



Name:	UTTAR PRADESH JOURNAL OF ZOOLOGY
Manuscript Number:	Ms_UPJOZ_3465
Title of the Manuscript:	Assessment Of Cow Urine as A Nutrient Medium for Indoor Cultivation of Spirulina sp
Type of the Article	

General guideline:

This journal believes that no manuscript should be rejected only on the basis of 'lack of Novelty', provided the manuscript is sufficiently robust and technically sound. Too often a journal's decision to publish a paper is dominated by what the Editor/reviewer think is interesting and will gain greater readership - both of which are subjective judgments and lead to decisions which are frustrating and delay the publication. This journal will rigorously peer-review your submissions and publish all papers that are judged to be technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

<http://mbimph.com/index.php/UPJOZ/editorial-policy>

1: Review Comments

	Reviewer's comment	Author's feedback
Compulsory REVISION comments		
1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)	1- Yes, it is important because it achieves economic feasibility.	1. Yes. I am trying to develop a low-cost medium for <i>Spirulina</i> culture using cow urine nutrients. 2. Yes 3. Yes 4. No, we don't require more laboratory images or additional results. 5. The nutritional properties of cow urine are mentioned in the introduction with references, why do I have to analyse it?
2. Is the title of the article suitable? (If not please suggest an alternative title)	2- Yes, it is appropriate because the search is simple and does not require a title more advanced than the current title	Cow urine possesses vital nutrients necessary for <i>Spirulina</i> growth. <i>Spirulina</i> culture is done using cow urine. A research paper of which is also available which I have mentioned in reference. The medium used for <i>Spirulina</i> culture and the concentration of cow urine were modified by us. Our study is innovative in that we tested the effects of cow urine on <i>Spirulina</i> . We tested various concentrations of cow urine (0.2 ml, 1 ml, 2 ml, 3 ml, and 4 ml) to assess their impact on <i>Spirulina</i> growth. <i>Spirulina</i> cultures cultivated at these varied concentrations were compared against those in the control medium. 0 ml taken for control medium (Without cow
3. Is the abstract of the article comprehensive?	3- The summary is simple and not comprehensive	
4. Are subsections and structure of the manuscript appropriate?	4- You do not need more laboratory images or additional results 5- It is not considered 100% scientific because there are many scientific shortcomings, for example the lack of a chemical and biological analysis of cow urine. We did not see a comparison between the live mass of algae grown on urine and that grown on natural algae media We did not observe compounds from the algae extract grown on urine with compounds from the algae grown	
5. Do you think the manuscript is scientifically correct?		
6. Are the references sufficient		

<p>and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>on the control medium What is the ratio of fats, proteins, phenols, pigments, oxidants, carbohydrates and enzymes between the algae extract grown on urine and compared to the control?</p> <p>6- The sources are very, very few, and even the introduction is few</p>	<p>urine medium). The results of <i>Spirulina</i> grown in different concentrations of cow urine were higher compared to the control medium.</p> <p>A- 0 ml (Control medium) Without cow urine B- 0.2 ml C- 1 ml D- 2 ml E- 3 ml F- 4 ml</p> <p>Our study is on <i>Spirulina</i> growth, specific growth rate, density, total carotenoids and chlorophyll. All the results of <i>Spirulina</i> grown using cow urine are discussed in detail. This type of medium and cow urine with different concentrations were used by us so that we compared the control medium with different concentrations of cow urine. The parameters of which have been discussed by us.</p> <p>6. Since sources are limited, I'm exploring the use of cow urine for <i>Spirulina</i> cultivation. In the introduction I have already mentioned what is spirulina, importance of <i>Spirulina</i>, cow urine nutrients. Also, reason is mention in introduction.</p>
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Minor REVISION comments		
Optional comments		

PART 2:

	Reviewer's comment	Author's comment <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>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	No