

Walid Marrouch

Lebanese American University
Department of Economics
P.O. Box 13-5053, Chouran Beirut 1102-2801 – Lebanon
Office: AKSOB 1517
Tel.: (+961) 1 78 64 56 (ext. 1517)
Email: walid.marrouch@lau.edu.lb

Lebanese American University
New York Branch Campus
211 East 46th Street
New York, N.Y. 10017, USA
Tel.: (+212) 203 4333
Fax: (+212) 784 6597

CURRENT EMPLOYMENT

- **Full Professor**, Department of Economics, Adnan Kassar School of Business, Lebanese American University (LAU), Beirut, Lebanon (Since September 2022)
- **Associate Dean** of Graduate Studies and Research, Lebanese American University (LAU), (Since September 2025)

AFFILIATIONS

- **Fellow**, Centre for Interuniversity Research and Analysis of Organizations (**CIRANO**), Montreal
- **Fellow**, Economic Research Forum for the Arab Countries, Iran and Turkey (**ERF**), Cairo
- **Expert**, National Centre for Social Research, (**NatCen**) International, London

PAST EMPLOYMENT

- Assistant Dean of Graduate Studies and Research, Lebanese American University (LAU), (January 2019–August 2025)
- Associate Professor (with tenure), Department of Economics, Adnan Kassar School of Business, Lebanese American University (LAU), Beirut, Lebanon (September 2015 – August 2022)
- Associate Chairperson, Department of Economics, LAU (October 2012 – January 2019)
- Assistant Professor, Department of Economics, Adnan Kassar School of Business, Lebanese American University (October 2009 – August 2015)
- Short-term consultant with UNDP Lebanon (2025), UN-ESCWA (2021), UNDP Regional Office for Arab States (2014), ILO (2013), & European Commission (2011)
- Lecturer, Department of Applied Economics, HEC Montréal (2007 –2009)
- Research & Teaching Assistant, Department of Economics, Concordia University, Montreal (2002–2004)

RESEARCH INTERESTS

- Environmental and Resource Economics
- Energy Economics
- Applied Game Theory
- Development Economics
- Industrial Organization

EDUCATION

- **Ph.D. Applied Economics** (2004 – 2009)
HEC Montréal (University of Montreal)
- **M.A. Economics** (2002 – 2004)
Concordia University
- **B.A. Economics** (major)/ History (minor) (1999 – 2002), with Distinction
American University of Beirut

