

LINUS M. NYIWUL

PERSONAL INFORMATION

Linus Nyiwul, Professor

Chair, Department of Economics, Gettysburg College, 300 North Washington St., Gettysburg, PA 17325

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You can view my ORCID [here](#), Web of Science [here](#), and Google Scholar [here](#).

EDUCATION

- Ph.D. Resource Economics, University of Massachusetts Amherst, USA, 2009
- M.A. Economics, American University in Cairo, Egypt, 2004
- B.Sc. Economics, University of Buea, Cameroon, 1999

RESEARCH INTERESTS

- Natural Resource and Environmental Economics, Development Economics, Applied Economics, Applied Econometrics.

ACADEMIC POSITIONS

- **Chair, Professor, Department of Economics.**
Department of Economics/Africana Studies Program, Gettysburg College, 2025 to Present.
- **Chair, Associate Professor, Department of Economics.**
Department of Economics/Africana Studies Program, Gettysburg College, 2017 to 2024.
- **Assistant Professor**
Department of Economics/Africana Studies Program, Gettysburg College, 2010 to 2016.
- **Visiting Assistant Professor**
Department of Economics, Gettysburg College, August 2009 – August 2010.
- **Research Assistant**
Department of Resource Economics, University of Massachusetts Amherst, Sept. 2008 to Aug. 2009.
- **Instructor**
Talent Advance Program, School of Management, University of Massachusetts Amherst, Spring 2007.
– Spring 2008
- **Teaching Assistant**
Department of Resource Economics, University of Massachusetts Amherst, Spring 2005-Spring 2007.
- **Research Fellow**
Department of Economics, American University in Cairo, July – December, 2004.
- **Teaching Assistant**
Department of Economics, American University in Cairo, Egypt, Fall 2001 - Spring 2004.

TEACHING

- *Instructor, Gettysburg College (Fall 2009 present)*
 - Honors Thesis Seminar, Economic Development, Resource & Environmental Economics, Business & Economic Statistics, Economics of Sports, Principles of Microeconomics, African Economic History & Development, Race Gender & Economic Outcomes, Introduction to African Studies.
- *Instructor, University of Massachusetts Amherst (Spring 2007-Spring 2008)*
 - Introduction to Microeconomics, Introduction to Statistics
- *Teaching Assistant, University of Massachusetts Amherst (Spring 2005 – Fall 2006)*
 - Introduction to Resource Economics, Advanced Microeconomics
- *Teaching Assistant, American University in Cairo, Egypt (Fall 2001-Spring 2004)*
 - Econometrics (graduate) lab instructor, Project Evaluation: Practical Applications

