

Curriculum Vitae

RAMI ZURAYK

Professor and Chairperson
Department of Landscape Design and Ecosystem Management
American University of Beirut
Bliss Street, PO Box 11-0236 Beirut, Lebanon
PHONE (961) 1 350 000 x4571 or 45717
FAX (961) 1 744 460
Email: rzurayk@aub.edu.lb

1. EDUCATION

Doctor of Philosophy - 1989

University: Oxford University
Major: Soil Science (Plant-Soil Relations)

Master of Science - 1983

University: American University of Beirut
Major: Irrigation

Diploma & Bachelor of Science - 1981

University: American University of Beirut
Major: Agriculture

2. PROFICIENCY AND RESEARCH AREAS

Food Security
Socio-Ecological Systems
Rural Development
Political Ecology of the Arab World

3. MEMBERSHIP IN ACADEMIC AND PROFESSIONAL BODIES

Association of American Geographers
Arab Council for the Social Sciences
British Society of Soil Science
Lebanese Order of Engineers and Architects

4. LANGUAGES

Fluent in Arabic, English and French

5. ACADEMIC EXPERIENCE

2018	Tenured
02-2014 to present 10-2007 to 09-2008	Chairperson, Department of Landscape Design and Ecosystem Management, Faculty of Agricultural and Food Sciences, American University of Beirut, Lebanon
07-2002 to present	Professor of Soil Science/Ecosystem Management, Faculty of Agricultural and Food Sciences
06-2000 to 08-2017	Director, Interfaculty Graduate Environmental Sciences Program (IGESP)
07-1997 to 07-2002	Associate Professor of Soil Science/Ecosystem Management
10-1991 to 07-1997	Assistant Professor of Soil Science

Courses currently taught

LDEM 203 The Environment and Sustainable Development
LDEM 214 Landscape and Geomorphology
LDEM 217 Soils in the Landscape
LDEM 630 Natural Resource Management

University committees (past 10 years)

University Research Board
Collaborative Research Stimulus Review Board
Academic Affairs Committee
Advisory Committee
Administrative Committee
Research and Publication Committee

6. CURRENT INTERNATIONAL APPOINTMENTS

Member of the Steering Committee of the High Level Panel of Experts on Food Security and Nutrition (HLPE) of the Committee on World Food Security (CFS) (Two terms: 2015-2017 and 2017-2019). The steering committee is composed of 15 internationally recognized experts in a variety of food security and nutrition related fields. <http://www.fao.org/cfs/cfs-hlpe/hlpe-steering-committee/en/>

Commissioner. EAT-Lancet Commission on Health Diets for Sustainable Food Systems. The commission is composed of 20 top global experts in health, nutrition and sustainability. <http://eatforum.org/article/eat-lancet-commission-on-healthy-diets-from-sustainable-food-systems/>

Memberships in advisory boards

Member of the Research Review Board, Arab Council for the Social Sciences
(ACSS-Cycles 2017-2018, 2018-2019)

Member of the Steering Committee of the PhD program in the Department of Natural Resources and the Environment at the Arabian Gulf University

Member of Advisory Board, Journal of Agriculture, Food Systems, and Community Development

Member of Advisory Board, Social and Economic Action for Lebanon (SEAL)

Founding member, Arab Food Sovereignty Network

Founding member, Thimar Research Collective

7. MAIN PROFESSIONAL CONSULTATION (past 10 years)

Period	Title	
2017	Expert on Food Security Monitoring for the Arab region	UN-ESCWA
2016	Food Security Senior Expert	Booz Allen Hamilton
2012	Expert on Arab Food Security in the Wake of the Uprisings	International Labor Organization
2009	Erbil Agricultural Green Belt Design	Khatib and Alami Consultants
2008	Agricultural Policy Expert. Booz Allen Hamilton. Agricultural Strategy of Egypt, Cairo.	Booz Allen Hamilton
2005-2007	Senior National Expert, Geographic Indicators Project	AGRIDEAS (Switzerland) and Ministry of Economy and Trade, Lebanon
2006	International Consultant in Environment and Development. Country Program Identification Mission, Qatar	United Nations Development Program

