

## Dr. Gideon O. Fadiran

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### Profile Summary

Economist and sustainability researcher specializing in financial modeling, macroeconomic analysis, and policy evaluation. Proven success in securing research funding, delivering actionable insights for economic, energy, and environmental policies, and effectively engaging stakeholders. Experienced mentor and published author committed to impactful research.

### Education | [Google Scholar](#) 151

**Ph.D. in Computational Intelligence (Economics & Finance)**, University of Genoa, Italy (2013-2015)

- **Thesis title:** Investigating industrial and environmental sustainability in an agent based macro-economic framework (eurace)

**Master of Commerce in Financial Markets**, Rhodes University, South Africa (2009-2010)

- **Thesis title:** South African money market volatility, asymmetry and retail interest rates pass-through

**Bachelor of Arts in Economics & Statistics**, University of Swaziland (2004-2008)

### Key Skills

Software Expertise	Analytical Skills	Project Management & Communication
<ul style="list-style-type: none"><li>•EViews</li><li>•MATLAB</li><li>•R; STATA; SPSS</li><li>•Tableau; GitHub</li><li>•Linux</li><li>•HTML; XML</li><li>•LaTeX</li><li>•C++</li></ul>	<ul style="list-style-type: none"><li>•Economic modeling</li><li>•Quantitative analysis</li><li>•Policy evaluation</li><li>•Qualitative research</li></ul>	<ul style="list-style-type: none"><li>•Proposal writing</li><li>•Academic Publishing</li><li>•Stakeholder management</li><li>•Strategic communication</li><li>•Podcasting: host &amp; publish</li></ul>

**Software Expertise:** EViews, MATLAB, R, STATA, SPSS, Tableau, GitHub, Linux, CMS, HTML, XML, LaTeX. **Analytical Skills:** Economic modeling, policy analysis, qualitative and quantitative research. **Project Management and Communication:** Proposal writing, academic publications, project leadership, stakeholder engagement.

### Professional Experience

#### Self-Employed Consultant (Sole Proprietor)

**Faddy Insight | Ireland | Sept 2020 – Oct 2024 (Ongoing) | [www.faddyinsight.com](http://www.faddyinsight.com)**

**Status:** Sole trader engaged in independent research, digital content, and consulting while job hunting

- Founded and operated an independent consultancy focused on economic, financial, and sustainability analysis for public and private clients.
- Initiator and developer of an interactive tool ([EcoBits](#)) to measure and rank sustainable decisions and behaviours. The tool is grounded in academic research and informed by real-world sustainability studies and technological initiatives. It builds on a previous research report sponsored by the Environmental Protection Agency (EPA) Ireland, which I co-led.

- Produced and documented 3x CAD \$500,000 funding proposal for submission to the Canada Mortgage and Housing Corporation (CMHC) in 2025.
- Business and project website design, content development, research, guide, promotion and maintenance.
- Delivered market research, technical reports and research insights on need and demand, affordability assessments, and cost–benefit and community impact evaluations.
- Designed and maintained the Faddy Insight website and initiated a long-term development plan to include user interface tools for tracking sustainability technologies.
- Launched and managed a podcast under the "Our Voice" platform, responsible for hosting, editing, publishing, and content planning; topics promote critical discussion of public interest issues.
- Authored and featured blog content under the theme “From Economics to Everyday Life, Read, reflect, and share your voice”.
- Proactively pursued short-term engagements and professional development courses to diversify skills and maintain applied practice during transitional career phases.
- **Career breaks for family care and personal development:** Mar 2021–Nov 2022; Jul 2023–Apr 2024

**Academic Research & Teaching | University College Cork, Ireland | April 2016 - Dec 2018; Feb 2019 - Aug 2020**

- **Research Leadership and Funding**

Co-led the SPAC (Sustainable Production and Consumption) project, securing €150,000 in funding to drive pivotal research in sustainability and policy evaluation. Initiated research on clean technology, including electric vehicle, natural gas in the EU, sustainable consumer behavior, waste reduction, and sustainable technology diffusion, influencing national policy directions.