RESEARCH

Refereed Journal Articles and Book Chapters

- Hu, Z., Nyiwul, L., & Koirala, N. P. (2026). Food price inflation and gender inequality in developing countries. *International Economics and Economic Policy*, 23(1), 8. <https://doi.org/10.1007/s10368-025-00701-8>.
- Nyiwul, L., Hu, Z. & Koirala, N.P. 2025. Natural Resource Curse: Mediating Effects of Fiscal Policy, *Structural Change and Economic Dynamics*, Volume 75, 568-589. <https://doi.org/10.1016/j.strueco.2025.08.012>.
- Koirala, N. P., Nyiwul, L., Hu, Z., Al-Hmoud, R., & Koirala, D. P. 2025. Geopolitical risks and energy market dynamics. *Energy Economics*, Volume 150, 108814. <https://doi.org/10.1016/j.eneco.2025.108814>
- Nyiwul, L., Hu, Z., Koirala, N. P., & Wasson, H. 2025. Economic uncertainty and renewable energy investment. *International Economics and Economic Policy*, 22(3), 48. <https://doi.org/10.1007/s10368-025-00675-7>
- Rana, P. J., Hu, Z., & Nyiwul, L. 2025. The environmental impact of Chinese overseas construction and engineering projects: evidence from CO2 emissions. *Journal of Chinese Economic and Business Studies*, 1-38. <https://doi.org/10.1080/14765284.2025.2549236>.
- Nyiwul, L., Hu, Z. & Koirala, N.P. 2024. Innovation and Water Productivity: Empirical Evidence from Water-related Patents, *Applied Economic Perspectives & Policy*, 47(2), 515-555. <https://doi.org/10.1002/aapp.13498>.
- Hu, Z., Nyiwul, L. & Koirala, N.P. 2024. Sovereign Debt Defaults and Gender Inequality in Developing Countries, *Feminist Economics (forthcoming)*.
- Nyiwul, L., & Koirala, N. P. 2024. Renewable energy policy performance and technological innovation in Africa: A Bayesian estimation. *Energy Policy*, 193, 114279. <https://doi.org/10.1016/j.enpol.2024.114279>
- Koirala, N. P., Koirala, D. P., Nyiwul, L., & Hu, Z. 2024. Economic uncertainty, households' credit situations, and higher education. *Journal of Macroeconomics*, 103598. <https://doi.org/10.1016/j.jmacro.2024.103598>
- Nyiwul, L., Shakya, M., Lamichhane, A., & Hu, Z. 2024. Adoption of tools for sustainable tourism development: role of environmental vulnerability. *Journal of Policy Research in Tourism, Leisure and Events*, 1-23. <https://doi.org/10.1080/19407963.2024.2317908>
- Koirala, N. P., & Nyiwul, L. 2023. Inflation volatility: A Bayesian approach. *Research in Economics*, 77(1), 185-201. <https://doi.org/10.1016/j.rie.2023.01.003>
- Nyiwul, L. 2023. Demand for water innovation: evidence on wastewater technology adoption in thirteen African countries. *Economic Change and Restructuring*, 1-28. <https://doi.org/10.1007/s10644-023-09528-2>
- Koirala, N. P., & Nyiwul, L. 2023. Pandemics and Stock Price Volatility: A Sectoral Analysis. *Journal of Risk and Financial Management*, 16(11), 467. <https://doi.org/10.3390/jrfm16110467>
- Nyiwul, L. 2023. Climate change adaptation innovation in the water sector in Africa: Dataset. *Data in Brief*, 46, 108782. <https://doi.org/10.1016/j.dib.2022.108782>
- Nyiwul, L. 2023. COVID-19 and the environmental regulatory response: Compendium of regulatory, ad hoc changes and implications. *Environmental Protection Research*, 3(1), 26-37. <https://doi.org/10.37256/epr.3120232046>
- Nyiwul, L., & Koirala, N. P. 2022. Role of foreign direct investments in agriculture, forestry and fishing in developing countries. *Future Business Journal*, 8(1), 50. <https://doi.org/10.1186/s43093-022-00164-2>
- Nyiwul, L. and Iqbal, B.A. 2022. Evidence on divestment motives: An overview, *Global Trade and Customs Journal* Volume 17, Issue 11/12, pp. 501 – 514. <https://doi.org/10.54648/gtcj2022070>.