REFERRED PUBLICATIONS

- [1]. "Natural Resource Dependence and War Nexus: New Insights" (With Al Shami, F., Araissi, M. and Sayour, N.). *Defence and Peace Economics*, volume 36, issue 7, 990–1006.
- [2]. "Determinants of Improper versus Proper Waste Disposal Practices by Households: Evidence from Greater Cairo's Urban Slums" (with Michael Fheili). *Cleaner Waste Systems*, volume 12, December 2025, 100410.
- [3]. "Who Uses Solar Water Heaters? Evidence from the Palestinian Territories" (With Kajjouni, V.). *Energy for Sustainable Development*, volume 85, 2025, 101645.
- [4]. "Monitoring poverty in a data deprived environment: The case of Lebanon" (with Makdissi, P., and Yazbeck, M.). *Review of Income and Wealth*, volume 71, issue 1, February 2025, e12708.
- [5]. "Emissions taxes under double-sided environmental externalities" (with Abdul Baki, G. and Benchekroun, H.), *Economics Letters*, volume 242, September 2024, 111884.
- [6]. "Are wars detrimental to the environment: Evidence from air pollution and land use" (with Sayour, N.), *Oxford Development Studies*, volume 52, issue 2, 2024, pp. 205–223.
- [7]. "Central air conditioning, air pollution and housing location: Evidence from Lebanon" (with Al Gharib, F.), *International Journal of Housing Markets and Analysis*, volume 16, issue 5, 2023, pp. 979-990.
- [8]. "Polluting resource extraction and climate risk" (with Hashem, I.), *Natural Resource Modeling*, volume 36, Issue 1, February 2023, e12354. (*lead article*)
- [9]. "Environmental taxation in the Bertrand differentiated duopoly: New insights" (with Abdul Baki, G.), *Resource and Energy Economics*, volume 70, November 2022, 101329.
- [10]. "A stochastic dominance test under survey nonresponse with an application to comparing trust levels in Lebanese public institutions" (with Fakih, A., Makdissi, P., Tabri, R., and Yazbeck, M.), *Journal of Econometrics*, volume 228, issue 2, June 2022, pp. 342-358.
- [11]. "Hedonic housing prices and environmental quality in Lebanon" (with Sayour, N.), *International Journal of Housing Markets and Analysis*, volume 14, issue 5, 2022, pp. 953-968.
- [12]. "Adaptation to climate change and emissions: halo effect or complacency?" (With Djoundourian, S. and Sayour, N.), *Energy Journal*, volume 43, issue 4, 2022.
- [13]. "Who cares about environmental quality in the MENA region? (With Dibeh, G., Fakih, A. and Matar, G.), *Social Indicators Research*, volume 157, issue 2, September 2021, pp. 603–629
- [14]. "Tourism-growth nexus under duress: Lebanon during the Syrian crisis" (with Dibeh, G. and Fakih, A.), *Tourism Economics*, volume 26, Issue 3, May 2020, pp. 353–370 (*lead article*).
- [15]. "Is there a garbage Kuznets curve? Evidence from OECD countries" (with Baalbaki, R.), *Economics Bulletin*, volume 40, issue 2, 2020, pp. 1049–1055.
- [16]. "Effect of gasoline prices on car fuel efficiency: Evidence from Lebanon" (with Mourad, J.), *Energy Policy*, volume 135, December 2019.
- [17]. "Employment and skill mismatch among youth in Lebanon" (with Dibeh, G. and Fakih, A.), *International Journal of Manpower*, volume 40, issue 8, November 2019, pp. 1438–1457.
- [18]. "Labor market and institutional drivers of youth irregular migration in the Middle East and North Africa region" (with Dibeh, G. and Fakih, A.), *Journal of Industrial Relations*, April 2019, volume 61, issue 2, pp. 225–251.
- [19]. "Environmental Kuznets Curve, a mirage? A semi-parametric analysis for MENA countries" (with Fakih, A.), *International Advances in Economic Research*, volume 25, issue 1, 2019, pp. 113–119.
- [20]. "Guns and butter? Military expenditure and health spending on the eve of the Arab Spring" (with Coutts, A., Daoud, A., Fakih, A. & Reinsberg, B.), *Defence and Peace Economics*, volume 30, issue 2, 2019, pp. 227–237.
- [21]. "Decision to emigrate amongst the youth in Lebanon" (with Dibeh, G. and Fakih, A.), *International Migration*, volume 56, issue 1, January 2018, pp. 5–22. (*lead article*)
- [22]. "Adaptation technology and free-riding incentives in international environmental agreements" (with Ray Chaudhuri, A. and Benchekroun, H.). in S. Cagatay, O. Kayalca and H. Mihci (eds.), *Economics of*

International Environmental Agreements: A Critical Approach, Routledge Explorations in Environmental Economics, Routledge U.K, March 2017, chapter 11.

[23]. "Adaptation to climate change: How does heterogeneity in adaptation costs affect climate coalitions?" (with Lazcano, I. and Nkuiya, B.), *Environment and Development Economics*, volume 21, issue 6, December 2016, pp. 812–838.

[24]. "International Environmental Agreements: Doomed to fail or destined to succeed? A review of the literature", (with Ray Chaudhuri, A.), *International Review of Environmental and Resource Economics*, volume 9, issue 3–4, September 2016, pp. 245–319. (reprinted as chapter 8 in International environmental agreements / [edited by] Peter H. Sand, Northampton, MA : Edward Elgar Pub., 2019)

[25]. "International environmental agreements under endogenous uncertainty", (with Nkuiya, B. and Bahel, E), 2014, *Journal of Public Economic Theory*, volume 17, issue 5, October 2015, pp. 752–772.

[26]. "The electricity consumption, employment, and growth nexus: Evidence from Lebanon", (with A. Fakih), *OPEC Energy Review*, volume 39, issue 3, September 2015, pp. 298–321.

[27]. "Who hires foreign domestic workers? Evidence from Lebanon" (with Fakih, A.), *Journal of Developing Areas*, volume 48, issue 3, summer 2014, pp. 339–352.