- **Policy and Economic Insights**

Delivered critical findings for the "Opportunities for Ireland in a Low Carbon Economy – Our 2050" project, shaping future economic policies.

- **Outreach and Communication**

Presented findings at conferences, workshops, and stakeholder meetings. Designed newsletters, policy briefs, and infographics while managing project websites and social media through Content Management Systems (CMS).

- **Academic Contributions**

Lectured part-time, trained Master’s students (local), examined PhD research (international), and collaborated with academic and professional networks.

- **Survey and Data Analysis Expertise**

Conducted business and consumer surveys (face-to-face, phone, and online), designed questionnaires, and analyzed data. Developed new methodologies, modeling scenarios, and quantitative designs.

- **Technical Skills and Publications**

Authored scientific publications, project reports, and journal reviews.

**Research Fellowship | University of Genoa, Italy | Feb – Apr 2016**

- Executed sustainability evaluations using macroeconomic agent-based models to inform environmental policy - within the project ‘SYMPHONY’.

**Consultant & Freelance Researcher | 2011 – 2012**

- Provided consultancy services, edited academic papers, and conducted independent research in economics and financial market.

**Economics Lecturer | Rhodes University, South Africa | 2010**

- Taught undergraduate economics courses, developed teaching materials, and mentored students to achieve academic excellence.

### Fellowships & Grants Awarded During Studies

- **PhD Fellowship (€36,000)** - University of Genoa, Italy. *Awarded through academic competition based on qualifications, presentation, and research proposal.*
- **Conference Sponsorships** - Fully funded (travel, accommodation, visa, and allowance) *Full cover for participation in academic conferences, including at Oxford University and a World Bank workshop.*

### Education in Detail

**Ph.D in Computational Intelligence – Focus on Economics and Finance 2013-2015**

- *University of Genoa (UNIGE), Italy. Won €36,000 PhD fellowship*
- **Thesis title:** *Investigating industrial and environmental sustainability in an agent based macro-economic framework (eurace)*
- **Software & data platforms:** *EViews, MATLAB, LaTeX, C-Language, HTML, XML, GitHub, Linux*
- **Courses:** *Innovation, Management and Sustainability; C++ Programming Language; Approximate and Adaptive Processing of Traditional Data and Data Streams; Introduction to Bionanotechnology; Regularization Methods for Machine Learning – RegML*

**Master of Commerce in Financial Markets**

**2009-2010**

- *Rhodes University, South Africa (SA), (50:50; 1 year course work & 1 year thesis).*
- **Thesis title:** *South African money market volatility, asymmetry and retail interest rates pass-through*
- **Published in no.1 South African impact rated economics journal (SAJE); sponsored for Oxford conference & World Bank workshop**
- **Software & data platforms:** *EViews, Thompson Datastream*

- **Courses:** Debt and foreign exchange markets; Equity and derivative markets; Portfolio theory and management; Financial Institutions, financial regulations and monetary policy; Quantitative Techniques in Financial Markets

### **Bachelor of Arts (Social Science); Majors: Economics & Statistics, 2004-2008**

- *University of Swaziland (UNISWA), Swaziland.*
- Sport team lead; Table tennis captain and representative for academic years 2006-2008; Sponsored- Swaziland & Botswana
- Class representative for academic year 2007-2008, Statistics Department, UNISWA
- **Software:** R-Language and STATA

### ***PROJECT OUTPUTS (PUBLICATION, WORKING PAPERS & PRESENTATIONS)***

#### **Selected Journal Publications:**

1. **Fadiran, G.O.**, Adebusuyi A.T., and Fadiran, D.O., (2019). "[Natural gas consumption and economic growth: evidence from selected natural gas vehicle markets in Europe](#)", *Energy Journal*, Vol.169, pg. 467-477. (using *EVIEWS & Matlab for analysis*)
2. **Fadiran, G.O.**, (2014). "[Bank Competition and Interest rate pass-through in the BRICS Economies](#)." *International Journal of Emerging Markets*, Vol. 9: 4, 471-487. (using *EVIEWS for analysis*).
3. **Fadiran, G.O.** and Edun, A., (2013). "[An Overview of the Repo Rate in an Inflation Targeting Economy](#)." *African Development Review*, Vol. 25: 621-635 (using *EVIEWS for analysis*).
4. **Fadiran, G.O.** and Ezeoha, A., (2012). "[South African Money Market Volatility, Asymmetry and Retail Interest Rates Pass-through](#)." *South African Journal of Economics*, Vol. 80:2, 157-180. (used *EVIEWS for analysis*).

