






## Resume

### Georges Gharios

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## 1- SHORT SUMMARY

My formal education led me from a French high school, to an American university, a Dutch Research Center, and a Scottish University. This multicultural background formed me into a world-traveller while teaching me to fluently speak French, English, Arabic, and Spanish.

My work focuses on water laws, traditional knowledge, legal pluralism, water institutions and reform, transboundary waters, agriculture, climate change, and social water arrangements and I am particularly interested on customs and practices of water conservation in Lebanon and the Arab region as well as on Innovation in the water sector. During my career, I have strategically evaluated, edited and reviewed many reports, and also has authored several journal articles and attested presented conferences related to the topic of water and agriculture.

I held teaching posts during five years at the American University of Technology in Halat where I taught several courses on water law, water policy, water politics, and soil sciences. Along holding positions as engineer and researcher with local companies and organizations, I am since 2009 an independent freelance water resources and agriculture consultant, and since 2018, a consultant for the Canadian international organization, Waterlution. I have also more than five years of experience in construction and contracting, project management, and property maintenance. Finally, I am a 5<sup>th</sup>-generation citrus grower.

In 2007, I was recipient of the Edgecombe Memorial Prize in recognition of outstanding scores at the American University of Beirut in Lebanon from where I received a Bachelor of Science in Agriculture (2007) and a Diploma of *Ingénieur Agricole* (2007). I also hold a Master of Science in International Land and Water Management (2009) from Wageningen University and Research Center in the Netherlands. I am currently a PhD candidate in Water Law from the University of Dundee. I am an associate of the UNESCO Center for Water Law, Policy and Science. I am also an active member of the International Water Association (IWA), the Arab Integrated Water Resources Management Network (AWARENET), the Mediterranean Water Youth Network (MedYWat), and the Lebanese Youth Parliament for Water (LYPW).

## 2- EDUCATION

- |                               |  |
|-------------------------------|--|
| Doctor of Philosophy          | – 2021 (expected)  |
| University:                   | University of Dundee – UNESCO Center for Water Law, Policy and Science, Scotland |
| Major:                        | Water Law  |
| Master of Science             | – 2009   |
| University:                   | Wageningen University and Research Center, the Netherlands                       |
| Major:                        | International Land and Water Management  |
| Specialization:               | Integrated Water Resources Management  |
| Bachelor of Science & Diploma | – 2007   |
| University:                   | American University of Beirut, Lebanon   |
| Major:                        | Agricultural Engineering   |
| Minor:                        | Archaeology  |

### 3- PROFICIENCY AND RESEARCH AREAS

Water Law, Tenure, Policy, Institutions, and Reforms  
Water Governance and Management  
Water Auditing  
Water Security  
International Water Law, Transboundary Waters and Water Diplomacy  
Climate Change and Sustainable Development  
Agricultural Water Management  
Citrus Grove Cultivation and Farm Management  
Water Heritage and History  
Innovation in the Water sector  
Project Management and Construction Management  
Property Maintenance and Management

### 4- PROFESSIONAL MEMBERSHIP

UNESCO Centre for Water Law, Policy and Science - *associate*  
American Water Works Association (AWWA)  
The International Water Association (IWA) – *Young Water Professional*  
International Water Resources Association (IWRA)  
Arab Integrated Water Resources Management Network (AWARENET)  
Mediterranean Youth for Water Network (MedYWat) – *founding member*  
Lebanon Youth Parliament for Water (LYPW)  
Order of Engineers and Architects of Beirut (OEA) – *elected delegate*

### 5- LANGUAGES

Fluent in Arabic, English, and French. Proficient in Spanish.

### 6- SKILLS

- + Developed and nurtured an extensive network of relations with key governmental, academic and developmental actors of the water sector in Lebanon and the Levant, and have developed liaison between them.
- + Have the ability to work in any water and agricultural related sector in Lebanon and known as an excellent team leader. Have demonstrated capabilities to manage several projects concurrently.
- + Have proved capacity to design, implement and monitor portfolio of projects with tangible results.
- + Have the ability to demonstrate clear and precise verbal skills and to deliver the proper message between the researchers and decision makers, and the water users
- + Travelled extensively around Lebanon, the Levant, Europe, and the US, and developed cultural sensitivity and cross-cultural skills.
- + Developed excellent managerial skills especially during extracurricular activities
- + Developed ability to describe technical, policy or programmatic issues in a business oriented and intuitively understandable way.
- + Advance use of: Windows and Macintosh interfaces, Microsoft Office, AutoCAD, Adobe Photoshop and Primavera Systems

### 7- PROFESSIONAL EXPERIENCE

October 2014 –June 2018                      Project Manager, SIAG contractors, Lebanon

