CURRICULUM VITAE
George E. Halkos
~ 2026~

Personal Information		
Name:	George Emmanuel HALKOS	
Date and	7 September, 1963	
Place of Birth:	Athens, Greece	
Marital Status:	Married with two children	
Nationality:	Greek	
Status:	Professor (BA, MSc, Ph.D)	

Summary

Dr George Halkos is a Greek economist and academician, Professor in Economics of Natural Resources and the Director of the Operations Research Laboratory in the Department of Economics at the University of Thessaly. He is the Scientific Coordinator of the International Conference on Natural Resources and the Environment (ENVECON)

He has published more than ***300*** scientific papers in international peer-reviewed journals, in addition he has also written and edited ***17*** academic textbooks which are used as basic teaching materials in undergraduate and postgraduate programs of Greek universities.

He is included in the ***top 2%*** of researchers with the most citations for the years 2020, 2021, 2022, 2023, 2024 and 2025 for his career. Additionally, he holds the *second position* at the University of Thessaly for the year ***2025***, and holded the *first position* for the years 2021, 2022, 2023, and 2024 according to the list by Professor Dr. Ioannidis of Stanford University. Furthermore, in the global bibliographic database of economists IDEAS-RePEc, he is ranked in the top 1% worldwide, in Europe, in the European Union, and in Greece.

Education:

1989-92 Registered as full-time Ph.D student in the Dept. of Economics at the University of York. Thesis on Mathematical Economics with application to Environmental Economics (Title: *Economic perspectives of the acid rain problem in Europe*) under the supervision of Prof. John P. Hutton.

1988-89 Department of Economics and Related Studies, University of York: one year full-time M.Sc. Degree in Project Analysis, Finance and Investment.

1982-86 Department of Economics, University of Piraeus, (BA in Economics with Honors).

1976-81 Byron 1st High School, Athens.

Current Positions and Administrative Work

His career at the University of Thessaly began in 1999 as a contract and escalated all the positions till becoming a full Professor in 2012. Notably, he served as Vice-Chair of the Department of Economics and as an alternate member of the Senate of the University of Thessaly for four academic years (2009–2013). He was also the founding Director of the Master's Program titled *"Applied Economics"* in the Department of Economics at the University of Thessaly, which he organized and led for five academic years. Since 2008, as the Director of the Laboratory of Operations Research at the University of Thessaly, he founded the international conference *"Natural Resource and Environmental Economics"* (ENVECON), which since 2014 has focused on issues such as climate crisis, circular economy, biodiversity, and disasters. He also founded and

organized the first two *"Applied Economics"* conferences of the Department of Economics at the University of Thessaly.

Former Positions

He worked abroad between 1989 and 1991 as a research associate at the Stockholm Environment Institute of the University of York, where he later served as a Lecturer between 1992 and 1994 and as a Visiting Professor in 1998 in the Department of Environmental Economics and Environmental Management of the same university. He also collaborated as a research fellow between 1996 and 1997 at Swansea University.

In Greece, he served as a contract Lecturer between 1997 and 1999 at the University of the Aegean. Subsequently, he has taught and continues to teach as a Visiting Professor in the postgraduate programs of the Athens University of Economics and Business (2010–2025), the National and Kapodistrian University of Athens (2023–2025), among others.

Research Interests

His research interests include Environmental and Natural Resource Economics, Environmental Valuation, Climate Change and Risk Assessment, Corporate Social Responsibility and Environmental, Social, and Corporate Governance (ESG), Environmental Efficiency, Applied Econometrics and Statistics, Energy Economics, Health Economics, Economic Model Simulations, Applied Microeconomics with an emphasis on Welfare Economics, Circular Economy, Air Pollution, Game Theory, and the use of Mathematical Models such as Nonlinear Programming.

He has conducted research on topics related to Economic Analysis, Environmental Policy, and especially the United Nations Sustainable Development Goals, according to the Scopus database. His work has been internationally recognized, with citations in scientific databases, and often involves examining the interaction between economic development and environmental impacts, exploring how policies can be designed to promote sustainability while also fostering economic growth.

Research Work and Conference Participation

George Halkos has extensive experience as a principal investigator and scientific collaborator at various research and academic institutions, including the University of Piraeus, the Athens University of Economics and Business (formerly ASOEE), the University of the Aegean, the Stockholm Environment Institute, Panteion University, the Athens University of Applied Sciences (now University of West Attica), among others.

He has participated in projects funded by the European Union, including the PHARE programs (focused on the unification of statistical indicators and systems of EU candidate countries, such as Romania), the ODEMM project, the SYNERGASIA 2011 program of the General Secretariat for Research and Technology, as well as projects of EUROSTAT and the Ministry of Employment.

