

**Editor comment on “Statistical characteristics of raindrop size distribution over Western Ghats of India: wet versus dry spells of Indian Summer Monsoon” by Uriya Veerendra Murali Krishna et al.**

**General Comment** *I find a substantial improvement in the revised MS and the authors have the referee concerns. Thank you for revising the MS. The MS is now ready for publication in ACP, but please consider the below-given suggestions too.*

**Response** We are indebted to the editor for his valuable and thoughtful comments on the manuscript. We went through all the editor comments and suggestions and implemented the same in the revised manuscript. Point-to-point clarifications for the comments and how we have addressed each recommendation is provided below.

**Specific Comments**

**Comment. 1** *L1: analysed for*  
**Response** Thanks. Corrected.

**Comment. 2** *L3: ISM periods in 2012-2015*  
**Response** Corrected.

**Comment. 3** *L5: not very prominent*  
**Response** Corrected.

**Comment. 4** *L6: “. However; ”*  
**Response** Corrected.

**Comment. 5** *L6: What are the dynamical processes? Write at least one , like “dynamical processes such as ...”*  
**Response** The appropriate sentence is corrected as “However, the underlying dynamical parameters such as moisture availability, vertical wind, etc. cause the differences in DSD characteristics.”

**Comment. 6** *L11: write the main differences here.*  
**Response** The necessary sentence is added.

**Comment. 7** *L44: Henceforth,*  
**Response** Corrected

**Comment. 8** *L50: write “,” instead of along with*  
**Response** Corrected.

**Comment. 9** *L54: not elements but “cells”*  
**Response** The sentence is modified as “All these features promote the anomalous south-westerlies, which enhances convective activity over WGs.”

**Comment. 10** *L54: “which, enhances convective activity“*  
**Response** The sentence is modified as “All these features promote the anomalous south-westerlies, which enhances convective activity over

WGs.”

- Comment. 11** *L56: What atmospheric condition?*  
**Response** The sentences is modified as “... positive geopotential height anomalies, positive OLR anomalies, and negative precipitable water anomalies are observed during the dry spells, which suppress the convective activity in the Arabian Sea, and hence little to no rain is seen over WGs during dry periods”
- Comment.1 2** *L60-73: One important reference missing in this section is Varikoden et al. doi.org/10.1007/s00382-018-4397-7. They discuss how the rainfall changed over WG in the past decades, and the differences in rainfall trends in the northern and southern WG.*  
**Response** The importance of spatial variability of rainfall in WGs is added in the introduction with appropriate references.
- Comment. 13** *L67: “region, and found that the larger drops are relatively higher at Munnar”*  
**Response** Thanks. Corrected.
- Comment. 14** *L71-72: can you write the mid and high altitudes in km here?*  
**Response** Sumesh et al. (2019) studied the DSD differences between mid- (Braemore, 0.4 km above mean sea level) and high-altitude (Rajamallay, 1.8 km above mean sea level) regions in southern WGs during brightband events.
- Comment. 15** *L80: Can you write the answers to these five points in Abstract?*  
**Response** Thanks for the suggestion. The key findings of this study are added in the abstract.
- Comment. 16** *L112: “small drops do not significantly affect”*  
**Response** Corrected.
- Comment. 17** *L211: droplet growth*  
**Response** Corrected.
- Comment. 18** *L212: “indicates drop breakup and evaporation ...”*  
**Response** Corrected.
- Comment. 19** *L275: “are available”*  
**Response** Corrected.
- Comment. 20** *Conclusions: There are eight points and some are discussed in the text and are not new. Please give the new information from your study here.*  
**Response** Thanks. The conclusion section is summarized with major findings from the present observations.
- Comment. 21** *Figure 8, 9, and 10: Make the y-axis uniform with respect to the values (give a common range) so that we can compare them. Also, combine all three to single figure with sub-plots.*

**Response**            **Thanks. Figure 8, 9, 10 are combined and shown with Figure 8 in the manuscript. The y-axis range made uniform in figure 8.**

**Comment. 22**    *Figure 16: is should be introduced in the last paragraph of the discussion, not in conclusion.*

**Response**            **Thanks. Figure 16 is added in the discussion section as Figure 13 in the revised manuscript.**