

Prof. Dr. Dijby Thiam

Employment Record

2020-	Associate Professor, School of Economics, University of Cape Town, South Africa
2021-	Group Leader for the Limpopo River basin: Group on River Basin and Economic Modelling (University of California, Riverside, USA; University of Cape Town, South Africa; University of Zaragoza, Spain; International Institute for Applied Systems Analysis, Austria): https://waterdialogue.ucr.edu/limpopo-river-basin-0
2021-	Director (Non-Executive): Federation for Sustainable Environment, Gauteng, South Africa. https://fse.org.za/index.php/about-us/
2016-2019	Assistant Professor, School of Economics, University of Cape Town, South Africa
2015	Visiting scientist, University of California, Berkeley, USA
2012 – 2015	Senior Researcher, Center for Development Research, University of Bonn, Germany

Educational Background

2011	University of Bordeaux, France, in collaboration with the University of Groningen, the Netherlands. PhD. in economics, 2011
2007	University of Nantes, France. MSc. in Economics, 2007
2005	University of Montpellier, France. BSc. in Economics, France, 2005

Awards

National Research Foundation (NRF) in South Africa - rated researcher (2018 – 2022)

Research areas

Environmental and Resources Economics, Agricultural Economics, Development Economics

Editorial offices and academic insights

Editorial board: <https://www.worldscientific.com/page/wep/editorial-board>

Editorial board: <https://revueid.org/a-propos/>

Teaching activities

Development economics (postgraduate)

Natural resources economics (postgraduate)

Decision theory, choice experiment and survey data (postgraduate)

Development economics (undergraduate)

Current Research Grants (also involved in several other projects, but not as administrative PI)

Principal investigator: Environmentally sound Water management for Sustainable Agricultural Practices in South Africa and Botswana: an international collaboration between Africa and Japan, National Research Foundation (NRF), South Africa (2022 – 2024).

Principal Investigator, Water regulation and economic analysis under drought in South Africa, National Research Foundation (NRF), South Africa, (2019 – 2022)

Principal Investigator, Investment decisions in water and rural development Programs to promote food security, resilience of smallholder farmers and rural economic transformation in South Africa, National Research Foundation (NRF) and Global Change Grand Challenge (Ministry of Science and Innovation, Republic of South Africa), (2020 – 2022).

Principal Investigator, Water-energy-food nexus in South Africa, National Research Foundation (NRF), Ministry of Science and Innovation, Republic of South Africa, (2021-2024).

Co-principal investigator, Resilience to climate change in sub-Saharan Africa (2022), Volkswagen Foundation, Germany.

Co-principal investigator: Sustainable resource management to ensure water security in the Limpopo River basin: An initiative for a transboundary hydro-economic model (2021-2023), German Federal Ministry of Education and Research (BMBF), Germany.

Selected Peer-reviewed journal articles.

Media framing of the Cape Town water crisis: perspectives on the food-energy-water nexus in *Regional Environmental Change*, 2022, vol 22, pp 1-10 (with Leah Jones, Columbia University and Dave White, Arizona State University)

Understanding consumer attitudes to and valuation of organic food in Sub-Saharan Africa: A double-bound contingent method applied in Dakar, Senegal, 2022, in *African Journal of Agricultural and Resources Economics*, vol 17, pp 31-47 (with Seck Abdoulaye, University Cheikh Anta Diop)

Premium price for natural preservatives in wine: a discrete choice experiment in *Wine Economics and Policy*, 2021, vol 10, pp 101 - 118. (with Chikumbi L, University of Cape Town; Scasny M, University of Prague; and Muchapondwa E, University of Cape Town)

Promotion of residential water conservation measures in South Africa: The role of water-saving Equipment, 2020, *Environmental Economics and Policy Studies*, vol 23, pp 173-210 (with Ariel Dinar, University of California Riverside and Hebert Ntuli University of Cape Town)

The implications of forestry in water-energy and food security nexus in Ethiopia, in *Int. Journal of Global Environmental Issues*, 2018, vol 17, pp-214-229, (with Dawit Diriba Guta, University of Vancouver)