**Projects**

2016                      Chiah - 3444  
2015                      Chiah - 5993/6

May 2012 – September 2014                      Water Engineer, Scapeworks Landscape Studio, Lebanon

**Projects**

2014                      Ammatour - 324

2013 Achrafieh - 4592  
 2012 Baabda - 2485  
 January 2010 – May 2012 Site Engineer, SIAG contractors, Lebanon

**Projects**

2010 Baabda - 4521

September 2009 – Present Freelance Consultant – Aqueos – Lebanon

**Consultations**

2021 UNESCWA: Consultant – SDG 6.5.2 Second Progress Report on the Arab Region  
 2021 UNDP: Research Assistant - Climate and Security Risk: Scoping Assessment  
 2021 Waterlution: Water Innovation Lab Lebanon III  
 2021-2022 FAO: National Consultant – Water Governance Specialist “Implementing the 2030 Agenda for water efficiency - productivity and water sustainability in NENA countries”  
 2021-2023 EU ENI CBCMed + AUB: National Task Force Group “Nexus-Driven Open Labs for competitive and inclusive growth in the Mediterranean”  
 2021 UNESCO: YAC “Fighting Corruption – Water Module”  
 2021 USAID + Social Impact: Lebanon Water Project LWP “Final Performance Evaluation”  
 2020 Waterlution: Water Innovation Lab Lebanon II  
 2020 Berytech: Cleantech Hackaton  
 2020 AUB + Geneva Water Hub: GOWP “Social Protests and Water in the Levant”  
 2020 UNDP: Groundwater Management in IWRM – Training Manual [in Arabic]  
 2020-2021 AUB + Berytech: ACT SMART “Enabling Environment for water SMEs in Lebanon”  
 2019 Berytech: Agrytech Hackaton Field Day  
 2019 Waterlution: Water Innovation Lab Lebanon I  
 2019 Oxfam GB + AUB: 2<sup>nd</sup> LWF “Investments in the Water Sector in Lebanon”  
 2019 Oxfam GB + AUB: 2<sup>nd</sup> LWF “Water Policy Framework in Lebanon”  
 2013 UNDP: Arab Water Report, 2013  
 2013-2014 Civic Influence Hub: Blue Gold of Lebanon  
 2012 EU Project: Sustainable use of irrigation water in the Mediterranean

July 2006 – Present Citrus Grower, Rawda Farms, Lebanon

**Projects**

2020-... Teir Debba - South  
 2018-... Ras el-Harf – Mount Lebanon  
 2006-... Sammounieh - Akkar

**8- ACADEMIC EXPERIENCE**

February 2012 – July 2016 Instructor, Faculty of Applied Sciences, American University of Technology, Lebanon

**Teaching Posts**

Spring 2015-2016 WGS 345 - Water Policies & Economics + WGS 355 - Water Law  
 Spring 2014-2015 WGS 345 - Water Policies & Economics + WGS 355 - Water Law  
 Spring 2012-2013 WGS 201 - Introduction to Water Resources + WGS 355 - Water Law  
 Fall 2012-2013 WGS 210 - Soil Science and Laboratory + WGS 290 - Water, Politics & Law  
 Spring 2011-2012 WGS 355 - Water Law

September 2009 – June 2014 Guest Lecturer, Faculty of Agricultural and Food Sciences, American University of Beirut, Lebanon

**Teaching Posts**

Spring 2013-2014 AGBU 213 – Legal Aspects of Agribusiness  
 Fall 2012-2013 AGBU 213 – Legal Aspects of Agribusiness  
 Fall 2011-2012 AGBU 213 – Legal Aspects of Agribusiness  
 Fall 2010-2011 AGBU 213 – Legal Aspects of Agribusiness  
 Spring 2009-2010 AGBU 213 – Legal Aspects of Agribusiness  
 Fall 2009-2010 AGBU 213 – Legal Aspects of Agribusiness

January 2009 – August 2009 Research Assistant, Earth System Science Group, Wageningen University, the Netherlands

**Teaching Posts**

Spring 2008-2009 ESS 20806 - Integrated Water Management  
 Summer 2008-2009 ESS 20806 - Integrated Water Management

## 9- PUBLICATIONS

### Published Refereed Journals

**Gharios, G.** Farajalla N., and El Hajj R., Challenges of post-war policy reforms in Lebanon's water sector – lessons learned, *Water Supply* 2021; ws2021130

<https://doi.org/10.2166/ws.2021.130>

**Gharios, G.**, Legal Pluralism And Unofficial Law in Lebanon: Evolution and Sustainable development of Water, *Water Policy*, 22 (2020) 348-364

