

## Walid Marrouch

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### CURRENT EMPLOYMENT

- **Full Professor**, Department of Economics, Adnan Kassar School of Business, Lebanese American University (LAU), Beirut, Lebanon (Since September 2022)
- **Assistant Dean of Graduate Studies and Research**, Lebanese American University (LAU), (Since January 2019)

### AFFILIATIONS

- **Fellow**, Center for Interuniversity Research and Analysis of Organizations (**CIRANO**), Montreal
- **Fellow**, Economic Research Forum for the Arab Countries, Iran and Turkey (**ERF**), Cairo & Dubai

### PAST EMPLOYMENT

- 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 UN-ESCWA (2021), UNDP (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

### 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

### REFEREED PUBLICATIONS

- [1]. “Polluting Resource Extraction and Climate Risk” (with Hashem, I.), ***Natural Resource Modeling***, volume 36, Issue 1, February 2023, e12354. (*lead article*)
- [2]. “Environmental taxation in the Bertrand differentiated duopoly: New insights” (with Abdul Baki, G.),

- Resource and Energy Economics**, volume 70, November 2022, 101329.
- [3]. “Central Air Conditioning, Air Pollution and Housing Location: Evidence from Lebanon” (with Al Gharib, F.), **International Journal of Housing Markets and Analysis** (forthcoming).
- [4]. “A stochastic dominance test under survey nonresponse with an application to comparing trust levels in Lebanese public institutions” (with Fakh, A., Makdissi, P., Tabri, R., and Yazbeck, M.), **Journal of Econometrics**, volume 228, issue 2, June 2022, pp. 342-358.
- [5]. “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.
- [6]. “Adaptation to climate change and emissions: halo effect or complacency?” (With Djoundourian, S. and Sayour, N.), **Energy Journal**, volume 43, issue 4, 2022.
- [7]. “Who Cares about Environmental Quality in the MENA Region? (With Dibeh, G., Fakh, A. and Matar, G.), **Social Indicators Research**, volume 157, issue 2, September 2021, pp. 603–629
- [8]. “Tourism-growth nexus under duress: Lebanon during the Syrian crisis” (with Dibeh, G. and Fakh, A.), **Tourism Economics**, volume 26, Issue 3, May 2020, pp. 353–370 (*lead article*).
- [9]. “Is there a garbage Kuznets curve? Evidence from OECD countries” (with Baalbaki, R.), **Economics Bulletin**, volume 40, issue 2, 2020, pp. 1049–1055.
- [10]. “Effect of gasoline prices on car fuel efficiency: Evidence from Lebanon” (with Mourad, J.), **Energy Policy**, volume 135, December 2019.
- [11]. “Employment and skill mismatch among youth in Lebanon” (with Dibeh, G. and Fakh, A.), **International Journal of Manpower**, volume 40, issue 8, November 2019, pp. 1438–1457.
- [12]. “Labor Market and Institutional Drivers of Youth Irregular Migration in the Middle East and North Africa Region” (with Dibeh, G. and Fakh, A.), **Journal of Industrial Relations**, April 2019, volume 61, issue 2, pp. 225–251.
- [13]. “Environmental Kuznets Curve, a mirage? A semi-parametric analysis for MENA countries” (with Fakh, A.), **International Advances in Economic Research**, volume 25, issue 1, 2019, pp. 113–119.
- [14]. “Guns and butter? Military expenditure and health spending on the eve of the Arab Spring” (with Coutts, A., Daoud, A., Fakh, A. & Reinsberg, B.), **Defence and Peace Economics**, volume 30, issue 2, 2019, pp. 227–237.
- [15]. “Decision to emigrate amongst the youth in Lebanon” (with Dibeh, G. and Fakh, A.), **International Migration**, volume 56, issue 1, January 2018, pp. 5–22. (*lead article*)
- [16]. “Adaptation technology and free-riding incentives in international environmental agreements” (with Ray Chaudhuri, A. and Bencheikroun, 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.
- [17]. “Adaptation to climate change: How does heterogeneity in adaptation costs affect climate coalitions?” (with Lazkano, I. and Nkuiya, B.), **Environment and Development Economics**, volume 21, issue 6, December 2016, pp. 812–838.
- [18]. “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)
- [19]. “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.
- [20]. “The electricity consumption, employment, and growth nexus: Evidence from Lebanon”, (with A. Fakh), **OPEC Energy Review**, volume 39, issue 3, September 2015, pp. 298–321.
- [21]. “Who Hires Foreign Domestic Workers? Evidence from Lebanon” (with Fakh, A.), **Journal of Developing Areas**, volume 48, issue 3, summer 2014, pp. 339–352.

