

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_123168
Title of the Manuscript:	Effect Of Nano Urea On Growth, Yield And Nitrogen Use Efficiency Of Irrigated Wheat (Triticum aestivum L.)
Type of the Article	

Review Form 3

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>
<p>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.</p>	<ol style="list-style-type: none"> 1- This manuscript is of great importance because wheat forms the basis of one-third of the world's population due to its content of protein, minerals and fibre, in addition to essential nutrients such as thiamine (B1), riboflavin (B2), niacin (B3), and small amounts of vitamin A. Therefore, much research should be done on this crop. 2- The importance of the research also comes from the use of nanotechnology, as researchers used nano-urea as an innovative and environmentally friendly alternative, as it enhances the use of nutrients, improves crop growth, yield, and quality, and contributes to maintaining soil health. When applied, the plant easily absorbs nano-urea through the stomata and other openings on the leaves, and it is quickly absorbed and distributed efficiently throughout the plant via the bark. 3- This manuscript demonstrated that nano-urea can be used with conventional urea without having any negative effect on high wheat productivity. 	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title of the article is suitable.</p>	
<p>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.</p>	<p>The abstract includes everything explained in the article.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>It is preferable for researchers to write a conclusion and explain the best treatment in order to make it easier for the reader of the research to reach the best treatment in a direct way.</p>	
<p>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.</p>	<ol style="list-style-type: none"> 1- This manuscript is considered good from a scientific point of view, as it used a strategic crop that is indispensable in most countries, especially India, as it is considered one of the basic crops. 2- Also from a scientific point of view, nanotechnology was used, which is one of the useful technologies in many fields, including agriculture. 3- However, the manuscript lacked some quality studies of wheat grains resulting from the use of treatments, or at least a quality study of wheat grains resulting from the best treatment. 	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>I think that researchers need to add more references to support the research, and it is possible to use this research "IMPACT OF SURFACE IRRIGATION MANAGEMENT ON WHEAT YIELD AND QUALITY PARAMETERS IN EGYPT"</p>	
<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The language/English quality of the article is fairly adequate for scientific communication.</p>	
<p>Optional/General comments</p>	<ol style="list-style-type: none"> 1- It is preferable if there is a possibility to conduct quality tests for wheat grains produced by the best treatment, as these tests will confirm the results of the treatments. 2- Please explain the statistical analysis in the tables. <p>There are no ethical issues in this manuscript. There are no competing interest issues in this manuscript.</p>	

Review Form 3

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>	

Reviewer Details:

Name:	Nermeen Mohamed Tolba Elmorsy
Department, University & Country	Agricultural Engineering Research Institute, Egypt