<https://doi.org/10.2166/wp.2020.224>

**Gharios, G.** and Farajalla N., Connecting Various Investments Plans to Address New Challenges in the Current Water Management Structure of Lebanon, *Water Utility Journal* 24: 49-61, 2020. © 2020 E.W. Publications

[http://ewra.net/wuj/pdf/WUJ\\_2020\\_24\\_05.pdf](http://ewra.net/wuj/pdf/WUJ_2020_24_05.pdf)

**Gharios, G.**, Fostering Sustainable Development by Empowering Indigenous Abilities: The border zone case of rural south Lebanon, *International Journal of Sustainable Development and Planning*, Vol. 14, No. 2 (2019) 130–140

<http://doi.org/10.2495/SDP-V14-N2-130-140>

### Theses

**Gharios G.**, 2021 (Expected), 'The Resilient, the Insecure, and the Uncertain: Traditional Knowledge and Sustainable Development of Water in Lebanon'. *University of Dundee*

**Gharios G.**, 2009, 'Lebanese Waterways: Strengthening IWRM through WUAs in irrigation schemes'. *Wageningen University Publications*, 2009

<https://edepot.wur.nl/14977>

### Policy Briefs

**Gharios, G.**, Farajalla, N., and El Hajj R., Lebanon's water laws: Bridging Policy Frameworks to Address New Challenges, *Issam Fares Institute for Public Policy and International Affairs, American University of Beirut*, 2020

[https://www.aub.edu.lb/ifi/Documents/publications/policy\\_briefs/2019-2020/20200512\\_lebanon\\_water\\_laws.pdf](https://www.aub.edu.lb/ifi/Documents/publications/policy_briefs/2019-2020/20200512_lebanon_water_laws.pdf)

**Gharios, G.**, and Farajalla, N., Investment Plans in the Water Management Structure of a Post-War Country: the Case of Lebanon Challenges, *Issam Fares Institute for Public Policy and International Affairs, American University of Beirut*, 2020

[https://www.aub.edu.lb/ifi/Documents/publications/policy\\_briefs/2019-2020/20200512\\_investment\\_plans\\_water\\_management.pdf](https://www.aub.edu.lb/ifi/Documents/publications/policy_briefs/2019-2020/20200512_investment_plans_water_management.pdf)

### Conference Papers, Proceedings and Abstracts Published in Proceedings

**Gharios, G.**, Birket-s: The border zone case of rural south Lebanon, *Lebanese University-Faculty of Arts and Humanities (1)*, 2018

**Gharios, G.**, Youssef, C., & Haddad, N., The impact of the creation of a Water Users Association (WUA) on the development of Marjeyoun-Khiam Plain, Lebanon. *Lebanese Association for the Advancement of Science, Beirut*, 2013

Youssef, C., **Gharios G.**, Achkar, R., Saade, E., Messakieh, S., & Haddad, N., Study of BTEX Compounds in Surface Water of Ibrahim River, Lebanon. *Lebanese Association for the Advancement of Science, Beirut*, 2013

Zisengwe, L.S., Yakami, S., **Gharios, G.**, and Plessius, S., Modernizing the Political Acequia: Changes in the role of the 'Perito' in the context of institutional transition in the Guadalorce irrigation system, Spain. *Wageningen University Publications*, 2008

### Newspaper Articles

**Gharios, G.**, 2019, 'Gestion de l'eau au Liban: des efforts, de l'argent, des resultats decevants' *L'orient le Jour*, 8 Juin 2019 [in French]

<https://www.lorientlejour.com/article/1173867/gestion-de-leau-au-liban-des-efforts-de-largent-des-resultats-decevants.html>

**Gharios, G.**, 2018, 'Un code de l'eau pour qui?' *L'orient le Jour*, 8 May 2018 [in French]  
<https://www.lorientlejour.com/article/1114269/un-code-de-leau-pour-qui-.html>

## **10- ACHIEVEMENTS**

Elected in 2021 to the post of delegate of the 7<sup>th</sup> Branch (Agricultural Engineers) at the Order of Engineers and Architects (OEA) in Beirut

Launched in 2019, along with the Waterlution Lebanon Team, the first Lebanese edition of the Canadian program - Water Innovation Lab (WIL)

Founded in 2017, along other water colleagues, the first Regional Youth Network around water around the Mediterranean basin: Mediterranean Youth for Water Network (MedYWat)

Started in 2009, AQUEOS, an independent freelance water and agricultural consultancy firm

Winner of the 'Edgecombe Memorial Prize', AUB, Beirut, Lebanon, 2007

Elected in 2006 to the post of secretary of the Agriculture and Landscape Student Society at AUB

Elected in 2005 to the Student Representative Committee and to the Admission Committee at AUB

AUB FAFS Dean's Honor List, 2005 + 2006