- Nyiwul L. 2021. Epidemic Control and Resource Allocation: Approaches and Implications for the Management of COVID-19. *Studies in Microeconomics* 9(2):283–305
<https://doi.org/10.1177/23210222211053751>
- Nyiwul, L. 2021. Innovation and adaptation to climate change: Evidence from the water sector in Africa, *Journal of Cleaner Production*, Volume 298, 126859,
<https://doi.org/10.1016/j.jclepro.2021.126859>
- Nyiwul, L. 2021. COVID-19 regulatory responses and FDI in the United States: trends and implications for capital flows, *Transnational Corporations Review*, 13:2, 156-173,
<https://doi.org/10.1080/19186444.2021.1934361>
- Nyiwul, L. 2021. Climate change adaptation and inequality in Africa: Case of water, energy and food insecurity, *Journal of Cleaner Production*, Volume 278, 123393,
<https://doi.org/10.1016/j.jclepro.2020.123393>
- Nyiwul L.M. 2019. Climate Change Mitigation and Adaptation in Africa: Strategies, Synergies, and Constraints. In: Sequeira T., Reis L. (eds) *Climate Change and Global Development. Contributions to Economics*. Springer, Cham, https://doi.org/10.1007/978-3-030-02662-2_11
- Nyiwul, Linus. 2018. “Income, environmental considerations, and sustainable energy consumption in Africa,” *International Journal of Green Energy*, 15:4, 264-276,
<https://doi.org/10.1080/15435075.2018.1439037>
- Nyiwul, Linus. 2017. Economic Performance, Environmental Concerns, and Renewable Energy Consumption: Drivers of Renewable Energy Development in Sub-Sahara Africa, *Clean Technologies & Environmental Policy*: 19(2):437-450, <https://doi.org/10.1007/s10098-016-1229-5>
- Nyiwul, Linus. 2016. Environmental Policy and Performance in Africa: Implications of Structural Economic Transformation for Sustainable Development, *Interdisciplinary Environmental Review*, Volume 17, Issue 3-4, DOI: <https://doi.org/10.1504/IER.2016.080229>
- Nyiwul, Linus. 2015. Conceptual framework of market enforcement of environmental regulations: significance and obstacles to the role of markets in policy design, *Technologies & Environmental Policy*, <https://doi.org/10.1007/s10098-015-0939-4>
- Nyiwul, Linus; Shittu, Ekundayo & Dhanda, Kanwalroop K. 2015. Prescriptive Measures for Environmental Performance: Emission Standards, Overcompliance, and Monitoring, *Clean Technologies & Environmental Policy* 17:1077-1091, <https://doi.org/10.1007/s10098-014-0863-z>
- Nyiwul, Linus and Shittu, Ekundayo. 2014. Market Structure and the Enforcement of Emissions Taxes, *Interdisciplinary Environmental Review*, 14(3-4), 269-280.
<https://doi.org/10.1504/IER.2013.058933>.
- Nyiwul, Linus. 2013. Environmental Policy and Rank-Order Tournaments: A Theoretical Formulation with Overcompliance, *Journal of Energy Technologies and Policy Vol.3, No.11*– Special Issue for International Conference on Energy, Environment and Sustainable Economy (EESE 2013)
- Nyiwul, Linus and Selim, Tarek. 2007. Poverty as Social Deprivation: A Survey. Review of Social Economy, Volume 64(2), 181-204 (24). <https://doi.org/10.1080/00346760600721122>.

Papers Under Review/Revision

- Banking Regulations and Banking Stability in South Asia, *Asian Development Bank (ADB) (under review)*
- Energy justice tenets: empirical evidence on outcomes of energy policies in developing countries, *Environment and Development Economics (under review)*.

Working Papers (WP)/Work in Progress (WIP)

- Inflation Reduction Act and Green Investments (WIP)
- Fossil Fuel Subsidies and Renewable Energy Innovation (WIP)
- Fossil-fuel Energy Subsidies and Renewable Energy Consumption in Developing Countries (WIP)

- Towards an Aggregate Social Welfare Function (WP)
- Political Institutions and Environmental Quality in Africa (WIP)
- Textile Exports and Female Education in Developing Countries (WP)
- Fiscal Policies and Marginalized Workers (WIP)

CONFERENCES, WORKSHOP, SEMINAR & CONFERENCE PRESENTATIONS/PAPERS

- Innovation & Water Productivity: Evidence from Water-related Patents, 11th Rosenberg International Forum on Water Policy, University of Cape Town, South Africa, 23-27 October 2023.
- Equilibrium vs. Optimality: Trading in Renewable Energy Certificates, with Ekundayo Shittu, Institute for Operations Research and the Management Sciences (*INFORMS*) Annual Meeting, Philadelphia, November 1-4, 2015
- Structural Transformation, the Environment and Policy Performance in Africa: A Qualitative Assessment, Interdisciplinary Environmental Association Conference, San Juan, Puerto Rico, June 2015
- New Frontiers in Market-based Environmental Regulations, Non-Degree Training, Center for Environmental Economics and Policy in Africa (CEEPA), University of Pretoria, South Africa, November 23-29, 2014
- Environmental Policy and Rank-Order Tournaments: A Theoretical Formulation with Over-Compliance, International Conference on Energy, Environment and Sustainable Economy (ESEE 2013), Bangkok, Thailand, December 2013
- Exploiting Traditional Enforcement & Certification to Improve Environmental Performance, Interdisciplinary Environmental Association Conference, Portland, Oregon, June 2013
- South Sudan: Assessing Initial Conditions and Growth Prospects; ASMEA/Association for the Study of Middle East & Africa 5th Annual Conference, Washington D.C., October 2012
- Exploiting Traditional Enforcement & Certification to Improve Environmental Performance, Mines ParisTech, Paris, France, June 2011
- Fifty Years of African Liberation, African Studies Association Annual Meeting, Washington D.C., 2011
- American Economic Association Meeting/Conference, Denver, Colorado, USA, January 2011
- The effects of market structure and enforcement costs on an emissions tax, The African Econometric Society, Fifteenth Annual Conference, Cairo, Egypt, July 2010 (paper accepted but not presented due to travel difficulties)
- From Impunity to Accountability: Africa's Development in the 21st Century, Social Research Conference, Center for Public Scholarship, New School, New York, U.S; November 2010
- Guest Speaker: Managing Classroom and Student Expectations Annual Central Pennsylvania Consortium (CPC) New Faculty Conference, Dickinson College, January 26, 2019

