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| Book Name: | [**Microbiology and Biotechnology Research: An Overview**](https://www.bookpi.org/bookstore/product/microbiology-and-biotechnology-research-an-overview-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4840** |
| Title of the Manuscript: | **A review on Asparagus plant tissue culture and biotechnology** |
| Type of the Article | **Book Chapter** |

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**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | 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. A minimum of 3-4 sentences may be required for this part.** | This review very fully and in detail covers all cultural-biotechnological and molecular-genetic studies that were carried out on such an important agricultural crop as Asparagus. Such issues as cell cultivation, somatic embryogenesis, regeneration processes, and organogenesis are considered. The issues of somaclonal variability and germplasm preservation are considered. The authors briefly mention even the issues of molecular-genetic markers, poorly developed in Asparagus and, unfortunately, scant attempts at genetic transformations of this plant. Indeed, there have been no any attempts to apply genome editing methods to Asparagus in world practice yet. The review is written in a clear and understandable language, illustrated with detailed tables, and may be of interest to biologists working with monocots and their cell cultures. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | Title is suitable |  |
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| **PART 2:** | | |
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| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in detail)* |  |

**Reviewer details:**

**Serge Rozov, Institute of Cytology and Genetics SD RAS, Russia**