2006	International Consultant in Community Development. Mid-Term evaluation of the Masila Water and Sanitation Project, Hadramawt, Yemen	United Nations Development Program
------	---	------------------------------------

8. THESIS SUPERVISION / EXAMINATION (completed and on-going)

PhD Thesis Supervision, Co-supervision, Internal or External Examiner

1. Rephotography and Historical Landscape Analysis (working title). KTH Royal Institute of Technology, Stockholm, Sweden (Co-advisor, Anne Gough, in progress).
2. Reservoir eutrophication dynamics in semi-arid regions : assessing the role of excessive nutrient loading and temporal changes in climate forcing. 2017. (Eliza Deutsch)
3. A Positive Apportionment Framework for Transboundary Water Management: Energy as a catalyst along the Jordan River Basin. American University of Beirut. 2017. (Rola Quba'a)
4. A dynamic downscaling approach for climate change impact assessment on agriculture and water resources at a river basin scale: Adaptation and socio-economic implications. American University of Beirut. 2016. (Renalda El Samra)
5. Dew as an Adaptation Measure to Mitigate Climate Change. American University of Beirut. 2015. (Marlene Ann Tomasziewicz)
6. Adaptation to saltwater intrusion along highly urbanized coastal areas: A DSS-based socioeconomic perspective. American University of Beirut. Current (Grace Rachid)
7. La Politique de qualité sanitaire des aliments en droit international, Union Européenne, USA, Canada et France. Quelles organisations sont envisageables pour améliorer la sécurité sanitaire des aliments au Liban ? Agro Paris Tech. 2014 (Thana Abou Ghida)
8. De l'élevage pastoral à l'arboriculture: le changement technique au sein d'une société agropastorale. Le cas d'un village de la montagne aride du Liban : Aarsal. Institut National Agronomique Paris-Grignon Ecole Doctorale ABIÉS. 2004 (Mona Haidar)

MS Thesis Advisor

1. Agrarian transition and food security in a Lebanese village, 2018 (Weber, C.)
2. Exploring the determinants of an agricultural anomaly: The case of the Damask Rose (*Rosa damascena*) value chain in Qsarnaba, Lebanon, 2016 (Dirani, A.) Project
3. Agriculture as a tool of settlement: A political ecology and economy analysis of Israeli agricultural development, 2016 (Thomson, W.)
4. Agricultural atlas of Sinay village (2014 (Al Samarai, F.) Project
5. Land tenure reform and changes in land use and farming systems in the Jabal Amel region of South Lebanon, 2013 (Al Khatib, T.) Project
6. Detection and assessment of land use changes in Kferdebian, 2009 (El Daher, K.)
7. The impact of landmines and unexploded ordnance on the human and land resources in South Lebanon, 2007 (Yammine, M.)
8. Evolution of natural resource management in Mount Lebanon: the Case of Batloun el- Shouf 1935-2005, 2007 (Rachid, G.)
9. The diet of *Fistularia commersonii*, an introduced fish from the Red Sea, 2006 (Al Assi, H.)