Additionally, from 2022 to 2024, he served as a lead researcher at the Research Center for Innovation in Information, Communication and Knowledge Technologies – "Athena," in the ARSINOE and SEAwise research projects. He was also involved in the PEERS, ARSINOE, and Impetus projects at the Athens University of Economics and Business. Furthermore, he served as lead researcher at University of Thessaly in the project NATALIE. Since 2023, he has been teaching at the National and Kapodistrian University of Athens (NKUA) in the professional training program on Environmental, Social, and Corporate Governance: Management Tools and Strategic Planning, as part of the NKUA Executive Education program.

Other Academic Activities

George Halkos has successfully supervised ***15*** PhD theses. Moreover, he has successfully supervised a number of dissertations in the various MSc courses taught of directed so far.

Selected Publications

GE Halkos, DS Salamouris (2004). Efficiency measurement of the Greek commercial banks with the use of financial ratios: a data envelopment analysis approach. Management accounting research 15 (2), 201-224.

G Halkos, D Bousinakis (2008) The influence of stress and satisfaction on productivity. International Journal of Productivity and Performance Management

GE Halkos (2003) Environmental Kuznets Curve for sulfur: evidence using GMM estimation and random coefficient panel data models. Environment and development economics 8 (4), 581-601

A Gkargkavouzi, G Halkos, S Matsiori (2019) Environmental behavior in a private-sphere context: Integrating theories of planned behavior and value belief norm, self-identity and habit. Resources, Conservation and Recycling 148, 145-156.

GE Halkos, EA Paizanos (2013) The effect of government expenditure on the environment: An empirical investigation. Ecological Economics 91, 48-56

GE Halkos, EC Gkampoura (2020) Reviewing usage, potentials, and limitations of renewable energy sources, Energies 13 (11), 2906.

GE Halkos, NG Tzeremes (2009) Exploring the existence of Kuznets curve in countries' environmental efficiency using DEA window analysis. Ecological Economics 68 (7), 2168-2176.

G Halkos, EC Gkampoura (2021) Where do we stand on the 17 Sustainable Development Goals? An overview on progress. Economic analysis and policy 70, 94-122

GE Halkos, EC Gkampoura (2021) Evaluating the effect of economic crisis on energy poverty in Europe. Renewable and Sustainable Energy Reviews 144, 110981

G Halkos, KN Petrou (2019) Treating undesirable outputs in DEA: A critical review. Economic Analysis and Policy 62, 97-104

G Halkos, S Nomikos (2021) Corporate social responsibility: Trends in global reporting initiative standards. Economic Analysis and Policy 69, 106-117

Acting Referee for the Journals

Environmental and Resource Economics, Journal of Environmental Economics and Management, Economic Analysis and Policy, Ecological Economics, Energy Economics, Energy Policy, Economic Modelling, Empirica, Environment and Development Economics, Environmental Economics and Policy Studies, Journal of Cleaner Production, Journal of Public Economics, Public Choice, Resource and Energy Economics, Empirical Economics, Annals of Operations Research, Journal of Applied Business Research, Management Accounting Research, Journal of Banking and Finance, Journal of Industrial Ecology, Journal of Environmental Management, Technology Analysis and Stratregic Management, International Business Review, Environmental Engineering and Management Journal, Greener Management International (The Journal of Corporate Environmental Strategy and Practice), Research in International Business and Finance, European Journal of Operational Research, Applied Mathematics and Computation, Journal of Modelling in Management, Journal of Statistical Computation and Simulation, Contemporary Economic Policy

Editor-in-Chief *International Journal of Climate Change Strategies and Management*, EMERALD
EBM and Former Associate Editor, in *Environment and Development Economics* (Cambridge University Press)

Editorial for Special Issues

1. Computational Economics (Springer)
2. Economic Analysis and Policy (Elsevier)
3. Energy Policy (Elsevier)
4. International Journal of Environment and Sustainable Development (Interscience)
5. Journal of Forest Economics (Elsevier)
6. Resources, Conservation & Recycling (Elsevier)
7. Environment, Development and Sustainability (Springer)
8. Economic Change and Restructuring (Springer)
9. Environment and Development Economics (Cambridge University Press)

Speaker or Keynote Speaker, inter alia, at:

Royal Economic Society; EniS.p.A. (multinational company in Rome) and the European Economics and Financial Centre in London; National Statistics Conference from the Hellenic Statistical Institute; European Association for Research in Industrial Economics (EARIE); International Conference in Applied Macro and Empirical Finance, April 21-22, 2017, Thessaloniki, Greece; European Association of Environmental and Resource Economists (EAERE); International Conference on Energy, Finance and the Macroeconomy (ICEFM)) in Montpellier Business School, France; Conference of the Scientific Society of Financial Engineering and Banking 18-19 December 2017 at the National Kapodistrian University of Athens; The Association for Public Economic Theory, APET; Professional Systemics in Action from the Hellenic Society for Systemic Studies, HSSS; International Network for Economic Research (INFER); Numerical Analysis and Applied Mathematics from the European Society of Computational Methods in Sciences, Engineering and Technology; Statistical Office of the European Communities, EUROSTAT.

