

Review Form 1.7

Journal Name:	Microbiology Research Journal International
Manuscript Number:	Ms_MRJI_95614
Title of the Manuscript:	Molecular characterization, Optimization and Production of PHA by indigenous bacteria using alternative nutrient sources as substrate
Type of the Article	Original 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:

(<https://www.journalmrji.com/index.php/MRJI/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)
Compulsory REVISION comments 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. (Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)	The replacement of conventional petro-based plastics with bioplastics is a relatively new and extremely interesting research topic. The importance of a sustainable plastics production model for the modern economy cannot be overestimated. The natural production of plastic using bacteria is a promising area that will reduce emissions of harmful substances into the environment from factories producing conventional plastic. Instead of oil, the resources for bioplastic production are organic waste or mineral chemicals. In addition, bacterial plastic is easily biodegradable, which solves the problem of waste. Therefore, there is no doubt that the research topic is extremely relevant. The title or the manuscript is suitable and clear and the abstract is comprehensive and sufficient. The manuscript is structured well, the only problem for me personally was that I was expecting results and discussions together, not in the separate parts of the article. But probably it is the demand of the journal. If not and it was the decision of the authors, I would recommend them to avoid such a structure of the manuscript in the future. The manuscript looks scientifically solid, the results correspond to the fresh literature, the conclusion is sufficient and based on the results of the investigation. The reference list is fine, although some typos in the formalization are mentioned. I have highlighted some other, mostly minor, questions, recommendations and corrections in the text of the manuscript, please, see the document attached.	
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	The language needs proof-reading. Mostly it is well-done, but from time to time there are some mistakes and typos. I have noted in the manuscript some of them, however, I am not a native English speaker, that is why a corrector should read it. A big problem for the authors is using of capital letters. Please, be careful with them.	
Optional/General comments	NA	

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?	(If yes, Kindly please write down the ethical issues here in details)	

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