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| Book Name: | [**Research Perspectives of Microbiology and Biotechnology**](https://www.bookpi.org/bookstore/product/research-perspectives-of-microbiology-and-biotechnology-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_3799** |
| Title of the Manuscript:  | **Role of Bioactive Green Synthesized Nanoparticles in Various Diseases** |
| Type of the Article | **Book Chapter** |

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| PART 1: Review Comments |
| Compulsory REVISION comments | Reviewer’s comment | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **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 topic itself is actually very important and interesting according to the research that is being conducted these days.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **The tiltle is not suitable for this chapter. These are basically biomedicsl applications of green nanoparticles not diseases and only last 3 pages have some discussion about them.But I don’t understand why is there water remediation in the manuscript if you want to discuss only about diseases. Please decide which part of application you want to work on or you can simply write ‘Applications of green synthesis’ or ‘Role of green nanoparticles in various biomedical applications’** |  |
| 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. | **Abstract is abrupt it needs to be written again. You cannot tell what is the chapter is actually about after reading the abstract. At first it talks about green synthesis then it suddenly only mentions plant synthesis and next paragraph is about gold NPs which made me think its about them which is misleading. It should generally mention that these metals are employed in nanoparticle synthesis out of which gold is the most prominent due to its applications and properties etc……Green synthesis includes bacteria, algae fungi etc which are not mentioned at all only plants are suddenly mentioned.** |  |
| **Are subsections and structure of the manuscript appropriate?** | **The headings need to be checked like** ‘**Various Role of** **NPs’ does not make sense please check them all.The sections are not making sense I feel there is no cohesion between the paragraphs. English language needs to be improved as well. Some species are in italics rest are not, please check the formatting for the entire manuscript along with subscript and superscript for chemicals mentioned in the manuscript.** |  |
| **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.** | **It is ok but again latest techniques and approaches also need to be mentioned. Like you have mentioned diseases and various therapies add more of latest instruments used or treatments from latest articles from a good journal.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **Please try to use latest refrences you can add more.** |  |
| Minor REVISION commentsIs the language/English quality of the article suitable for scholarly communications? | **At this stage I think it needs to be improved the headings need correction, grammar is also lacking it will get better after revision.** |  |
| Optional/General comments | **I think it needs major revision, everything in my opinion needs to be rephrased and improved and after addition of latest references it can get better. At this stage it needs a lot of work.****Title: Role of Bioactive Green Synthesized Nanoparticles in Various Diseases**1. Please rephrase the title.
2. Please rewrite these lines in abstract. You didn’t discuss about types of different synthesis you suddenly talked about plants and neglected other types of green synthesis.

‘The green synthesis of NPs, which may include those obtained from plant extracts, thereby outlining a sustainable and biocompatible approach to nanobiotechnology. This green synthesis method is much less harmful than chemical processes by the aspect of toxicity’1. Add latest references the ones you have used are old now.
2. Focus on the diseases was needed as the manuscript is about that but authors have discussed other things as well which are not related to the biomedical field. Your title is ‘Role of Bioactive Green Synthesized Nanoparticles in Various Diseases’ chose one aspect like do you want to discuss applications generally or you want to just discuss the biomedical field.
3. In some places NPs abbreviation is written nps please correct it. Once you have mentioned the abbreviation it should be followed in the entire manuscript no need to mention in full again and again.
4. In many places the species names are not in italics like E. coli should be ‘*E. coli.’* Please recheck.
5. Chemical names (valencies and symbols) are not in subscript or superscript.
6. The first half of the manuscript needs more attention please work on the cohesion of paragraphs, headings and grammar.
7. Please recheck the SI units.
8. Please check the format for the manuscript as well.
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| **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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| **Reviewer Details:** |
| Name: | **Asma Shahzad** |
| Department, University & Country | **Lahore College for Women University, Pakistan** |