Review Report

This is the revised version of manuscript. Authors have made some revisions. However, the paper is still not well written and the grammar needs to be improved. Without significant revision, the quality of this paper is not sufficient to be published.

The specific comments are as follows:

1. There are some grammatical or spelling mistakes which should be double checked in the paper. For example, "In term of size, … activities."; "Rasht receives, … every year"; "Because of its neighborhood with … condition"; "Increased relative humidity along with … flows"; etc. Therefore, I recommend that the authors may need to lucid this paper and reread every single sentence in it carefully.

2. -Table 1 has little relation with the main idea, so I recommend delete it and just mention it in the section related;

   -The marks of lon, lat, and station in the Fig.1 are hard to see;

   -I would omit the title of "2 Methodology" in section 2;

   -Some abbreviations (e.g. SCDATA, GRAWMET) need full names;

   -The line chart (Fig. 4 – Fig. 15) need to be further beautification (Excel also has strong power!), and some of them can be merged into one figure; "10PM" should be

replaced by "PM_{10}", same for "2.5PM";

3. Did the white areas stand for missing data in the Fig.17? If so, I can't see that the AOD in western areas are the largest.

4. Can you add some descriptions to explain the phenomenon you found (e.g. "The variation of PM_{10} concentrations were greater than that of $PM_{2.5}$ in dust emission conditions", cuz this phenomenon might be interesting)?

5. The title in correct English should be "Investigation of the relation between variations of the PM10PM2.5 concentrations and meteorological parameters in dust storms in Rasht city over the southwestern region of Caspian Sea"

6. The abstract is too long, please cut the unnecessary sentences and present your own work with research highlights in abstract.

7. Keyword: south-west region of the Caspian Sea, dust emission, concentration of aerosol, atmospheric parameter, R^2 should be rewritten. Please delete R^2.