Scientific Contribution

His work has been recognized, for instance, in testing the *Environmental Kuznets Curve* hypothesis using advanced econometric models, such as switching regime models with cross-sectional data, employing Bayesian Markov Chain Monte Carlo methods for computation, as well as the generalized method of moments and the random coefficients method in dynamic panel data analysis, as early as 2001. In subsequent years, he has tested this hypothesis in other critical sectors, such as tourism, industry, and waste management, and has also extended his work to the realm of fiscal policy.

He has also contributed significantly to *Data Envelopment Analysis* (DEA) across various sectors including banking, healthcare, energy, industry, education, sports, environmental efficiency, and waste management, especially through methodological advances for addressing undesirable outputs.

Environmental valuation has been a major area of his focus. He has developed econometric models for all three market types (direct, surrogate, and hypothetical) for the valuing and costing of environmental goods and services. His key contribution in environmental valuation lies in the use of econometric tools for estimating the value of non-market environmental goods and for assessing environmental impacts and integrating them into decision-making processes.

More recently, he has contributed to the field of *environmental psychology* through advanced analyses (e.g., Structural Equation Modeling, SEM), examining the normative beliefs of value, identity, and habit. He has explored the predictive power of nature connectedness, ecological worldview, and environmental concern in valuation studies. He has also contributed to *behavioral economics* and occupational psychology through econometric studies aimed at eliciting information about the effects of factors such as stress and satisfaction on employee productivity.

His research extends extensively to the *evaluation of energy efficiency*, the impact of renewable energy use on the economy, modeling of energy consumption along with environmental impacts, and the role of energy markets and regulatory frameworks, as well as issues related to sustainable development and the circular economy. Regarding the green transition, he has also studied its social impacts, such as the phenomenon of *energy poverty*. In addition, he has developed control curves for various air pollutants—such as sulfur and nitrogen oxides and F-gases (HFCs, PFCs, SF_6)—and based on these curves and game theory, he has proposed cost-effective strategies in Europe, distinguishing between first-best and second-best solutions.

His contribution to climate crisis decision-making is multifaceted, as he has worked on both mitigation and adaptation to climate change. His research focuses on the economic and social impacts of climate change and the development of policies to address it, particularly emphasizing the resilience of small and medium-sized enterprises (SMEs) to natural disasters.

He has been a pioneer in the field of *corporate social responsibility* (CSR) and the transition toward *environmental and social corporate governance* (ESG), combining academic research with practical implementation in business settings. His emphasis lies in integrating CSR and ESG into

sustainable development strategies and assessing their impact on business performance and practice, thereby strengthening the connection between theory and application. He has also presented policy proposals based on econometric tools regarding the impact of direct and indirect government spending and fiscal policy on the environment and pollution control.

Distinctions

Issued by Stanford University · August 2026
World's top ***2%*** of highly cited scientists for 2020, 2021, 2022, 2023, 2024, and 2025.

RePEc Rankings (Here)
Rank ***41*** within the Top Economists in the Field of ***Environmental Economics***, with score 41.65.
Issued by IDEAS RePEc (Research Papers in Economics) · Sept 2026
Top 1% Worldwide; ***Top 1%*** in Europe; ***Top 1%*** in European Union; ***Top 1%*** in Greece

Citations

	All	Since 2020
Citations	17680	11146
h-index	65	49
i10-index	264	193

Google Scholar (as of *24/10/2026*)

Contact Details and Relevant Information

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Google Scholar: http://scholar.google.gr/citations?user=ep-uwDUAAAAJ&hl=en
SCOPUS Profile: https://www.scopus.com/authid/detail.uri?authorId=6701440263
WoS Profile: https://www.webofscience.com/wos/author/record/AAE-4772-2020
LinkedIN Profile: www.linkedin.com/in/georgehalkos
REPEC Profile: http://ideas.repec.org/f/pha228.html
UTH Profile: https://www.econ.uth.gr/en/department/staff/faculty/61-dr-george-halkos