

Review Form 1.6

Journal Name:	Asian Journal of Biology
Manuscript Number:	Ms_AJOB_88312
Title of the Manuscript:	Investigation of the Pectin Degradation Ability of Hominibacterium faecale strain SF3T Isolated from Human Feces
Type of the Article	Short Research 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:

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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)
Compulsory REVISION comments	<p>English language and grammar revision required (many phrases are missing connective words and are not clear in what they want to convey, missing punctuation, long phrases; some phrases seem to be left unfinished and some are missing verbs and other needed words to clarify the intended message) – Professional English reviewing required</p> <p>Authors list is missing</p>	
Minor REVISION comments	<ol style="list-style-type: none"> 1. “, its isolated from human feces and cultivated with different concentration pectin under anaerobic conditions in vitro. and the.” Its should be “it is” and remove “.and the.” 2. “The pure culture of <i>Hominibacterium faecale</i> pectin degradation activity was found and commonly increases the growth value of strain SF3^T after pectin fermentation.” - “was found” may perhaps be replaced with “was present”. This phrasing is not clear 3. “The results suggest that pectin fermentation displays the greatest influence and confirm that pectin degradation leads to the production of acetate and butyrate.” – unclear. Displays the greatest influence over what? 4. “Human gastrointestinal tract is mediated by fraction of the microbial community” – change to “...is mediated by a fraction of the microbial community” (there are multiple instances such as this throughout the manuscript) 5. “the pectin molecule as well as its partial and complete degradation products contribute with human gut cells and interfere a wide range of physiological and play an important role in gut inflammation” – contribute with human cells? It is unclear what this means. And “interfere in a wide range of physiological processes”. Moreover, the phrase seems too long and repeats “and” too much. Please rephrase. 6. “promoted as a diet supplement for improving cholesterol level lowing blood pressure and promoting overall gut health” – similar issues. Lowering instead of “lowing” blood pressure, there should be a coma “,” between “improving cholesterol level” and “lowering blood pressure”. The word promote and promoting is used twice in one sentence. Please review the entirety of the text for such improvements. 7. “although comprehensive efforts to link microbial metabolism of pectin in the human gut [7]. “ – a continuation of the phrase seems to be missing. What about the comprehensive efforts to link the microbial metabolism? What is the idea conveyed here? 8. “development of probiotic and prebiotic strategies that maximize the human health” 9. “firmicutes” – should start with a capital letter since it is a bacterial phylum 10. “metabolize complex carbohydrates is less we understood [11].” 11. “medium [13]. we selected for each analysis condition for determination of pectin degradation ability of strain SF3T and carried out accordance with relevant guidelines and regulations and approved by the following methods and instruments.” – “we” to “We”. Also, phrase is unclear. Was there an analysis condition selected for each degradation ability of SF3T strain? Please rephrase 12. “ PY medium with different concentration 0.5%, 1% and 2% pectin. pectin was prepared anaerobically in serum bottles with 99.9%purity of nitrogen gas and sterilized by autoclave at 121o C for 30 min [15]. “ – once again, please reconsider the phrasing. First sentence does not contain a verb and it is not clear what 	

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	<p>the message is. First word of second sentence should start with a capital letter.</p> <p>13. “For determination of the growth value of strain SF3T and its pectin degradability, strain SF3T was inoculated with 10% of inoculum into 5ml tubes in basal medium containing 0.5%,1% and 2% pectin as carbon sources and sodium thiosulfate as an electron acceptor one control group without adding any carbon sources every group had three replicates and one blank culture were incubated at 37 oC for 65 hours with sampling at various incubation time (0, 20, 40, and 60 h) all samples were after centrifugation transferred supernatant to EP tubes for further analysis and stored at -80 oC.” – extremely long sentence, missing punctuation. Do not understand the message.</p> <p>These are a few examples of phrases that require review. There are several more in the manuscript.</p> <ul style="list-style-type: none"> • In the abstract it is mentioned that the incubation time was 48h, but in the results it is stated that there were 60h of incubation. Which one is the correct incubation time? • Conclusion: “The collective result of this study indicates that pectin degradation stimulates a wide range of microorganisms that could be directly or indirectly involved in pectin utilization or benefiting from the altered physiological conditions brought about pectin ingestions.” – which other bacteria? The manuscript describes the influence of pectin on <i>Hominibacterium faecale</i>. • “With the advancement in omics technologies, especially metabolomics, that can be answered to expected questions.” – did you mean that certain current questions on this subject may be answered? 	
<p>Optional/General comments</p>	<p>The research is interesting and helpful to the medical field, however the text in the manuscript needs professional English language revision and clarifications.</p>	

PART 2:

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

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