10. Effect of extracted humus on the germination and seedling growth of corn, 2004 (Mansour, A.)
11. Impacts of shifting farming systems on soil degradation in a semi-arid mountainous region of Lebanon, 2003 (El Hindy, R.)
12. Role of synthetic chelates in cadmium phytoextraction, 2002 (Adra, M.)
13. Analysis of the relationship between the landscape physical components and cereal wild relatives in the Baalbeck region, 2002 (Abdallah, H.)
14. Lead deposition on soil and vegetation in different land uses of the Shweifaf area, 2001 (Eid, A.)
15. Analysis of the relation between floristic diversity and landscape physical components in the Lebanese coastal zone, 2001 (Chatila, J.)
16. Environmental sustainability analysis of urban and peri-urban agriculture on the Lebanese coastal zone, 2001 (Abdul Samad, L.)
17. Dynamics of Cd, Ni, and Cr in four Lebanese soils, 2000 (Samad, F.)
18. The effect of acid-forming fertilizers on the mobility and uptake of Cd, Cr, and Ni by radish plants in four Lebanese soils, 2000 (Srouf, R.)
19. Salinity-heavy metal interaction on metal uptake by salt-tolerant plants, 1999 (Khoury, N.)
20. Soil amendments for pine establishment in quarry rehabilitation, 1999 (El-Jisr, K.)
21. Phosphorus dynamics and characterization under long-term rotation trial, 1999 (Kabengi, N.)
22. Developing chromium, nickel, and cadmium phytoremediation technology: Selection of hyperaccumulator hydrophytes, 1998 (Sukkariéh, B.)
23. Physiological responses to salinity of two strawberry varieties in calcareous and non-calcareous substrates, 1998 (Hajjar, D.)
24. Salinity management for optimal cucumber production, 1995 (Moujaess, N.)
25. Response of chickpea nodulation, nitrogen fixation and growth to salinity, 1995 (Adlan, M.)
26. Response of a local dryland wheat cultivar to mineral fertilization and crop rotation, 1993 (Jeha, Y.)
27. Performance of pilot scale hydrophyte beds for wastewater treatment, 1993 (Rizk, C)

MS Thesis Co-supervision / Examination

1. Impact of Syrian conflict on water issues in Akkar, Lebanon, current. (Korek, N)
2. A New Remote Sensing-Based Index for Discrimination of Cannabis Saiva, 2018. (Hajj Hassan, M.)
3. Crop Suitability Modeling Under Climate Change Scenarios in the Near East, 2018. (Abdallah, C.)
4. New Regionalism For Rural Areas: The Caza of Hermel (Lebanon) as Case Study, current. (Hamadeh, Y)
5. Socio-economic impact of saltwater intrusion on agricultural productivity and water use among coastal communities, Current. (Dib, T.)
6. Urban Greening Opportunities: Suitability Analysis and Guideline Development for Urban Green Infrastructure in Beirut, 2016 (Shaar, K.)
7. Exploring technical and economic Aspects of Vermicomposting as a Microenterprise in rural communities of Lebanon, 2014 (Moledor, S.)

8. Environmental conditions and acute illnesses among household members of migrant agricultural workers in Lebanon, 2014 (Mikati, D.)
9. Tracking changes in fish abundance across the coast of the Levant: a local ecological knowledge study, 2013 (Al Ajlan, S.)
10. Natural Resource Management in Rural Lebanon: Optimizing Production Protocols of target native tree species, in progress (Hamzeh, B.)
11. Assessment of the potential of establishing extensive green roofs at the American University of Beirut, 2012 (Hazim, N.)
12. Women's perspective on the management of natural resources: case study of Irsal, Batloun and Kweik, 2012 (Itani, C.)
13. Overview of Transboundary Groundwater Resources in the Middle East and North Africa Region, 2008 (Hammoud, M.)
14. Indicators of Microbial Pollution, Drug Resistance, & Heavy Metals Recovered from Different Species of Edible Oysters in the Eastern Mediterranean, 2007 (El Hajj, R.)
15. Oil Spill Contaminants in selected vertebrates & invertebrates of the Eastern Mediterranean sea, 2007 (Sabra, A.)
16. Diarrhea and Women's Practices for Handling Water in the Town of Bebnine, Lebanon, 2007 (El Azar, G.)
17. Urban floral diversity in the Eastern Mediterranean: Beirut Coastal Landscape, 2007 (Chmaitelly, H.)
18. Towards a 21st century Hima System: Natural Resource & conservation Policy in Saudi Arab, 2006 (Al-Ajlani, D.)
19. Determinants & Health Implications of the Use of Drinking Water from the Public Spring of Bebnine, 2006 (Hojeij, S.)
20. Water and Sediment Quality in Lebanese Wetlands: Aammiq Wetland and Tyre Coast Nature Reserve, 2006 (El Khoury, J.)
21. Density and Drug Resistance in Upper Respiratory System Microflora of Intensive and Range-Reared Commercial Chicken, 2005 (Pia Nehme, M.)
22. Gender division of work and work hazards among children working in tobacco plantations, 2005 (Abou Ajram, M.)
23. Microbiological and chemical parameters of chicken litter in Lebanon, 2004 (Omeira, N.)
24. Effect of Liquid Whey and Molasses Supplementation on Fermentation Characteristics and Apparent Digestibility of Urea Treated Straw Silage, 2003 (Rebeiz, N.)
25. Evaluating methods for assigning conservation status of Lebanese plant species, 2002 (Rteil, H.)
26. Ibrahim River: a case study for investigating vegetation patterns and assessing riparian habitat, 2002 (Abboud, M.)
27. Characterization and evaluation of the biological diversity of *Pinus pinea* in Lebanon, 2001 (Saghieh, M.)
28. Characterization of wild *Triticum* and *Aegilops* species in north Beqa'a, Lebanon, 2001 (Hajj Hassan, N.)
29. Propagation and conservation of *Iris cedrete* Dinsmore and *Vinca libanotica* Zucc, 2001 (Saad, L.)