The analysis of transaction costs in water policy implementation in South Africa: trends, determinants and economic implications, in *Water Economics and Policy*, 2017, vol 3, N., pp1–30,(with Georgina Wambui, University of Bonn and Anthea coggan, CSIRO, Australia), DOI: <http://dx.doi.org/10.1142/S2382624X1650020X>

Assessing household demand for weather-based crop insurance uptake in West Africa: Insight from a pilot initiative in Southwestern Burkina Faso, in *Agriculture and Food Economics*,

2017 (with William Fonta, African Development Bank; Abbi M Kedir, University of Sheffield; Safiéatou Sanfo, WASCAL)

Assessment of Risks Associated with Production and Marketing of Cocoa in Ondo State, Nigeria, in *Agroforestry systems*, 2016 (with Opeyemi E. Ayinde, University of Ilorin; Folaranmi D. Babalola, University of Ilorin; and Paxie W. Chirwa, University of Pretoria), DOI 10.1007/s10457-016-9905-3

Implications of water policy reforms for agricultural productivity in South Africa: Scenario analysis based on the Olifants river basin in *Water Resources and Economics*, 2015, vol 9, pp 60 – 79 (with Edwin Muchapondwa, University of Cape Town; Johann Kirsten, University of Stellenbosch and Magalie Bourblanc, University of Pretoria)

Implications of water policy reforms for virtual water trade between South Africa and its trade partners: Economy-wide approach in *Water Policy*, 2015, vol 17, pp 649 – 663 (with Rashid Hassan, University of Pretoria)

Modelling energy policy goals for the deployment of low carbon technologies in African developing countries, in *Applied Energy*, 2012, vol 94, pp 98 – 108 (with René Benders and Henri Moll, University of Groningen)

An energy pricing scheme for the diffusion of decentralized renewable technology investment in African developing countries, in *Energy Policy*, 2011, vol 39, pp 4284 – 4297

Publications (complete list).

For a detailed list please contact me. And see <https://www.researchgate.net/profile/Djiby-Thiam-2>

Media outlet

A new water paradigm for Sub-Saharan Africa, the Cairo Review of Global Affairs (2021): <https://www.thecairoreview.com/essays/a-new-water-paradigm-for-sub-saharan-africa/>

Supervision

Postdoc: Silas Ongudi (resources economics, development economics)

PhD-students completed: Silas Ongudi (development and resources economics, finalized in 2021, current position: postdoc at UCT, South Africa); Kevin Rugaimukamu (energy and resource economics, finalized in 2021, current position: Lecturer, University of Tanzania); Georgina Wambui (development and resources economics, finalized in 2017, current position: postdoc at University of Bonn, Germany)

PhD-students (ongoing): Alfred Apio (water and agricultural economics, choice experiment); Nelson Ndahangwapo (water economics; mathematics, dynamic optimization), Ife victor (water economics, econometrics, public good), Beatrice Manful (agricultural economics, contract farming, impact evaluation, quasi-experimental games), Gildas Magbonde (energy economics, development economics, impact evaluation); Thomas Van Huyssteen (energy economics, water economics, agricultural economics, nexus analysis)

Masters' students completed: Tshogo Putu (water economics, finalized in 2021, current position: economist private firm Johannesburg); Thomas Van Huyssteen (water economics, finalized in 2020, current position: PhD in economics UCT); Maka Gombe (health economics, finalized in 2018, current position: economist, Clinton Health Access Initiative Foundation, Zimbabwe); Joshua Gordon (development and agricultural policy, finalized in 2020, current position: economist, Standard Bank, South Africa)

Masters' students (ongoing): Kyla Damonse (development economics, agriculture, rural development), Sophie Gebers (energy poverty, energy economics, development economics, econometrics), Jade Rossouw (fisheries economics, marine policy); Bright Tetteh (environmental economics); Ropafadzo Kanyenze (development economics, impact evaluation)

Additional information

Languages: English (fluent), French (fluent), and German (Fluent).

Software: Office, Stata and GAMS