

List of Scientific Publications

Dr. Zuhal Elnour

Peer-reviewed Journal Articles

- 2025 Mwangi, P., **Elnour, Z.**, Grethe, H., Volkholz, J. (2025). Economy-Wide Impacts of Climate-Induced Agricultural Yield Changes in Kenya: Exploring the Implementation of Productivity Shocks in CGE Modelling. Manuscript submitted for publication.
- 2025 Siddig, K., **Elnour, Z.**, Thurlow, J. (2025). Conflict and Recovery in Sudan: Socio-Economic Impacts and Resilience Pathways. Manuscript submitted for publication.
- 2025 Basheer, M., **Elnour, Z.**, Pérez, C. F., Liao, W., Siddig, K., Ringler, C. (2025). Integrated hydrological and economic assessment of hydropower and irrigation development in Sudan under climate change. Manuscript submitted for publication.
- 2025 Houessou, M.A.K., **Elnour, Z.**, Grethe, H., Ramdé, F. (2025). A 2019 Social Accounting Matrix for Burkina Faso with Agricultural Activities and Household Groups Disaggregated by Agroecological Zones. Data in Brief. <https://doi.org/10.1016/j.dib.2025.112424>
- 2025 **Elnour, Z.**, Siddig, K., Grethe, H. (2025). Economy-wide implications of increasing school enrollment in Sub-Saharan Africa. International Journal of Educational Development, 118, 103390. <https://doi.org/10.1016/j.ijedudev.2025.103390>
- 2025 Houessou, M.A.K., **Elnour, Z.**, Kong, Q., Grethe, H., Huber, M. (2025). Heat stress causes economic and welfare disparities across agroecological zones in Burkina Faso. Commun Earth Environ 6, 744 (2025). <https://doi.org/10.1038/s43247-025-02650-1>
- 2024 Basheer, M., **Elnour, Z.**, Siddig, K., & Grethe, H. (2024). Economic impacts of large dams on downstream brickmaking in developing countries. Construction Management and Economics, 43(3), 213–225. <https://doi.org/10.1080/01446193.2024.2411409>
- 2024 Basheer, M., Siddig, K., **Elnour, Z.**, Ahmed, M., & Ringler, C. (2024). Toward integrated dam assessment: Evaluating multi-dimensional impacts of the Grand Ethiopian Renaissance Dam on Sudan. Environmental Research Letters, 19(10), 104067. <https://doi.org/10.1088/1748-9326/ad7744>
- 2023 **Elnour, Z.**, Grethe, H., Siddig, K. (2023). Malaria control and elimination in Kenya: economy-wide benefits and regional disparities. Malar J 22, 117 (2023). <https://doi.org/10.1186/s12936-023-04505-6>
- 2019 Hassan, A., Hashim, A., Abdela, I., Yousif, A., **Elnour, Z.**, Tahir, I., Solomon, A. (2019). Wheat Baseline Study 2012/2013 Characterization of Wheat Producing Households in Sudan. Agri Res& Tech: Open Access J. 2019; 19(3): 556094. DOI: [10.19080/ARTOAJ.2019.19.556094](https://doi.org/10.19080/ARTOAJ.2019.19.556094)

Working Papers

- 2022 **Elnour, Z.**, Siddig, K., and Grethe, H. (2022). A 2019 Social Accounting Matrix for Kenya Including Malaria Epidemiological and Agroecological Zones. Working Paper No. 103/2022. Department of Agricultural Economics, Faculty of Life Sciences, Humboldt-Universität zu Berlin. <https://www.agrar.hu-berlin.de/de/institut/departments/daoe/publ/wp/>.

Dissertation

- 2022 **Elnour, Z.** (2022). Depicting vocational education and training system in computable general equilibrium models. Doctoral dissertation, Humboldt-Universität zu Berlin, Berlin, Germany. <https://doi.org/10.18452/24363>
- 2011 **Elnour, Z.** (2011). Economics of Production and Marketing of the Leafy Vegetables in Shambat Area, Khartoum State, Sudan. University of Khartoum, Khartoum, Sudan.
- 2008 **Elnour, Z.** (2008). Economic Evaluation of the Nile Banks between the use of red-brick and agricultural production. Al-Zaeim Al-Azhari University, Khartoum, Sudan.