- [22]. “Joint market power in banking: Evidence from developing countries” (with Turk-Ariss, R.), *Journal of International Financial Markets, Institutions and Money*, volume 31, July 2014, pp. 253–267.
- [23]. “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.
- [24]. “Bargaining with linked disagreement points” (with Leroux, J.), *Strategic Behavior and the Environment*, volume 2, issue 3, September 2012, pp. 259–277.
- [25]. “Emission taxes when pollution depends on location” (with Sinclair-Desgagné, B.), *Environment and Development Economics*, volume 17, issue 4, August 2012, pp. 433–443.
- [26]. “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 Fakhri, A.), *Georgetown Journal of International Affairs*, November 10, 2015.

#### PAPERS UNDER REVIEW

- [1]. “Are wars detrimental to the environment: Evidence from air pollution and land use” (with Sayour, N.)
- [2]. “Monitoring poverty in a data deprived environment: The case of Lebanon” (with Makdissi, P., and Yazbeck, M.)

#### RESEARCH IN PROGRESS

- “The political economy of resource abundance and war: an empirical examination” (with Arayssi, M., and Al Shami, F.)
- “Announcement effect and exchange rate volatility in Lebanon” (with Jamali, I. and El Hokayem, J.)
- “Inequality of opportunity and individual income in Lebanon” (with Dibeh, G. and Fakhri, A.)
- “Emission taxes and pure market structure: a unifying framework” (with Abdul Baki, G. and Bencheikroun, H.)
- “The happiness price of air pollution: evidence from the UK” (with Maarraoui, G., Saliba, F., and Wossink, G.)
- “The environmental Kuznets curve hypothesis between theory and application, a survey”

#### 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 Makdissi, P., and Yazbeck, M.) Human Capital and Economic Opportunity Working Group. 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 Fakhri, Paul Makdissi, Rami Tabri, and Myra Yazbeck) IZA Discussion Paper No. 13104, Institute for the Study of Labor (IZA), 2020.
- “The Determinants of Domestic Workers Employment: Evidence from Lebanon” (with Ali Fakhri), IZA Discussion Papers 6822, Institute for the Study of Labor (IZA), 2012.
- “Bank pricing under oligopsony-oligopoly: Evidence from 103 developing countries”, (with Rima Turk-Ariss). 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 Bencheikroun 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]. MedECC (2020) [Climate and Environmental Change in the Mediterranean Basin – Current Situation and Risks for the Future](#), one of 190 contributing coauthors. First Mediterranean Assessment Report [Cramer, W., Guiot, J., Marini, K. (eds.)] **Union for the Mediterranean, Plan Bleu, UNEP/MAP**, Marseille, France, 600pp, in press.
- [2]. [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.
- [3]. 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.
- [4]. [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

- The 26<sup>th</sup> Annual (online) Conference of the European Association of Environmental and Resource Economists, **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 24<sup>th</sup> 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, 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**.

- 50<sup>th</sup> Annual Meeting of the **Canadian Economics Association** (CEA), University of Ottawa, **Ottawa, June 3–5, 2016.**
- 4<sup>th</sup> 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.**
- 5<sup>th</sup> **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.**
- 19<sup>th</sup> 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.**
- 18<sup>th</sup> 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.**
- 44<sup>th</sup> 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.**
- 43<sup>rd</sup> Annual Meeting of the **Canadian Economics Association** (CEA), University of Toronto, **Toronto, May 29 – May 31, 2009.**
- 5<sup>th</sup> 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.**
- 42<sup>nd</sup> 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.**
- 41<sup>st</sup> Annual Meeting of the **Canadian Economics Association** (CEA), Dalhousie University, **Halifax, June 1 – June 3, 2007.**
- 3<sup>rd</sup> 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.**

