Your review report

Manuscript

Analysis and forecasting drought characterisation with using Markov chain model

Feedback for the author(s)

Review file(s)

📄 A review of Analysis and forecasting drought characterisation with using Markov chain model.docx

Comments to the author(s)

A Brief review and comparison of rainfall-runoff models for flood forecasting
To author
The manuscript contains the novelty about drought forecasting and relationship with climate fluctuations that cause a lot of damage every year, and the technique and analysis can use in different case studies. However, my comments that can help the authors to develop the paper are shown in below:
1) Spacing needs to be checked carefully. There are many words joined together without spaces.
2) There are lack of comparison your work with previous works that you can develop it. Please extend discussion section with new reference and citation.
3) Please add some of researches which currently consider effects of drought forecasting and climate change, so reference can update.
4)Please update the references and citations

Confidential feedback for the Editor

Your recommendation	• *Accept*
Is the experimental procedure or study design appropriate to answer the research question (including the use of appropriate controls)? Are the conclusions supported by the evidence presented?	• *Yes*
Please rate the novelty of the research on a scale of 1–5 (1=not at all novel and 5=extremely novel)?	• *4*
Comments	*The research is acceptable and can be published as it contributes to knowing and determining the times of drought returning and climate change effect by using Makove chain. From this point of view, we ask your journal agree after the changes required to publish it*
Is the presentation of the work clear, with regards to language and grammar?	• *Needs some language corrections before being published*
Does the title and abstract of this paper clearly reflect its content? And are the keywords representative of the research?	• *Yes*
Does the introduction present the purpose of the research investigation and is the purpose supported by the pertinent literature?	• *Yes*
Are the methods described sufficiently to allow the research study to be repeated by other parties? Is the software data code provided sufficient to be replicated?	• *Yes*
If applicable to the paper? Is the use of statistics and treatment of uncertainties appropriate?	• *Yes, it is*
Are the images in this manuscript free from improper manipulation?	• *Yes*
Are the tables and figures well designed and necessary?	• *Yes*

Are the references provided appropriate and up to date?

- *Yes*

Confidential comments to the Editor

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