Annual Reports

- 2014 **Elnour, Z.**, Hashim, A., Abosh, A., Yousif, A. (2014). Management Strategies of Sorghum Production in Striga-Infested Areas in Rainfed Zones in Sudan. Annual report (2013/2014), Agricultural Economics and Policy Research Centre, Agricultural Research Corporation (ARC).

Contributions to Conferences/ Presentations

- 2025 **Elnour, Z.**, Grethe, H., Dieng, D., Siddig, K., Munga, S. (2025). Economy-wide implications of climate change-induced malaria in Kenya: Linking a demographic module to a dynamic CGE model. The 28th Annual Conference on Global Economic Analysis (GTAP), Kigali (Rwanda), June 2025.
- 2025 Mwangi, P., **Elnour, Z.**, Grethe, H., Dianda, S., and Danquah, I. (2025). Economy-Wide Impact Assessment of Home Gardening as an Adaptation Strategy to Climate Change in Kenya. The 28th Annual Conference on Global Economic Analysis (GTAP), Kigali (Rwanda), June 2025.
- 2025 Martial, H., **Elnour, Z.**, Grethe, H. (2025). Climate Change Induced-Heat Stress and Labour Reallocation in Burkina Faso: A CGE Analysis. The 28th Annual Conference on Global Economic Analysis (GTAP), Kigali (Rwanda), June 2025.
- 2025 Siddig, K., **Elnour, Z.**, Thurlow, J. (2025). Conflict and Recovery in Sudan: Socio-Economic Impacts and Resilience Pathways. The 28th Annual Conference of the International Food Policy Research Institute (IFPRI), Nairobi, Kenya, April 2025.
- 2024 **Elnour, Z.**, Grethe, H., Guyo, M., Kakungu, S., Orango, A., Abdul-Jalil, S., Bar, M., Gachukia, M., Kinkpe, A.T., Loktari, B., Luckmann, J., Maingi, S., Mwangi, P., Omolo, M.W.O., Thom, F., Volkholz, J. (2023). Climate change impacts across agroecological zones on agriculture in Kenya: an economy-wide analysis. The annual conference of the African Finance and Economic Association (AFEA 2024), University of Ghana, Accra, Ghana, July 2024.
- 2019 **Elnour, Z.**, Siddig, K., Grethe H. (2019). Enhancing education and training systems in the Sudan: An Economy-wide Assessment. The 22nd Annual Conference on Global Economic Analysis (GTAP), University of Warsaw, Warsaw, Poland, June 2019.
- 2018 **Elnour, Z.**, Siddig, K., Grethe H. (2018). Investments in Agricultural Vocational Training in the Sudan: Incorporating Child Labor in Educational CGE models. Annual International Conference on Economic Modeling (EcoMoD 2018), Venice, Italy, July 2018.

- 2016 **Elnour, Z.**, Siddig K., Grethe H. (2016). Incorporating vocational training systems in CGE models. The 19th Annual Conference on Global Economic Analysis (GTAP), The World Bank, Washington DC, USA, June 2016.

