

Review Form 1.6

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_86651
Title of the Manuscript:	An Evaluation of the Performance of five Meteorological Drought Monitoring Indices over an Arid and Semi-Arid Region of Gujarat (India).
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy>)

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<p>The manuscript in general is well structured and well written. Nevertheless, some points must be addressed.</p> <ol style="list-style-type: none">The authors should increase the bibliography. At this point the bibliography is very poor. There are many studies throughout the world in order to do that. Here a list that you can use in order to increase bibliography:<ol style="list-style-type: none">Tsesmelis, D.E.; Karavitis, C.A.; Kalogeropoulos, K.; Tsatsaris, A.; Zervas, E.; Vasilakou, C.G.; Stathopoulos, N.; Skondras, N.A.; Alexandris, S.G.; Chalkias, C.; Kosmas, C. Development and Application of Water and Land Resources Degradation Index (WLDI). Earth 2021, 2, 515-531. https://doi.org/10.3390/earth2030030Tsesmelis, D.E.; Karavitis, C.A.; Kalogeropoulos, K.; Zervas, E.; Vasilakou, C.G.; Skondras, N.A.; Oikonomou, P.D.; Stathopoulos, N.; Alexandris, S.G.; Tsatsaris, A.; Kosmas, C. Evaluating the Degradation of Natural Resources in the Mediterranean Environment Using the Water and Land Resources Degradation Index, the Case of Crete Island. Atmosphere 2022, 13, 135. https://doi.org/10.3390/atmos13010135Demetrios E. Tsesmelis, Constantina G. Vasilakou, Kleomenis Kalogeropoulos, Nikolaos Stathopoulos, Stavros G. Alexandris, Efthimios Zervas, Panagiotis D. Oikonomou and Christos A. Karavitis. (2022). Drought Assessment using the Standardized Precipitation Index (SPI) in GIS Environment in Greece. In: Computers in Earth and Environmental Sciences. Artificial Intelligence and Advanced Technologies in Hazards and Risk Management. Ed. Hamid Pourghasemi, Elsevier.Karavitis, C.A.; Alexandris, S.; Tsesmelis, D.E.; Athanasopoulos, G. Application of the Standardized Precipitation Index (SPI) in Greece. Water 2011, 3, 787-805. https://doi.org/10.3390/w3030787Christos A. Karavitis, Christina Chortaria, Stavros Alexandris, Constantina G. Vasilakou & Demetrios E. Tsesmelis (2012) Development of the standardised precipitation index for Greece, Urban Water Journal, 9:6, 401-417, DOI: 10.1080/1573062X.2012.690431Tsesmelis, D.E.; Karavitis, C.A.; Oikonomou, P.D.; Alexandris, S.; Kosmas, C. Assessment of the Vulnerability to Drought and Desertification Characteristics Using the Standardized Drought Vulnerability Index (SDVI) and the Environmentally Sensitive Areas Index (ESAI). Resources 2019, 8, 6. https://doi.org/10.3390/resources8010006Fig. 1 Location Map of Study Area Gujarat (India) should present the whole Gujarat state. The western part is hidden.Please present maps with the results of classification of SPI, RDI, SPEI, PDN and EDI.The authors should increase the Methodology Section. At this point is very short and non-informative.The authors should separate the Results and Discussion section.The authors should take care the whole manuscript in order to eliminate gaps between words etc.The authors should increase Conclusions section.	Comment accepted and considered
Minor REVISION comments		
Optional/General comments		

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	