We sincerely thank the editor and all reviewers for their valuable feedback that we have used to improve the quality of our manuscript. Changes to the manuscript we have shown in red in the text.

Question： 1–I recommend making a final English revision. There are a few mistakes.

Answer: Regarding linguistic errors, we have invited professionals from native-speaking countries to revise the manuscript. And we hope the revised manuscript could be acceptable for you.

Question： 2–Line 113: Which metabolic "… significant involvement in the metabolic changes observed" means? This is not totally clear.

Answer: Changes in metabolites, especially flavonoids and phenolic acids, mean that bud differentiation of *Mikania micrantha* may be affected. We have made a change in line 121.

Question： 3 – Line 224-240: Authors are not discussing the results. Rewrite or delete this sentence.

Answer: We have carefully considered your suggestions and have made changes, correcting lines 236-237, 239-240, and 252-256 in the text in red.

Question： 4 – Line 244: Which "… important roles …."?

Answer: We have changed it in lines 259-260: "In plants, the accumulation of phenolic acids and flavonoids promotes or inhibits floral developmental processes."

Question： 5 – Line 252: (+)-catechin; p-coumaric acid "p" is in italic form.

Answer: We have changed the 'p' to italics.

Question： 6 – Line 293-299: Rewrite and all this paragraph must be introduced in conclusions.

Answer： We have removed lines 293-299 and reflected them in the conclusion. The exact location is in lines 380-389 of the revised draft.

Question： 7 – Could you introduce more details related with these climatic conditions?

Answer: We think this is a good comment, and we have added annual precipitation, relative humidity, storm water runoff, temperature, and light climatic conditions, specifically located on lines 76-83 in the revised draft.

Question： 8 – PCA analysis was carried out using which software?

Answer： PCA analysis using Analyst 1.6.1 software, the relevant note has been added to lines 336-338 of the manuscript.

In response to your comments, we have made comprehensive changes. These changes do not affect the content and framework of this paper We sincerely thank the reviewers for their enthusiastic work and hope that the changes made will be recognized. Once again, we thank you all for your comments and suggestions.

English Editing Certificate:

We certify that the following article

Combined analysis of transcriptomics and metabolomics revealed that phenolic acids and flavonoids play important roles in the differentiation of flower buds in Mikania micrantha

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has undergone English language editing by MDPI. The text has been checked for correct use of grammar and common technical terms, and edited to a level suitable for reporting research in a scholarly journal.
MDPI uses experienced, native English speaking editors. Full details of the editing service can be found at
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Basel, Switzerland
November 2023

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