30. Floristic assessment of selected communities along the Lebanese coastal zone, 2001 (Dagher, M.)
31. Insect diversity along the Lebanese coast in selected plant communities, 2000 (El Hachem, R.)
32. Floristic assessment of selected communities along the Lebanese littoral zone, 2000 (Dardas, M.)
33. GIS analysis of runoff and erosion in the Yammoune area-Lebanon, 2000 (Hodeib, H.)
34. An improved methodology for water harvesting reservoir siting, 2000 (Jabre, W.)
35. A GIS-based methodology for siting small water harvesting reservoirs, 1999 (Makke, M.)
36. Selecting salt-tolerant plants for inclusion in water-reuse systems, 1998 (Koteiche, S.)
37. Germplasm characterization and climatic zoning for viticulture in Lebanon, 1998 (Riachy, I.)
38. New irrigation scheme planning and design strategies for the Awali-Zahrani area, 1995 (Jaber, F.)
39. Estimating unsaturated soil hydraulic properties from depth of wetting, 1994 (Mina, N.)
40. The effect of moisture stress on germination and development of drought susceptible and tolerant wheat cultivars, 1994 (Bleik, M.)
41. An empirical model to estimate transpiration and evaporation from soil moisture, 1994 (Fayad, H.)

9. RESEARCH

International Grants and Contracts

Total extra-mural funding obtained since joining AUB: 4,733,712.93 USD

Total extra-mural funding obtained during last five years: 192,984.02 USD

<i>Title</i>	<i>Funded by</i>	<i>Year</i>	<i>Investigators</i>	<i>USD</i>
Cultural Corridors of Peace	British Council	2018-2020	R. Zurayk	129,669
Forests and Landscapes Restoration Mechanism	FAO	2016-2017	M. Trovato	40,000
Climate change impact on salt water intrusion along the Eastern Mediterranean: Vulnerability and adaptation socio-economics	IDRC	2011-2014	M. El Fadel	507,00
The Palimpsest of Agrarian Change	London School of Economics (LSE)	2012-2015	R. Zurayk	115,234

