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| Book Name: | [**Disease and Health: Research Developments**](https://www.bookpi.org/bookstore/product/disease-and-health-research-developments-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4877** |
| Title of the Manuscript: | **Antioxidants: Occurrence, Chemistry and Health Effects** |
| Type of the Article | **Book Chapter** |

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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.** | **Tt provides a comprehensive overview of the role of antioxidants in human health and disease prevention. By summarizing the mechanisms of antioxidant activity and their potential health benefits, it contributes to a deeper understanding of how dietary and endogenous antioxidants protect against oxidative stress. The information presented can serve as a valuable resource for researchers, healthcare professionals, and nutritionists seeking to develop new strategies for disease prevention and health promotion. Furthermore, this work highlights the need for continued research into the efficacy of different antioxidants, their interactions, and their potential therapeutic applications.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes** |  |
| 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 well-structured and comprehensive, covering key aspects of antioxidants, including their sources, mechanisms of action, and health benefits. However, I have a few suggestions to improve clarity, conciseness, and completeness**   1. **Clarify the Role of Free Radicals and Oxidative Stress** 2. **Refine the Explanation of Antioxidant Action** 3. **Strengthen the Health Benefits Section** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **The manuscript is scientifically correct in its discussion of antioxidants, their sources, mechanisms, and health benefits.**  **Minor Areas for Improvement:**   1. **Mechanistic Details** 2. **Scientific Precision** 3. **Supporting Evidence** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Yes** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes |  |
| 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)* |  |

**Reviewers:**

**S.M.Shaheedha, India**