Policy briefs/notes

- 2025 Basheer, M., **Elnour, Z.**, Pérez, C. F., Liao, W., Siddig, K., & Ringler, C. (2025). Evaluating hydropower and irrigation development in Sudan under climate change uncertainties. Washington, DC: International Food Policy Research Institute (IFPRI). ([PDF](#))
- 2024 Basheer, M., Siddig, K., **Elnour, Z.**, Ahmed, M., Ringler, C. (2023). Integrated simulation framework for the impacts of large dams: Example of the GERD. NEXUS Gains Policy Note December 2023. Washington, DC: International Food Policy Research Institute (IFPRI). https://doi.org/10.2499/p15738coll2.137_061
- 2023 **Elnour, Z.**, Grethe, H., Guyo, M., Kakungu, S., Orango, A., Abdul-Jalil, S., Bar, M., Gachukia, M., Kinkpe, A.T., Loktari, B., Luckmann, J., Maingi, S., Mwangi, P., Omolo, M.W.O., Thom, F., Volkholz, J. (2023). Climate change impacts across agroecological zones on agriculture in Kenya: an economy-wide analysis. International Agricultural Trade and Development Group, Humboldt-Universität zu Berlin, Berlin, Germany. ([pdf](#))
- 2023 Kinkpe, A.T., **Elnour, Z.**, Grethe, H., Gachukia, M., Mailu, S., Mugure, M., Abdul-Jalil, S., Kakungu, S., Loktari, B., Luckmann, J., Murunga, M., Omolo, M.W.O., Thom F. (2023). Effects of high global prices of fertilizer and staple foods on the Kenyan economy and household welfare. International Agricultural Trade and Development Group, Humboldt-Universität zu Berlin, Berlin, Germany. ([pdf](#))
- 2023 Luckmann, J., **Elnour, Z.**, Grethe, H., Mailu, S., Maina, B., Maingi, S., Abdul-Jalil, S., Kinkpe, A.T., Omolo, M.W.O., Thom, F. (2023). Impacts of an increase in irrigated agricultural land on the Kenyan economy. International Agricultural Trade and Development Group, Humboldt-Universität zu Berlin, Berlin, Germany. ([pdf](#))
- 2023 Omolo, M.W.O., **Elnour, Z.**, Grethe, H., Kinkpe, A.T., Boss, K.K., Guyo, M., Maina, B., Orango, A., Abdul-Jalil, S., Luckmann, J., Thom, F. (2023). Effect of a fertilizer subsidy on the agricultural sector and household welfare in Kenya. International Agricultural Trade and Development Group, Humboldt-Universität zu Berlin, Berlin, Germany. ([pdf](#))
- 2023 Thom, F., **Elnour, Z.**, Boss, K., Mugure, M., Njogu, S., Abdul-Jalil, S., Grethe, H., Kinkpe, A.T., Luckmann, J., Omolo, M.W.O. (2023). Effects of a tariff and a preference shift towards domestically produced maize in Kenya. International Agricultural Trade and Development Group, Humboldt-Universität zu Berlin, Berlin, Germany. ([pdf](#))
- 2023 Abdul-Jalil, S., Kinkpe, A.T., **Elnour, Z.**, Grethe, H., Aballo, C.S., Acakpo, C.C., Gado, B.O.K., Hounnou, E.F., Luckmann, J., Thom, F., **Toure, M.D.**, Vlavanou, F., Volkholz, J., Yorou T. V. (2023). Climate change impacts across agroecological zones on agriculture in Benin: an economy-wide analysis. International Agricultural Trade and Development Group, Humboldt-Universität zu Berlin, Berlin, Germany. ([pdf](#))
- 2023 Kinkpe, A.T., Grethe, H., Abdul-Jalil, S., Antonio, P., Ayedoun, A.A. O., Counthon-Kinsou, E., Davakan, M., **Elnour, Z.**, Hounnou, E.F., Luckmann, J., Thom F., Zinsou, E. (2023). Effects of high global prices of fertilizer and food on agriculture, household welfare and the economy as a whole in Benin. International Agricultural Trade and Development Group, Humboldt-Universität zu Berlin, Berlin, Germany. ([pdf](#))

- 2023 Luckmann, J., Kinkpe, A.T., **Elnour, Z.**, Grethe, H., Aballo, C.S., Abdul-Jalil, S., Ayedoun, A.A., Covi, O. E., Gado, B.O.K., Gnikpo, F.A., Hounnou, E.F., Ounde, G., Sedegnan, O.A.C., Thom, F., Vlavonou, F., Yorou, F.T.V. (2023). Impacts of an increase in irrigated agricultural land on the Beninese economy. International Agricultural Trade and Development Group, Humboldt-Universität zu Berlin, Berlin, Germany. ([pdf](#))
- 2023 Hounnou, E.F., Kinkpe, A.T., **Elnour, Z.**, Grethe, H., Abdul-Jalil, S., Acakpo, C.C., Antonio, P., Couthon-Kinsou, E., Davakan, M., Luckmann, J., Thom, F., Toure, M.D., Koto, J.Y., Yergo, K.A., Zinsou, E. (2023). Effects of fertilizer policy on agriculture and household welfare in Benin. International Agricultural Trade and Development Group, Humboldt-Universität zu Berlin, Berlin, Germany. ([pdf](#))
- 2023 Thom, F., Kinkpe, A.T., Grethe, H., Abdul-Jalil, S., Covi, E., **Elnour, Z.**, Gnikpo, F.A., Hounnou, E.F., Luckmann, J., Ounde, G., Sedegnan, O.A.C., Koto, J.Y., Yergo, K. A. (2023). Preference shift towards domestic products in Benin. International Agricultural Trade and Development Group, Humboldt-Universität zu Berlin, Berlin, Germany. ([pdf](#))