Review Form 1.7

Journal Name:	**Asian Journal of Research in Biochemistry**
Manuscript Number:	**Ms_AJRB_115365**
Title of the Manuscript:	**MESO COMPOUNDS SYSTEMATIZATION – A CHEMICAL PARADOX AND A GROUP OF SUPER-SYMMETRIC COMBINATIONS**
Type of the Article	

Review Form 1.7

PART 1: Review Comments

	Reviewer's comment	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Compulsory REVISION comments **1. Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) **2. Is the title of the article suitable?** (If not please suggest an alternative title) **3. Is the abstract of the article comprehensive?** **4. Are subsections and structure of the manuscript appropriate?** **5. Do you think the manuscript is scientifically correct?** **6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	**The article titled "MESO COMPOUNDS SYSTEMATIZATION – A CHEMICAL PARADOX AND A GROUP OF SUPER-SYMMETRIC COMBINATIONS"** • The entire manuscript is well written. • Abstract is comprehensively written. • Scientifically well written. • Need to cite the suggested references.	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	**General comments:** • The- study discusses the definition of meso compounds and their relationship with C2 symmetrical isomers, revealing a chemical paradox and introducing a new group called super symmetrical compounds. • A systematization of meso compounds is presented, categorizing them into different types based on their structural features and symmetrical properties. • The study claims that this systematization of meso compounds is possibly the first of its kind in the chemical literature, indicating a potential advancement in the understanding of these compounds. **Address the following comments:** • The study mentions a paradoxical behavior observed in one of the inositol isomers, but it doesn't delve into the specifics of this behavior or its implications. In this regard, it needs to be explained in the main text. • While the study mentions the significance of meso compounds as a chemical duality and their potential philosophical implications, it doesn't elaborate on how exactly they constitute a "treasure for chemical duality" or why they are philosophically important. In this context, it needs to be elaborated on in the main text. • The Conclusion section should be revised into paragraph format. • Some of the paragraphs do not cite suitable references; appropriate references need to be added. After reference number 4, need to cite the following reference:	

	1. Wu, Y.S., Lee, M.F., Guad, R.M., Ozeer, F.Z., Velaga, A., Subramaniyan, V., Fuloria, N.K., Fuloria, S., Choy, K.W., Lee, S.M., Gopinath, S.C.B., Verma, A., Lau, T.P. Insights on Anticancer Activities, Associated Phytochemicals and Potential Molecular Mechanisms of Quisqualis indica: A Mini Review [Article@Pandangan tentang Aktiviti Antikanser, Fitokimia Berkaitan dan Mekanisme Molekul Berpotensi Quisqualis indica: Suatu Kajian Mini] (2023) Sains Malaysiana, 52 (6), pp. 1749-1758. After reference number 11, need to cite the following reference: 2. Khan, F., Joshi, A., Devkota, H.P., Subramaniyan, V., Kumarasamy, V., Arora, J.Dietary glucosinolates derived isothiocyanates: chemical properties, metabolism and their potential in prevention of Alzheimer's disease (2023) Frontiers in Pharmacology, 14, art. no. 1214881. After reference number 19, need to cite the following reference: 3. Ee, J.W., Velaga, A., Guad, R.M., Subramaniyan, V., Fuloria, N.K., Fuloria, S., Choy, K.W., Wu, Y.S. Deciphering Synsepalum dulcificum as an Arising Phytotherapy Agent: Background, Phytochemical and Pharmacological Properties with Associated Molecular Mechanisms [Article@Mentafsir Synsepalum dulcificum sebagai Agen Fitoterapi yang semakin Meningkat: Latar Belakang, Sifat Fitokimia dan Farmakologi dengan Mekanisme Molekul Berkaitan] (2022) Sains Malaysiana, 51 (1), pp. 199-208. After reference number 40, need to cite the following reference: 4. Sathasivam, K.V., Haris, M.R.H.M., Fuloria, S., Fuloria, N.K., Malviya, R., Subramaniyan, V. Chemical modification of banana trunk fibers for the production of green composites (2021) Polymers, 13 (12), art. no. 1943. After reference number 76, need to cite the following reference: 5. Bajaj, S., Fuloria, S., Subramaniyan, V., Meenakshi, D.U., Wakode, S., Kaur, A., Bansal, H., Manchanda, S., Kumar, S., Fuloria, N.K. Chemical characterization and anti-inflammatory activity of phytoconstituents from swertia alata (2021) Plants, 10 (6), art. no. 1109. After reference number 86, need to cite the following reference: Sharma, P.K., Fuloria, S., Alam, S., Sri, M.V., Singh, A., Sharma, V.K., Kumar, N., Subramaniyan, V., Fuloria, N.K. Chemical Composition and Antimicrobial Activity of Oleoresin of Capsicum annuum Fruits (2021) Mindanao Journal of Science and Technology, 19 (1), pp. 29-43. **Report:** After addressing the suggested comments, this paper can be published in the Asian Journal of Research in Biochemistry	
Optional/General comments	Nil	

PART 2:

	Reviewer's comment	**Author's comment** *(if agreed with 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 details)*	

Review Form 1.7

Reviewer Details:

Name:	**Vetriselvan Subramaniyan**
Department, University & Country	**School of Medicine and Health Sciences, Monash University, Malaysia**