

GUEDE KANON GUEDE

Email: kguedson@gmail.com

Phone : +86 15951716372

EDUCATION :

2019-2024: Ph.D. in hydrology, Hohai University, China

2013-2016: MSc in hydrogeology, University Félix Houphouët Boigny, Cote d'Ivoire

2008-2013: BSc in geology, University Félix Houphouët Boigny, Cote d'Ivoire

WORKING EXPERIENCE:

04/2025-present: Postdoc, Tongji University, China

RESEARCH INTEREST:

Hydrological Modeling; Cold-region hydrology; Climate Change; Geostatistical Analysis; Landuse Systems; Permafrost hydrology; Remote Sensing.

PUBLICATIONS:

1- Guédé, K. G., Zhongbo Yu , Slobodan P. Simonovic, Huanghe Gu, Ghislain Franck Emani, Ousmane Badji , Xuegao Chen, Brice Sika , Bernard Adiaffi (2025). Combined effect of landuse/landcover and climate change projection on the spatiotemporal streamflow response in cryosphere catchment in the Tibetan Plateau. **Journal of Environmental Management**. (SCI) - **Q1** Link: <https://doi.org/10.1016/j.jenvman.2025.124353>

2- Emani, G.F., Xu, W., **Guédé, K.G.** et al.(2025) Advancing Global Landslide Segmentation: A Coupled Multispectral Attention and Data Augmentation Approach Using the Novel MRGSLD Dataset. **Earth Systems and Environment**. (SCI) – **Q1**. link: <https://doi.org/10.1007/s41748-025-00577-3>

3- Guédé, K.G., Yu, Z., Hofmeister, F., Gu, H., Mohammadi, B., Chen, X., Lin, H., Shen, T. and Gouertoumbo, W.F. (2024), Geostatistical Interpolation Approach for Improving Flood Simulation Within a Data-Scarce Region in the Tibetan Plateau. **Hydrological Processes**, 38: e15336. (SCI) - **Q1**. Link: <https://onlinelibrary.wiley.com/doi/10.1002/hyp.15336>

4- Guédé, K. G., Yu, Z., Gu, H., Badji, O., Ahmed, N., Sika, B., & Oga, Y. M. S. (2024). Sensitivities of hydrological processes under climate warming and Landuse/landcover change in the Lhasa basin, Tibetan plateau. **Journal of Hydrology: Regional Studies**, 52, 101731. (SCI) - **Q1**.

Link: <https://www.sciencedirect.com/science/article/pii/S221458182400079X>

5-Badji, O., Zhu, Y., Lü, H., **Guédé, K. G.,** Chen, T., Oumarou, A., and Brice, S. (2023). The Effects of Drought in the Huaibei Plain of China Due to Climate Change. **Atmosphere**, 14(5), 860. (SCI) - **Q2**. Link: <https://www.mdpi.com/2073-4433/14/5/860>

6- Adiaffi, B., Marlin, C., Koudou, A., Assoma, V. T., **Guédé, K.,** Oga, Y. M. S., and Monvoisin, G. (2021). Geochemical processes in the groundwater of Soubré, Ivory Coast, West Africa: evidence from ^{14}C , ^{13}C , ^{18}O , ^2H and major ions. **Journal of African Earth Sciences**, 184, 104382. (SCI) - **Q2**. Link: 10.1016/j.jafrearsci.2021.104382