Sustainable Bedouin livelihoods in a changing world: surviving droughts, policies and markets (Phase II)	Henrich Böll Foundation	2010	R. Zurayk	7,344
Environmental upgrading of Bint Jbeil district area and support to the economical revitalizing in agricultural sector	GVC	2009-2010	R. Zurayk	20,374
Support to Rural Production and Strengthening of the Network of Cooperatives Karam Al Janoub	GVC	2009	R. Zurayk	13,750.5
Preparation of two papers for the regional conference on “Achieving Food Security in the Arab World in Doha, Qatar “ during June 2009	ICARDA	2009	R. Zurayk	14,000
Sustainable Bedouin livelihoods in a changing world: surviving droughts, policies and markets (Phase I)	Henrich Böll Foundation	2009	R. Zurayk	15,360
Enhancing the value chain of small producers and food processing cooperatives in Baalback-Hermel	UCODEP	2009-open	R. Zurayk	19,920
Support to rural production and activities strengthening of the network of cooperatives Karam Al Janoub	GVC	2008-2009	R. Zurayk	17,995
Study for the inventory of typical Lebanese products	UCODEP	2008-2009	R. Zurayk	9,300
Land & People - mobile capacity building for farmers in the South.	Heinrich Boll Foundation	2008	R. Zurayk	31,386
Support to household gardens through the introduction of a Grey Water treatment and reuse system and the extension of Integrated Farming Management techniques	GVC	2008	R. Zurayk	9,363
Rehabilitation of the multifunctional centers of Aytaroun as instrument to promote economic recovery and strengthen the local community’	UCODEP	2007-2008	R. Zurayk	13,750
Global Environment Outlook Launch (GEO 4)	United Nations Environment Program	2007	R. Zurayk	5,000
Study for the Inventory of Typical Lebanese Food Products	UCODEP	2007	R. Zurayk	15,532

Biodiversity conservation through use: Laurel soap to enhance women's livelihoods in Aita al Shaab	SEAL-USA	2006-open	R. Zurayk	15,000
Rural Bus	Heinrich Böll Foundation	2006-2008	R. Zurayk	20,240
Land and People: A mobile agricultural clinic for the war-affected areas of South Lebanon	SEAL	2006	R. Zurayk	40,000
Cities Farming for the Future	RUAF Foundation	2006	R. Zurayk	36,937
Regional Training and Knowledge Sharing in Urban Agriculture for the Middle East and North Africa	Cities Feeding People Initiative of the International Development Research Center	2005-2008	R. Zurayk	387,495
Global Environment Outlook (GEO 4)	United Nations Environment Program	2005-2007	R. Zurayk	10,000
Understanding Water, Understanding Health: The Case of Bebnine	IDRC	2004-2009	I. Nuwayhid, R. Zurayk	374,900.91
Enhancing the livelihoods of poor farmers in South Lebanon: Community Supported Agriculture	Mercy Corps	2004-2005	R. Zurayk	218,000
Provision of Technology Transfer and Extension for Major Irrigation Schemes (Akkar El Bared, Dannyieh, Qasmieh, South Bekaa)	IFAD/World Bank/CDR	2002-2004	R. Zurayk	773,000
A participatory approach towards integrated coastal zone management: Opportunities for socio-economic growth and environmental protection	US Agency for International Development	02-03	M. El-Fadel	670,000
Systèmes d'activités rurales et maîtrise des ressources en région semi-aride du Liban	Region PACA	2001-2002	R. Zurayk	34,875
Community of Practice on Sustainable Livelihoods in Drylands	UNDP / World Bank	2001-2002	R. Zurayk	20,000
Qaraaoun Integrated Rural Development Project	Mercy Corps/ USDA	2001-2003	R. Zurayk	675,000

Using GIS and Remote Sensing for the Management of Agrobiodiversity	UNDP	2001-2001	R. Zurayk	30,000
Environmental Impact Assessment of peri-urban agriculture on the Lebanese coast	French Government, CEDRE French-Lebanese collaborative research program	2001-2003	R. Zurayk	30,000
Sustainable Improvement of Marginal Lands: Aarsal, Lebanon	IDRC	2000-2003	S. Hamadeh, R. Zurayk	205,250
Coastal Biodiversity Management in Lebanon	Government of Britain	1999-2002	Talhok, S; R. Zurayk	225,000
Yammouneh Extension and Technology Transfer Project	World Bank	1998- 2004	R. Zurayk	500,000
Developing a GIS methodology for assessing land degradation in drylands with special reference to the Yammouneh Irrigation Project Area	USAID	1998- 2000	R. Zurayk	200,000