[28]. "Joint market power in banking: Evidence from developing countries" (with Turk-Ari, R.), *Journal of International Financial Markets, Institutions and Money*, volume 31, July 2014, pp. 253–267.

[29]. "The economics of oil, biofuel and food commodities" (with Bahel, E. and Gaudet, G.), 2013, *Resource and Energy Economics*, volume 35, issue 4, November 2013, pp. 599–617.

[30]. "Bargaining with linked disagreement points" (with Leroux, J.), *Strategic Behavior and the Environment*, volume 2, issue 3, September 2012, pp. 259–277.

[31]. "Emission taxes when pollution depends on location" (with Sinclair-Desgagné, B.), *Environment and Development Economics*, volume 17, issue 4, August 2012, pp. 433–443.

[32]. "Short-run price and income elasticity of gasoline demand: Evidence from Lebanon" (with Ben Sita, B. and S. Abosedra), *Energy Policy*, volume 46, July 2012, pp. 109–115.

OTHER PUBLICATIONS

[1]. "The economic impacts of Syrian refugees: challenges and opportunities in host countries" (with Fakih. A.), *Georgetown Journal of International Affairs*, November 10, 2015.

WORKING PAPERS

- "Willingness to Pay for Clean Air: Evidence from the UK" (with Maarraoui, G., Saliba, F., and Wossink, A.) **IMF Working Paper No. 2023/035, 2023**.
- "Monitoring poverty in a data deprived environment: The case of Lebanon" (with Madkissi, P., and Yazbeck, M.) **Human Capital and Economic Opportunity Working Group, University of Chicago. Working Papers 2022-014**.
- "Economic Development and COVID-19 Cases," (with Nagham Sayour) **CIRANO Working Papers 2020s-18**, CIRANO, 2020.
- "*Confidence in Public Institutions and the Run up to the October 2019 Uprising in Lebanon*" (with Ali Fakih, Paul Makdissi, Rami Tabri, and Myra Yazbeck) **IZA Discussion Papers No. 13104**, Institute for the Study of Labor (IZA), 2020.
- "*The Determinants of Domestic Workers Employment: Evidence from Lebanon*" (with Ali Fakih), **IZA Discussion Papers No. 6822**, Institute for the Study of Labor (IZA), 2012.
- "*Bank pricing under oligopsony-oligopoly: Evidence from 103 developing countries*", (with Rima Turk-Ari, BOFIT Discussion Papers 1/2012, Bank of Finland, Institute for Economies in Transition, 2012.
- "*Adaptation Effectiveness and Free-Riding Incentives in International Environmental Agreements*", (with Hassan Benchekroun and Amrita Ray Chaudhuri). **Discussion Paper 2011-120, Tilburg University**, Center for Economic Research, 2011.

- *“International Environmental Agreements in the Presence of Adaptation”* (With Amrita Ray Chaudhuri), 2011, **Working Papers 2011.35, Fondazione Eni Enrico Mattei**.
- *“A Trade-Environment Coalition Game”* (with Lucia Sbragia). mimeo
- *“Regulating Man-Made Sedimentation in Riverways”* (with Bernard Sinclair-Desgagné), January 2008, CIRANO Scientific Papers 2008s-04.
- *“Economic Growth Collapse under Resource Abundance”*, 2004, M.A. research paper, mimeo

POLICY REPORTS

- [1]. [Building urban economic resilience plan for the city of Beirut](#), Local Consultant, UN-ESCPWA, January 2023.
- [2]. Climate and Environmental Change in the Mediterranean Basin – Current Situation and Risks for the Future. First Mediterranean Assessment Report one of 190 contributing coauthors [Cramer, W., Guiot, J., Marini, K. (eds.)] Union for the Mediterranean, Plan Bleu, UNEP/MAP, Marseille, France, 632pp, ISBN 978-2-9577416-0-1, 2020 <https://zenodo.org/records/4768833>
- [3]. [The poor and the marginalized in Lebanon: Labor market challenges and Policy Implications](#), Coauthored with Ghassan Dibeh and Ali Fakih, SAHWA policy paper No. 1, **Barcelona Centre for International Affairs (CIDOB)**, 2016.
- [4]. Alternatives to the Kafala (sponsorship) System for Women Migrant Domestic Workers in Lebanon, coauthored with Ali Fakih, commissioned by the PROWD project at the **International Labour Organization Regional Office for the Arab States**, 2014.
- [5]. [The 2012 Survey on Sustainable Enterprise Development in the Mediterranean Partner Countries](#), sponsored by the **European Commission**, conducted by Oxford Research (Co-author and contributor for Lebanon).

