Dear reviewer,

I would like to thank you for your valuable comments and recommendations. I really appreciate your effort to improve the quality of our manuscript.

According to your comments the manuscript was modified and required information were added.

1. What is the benefit of using ANN Technique?

   This is added, please see lines: 272-280.

2. Its looked better if, author compare their results to others work.

   The result of the study is compared, please see lines: 435-439.

3. Future scope should be added.

   The future scope will be focused on the evaluation of the individual region with the highest PE change and within the specific periods as it is spring, summer or autumn.

4. Even though the authors briefly mentioned, it would be better to provide industrial or engineering examples where the proposed approach can be used.

   Please see the newly added part – lines: 489-492.

5. The introduction section does not highlight your contribution. Please mention your contributions/novelty clearly with bullet points in introduction section.

   Please find this information in the lines 78-81.

   The limitations of the proposed model should be added conclusion section

   Please find this information in the lines: 469-476.

I look forward to hearing from you in case of any further comments you may have.

Sincerely,

Beáta Novotná