofilm formation under flow conditions." <i>Current Opinion in Microbiology</i>, 24, 46-52" does not appear to exist or is not cited properly, please check.</p>	

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	<p>The reference "Lashua, L., & Tran, D. (2013). "The regulatory mechanisms controlling bacterial biofilm formation." <i>Microbiology</i>, 159(8), 16-25" does not appear to exist or is not cited properly, please check.</p> <p>The reference "Moe, S. T. (2020). "Targeting biofilms: Mechanisms, strategies, and challenges." <i>Biochimica et Biophysica Acta (BBA) - General Subjects</i>, 1864(6), 129400" does not appear to exist or is not cited properly, please check.</p> <p>The reference "Morris, C. E., & Monier, J. M. (2003). "Biofilm formation by plant-associated bacteria." <i>FEMS Microbiology Ecology</i>, 43(3), 287-295" does not appear to exist or is not cited properly, please check.</p> <p>The reference "Nivens, D. E. (2001). "The extracellular polysaccharide (EPS) matrix in bacterial biofilms." <i>Journal of Industrial Microbiology & Biotechnology</i>, 27(4), 274-281" does not appear to exist or is not cited properly, please check.</p> <p>The reference "Schönborn, C., & Rüger, M. (2020). "Biofilm formation in drinking water systems: Understanding its formation and role in water quality." <i>Environmental Pollution</i>, 265, 115110" does not appear to exist or is not cited properly, please check.</p> <p>The reference "Tremblay, J. M., & Déziel, E. (2010). "Bacterial biofilms and chronic infections: The case of <i>Pseudomonas aeruginosa</i> and its human host." <i>FEMS Immunology & Medical Microbiology</i>, 59(3), 297-307" does not appear to exist or is not cited properly, please check.</p> <p>The reference "Xia, T. (2021). "Biofilms in industrial water systems: Control and mitigation strategies." <i>International Journal of Environmental Research and Public Health</i>, 18(11), 5725" does not appear to exist or is not cited properly, please check.</p> <p>The references are not sufficient in number. Further references should be added, especially on pages 3, 4 and 5. It would be better to add some more recent references too.</p>	
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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language/English quality of the article is suitable for scholarly communication.	
Optional/General comments	The following minor corrections and changes to the text should be made: Page 1 Abstract, Line 9. Change “comprehensive” to “concise” Key words. Change “Extra cellular” to “Extracellular” Introduction, Line 5. Change “detailed exploration” to “concise overview” Page 2 Microbial Metropolis, Line 1. Change “this” to “the extracellular” Page 3 Lines 1-2. Change “extracellular polymeric substances (EPSs)” to “EPSs” Page 5 In the title “Commom Biofilm forming Microbes” change “Commom” to “Common” and “forming” to “Forming” Page 6 Public Health Impact, Line 4. Change “combatting” to “combating” The manuscript would benefit from a figure to illustrate the formation and structure of biofilms.	

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

Reviewer Details:

Name:	Simon G. Patching
Department, University & Country	School of Biomedical Sciences, University of Leeds, United Kingdom