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### **ABSTRACTS BOOK**

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**TEMPORAL TRENDS OF EXTREME PRECIPITATION AND TEMPERATURE INDICES*****CIHANGIR KOYCEGIZ<sup>1</sup>, MERAL BUYUKYILDIZ<sup>2</sup>***<sup>1</sup> Konya Technical University, Turkey;<sup>2</sup> Konya Technical University, Turkey**ABSTRACT**

In this study, 45 years of daily total precipitation, daily minimum and maximum temperature data between 1975-2019 belonging to Niğde station (No: 17250) operated by the State Meteorology office were used. A total of 8 precipitation and temperature indices were applied to these data. The changes of the determined index values were examined using Mann-Kendall and Mann-Kendall Rank Correlation tests. As a result of the application, a generally significant increase was observed in the indices of both low temperature data and high temperature data. There is a significant decrease in the number of consecutive wet days (CWD) in the analyzed precipitation indices, while there is an increase in the other precipitation indices, although there is no significant trend.

**KEYWORDS** - Mann-Kendall, precipitation, temperature, trend