#### **Project Report Publication**

5. **Fadiran, G.** and S Onakuse (2022). "Sustainable Production and Consumption: The Influence of Social Norms". Environmental Protection Agency, Research Report; Ireland [Download](#)

#### **Book Chapter Publication**

6. F. Tonelli, **G. Fadiran**, M. Raberto, S. Cincotti (2016), "[Approaching Industrial Sustainability Investments in Resource Efficiency through Agent-Based Simulation](#)", *Service Orientation in Holonic and Multi-Agent Manufacturing, series studies in computational intelligence*, Vol. 640, pp 145-155. Springer, (used *C-Language, Latex & Matlab for simulation & analysis*).

#### **Working Paper Series Publication**

7. **Fadiran, G.**, Sharma, T., Rogan, F. and O'Gallachoir, B., (2021). "[Opportunities for transition to low carbon fuel: scenarios for natural gas vehicles in road freight](#)", *SSRN Working Paper Series 3855537*. (used *MATLAB for analysis*)
8. Fadiran, D. and **Fadiran, G.**, (2021). "[Is Resource Inefficiency Self-Reinforcing? Evidence from the European Union](#)". SSRN eJournal *Category: Evidence From the European Union*. Environmental Economics eJournal Vol. 13, No. 28. (*SSRN Working Paper Series 3769634*). (used *STATA for analysis*)

9. **Fadiran, G.**, Rogan F., Mulholland, E., Ó Gallachoir, B. P., (2018). "[Agent-based models to understand diffusion of low carbon road transport technologies: an overview of applications](#)", *SSRN Working Paper Series 3702784*.
10. **Fadiran, G.**, Fadiran, D. and Ibn-Mohammed, T., (2017). "[Macroeconomic Policy effects on development transition–Views from Agent-based model](#)". *MPRA Working Paper 103197* (used C-Language & Matlab).

#### Policy Brief Publication

11. Fadiran, G., Colgan, J., Onakuse, S., (2020). [Opinion piece: Consumer views on incentives to promote public transport use in Ireland](#).
12. Onakuse, S., Fadiran, G., Colgan, J., (2019). [Identification of attitude-behavioural gaps and targets for attention of policy makers and the public – to stimulate sustainable behavioural change](#).
13. Fadiran, G., Sharma, T., Rogan, F. and O’Gallachoir, B., (2018). [Opportunities for natural gas and biogas vehicles in freight](#).