ACADEMIC HONORS, AWARDS, GRANTS AND FELLOWSHIPS

- Luther W. and Bernice L. Thompson Distinguished Teaching Award, Gettysburg College, 2017
- Research Fellow, Center for Environmental Economics & Policy in Africa (CEEPA), University of Pretoria, South Africa, October 2014 – January 2015
- Research & Professional Development Grant, Gettysburg College, Fall 2014 (\$8,487), Fall 2019 (\$8,659)
- Vijay Bhagavan Teaching Assistant of Distinction, University of Massachusetts Amherst, USA, 2008
- African Graduate Fellowship, American University in Cairo, 2001 –2004
- Minister of Higher Education Award, 1999
- Dean's Academic Excellence Award, University of Buea, Cameroon, 1997, 1998, 1999

GOVERNANCE & SERVICE

CAMPUS-WIDE

- 2023-2024: Member, Forward Thinking Group
- 2023: Search Advisory Committee for Director of Professional Education & Innovation
- 2022-2024: Chair, Faculty Finance Committee
- 2021-2024: Faculty Finance Committee
- 2022-2023: Member, Middle States Standard VI Working Group
- 2022: Search Advisory Committee for Chief Diversity Officer
- 2020: Business and Infrastructure Group
- 2020: COVID-19 Faculty Advisory Committee
- 2010-present: Gondwe Lecture Series Coordinator
- March 2018: Immersion Trip for the Center of Public Service (CPS) to Puerto Rico (on Statehood, Debt, and Hurricane Relief)
- 2017-2019: Johnson Center for Creative Teaching and Learning (JCCTL) Advisory Board
- Fall 2015-Spring 2018: Member of Faculty Governance Committee
- August 2015: Panelist on “Cultural Differences/Sexual Orientation for New Faculty Orientation
- August 2014: Panelist on “Cultural Differences/Sexual Orientation for New Faculty Orientation
- Spring 2012-Spring 2015: Faculty Advisor to the Honor Commission
- Spring 2013-Spring 2020: Member of Globalization Studies Advisory Committee
- Spring 2015: Guest Facilitator; Garthwait Leadership Institute Luncheon
- May, 2015: Mentor for Garthwait Leadership Institute Immersion Trip to Little Rock, AR and Abilene, KS

DEPARTMENT/PROGRAM

- Chair, Economics
- Spring ‘19: Economics Department; Member of Search Committee for a tenure track position
- Spring ‘19: Economics Department; Member of Search Committee for a one-year faculty position
- Spring ‘18: Economics Department; Member of Search Committee for a one-year faculty position
- Spring ‘16: Economics Department; Member of Search Committee for a one-year faculty position
- Spring ‘16: Africana Studies Program; Member of Search Committee for Gondwe fellowship
- Fall ‘13: Economics Department; Member of Search Committee for tenure-track position
- Spring ‘12: Africana Studies Program; Member of Search Committee for Gondwe fellowship
- Fall ‘11: Africana Studies Program; Member of Search Committee for Gondwe fellowship
- Spring ‘11: Africana Studies Program; Member of Search Committee for Office Assistant