#### **EXPERT GROUP MEETINGS**

- **Session Chair and Discussant** at the virtual discussion series on Housing Uncertainties, Financial Crisis, and Social Protections organized by The Beirut Urban Lab (BUL), Habitat for Humanity (HfH) through the Lebanon National Programme and the MENA Urban Housing Practitioners Hub (MENA-UHPH), the Norwegian Refugee Council (NRC), and the United Nations Human Settlements Programme (UN-Habitat) Lebanon Country Programme, **June 13, 2023.**

- **Invited expert economist** at consultation meeting to discuss the preliminary findings of World Bank Group's Climate Change and Development Report for Lebanon organized by the World Bank, Beirut, **May 4, 2023.**
- **Invited speaker** at the Regional Event on Building Urban Economic Resilience during and after COVID-19 organized by UN-ESCWA, **April 21, 2022.**
- **Co-organizer** -with the Gender Justice, Population and Inclusive Development unit- “Workshop on Planning for Urban Economic Resilience and Recovery in Beirut”, **October 15, 2021.**
- **Invited speaker** at the Erasmus+ Webinar on ‘Impact of International Ranking on the Performance of Lebanese HEIs and the New U-Multirank Approach’, **June 15, 2021.**
- **Invited expert economist** at the 1<sup>st</sup> regional webinar on “Monitoring and Reporting Progress on the Implementation of the New Urban Agenda” organized by UN-Habitat and UN-ESCWA, **May 26, 2021.**
- **Co-organizer** -with the Gender Justice, Population and Inclusive Development unit- the Validation and Local Visioning Workshop in Beirut as part of the global project on “Building Urban Economic Resilience during and after COVID-19”, UN-ESCWA, Beirut, **March 29, 2021.**
- **Invited expert economist** at the 3RF multistakeholder roundtable - Improving Infrastructure organized jointly by the World Bank Group, United Nations and European Union as part of Rapid Damage and Needs Assessment (RDNA) for the Beirut August 4 explosion, Online, **September 21, 2020.**
- Consultations of the World Bank’s Middle East Department on Electricity Reform in Lebanon, World Bank Offices, **Beirut, July 29, 2019.**
- **Invited expert economist** at -United Nations Economic and Social Commission for West Asia (UN-ESCWA), Expert Group Meeting “Peer Review of the Survey of Economic & Social Developments in the Arab Region 2018–2019”, UN House – Beirut, **June 11, 2019.**
- **Invited environmental economist** at the Outreach Seminar organized by LIBNOR and ISO TC SC1 WG8, Organizations and environmental costs and benefits–the new ISO standards 14007& 14008, Bank Audi Headquarters, Beirut, **March 12, 2019.**
- **Moderator** at the War Economy / Reconstruction Economy in Syria Workshop, Asfari Institute of Civil Society and Citizenship, American University of Beirut, **March 2, 2019.**
- **Invited expert economist** in a closed roundtable discussion on “Lebanon Socio-Economic Challenge”, **Institute of Social Justice and Conflict Resolution, LAU, February 28, 2019.**
- **Invited expert economist** at the UN Conference on Financing Sustainable Development ~ Curbing Illicit Financial Flows, UN ESCWA, Beirut, **November 28–29, 2018.**
- **Mentor** at the second edition of the Agrytech Hackathon, organized by Berytech in partnership with Farm Hack NL - international hackathon organizers, **Berytech Mkalles, April 21, 2018.**
- **Mentor** for the start-up programme in sustainable water, sanitation and resource management. Organized by The Cewas Middle East, in Cooperation with Viridis Investment Fund – Fondation Diane and Berytech, **Beirut Digital District (BDD), March 24, 2018.**
- **Mentor** in Startup Weekend Mount Lebanon, organized by **Berytech, USEK – Kaslik, March 10, 2018.**
- **Invited expert economist** at the World Bank Consultations Lebanon on the National Creation Jobs Program for Results (PforR) - Environmental and Social System Assessment (ESSA) Report, **World Bank Beirut Regional Office, February 26, 2018.**
- **Mentor** in Startup Weekend North Lebanon, organized by **Berytech, University of Balamand, February 17, 2018.**
- Panel moderator and presenter at panel 6 “Financialization and its capital flows” at the conference on “The Financialization of Housing and Real Estate in Lebanon: An Exchange”, organized by the **Orient-Institut Beirut, November 1–3, 2017.**
- Invited expert at the Launching Ceremony of the Arab Development Portal and Regional Workshop on the SDGs organized by the Regional Office for Arab States, **UNDP, Amman, April 25–27, 2016.**