Recent Journal Referee

Australian Journal of Development Studies
 Journal of Rural Community Development
 Journal of Landscape Architecture
 African Journal of Agricultural Research
 Journal of Peasant Studies
 Book proposal review: CABI Food Security in Developing Countries
 Journal of the Economic and Social History of the Orient
 Greener Journals
 Journal of Coastal Research
 Journal of Horticulture and Forestry
 Lebanese Science Journal
 International Review of Education
 Human Ecology
 Journal of Land Degradation

10. PUBLICATIONS

Books

1. **Zurayk, R.**, Woertz, E., and B. Rachel (Eds.) 2018. Crisis and Conflict in Agriculture. Wallingford, UK: **CABI**. 294 p.p. **ISBN:** 978-1786393647

2. **Zurayk, R.** and Gough, A. 2013. Control Food, Control People. The Struggle for Food Security in Gaza. **Institute for Palestine Studies**. pp 70. November 2013. ISBN: 978-0887283192
3. **Zurayk, R.** 2011. Food, Farming and Freedom: Sowing the Arab Spring. **Just World Publishing**. 250 pp. ISBN-13: 978-1-935982-05-0
4. **Zurayk, R.** 2011. Lebanon 2006: A War Diary. **Just World Publishing**. 59 pp. ISBN 978-1-935982-09-8
5. **Zurayk R.** and Talhouk S. 2010. Plants and People: Ethnobotanical Knowledge from Lebanon. **AUB IBSAR and Cooperazione Italiana**. ISBN 978-9953-9019-9-2.
6. **Zurayk, R.** (Editor and Translator) and Hamra Abu Eid (Compiler). 2010. Tales from the Badia: Bedouin Folk Tales From Lebanon. **Heirich Böll Foundation**. 150 pp. ISBN 978-9-95301-643-6
7. **Zurayk, R.** and Abdul Rahman, S. 2008. From `Akkar to `Amel, Lebanon's Slow Food Trail. **Slow Food Foundation for Biodiversity and Slow Food Beirut**. 150 pp. ISBN 7000414-17-13.
8. Hamadeh, S., Haidar, M. and **Zurayk, R.** 2006. Research for Development in the Dry Arab Region. The Cactus Flower. **International Development Research Centre and Southbound Publishers**, Penang. 124pp. ISBN 983905446-5

Book Chapters

1. B. Rachel, and **Zurayk, R.** 2018. Agriculture, Conflict and the Agrarian Question in the 21st Century. In **Zurayk, R.,** Woertz, E., and B. Rachel (eds.). **Crisis and Conflict in Agriculture**. Wallingford, UK: **CABI**. Pp. 3-27.
2. **Zurayk, R.,** and Dirar, A. 2018. Farmer-led Water User Associations in Agricultural Water Management In: Allan, T., Bromwich, B., Colman A., and Keulertz, M. (eds.) **The Oxford Handbook of Food, Water, and Society**. OUP Oxford, UK. Online May 2018.
3. **Zurayk, R.** 2016. The Arab Uprisings through an Agrarian Lens. In Kadri. A. (ed.). **Development Challenges and Solutions after the Arab Spring**. Palgrave Macmillan, Hampshire, England. Pp. 139-152.
4. **Zurayk, R.** and Gough, A. 2014. Bread and Olive Oil: The Agrarian Roots of the Arab Uprising. In: Gerges, F. (ed). **The New Middle East: Protest and Revolution in the Arab World**. Cambridge University Press. pp. 107-134. ISBN 978-1-107-61688-2
5. Myntti, C., Mabsout, M and **Zurayk, R.** 2012. Through Thick and Thin: The American University of Beirut Engages Its Communities. In: McIlrath, L, Lyons, A. and Munch, R. (eds.). **Higher Education and Civic Engagement** pp 205-219. June 2012. ISBN: 978-0-230-34037-4
6. **Zurayk, R.** 2012. Can sustainable consumption protect the Mediterranean landscape? In: Mombiela, F. (Ed). **MEDITERRA 2012. The Mediterranean Diet for Sustainable Regional Development. SciencesPo**. CIHEAM, Paris, France. pp. 156- 171. ISBN 978-2-7246-1248-6
7. Makhzoumi, J., Talhouk, S., **Zurayk, R.** and Sadek, R. 2012. Landscape Approach to