PROFESSIONAL SERVICE

Journal Referee

Energy Economics, Applied Economics, Applied Economic Perspectives & Policy, Applied Economics Letters, Structural Change and Economic Dynamics, Environmental and Resource Economics, Ecological Economics, International Economics & Economic Policy, Journal of Environmental Planning and Management, Business Strategy & the Environment, Macroeconomics & Finance in Emerging Markets Economies, Global Environmental Change, Sustainability, Journal of Cleaner Production, Cogent Economics and Finance, Transnational Corporations Review, Contemporary Economic Policy, Environment Development and Sustainability, Clean Technologies & Environmental Policy, Journal of Asian Business & Economic Studies, Agriculture, Journal of Environmental Science and Pollution Research, HealthCare, Renewable energy, Africa Spectrum, Journal of Chinese Economic and Foreign Trade Studies, Foods, Journal of Water and Health, Heliyon, iScience, Energy efficiency, Science of the Total Environment, Natural Hazards, Journal of Risk and Financial Management, Land, Energy, INQUIRY: The Journal of Health Care Organization Provision, and Financing, SAGE Open, Inquiry, Energies, International Journal of Green Energy, Energy Strategy Reviews, Environmental Development,

International Journal of Agricultural Sustainability, International Journal of Sustainable Development & World Ecology, Journal of Knowledge Economy, Journal of the Asia Pacific Economy, Journal of Urban Management, Mathematics, NJAS Impact in Agricultural and Life Sciences, Natural Resources Forum, a United Nations Sustainable Development Journal, PLOS ONE, World Development Sustainability, Behavioral Sciences, Sustainable Cities and Society, African Journal of Economic and Management Studies, Cogent Social Sciences, Economies, Environmental Health Insights, International Journal of Environmental Research and Public Health, Open Agriculture, Renewable Agriculture and Food Systems, Journal of Applied Life Sciences and Environment, Journal of the Asia Pacific Economy, Climate & Development, Communications Earth and Environment, Discover Food, Discover Global Society, Discover Sustainability, Environment & Decision Systems, International Journal of Agricultural Sustainability, Technology Analysis & Strategic Management, Utilities Policy, Sustainable Futures, International Review of Applied Economics. African Journal of Economic and Management Studies, Agrekon, Communications Earth & Environment, Current Research in Environmental Sustainability, Discover Environment, Emerging Markets Finance & Trade,

STUDENT RESEARCH, A DVISIONING AND MENTORING

- Sokuntheary Heang, “The Effect of Textile & Garment Exports on Female Educational Attainment in Developing Countries” ‘24 Honors Thesis
- Nicholas Silvis, “Up in Smoke: Wildfires and Economic Growth,” ‘23 Honors Thesis (Outstanding Honors Thesis in the Economics Department; Dwight D. Eisenhower Society/R. M. Hoffman Family Memorial Prize in Economics prize)
- Elizabeth Miller, “The Effect of Drinking Water on Educational Attainment Differences in Varying Economic Development,” ‘19 Honors Thesis
- Haley Skinner, “Unsustainable Sustainability: Do Policies that Increase Environmental Quality Exacerbate Income Inequality?” ‘19 Honors Thesis
- Ha Nguyen, “The Effects of Workplace Diversity on Firm Performance,” ‘18 Honors Thesis
- Anna Brown, “The Effect of Airline Behavior on Aircraft Accidents,” ‘17 Honors Thesis
- Hongyan Zhou, “Nutritional Values of GMO Rice,” IDS/IDS90 Spring 2016
- Tyobista Girma, “Effectiveness of Non-Governmental Organizations in Africa,” Independent Study/Internship project, Spring ‘15
- Peter Standbridge, “Explaining the Rapid Proliferation of Eco-labels,” Mellon Scholars Program, Summer 2014-Spring ‘15
- William H. Campbell, “An Investigation into Bundling Services and Price Discrimination in the Communications Industry,” Independent Study/Internship project, Fall ‘13
- Rashida Aluko-Roberts, “The Myth of Free Education - Sister for Sister: Revolving Accounts of Self Sponsored Girls in Sisterhood for Change,” Independent Study/Internship project, Fall ‘13
- Gerard Z. Vernose, “Labor Economics and the Role of Labor Unions,” Independent Study/Internship project, Fall ‘13
- Ryan Tribue, “Africa’s Uneven Development: Causes and Consequences.” AFS/Capstone ‘10

PROFESSIONAL AFFILIATIONS

- Association of Environmental and Resource Economists, African Studies Association, Association for the Study of Middle East & Africa, American Economic Association, Western Economic Association, Interdisciplinary Environmental Association

LANGUAGES

English, Kom (native), French (fluent), German (Basic), Spanish (Beginner), Arabic (Beginner)