- Invited expert, Arab Women in the Sustainable Development Agenda 2015 – 2030 meeting, co-organized by the **UNDP, UN Women, The League of Arab States, and the Arab Women Organization. Cairo, November 29 – December 1, 2015.**
- Invited expert, Arab Development Portal, End-Users Consultations, Regional Bureau for Arab States, **UNDP, Amman, February 23, 2014.**
- Arab Development Portal, End-Users Consultations, Regional Bureau for Arab States, **UNDP, Beirut, February 13, 2014.**
- The “German-Arab Relations in Development, Politics, Business and Culture” workshop. Organized by the German Academic Exchange Service (**DAAD**), **Berlin, May 13–17, 2013.**
- The International Food Policy Research Institute, **IFPRI-UN-ESCWA Food Secure Arab World conference, UN House – Beirut, 6–7 February 2012.**
- Consultations on the **World Bank’s** Regional Report on “jobs in the Middle East and North Africa: opening up opportunities for all”, World Bank Offices, **Beirut, November 17, 2011.**
- United Nations Economic and Social Commission for West Asia (**UN-ESCWA**), Expert Group Meeting on Macroeconomic Tools for MDGs Achievement in Conflict and Transition, UN House – **Beirut, 27–28 September 2011.**
- United Nations Economic and Social Commission for West Asia (**UN-ESCWA**), Regional Preparatory Meeting Series for Rio+20: Conference on: “The Role of Green Industries in Promoting Socio-Economic Development in the Arab Countries”, UN House – **Beirut, 28–29 September 2011.**

#### STEERING COMMITTEES

- Member of the steering committee of the project: “From education to employment? Trajectories for young people in Lebanon in the context of protracted displacement” (Funded by the Economic and Social Research Council (ESRC), UK, and International Development Research Centre (IDRC), Canada), Centre for Development and Emergency Practice (CENDEP), Oxford Brookes University and the Centre for Lebanese Studies, Lebanese American University, December 2018–March 2020.
- Member of the steering committee of the project: “The Lay of the Land: A Social Mapping of Daily Practices in Informality amongst Syrian Displaced Communities in Lebanon” (Funded by the Ford Foundation, USA), Asfari Institute for Civil Society and Citizenship, American University of Beirut, January 2018–March 2019.

#### CONFERENCE & WORKSHOP ORGANIZATION

- Head of the organizing committee of the inaugural LAU Research Day, Lebanese American University, **Beirut, May 5, 2023.**
- Co-organized -with the Gender Justice, Population and Inclusive Development unit- the Validation and Local Visioning Workshop in Beirut as part of the global project on “Building Urban Economic Resilience during and after COVID-19”, UN-ESCWA, **Beirut, March 29, 2021.**
- Head of the organizing committee of the 18<sup>th</sup> Middle East Economic Association (MEEA) International Conference, Lebanese American University, **Beirut, October 25–26, 2019.**
- Head of the local organizing committee of the 2018 meeting of the **Lebanese Econometric Study Group**, Co-organized with Rami Tabri (University of Sydney) and Elie Tamer (Harvard University), Department of Economics, Lebanese American University, **Beirut, December 7–8, 2018.**

#### JOURNAL REFEREEING

- |  |  |
|--|--|
| - <i>Axioms</i>                                | - <i>International Environmental Agreements: Politics, Law and Economics</i> |
| - <i>B.E. Journal of Theoretical Economics</i> | - <i>International Journal of Manpower</i>                                   |
| - <i>Canadian Journal of Economics</i>         | - <i>International Journal of Economic Theory</i>                            |
| - <i>Cogent Social Sciences</i>                | - <i>International Review of Economics and Finance</i>                       |
| - <i>Comparative Migration Studies</i>         |  |