RESEARCH GRANTS

- **Lebanese Republic, National Council for Scientific Research**, (CNRS) grant (2016–2018), “Impact of the Syrian Crisis on Tourism in Lebanon”, **grant amount: US\$ 8000**.
- **European Union, Seventh Framework Programme-FP7** (2014–2017) “Researching Arab Mediterranean Youth: Towards a New Social Contract (SAHWA)” as part of a consortium led by the Centre for International Information and Documentation in Barcelona (CIDOB) (Co-investigators: Ghassan Dibeh and Ali Fakih), **grant amount: € 178,022**.

CONFERENCE AND SEMINAR PRESENTATIONS

- Urban Economics and Resilient Cities webinar, organized by the **Arab Mayors Academy** (UNESCPWA, UN-Habitat, United Nations Office for Disaster Risk Reduction (UNDRR)), **October 28, 2025**.
- AUB-LAU Beirut Economics Research Seminar Series, Lebanese American University, **Beirut, September 10, 2025**
- Department of Economics, University of New Brunswick, **Fredericton, June 9-10, 2025**.
- 59th Annual Meeting of the **Canadian Economics Association** (CEA), Université du Québec à Montréal, **Montreal, May 29– 31, 2025**.
- **Arab Council for the Social Sciences** (ACSS) seventh conference, titled “Devastation, Imaginaries and Knowledge: Regional Junctures and Global Repercussions”, **Beirut, May 15-18, 2025**.
- War’s Silent Victims – Hidden Impacts of the 2024 War on Lebanon Conference, Lebanese American University, **Beirut, April 28-29, 2025**.
- Middle East Economics Association (MEEA) sessions at the **Allied Social Sciences Association** (ASSA) 2025 (online) annual meetings, **San Francisco, January 7, 2025**.
- Urban Economics and Resilient Cities webinar, organized by the **Arab Mayors Academy** (UNESCPWA, UN-Habitat, UCLG-MEWA), **Beirut, September 18, 2024**.

