Author's response to reviews

Title: Evaluation of in vitro and in vivo Biological Activities of Cheilanthes albomarginata Clarke

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Author's response to reviews: see over
Cover letter,

I am Ramakanta Lamichhane from Nepal, but doing my master’s degree in Republic of Korea. During the search for journals for publishing my research done in master program I came across with different journals. Among them my interest drew towards this BMC Complementary and Alternative Medicine. The format of writing abstract in this paper is awesome. It includes all important things of a paper in separate titles which not only help to quick understanding the content of the paper but also easy to get idea about the paper. Another important reason for selecting this journal is that the content of my paper as well as the aim of my research matches perfectly with the objectives of this paper. I like the way this journal gives priority to the works on new plant and give importance to the medicinal potential of plants. My work is also carried out on a new plant. It is a fern. Generally research work on ferns are rarely carried as people think that ferns have not such extraordinary activity and they become quite skeptical to invest energy and capital on fern researches. So the pteridophyte family is quite neglected compared to other family in terms of research work. Despite this, I am encouraged to do research on this plant being a fern. To come up with extraordinary results is only not a research, but to draw information or explore something even though it may be simple can also be a research. I tried to expand the knowledge of fern plants. Ferns also consist of some unusual flavonoids. This work is the first research in the plant *Cheilanthes albomarginata*. This plant had not much information regarding the antioxidant potential, anti-inflammatory and anti-adipogenic activity. So I focused those activities in this study. Moreover some ferns are toxic. But the animal study of this study has showed that this plant is not toxic and there is no risk if we take this plant for incorporation in any formulation or remedies. That’s why I have considered this research as an important research in the field of complementary and alternative medicine and has also played an important role to expand the knowledge and information of fern.

Changes made-

Abstract was added in the manuscript.

In the result portion of the abstract, some changes were made like activity of DPPH radical scavenging and hydrogen peroxide scavenging test were expressed in IC 50

Competing interest was added

Authors contributions were added

Acknowledgement was written
*In vivo* assay (Animal experiment)

Body weight, food intake and food efficiency ratio

However, in the group fed with crude methanol extract (HFD-M) and phenolic fraction (HFD-B) the final body weight was decreased by 19.04% and 14.81% respectively.

Changed to

However, in the group fed with crude methanol extract (HFD-M) and phenolic fraction (HFD-P) the final body weight was decreased by 19.04% and 14.81% respectively.