- *Dynamic Games and Applications*
- *Environment and Development Economics*
- *Environmental and Resource Economics*
- *Economics Letters*
- *Economic Change and Restructuring*
- *Environmental Modeling and Assessment*
- *Environmental Science and Pollution Research*
- *Economics of Energy and Environmental Policy*
- *Economies*
- *Economics Bulletin*
- *Energies*
- *Energy Journal*
- *Energy Sources, Part B: Economics, Planning, and Policy*
- *Defence and Peace Economics*
- *Finance Research Letters*
- *Games*
- *International Environmental Agreements: Politics, Law and Economics*
- *International Journal of Environmental Research and Public Health*
- *International Journal of Housing Markets and Analysis*
- *International Review of Environmental and Resource Economics*
- *International Transactions in Operational Research*
- *Journal of Developing Areas*
- *Journal of Environmental Economics and Management*
- *Journal of Environmental Management*
- *Journal of International Financial Markets, Institutions & Money*
- *Journal of Public Economics Theory*
- *Journal of Risk and Financial Management*
- *Mathematics*
- *Natural Resource Modeling*
- *Pacific Asia Journal of the Association for Information Systems*
- *Policy Studies*
- *PLOS ONE*
- *Resource and Energy Economics*
- *Review of Middle East Economics and Finance*
- *Routledge Publishers*
- *Sustainability*

**EXTERNAL REVIEWER**

- External grant reviewer for the Olayan School of Business, American University of Beirut, Lebanon, May 2022.
- External reviewer for a grant proposal at the National Science Foundation (NSF), Washington DC, September 2021.
- External reviewer for promotion case to rank of Associate Professor, Memorial University of Newfoundland, Canada, October 2020
- External reviewer for the Arab Council for the Social Sciences, ACSS-FMSH Short-term Postdoctoral Mobility Program, Lebanon, February 2017
- External reviewer for promotion case to rank of Associate Professor, American University of Kuwait, Kuwait, February 2017
- External grant reviewer for the Olayan School of Business, American University of Beirut, Lebanon, March 2014

**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), 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)

**GRADUATE THESIS/PROJECT SUPERVISION**

- “Drivers of Successful Multilateral Environmental Agreements” by Ibrahim Al Soussy, MA Applied Economics, LAU, Spring 2023. (Supervisor)



- “The Impact of Lockdown Policies on Air Pollution in the United States” by Siriine El Khalili, MA Applied Economics, LAU, Fall 2022. (Supervisor)
- “The effect of the Sarbanes Oxley act on the investment efficiency of US firms” by Ahmad Toufaily, MA Applied Economics, LAU, Spring 2022. (Supervisor)
- “Central Air Conditioning and Outdoor Air Pollution: Evidence from Lebanon” by Fairouz al Gharib, MA Applied Economics, LAU, Spring 2022. (Supervisor)
- “How does War Affect Energy Use?” by Zahraa Arkadan, MA Applied Economics, LAU, Spring 2021. (Supervisor)
- “Environmental versus Industrial Lobbying in a North-South Emissions Game” by Firas Al Ghareeb, MA Applied Economics, LAU, Spring 2021. (Supervisor)
- “The Cannabis and Tobacco Markets” by Hiba Antoun, MA Applied Economics, LAU, Fall 2020. (Supervisor)
- “The Happiness Price of Air Pollution: Evidence from the UK” by Giorgio Maarraoui, MA Applied Economics, LAU, Spring 2020. (Supervisor)
- “Hotelling Rule under Twin Scarcity” by Israa Hashem, MA Applied Economics, LAU, Spring 2020. (Supervisor)
- “Spatial Emission Tax and the Double Trade-off” by Ghina Abdul Baki, MA Applied Economics, LAU, Spring 2020. (Supervisor)
- “The Promoters” of Urban Change in the Neighborhood of Aicha Bakkar – Beirut” by Abir Bassam Zaatari, Master of Urban Planning and Policy, American University of Beirut, Fall 2019. (External Reader)
- “The Lost Segment of Beirut’s Real-Estate Machine” by Soha Mneimneh, Master of Urban Planning and Policy, American University of Beirut, thesis defended, Spring 2019. (External Reader)
- “Municipal Solid Waste Management in Lebanon” by Assil Jaber, MA Applied Economics, LAU, Spring 2019. (Supervisor)
- “The Municipal Solid Waste Environmental Kuznets Curve in OECD Countries” By Rayan Baalbaki, MA Applied Economics, LAU, Spring 2018. (Supervisor)
- “Effect of Monetary Policy on Real Estate Prices in Lebanon” by Jamile Youssef, MA Applied Economics, LAU, Fall 2017. (Supervisor)
- “Effect of Real Gasoline Prices on the Demand for Fuel-Efficient Cars in Lebanon” by Jana Mourad, MA Applied Economics, LAU, Fall 2017. (Supervisor)
- “The Environmental Kuznets Curve, Between Theory and Application” by Rita Antar, MA Applied Economics, LAU, Spring 2016. (Supervisor)