- Financial Crime and Cash Economy conference, co-organized by Holy Spirit University of Kaslik and Rethinking Lebanon in collaboration with the **Lebanese Army**, Holy Spirit University of Kaslik campus, Lebanon, **March 26, 2024**.
- The 26th Annual (online) Conference of the **European Association of Environmental and Resource Economists (EAERE)**, **Berlin, June 23–25, 2021**.
- Middle East Economics Association (MEEA) sessions at the **Allied Social Sciences Association (ASSA)** 2021 (online) annual meetings, **Chicago, January 3–5, 2021**.
- Middle East Economics Association (MEEA) sessions at the **Allied Social Sciences Association (ASSA)** 2020 annual meetings, **San Diego, January 3–5, 2020**.
- The 24th Annual Conference of the European Association of Environmental and Resource Economists, **Manchester, June 26–29, 2019**.
- Middle East Economics Association (MEEA) sessions at the **Allied Social Sciences Association (ASSA)** 2019 annual meetings, **Atlanta, January 3–7, 2019**.
- Guest conference speaker, Revisiting Youth Policies and Role within the 2030 Agenda for Sustainable Development Workshop, organized by the **UNDP** and **UNESCO**, **Beirut, June 21, 2018**.
- MCD Guest Seminar SAHWA Project: Morocco, Algeria, Tunisia, Egypt and Lebanon, Presentation on Youth Employability and Skill Mismatch in Lebanon, Conference Room: HQ1-7-611, **International Monetary Fund (IMF)**, **Washington DC, January 9, 2018**.
- Middle East Economics Association (MEEA) sessions at the **Allied Social Sciences Association (ASSA)** 2018 annual meetings, **Philadelphia, January 3–7, 2018**.
- 50th Annual Meeting of the **Canadian Economics Association (CEA)**, University of Ottawa, **Ottawa, June 3–5, 2016**.
- 4th Annual Summer Conference of the **Association of Environmental and Resource Economists (AERE)**, **San Diego, June 3–5, 2015**.
- Economics Department Seminar Series, **American University of Beirut, April 27, 2015**.
- 5th **World Congress of Environmental and Resource Economists (WCERE)**, **Istanbul, Turkey, June 28 – July 2, 2014**.
- Association of Environmental and Resource Economists (AERE) sessions at the **Allied Social Sciences Association (ASSA)** 2014 annual meetings, **Philadelphia, January 2–5, 2014**.
- 19th Annual Conference of the **European Association of Environmental and Resource Economists (EAERE)**, **Vysoká škola ekonomická, Prague, June 27–30, 2012**.
- United Nations Economic and Social Commission for West Asia (UN-ESCWA), Expert Group Meeting on Mathematical Model for the Arab Region Report 2024, UN House – **Beirut, 28–29 July 2011**.
- United Nations Economic and Social Commission for West Asia (UN-ESCWA), Meeting on Economic Policies Supporting the Transition to a Green Economy in the Arab Region, UN House – **Beirut, 20–21 July 2011**.
- 18th Annual Conference of the **European Association of Environmental and Resource Economists (EAERE)**, University of Rome Tor Vergata, **Rome, June 29 – July 2, 2011**.
- The Montreal Natural Resources and Environmental Economics Workshops, **McGill University, Montreal, February 11, 2011**.
- Seminar, Group for Research in Decision Analysis (GERAD), **Université de Montréal, February 3, 2011**.
- 44th Annual Meeting of the **Canadian Economics Association (CEA)**, **University of Laval, Quebec City, May 28 – May 30, 2010**.
- The Montreal Natural Resources and Environmental Economics Workshops, **McGill University, Montreal, February 12, 2010**.
- 43rd Annual Meeting of the **Canadian Economics Association (CEA)**, University of Toronto, **Toronto, May 29 – May 31, 2009**.
- 5th CIREQ Ph.D. Students' Conference, **McGill University, Montreal, May 26, 2009**.

- The Montreal Natural Resources and Environmental Economics Workshops, **McGill University, Montreal, January 23, 2009.**
- 42nd Annual Meeting of the **Canadian Economics Association** (CEA), University of British Columbia, **Vancouver, June 6–8, 2008.**
- Groupe de recherche en affaires internationales (GRAI- **HEC Montréal**) seminar series, **Montreal, May 4, 2008.**
- The Montreal Natural Resources and Environmental Economics Workshops, **McGill University, Montreal, March 14, 2008.**
- 41st Annual Meeting of the **Canadian Economics Association** (CEA), Dalhousie University, **Halifax, June 1 – June 3, 2007.**
- 3rd CIREQ Ph.D. Students' Conference, **Concordia University, Montreal, May 19, 2007.**
- The Montreal Natural Resources and Environmental Economics Workshops, **McGill University, Montreal, March 9, 2007.**

COURSES TAUGHT

- Microeconomics (BS Economics, LAU), Intermediate Microeconomics (BS Economics, LAU), Environmental Economics (BS Economics, LAU), Environmental, Resource, and Energy Economics (BS Economics, LAU), Advanced Microeconomics (MA Applied Economics, LAU), Environmental and Resource Economics (MA Applied Economics, LAU), Mathematical and Computational Models in Applied Economics (MA Applied Economics, LAU), Economic Modelling (MA Applied Economics, LAU), Business Economics (MBA, LAU), Games in Business Strategy (EMBA, LAU), Microeconomic Analysis (BAA, HEC Montréal), Economic Problems and Policy Analysis (BAA, HEC Montréal)

PROFESSIONAL MEMBERSHIPS

- American Economic Association (AEA)
- Arab Council for the Social Sciences (ACSS)
- Association of Environmental and Resource Economists (AERE)
- Canadian Economics Association (CEA)
- Canadian Resource and Environmental Economics Association (CREEA)
- European Association of Environmental and Resource Economists (EAERE)
- International Association for Energy Economics (IAEE)
- Middle East Economic Association (MEEA)
- Mediterranean Experts on Climate and environmental Change (MedECC) network
- Member of the Harvard Business Review (HBR) Advisory Council, an opt-in research community of business professionals.