#### Presentation of Conference Papers, Posters, Training & Workshop (selected examples)

14. **Fadiran, G.**, Onakuse, S., Colgan, J., (2021). "Consumer views on incentives to promote public transport use in Ireland. 2021 International Conference on Resource Sustainability. July 19-23, 2021 (Virtual), University College Dublin, **Ireland**. (SPSS & AMOS)
15. Fadiran, D. and **Fadiran, G.**, (2020). "Dynamics of material consumption on economic growth: investigating resource inefficiency within the European Union". *EPA Research Programme Virtual Workshop, Ireland, 28 October, 2020*.
16. Fadiran, D. and **Fadiran, G.**, (2020). "Dynamics of material consumption on economic growth: investigating resource inefficiency within the European Union". *EPA/HSE Environment Conference, Ireland, 2 November, 2020*.
17. **Fadiran, G.**, Onakuse, S. and Colgan, J., (2020). "Identifying the presence and impact of environmental drivers to consumption and waste behaviour: the case of Irish consumers". *EPA Research Programme Virtual Workshop, Ireland, 28 October, 2020*.
18. **Fadiran, G.**, Onakuse, S. and Colgan, J., (2020). "Identifying the presence and impact of environmental drivers to consumption and waste behaviour: the case of Irish consumers". *EPA/HSE Environment Conference, Ireland, 2 November, 2020*.
19. Colgan, J., Onakuse, S., **Fadiran, G.**, (2019). "Towards sustainable production and consumption – understanding barriers and behavioural gaps". *Cork University Business School, Postgraduate Research Symposium, 13 May, 2019, 1 Lapp’s Quay, Centre for Executive Education, Ireland*,
20. **Fadiran, G.**, T. Sharma, F. Rogan, and O’Gallachoir, B., (2018). "On the path to a low carbon economy: Modelling transition to natural gas vehicle in road freight." *PNNL 37th International Energy Workshop, June 19-21, Chalmers University of Technology, Gothenburg, Sweden. (MATLAB)*
21. **Fadiran, G.**, F. Rogan, and O’Gallachoir, B., (2017). "Modelling sustainability transition and incentive policy views with agent-based model." *PNNL 36th International Energy Workshop, July 12-14, University of Maryland, College Park, Maryland, USA. (C language & MATLAB)*.
22. **Fadiran, G.**, F. Rogan, B. O’Gallachoir, and Delivand, M., (2017). "Modelling policy effects on technology - agent-based scenarios." *1st International Conference on Energy Research and Social Science, Poster, April 2-5, Barcelona, Spain. (C language & MATLAB)*

23. Tonelli, F., **Fadiran, G.**, S. Cincotti and M. Raberto., (2015). "Approaching Industrial Sustainability Investments in Resource Efficiency through Agent Based Simulation". *SOHOMA'15 Workshop*, Cambridge, November, **United Kingdom (UK)**. (C language & MATLAB)
24. **Fadiran, G.**, M. Raberto., S. Cincotti and Tonelli, F., (2015). "Investigating Resource Efficiency and Environmental Policy in an Agent Based Macro-Economic Framework (EURACE)." *Global Cleaner Production & Sustainable Consumption Conference*, November, Barcelona, **Spain**. (C language & MATLAB)
25. **Fadiran, G.**, M. Raberto and Cincotti, S., (2015). "Investigating resource efficiency and environmental policy effect in the eurace framework." *Global Cleaner Production & Sustainable Consumption Conference*, November, Barcelona, **Spain**. (C language & MATLAB)
26. **Fadiran, G.**, M. Raberto., Cincotti, S. and Tonelli, F., (2015). "Investigating resource efficiency, environmental tax and subsidy effect in an agent based macroeconomic framework (EURACE)." The 27th Annual EAEPE Conference. September, **University of Genoa, Genoa, Italy**. *Local organizing committee member*. (C language & MATLAB)
27. **Fadiran, G.**, Raberto, M, Tonelli, F., Cincotti, S. and S. Short., (2013). "Investigating Industrial Sustainability in an Agent-Based Macro-Economic Framework (EURACE)." WEHIA Conference, June 20-22, **Reykjavik University**, Iceland; and at the 21st AiIG PhD Summer School & Workshop in Management Engineering, Brixen, **Italy**. (C language & MATLAB)
28. **Fadiran, G.O.** and Ezeoha, A., (2013). "[Interest Rate Pass-Through: a South African Perspective](#)." CSAE Conference & World bank, March, **Oxford University, UK**. (EVIEWWS)

#### Invited Presentations on Project Opportunities for Ireland in a Low Carbon Economy

29. (2017). "Exploring opportunities for biogas and freight" **Our 2050 – Mid-Project Event**, June 19, Wilton House, Dublin, Ireland
30. (2018). "Exploring opportunities for gas and freight" **Our 2050 – Final-Project Event**, December 10, The Fitzwilliam Hotel, Dublin, Ireland

#### Professional Certifications and Ongoing Education

- ACCA (Association of Chartered Certified Accountants) – In progress
- Qualified Financial Advisor (QFA Regulation – Life Insurance Association Ireland (LIA) – Passed.
  - Loans – Exam May 2025

#### References

[Available upon request.](#)