- Bio-Cultural Diversity Conservation in Rural Lebanon. In: Tiefenbacher, J. (ed). **Perspectives on Nature Conservation – Patterns, Pressures and Prospects.** InTech, pp. 179-198. ISBN 978-953-51-0033-1
8. **Zurayk, R.** 2011. Feeding the Arab Uprisings. In: Al-Zubaidi, L., Abu Ayyash, A., Khoury, D. and Paul, J. (eds.). **Perspectives: Political Analysis and Commentary from the Middle East.** Heinrich Boll Stiftung. 2 May 2011, Special Issue, pp.119-125.
 9. El Mastri, R., **Zurayk, R.**, and Qodsi, E. 2010. Environment for Development and Human Well-Being. In: Chapter I of **The Environment Outlook for the Arab Region: Environment for Development and Human Well-being report.** United Nations Environment Programme, pp. 31-55. ISBN 978-92-807-3055-5 (Arabic version)
 10. **Zurayk, R.** contributing author. 2007. Environment for Development. Chapter 1 of Global Environment Outlook GEO4. **United Nations Environment Programme.** UNEP. ISBN 978-92-807-2836. pp:3-36
 11. **Zurayk, R.**, contributing author. 2007. Sustaining a Common Future. Chapter 6 of Global Environment Outlook GEO4. **United Nations Environment Programme.** UNEP. ISBN 978-92-807-2836. pp: 195-298
 12. Hamadeh, S., Haidar, M., **Zurayk, R.**, Obeid, M., and Dick, C. 2006. Goats, Cherry Trees and Videotapes: Participatory Development Communication for Natural Resource Management. In: G. Bessette (ed). **People, Land and Water.** International Development Research Centre publisher, pp. 62-67. ISBN 1-55250-224-4
 13. **Zurayk, R.**, Abdul Samad, L and Talhouk, S. 2004. Environmental Analysis of Urban and Peri-Urban Coastal Agriculture in Lebanon. In: Nasr, J. and Padilla, M. (eds.). **L'Interface Entre Agriculture et Urbanisation en Mediterranee Sud et Est.** Institut Francais du Moyen Orient, Editions Delta-IFPO. pp : 279-290.
 14. **Zurayk, R.** and Haidar, M.2004. Biodiversity Conservation Priorities: Lebanon. In: **Sharing Innovative Experiences.** UNDP. New York Vo. 9, pp. 13-20.
 15. Hamadeh S. K., **Zurayk, R.**, Darwish, M. R., Seeden, H., Talhouk, S., El-Awar, F., Baalbaki, R., Abi-Said, M., Sharara, M. 2001. Changing rural livelihoods and land degradation in the Bekaa valley. In: **A. Aw-Hassan and A. Cooper (eds.). Agriculture and Rural Livelihoods: Case Studies for Sustainability in the WANA Region.** ICARDA, Syria.
 16. **Zurayk, R.** 1991. The Post War Arab World: Development in Reverse. In: Gittings, J. (ed.). **Beyond the Gulf War: The Middle East and the New World Order.** CIIR, London, pp.102-109.
 17. **Zurayk, R.** 1990. The Domestication and Economic Cultivation of Halophytes. In: Speedy, A. (ed.). **Developing World Agriculture,** Grosvenor Press, London, 1990 pp. 74-79.
 18. Padilla, M.; Hamimaz, R.; El Dahr, H.; **Zurayk, R.**; Moubarak, F. 2006. Consumers and the Health and Environmental Quality of Products. p 195-254. In: Hervieu Bertrand (dir.); Allaya Mahmoud (coord.) **AgriMed : Agriculture, Fisheries, Food and Sustainable Rural Development in the Mediterranean Region.** Paris : CIHEAM, 2006. - 412 p. ISBN.