#### **ADMINISTRATIVE SERVICES (LAU)**

- *University level:* Assistant Dean for Graduate Studies and Research (Since January 2019); NECHE 2024 Self-Study university committee (Fall 2022 – Present); Committee Strategic Plan (SPIV) Oversight Committee (Fall 2022 – Present); chair of the Research Day organizing committee (Fall 2022 – Present); Gender Equality Plan Committee (Spring 2022 – Present); University Ranking Oversight Committee (Spring 2021– Present); University Enrollment Management Advisory Committee (Spring 2020 – Present); University Graduate and Research Council, ad hoc member (Fall 2021 – Present); Erasmus + coordinator for faculty activities (January 2019 – present) University Graduate Council (January 2019 – Spring 2020); Gender Report Committee (Spring 2020); University Research Council (January 2019 – Spring 2020); Tomorrow’s Leaders Graduate (TLG) MEPI Scholarship Coordinator for the MA in Applied Economics (October 2017, Spring 2019); Graduate and Research Advisory Committee (January 2019 – Spring 2020); Chair of the Ad Hoc committee on the Minor in Data Analytics (Spring 2019); Planning subcommittee for the New School of Economics and Public Policy (Fall 2018); University Promotion Council, Committee of Peers B (Assistant to Associate Professor rank), Academic year (2017–2018); 3<sup>rd</sup> Strategic Planning Committee 2017–2022 (Fall 2016 – Spring 2017); Ad Hoc Faculty Senate Calendar Committee (November 2013 – April 2014); 2<sup>nd</sup> Strategic Planning Committee 2011–2016, (Fall 2010 – 2011); Faculty Senate, (June

- September 2012); International exchange students' advisor for the School of Business, LAU international exchange agreements program (Since September 2012)
- *School of Business level*: 3<sup>rd</sup> Strategic Planning Committee, (Spring 2020), School Assessment Council (SASC), (Fall 2014 – Fall 2018); Peer Review Council (Fall 2015– Fall 2017), Secretary of the council (Fall 2015– Fall 2017); School Promotion and Tenure Criteria Council (SPCC), (Spring 2016 – present); 2<sup>nd</sup> Strategic Planning Committee, (Fall 2015 – June 2016), Campus Resources Committee (CRC), (Spring 2012 – Fall 2015), Chair of committee (October 2013 – Fall 2015); AACSB New Standards 1-3 Subcommittee (November 2013 – Fall 2015); Campus Student Affairs Committee (CSAC) (Spring 2012 – Spring 2014); Ad Hoc Committee on databases acquisition (July – August 2013); AACSB Standards 6-8 and 12-14 Subcommittee (November 2011 – June 2013); Coordinator, Research Seminar Series (October 2011 – June 2013); Ad Hoc Committee on Examination Integrity (November 2012 – January 2013); Ad Hoc Curriculum Review Committee (December 2011 – April 2012); Ad Hoc website committee (December 2011 – February 2012); Curriculum & Program Development Committee (Fall 2009 – Fall 2011)
- *Department of Economics level*: Associate Chairperson (September 2012 – January 2019); Acting Chairperson, (June 2018, November 2017, October 2017, August 2017, December 2016, July 2016, March 2015, November 2014, July 2014, February 2014, November 2013 & July–August 2012); Graduate Assistance Committee (August 2014 – Present); Graduate Admission Committee (Spring 2014 – present); Graduate Core Committee (Spring 2014 – present); Assessment and Examination Committee (Fall 2013 – Present), Chair of committee (Fall 2014 – Fall 2018); Hiring Committee (Fall 2012 – Present), Ad Hoc hiring committee, Department of Economics and Finance (Spring 2010 – Fall 2011); Ad Hoc internal seminars committee, Department of Economics and Finance (Fall 2009 – Fall 2011)

