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| Book Name: | [**Pharmaceutical Science: New Insights and Developments**](https://www.bookpi.org/bookstore/product/pharmaceutical-science-new-insights-and-developments-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5882** |
| Title of the Manuscript: | **From tradition to modern science: A comprehensive review of Nardostachys jatamansi's therapeutic benefits and pharmacological activities** |
| Type of the Article | **Book Chapter** |

**Special note:**

**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.**

**Journal of Pharmacognosy and Phytochemistry, 14(2): 590-596, 2025.**

**DOI:** [**https://www.doi.org/10.22271/phyto.2025.v14.i2g.15337**](https://www.doi.org/10.22271/phyto.2025.v14.i2g.15337)

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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.** | The chapter titled "From tradition to modern science: A comprehensive review of Nardostachys jatamansi's therapeutic benefits and pharmacological activities" holds immense importance for the scientific community as it gathered information from Ayurvedic texts, modern scientific literature, and electronic databases with aims to consolidate existing knowledge on *Nardostachys* *jatamansi* (Indian spikenard), exploring its historical significance, botanical characteristics, chemical composition, and pharmacological activities. With those insights this manuscript provide a comprehensive resource for researchers and clinicians. The chapter mentioned the traditional uses of  *Nardostachys* *jatamansi* in Ayurveda including treatments for neurological, cardiovascular, and dermatological conditions. Additionally, this chapter has gone through modern pharmacological studies which support its antifungal, antibacterial, hepatoprotective, cardioprotective, hypolipidemic, antidepressant, antioxidant, neuroprotective, antiparkinson, anticonvulsant, anti-hyperglycemic, and anticancer activities. By exceptionally highlighting the key molecules of great relevance in these health advantages including jatamansone and nardostachone, this manuscript has highlighted the plant's varied and strong chemical profile. At last the chapter has mentioned that although the data supporting its therapeutic worth is compelling, more study-especially clinical trials-is required to understand how *Nardostachys* *jatamansi* functions in the body completely and to validate its safety and efficacy in human treatments. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **The title of the article is suitable. It is appropriately representing the broader context and key highlighted portions.** |  |
| 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. | **Yes, the abstract of the article is comprehensive as well as well structured, mentioning** Objectives, data sources, review methods, results and conclusions. |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes, the manuscript is scientifically correct with appropriate usage of English language, acceptable for the journal, maintaining scientific integrity and quality of a reputed journal.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **The references are sufficient and almost recent. Some references which are before 2010 can be considered as they satisfy the historical contexts and prior works. However, the author may replace the citation “**Dixit, V.P.; Jain, P.; Joshi, S.C.; Hypolipidaemic effects of Curcuma longa L and Nardostachys jatamansi, DC in triton- induced hyperlipidaemic rats, Indian J PhysiolPharmacol, 1988, 32, 299-304.”as it is too much older. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The language/English quality of the article is suitable for scholarly communications. |  |
| Optional/General comments |  |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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 detail)* |  |

**Reviewer details:**

**Sreedeep Dey, University of Calcutta, India**