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| Book Name: | [**Chemistry and Biochemistry: Research Progress**](https://www.bookpi.org/bookstore/product/chemistry-and-biochemistry-research-progress-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5513** |
| Title of the Manuscript: | **BIOCHEMICAL PATHWAY OF FLAVONOIDS BIOSYNTHESIS** |
| 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.** | **Flavonoid biosynthesis, a key metabolic process in plants, primarily occurs through the phenylpropanoid pathway, a branch of the shikimate pathway. This pathway starts with phenylalanine, which is converted to cinnamic acid, then to 4-coumaroyl-CoA. The central step involves chalcone synthase (CHS), which catalyzes the condensation of 4-coumaroyl-CoA and three malonyl-CoA molecules to form chalcones, the building blocks for all flavonoids.** |  |
| **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. | **Not accurate.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **No reference has been cited in the manuscript.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **Not good.** |  |
| Optional/General comments | COMMENTS   1. No reference has been cited in the manuscript 2. No molecular pathway has been shown exactly. 3. At the end of the manuscript, a reference has been given. 4. Many grammatical errors. |  |

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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:**

**Rajesh Yadav, Sharda University, India**