#### PROFESSIONAL EXPERIENCE

- **Assistant Dean of Graduate Studies & Research**, Lebanese American University, Lebanon (Since January 2019)
- **Visiting Professor**, Department of Economics, University of Ottawa (July 2022)
- **Short-term Consultant**, UN-ESCWA, Beirut, Lebanon (January 2021–April 2022)
- **Advisory Board Member**, Ministry of Energy and Water, Lebanese Republic (March–August 2020)
- **Associate Chairperson**, Department of Economics, Adnan Kassar School of Business, Lebanese American University, Beirut, Lebanon (October 2012–January 2019)
- **Associate Professor**, Department of Economics, Adnan Kassar School of Business, Lebanese American University (since September 2015)
- **Assistant Professor**, Department of Economics, Adnan Kassar School of Business, Lebanese American University (October 2009 – August 2015)
- **Economic Advisor** for the review of the Minimum Expenditure Basket for Multi-Purpose Cash Assistance to Syrian refugees lead by the Lebanon Cash Consortium in coordination with the UNHCR (April 2016).
- **Energy Expert** with the Arab Development Portal project at the United Nations Development Programme (UNDP) regional bureau for Arab States (July 2014 – December 2014).
- **External Collaborator** with the PROWD project at the International Labour Organization (ILO) Regional Office for the Arab States (September 2013 – July 2014).
- **National Researcher** (Lebanon), the 2012 survey on sustainable enterprise development in the Mediterranean partner countries, sponsored by the European Commission, conducted by Oxford Research, May – July 2011
- **Visiting Researcher**, Center for Interuniversity Research and Analysis of Organizations (CIRANO), Montreal, Canada: June – July 2010 & February 2011
- **Lecturer**, Institute of Applied Economics, HEC Montréal, 2007–2009
- Assistant to the conference organizing team, 40<sup>th</sup> Annual Meeting of the Canadian Economics Association (CEA), Concordia University, Montréal, May 26 - 28, 2006
- **Teaching Assistant**, Department of Economics, Concordia University, Montreal, 2002–2004

- **Research Assistant**, Department of Economics, Concordia University, Montreal, 2002–2004
- **Intern**, Bank Audi, Beirut, summer 1997

#### **VISIBILITY**

- Media appearances in local Lebanese media such as LBCI, MTV, Daily Star, Annahar Newspaper, L'Orient-Le Jour, Now Lebanon, Sawt Beirut International, and Executive Magazine. In addition to appearances in regional and international media outlets such as the New York Times, the CBC, Dagsavisen, and De Standaard, Al Arabiya satellite TV channel, Asharq Business satellite channel (Bloomberg in Arabic), Alaraby TV satellite channel, and media platforms such as The Conversation.
- Expert contributor for the Economic Experts Survey (EES), ifo Center for Public Finance and Political Economy, Munich, Germany (Since February 2022)

#### **PROFESSIONAL MEMBERSHIPS**

- American Economic Association (AEA)
- 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

#### **LANGUAGES AND COMPUTER LITERACY**

- English (fluent), French (fluent), Arabic (fluent)
- MS office, Scientific Workplace, LATEX, STATA, MATLAB

#### **ACTIVITIES AND INTERESTS**

- Swimming, boating, hiking
- World history, near-east history, international economic news

#### **PERSONAL**

- Date of birth: 1980, Gender: male, Status: Married, Citizenship: Canadian and Lebanese

#### **ERDÖS NUMBER**

- 5

#### **REFERENCES**

- Available upon request