

## PUBLICATION IN PEER REVIEW JOURNALS

- **Tamoffo, A. T.**, Vondou DA, Pokam WM, Haensler A, Yepdo ZD, Fotso-Nguemo TC, Tchotchou LAD, Nouayou R (2019) Daily characteristics of central african rainfall in the remo model. *Theoretical and Applied Climatology*, 137(3-4), 2351-2368. doi:10.1007/s00704-018-2745-5
- **Tamoffo, A. T.**, Wilfran Moufouma-Okia, Alessandro Dosio, Rachel James, Wilfried M. Pokam, Derbetini A. Vondou, Thierry C. Fotso-Nguemo, Guy Merlin Guenang, Pierre H. Kamsu-Tamo, Grigory Nikulin, Georges-Noel Longandjo, Christopher J. Lennard, Jean-Pierre Bell, Roland R. Takong, Andreas Haensler, Lucie A. Djiotang Tchotchou, Robert Nouayou (2019) Process-oriented assessment of RCA4 regional climate model projections over the Congo Basin under 1.5°C and 2°C global warming levels: Influence of regional moisture fluxes. *Climate Dynamics*, 53(3-4), 1911-1935. doi:10.1007/s00382-019-04751-y
- Guenang GM, Komkoua MAJ, Pokam MW, Tanessong RS, Tchakoutio SA, Vondou A, **Tamoffo AT**, Djiotang L, Yepdo Z, Mkankam KF (2019) Sensitivity of spi to distribution functions and correlation between its values at different time scales in central africa. *Earth Systems and Environment*, 3(2), 203-214. doi:10.1007/s41748-019-00102-3
- Alessandro Dosio, Andrew Turner, **Tamoffo, A. T.**, Mohamed Bamba Sylla, Christopher Lennard, Richard Jones, Lauernt Terray, Grigory Nikulin, Bruce Hewitson. A tale of two futures: contrasting scenarios of future precipitation for West Africa from an ensemble of Regional Climate Models. *Environmental Research Letters*, 15(6), 064007. doi:10.1088/1748-9326/ab7fde
- **Tamoffo, A. T.**, Dosio, A., Vondou, D. A., Sonkoué, D. (2020). Process-based analysis of the added value of dynamical downscaling over Central Africa. *Geophysical Research Letters*, 47(17). doi:10.1029/2020gl089702
- **Tamoffo, A. T.**, · Grigory Nikulin · Derbetini A. Vondou · Alessandro Dosio · Robert Nouayou5 · Minchao Wu · Pascal M. Igri, (2021) Process-based assessment of the impact of reduced turbulent mixing on Congo Basin precipitation in the RCA4 Regional Climate Model. *Climate Dynamics*, 56(5-6), 1951-1965. doi:10.1007/s00382-020-05571-1
- Dosio, A., Jury, M. W., Almazroui, M., Ashfaq, M., Diallo, I., Engelbrecht, F. A., . . . **Tamoffo, A. T.** (2021a). Projected future daily characteristics of African precipitation based on global (CMIP5, CMIP6) and regional (CORDEX, CORDEX-CORE) climate models. *Climate Dynamics*, 57(11-12), 3135-3158. doi:10.1007/s00382-021-05859-w
- **Tamoffo, A. T.**, L.K. Amekudzi, T. Weber, D. A. Vondou, E. I. Yamba, D. Jacob (2021b). Mechanisms of Rainfall Biases in two CORDEX-CORE Regional Climate Models at rainfall

peaks over Central Equatorial Africa. *Journal of Climate*, 35(2), 639-668. doi:10.1175/jcli-d-21-0487.1

- **Tamoffo, A. T.**, Dosio, A., L.K. Amekudzi, T. Weber (2022). Process-Oriented Evaluation of the West African Monsoon System in COREX-CORE Regional Climate Models. *Climate Dynamics* 1-24, <https://doi.org/10.1007/s00382-022-06502-y>
- Mbouna, A. D., **Tamoffo, A. T.**, Asare, E. O., Lenouo, A., & Tchawoua, C. (2022). Malaria metrics distribution under global warming: Assessment of the VECTRI malaria model over Cameroon. *International Journal of Biometeorology*. <https://doi.org/10.1007/s00484-022-02388-x>
- **Tamoffo, A. T.**, Akinsanola, A., A., Weber, T., Understanding the Diversity of the West African Monsoon System Change Projected by CORDEX-CORE Regional Climate Models. *Climate Dynamics* 1-25, <https://doi.org/10.1007/s00382-023-06690-1>
- Tamoffo, A. T., Weber, T., Akinsanola, A. A., & Vondou, D. A. (2023). Projected changes in extreme rainfall and temperature events and possible implications for Cameroon's socio-economic sectors. *Meteorological Applications*, 30(2). <https://doi.org/10.1002/met.2119>
- **Tamoffo, A. T.**, T. Weber, L.K. Amekudzi, Dosio, A., M. A. Osei, D. A. Vondou, D. Jacob. Drivers of Future Peak Rainfall System Changes over Central Equatorial Africa in CORDEX-CORE Regional Climate Models (**Under Review**).
- Hermann N. Nana · Roméo S. Tanessong · Lucie A. Djiotang Tchotchou · **Alain T. Tamoffo** · Foupouapegnigni Moihamette · Derbetini A. Vondou. Influence of Strong South Atlantic Ocean Dipole on the Central African rainfall's system (**Under Review**).
- Kevin Kenfack · **Alain T. Tamoffo** · Lucie A. Djiotang Tchotchou · Derbetini A. Vondou. Assessment of uncertainties in reanalysis datasets in reproducing thermodynamic mechanisms in the moisture budget's provision in the Congo Basin (**Under Review**).

### Non peer-reviewed

- **Tamoffo, A. T.**, Pokam, W.M., Vondou, D.A. Elaboration of Climate Scenarios for Future Risk and Vulnerability Analyses of Systems (Natural and Human) in the Republic of Congo (Brazzaville): Report 1: Past and Future Climate of the Republic of Congo