Supplementary material: -
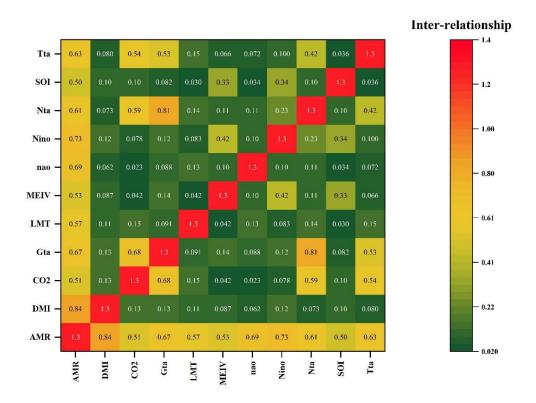

Fig. 1. Mutual information values to test associations between extreme rainfall and climate covariates and among covariates. [Station 1].

In this figure the interaction between the annual maximum rainfall and all the covariates used is described for station 1. The selected covariates to model nonstationary behaviour of AMR should have some physical meaning in define the nonstationary. The same is evaluated by defining the mutual information among the AMR and the covariates.