Published Refereed Journals

1. Springmann, M., Clark, M., D’Croz, D. M., Wiebe, K., Bodirsky, B.L., Lassaletta, L., de Vries, W., Vermeulen, S. J., Herrero, M., Carlson, K. M., Jonell, M., Troell, M., DeClerck, F., Gordon, L. J., **Zurayk, R.**, Scarborough, P., Rayner, M., Loken, B., Fanzo, J., Godfray, H. C. J., Tilman, D., Rockström, J., and Willett, W. 2018. Options for keeping the food system within environmental limits. **Nature Research**. <https://doi.org/10.1038/s41586-018-0594-0>
2. El-Fadel, M., Deeb, T., Alameddine, I., **Zurayk, R.**, and Chaaban, J. 2018. Impact of groundwater salinity on agricultural productivity with climate change implications. **International Journal of Sustainable Development Planning**, Vol. 13, No. 13: 445-456.
3. Tomaszekiewicz, M., Abou Najm*, M., **Zurayk, R.** and M. El-Fadel. 2016. Dew as an adaptation measure to meet water demand in agriculture and reforestation. **Agricultural and Forest Meteorology**, 232, 411–421. DOI:10.1016/j.agrformet.2016.09.009
4. Gharios, C., El. Nour, S., Mundy, M., **Zurayk, R.** 2016. Transformation rurale, paysage et conflit dans un village du Liban Sud, Sinay. **Economie Rurale** 353-354/Mai-Juillet 2016. P 9-26
5. Habib, R., Mikati, D., Hojeij, S., El Asmar, K., Chaaya, M., and **Zurayk, R.** 2016. Associations between poor living conditions and multi-morbidity among Syrian migrant agricultural workers in Lebanon. **European Journal of Public Health**. 26 (6): 1039-1044. <https://doi.org/10.1093/eurpub/ckw096>. July 8, 2016.
6. Jaafar, H., **Zurayk, R.**, King, C., Ahmad, F., and Al-Outa, R. 2015. Impact of the Syrian conflict on irrigated agriculture in the Orontes Basin. **International Journal of Water Resources Development**. Online March 23, 2015. <http://dx.doi.org/10.1080/07900627.2015.1023892>
7. El. Nour, S., Gharios, C., Mundy, M., **Zurayk, R.** 2015. The right to the village? Concept and History in a village of South Lebanon. **Spatial Justice**. January 2015, No. 7. ISSN 2105-0392.
8. **Zurayk, R.** 2014. Looking at Sierra Leone's Ebola Epidemic Through an Agrarian Lens. **Journal of Agriculture, Food Systems, and Community Development**. Volume 5(2), 15-20 pp. online November 17, 2014.
9. **Zurayk, R.** 2014. The agrarian limits of the food movement. **Journal of Agriculture, Food Systems, and Community Development**. Volume 4(3), 9-22 pp. ISSN: 2152-0801 online. June 25, 2014.
10. **Zurayk, R.** 2014. The fatal synergy of war and drought in the Eastern Mediterranean. **Journal of Agriculture, Food Systems, and Community Development**. Volume 4(2), 9-13 pp. ISSN: 2152-0801 online. March 17, 2014.
11. Ghattas, H., Barbour, J., Nord, M., **Zurayk, R.**, and Sahyoun, N. 2013. Household food security is associated with Agricultural livelihoods and diet quality in a marginalized community of rural Bedouins in Lebanon. **Journal of Nutrition**. doi: 10.3945/jn.113.176388 online . October 2013
12. **Zurayk, R.** 2013. Should Farmers Just Say No?. **Journal of Agriculture, Food Systems, and Community Development**. Volume 4, Issue 1, 4pp.ISSN: 2152-0801 online. December 8, 2013.
13. **Zurayk, R.** 2013. Civil war and the devastation of Syria’s food system. **Journal of Agriculture, Food Systems, and Community Development**. Volume 3, Issue 2,

3pp. ISSN: 2152-0801 online. March 19, 2013.

14. **Zurayk, R.** 2012. Asking the right questions. **Journal of Agriculture, Food Systems, and Community Development**. Volume 3, Issue 1, 3pp. ISSN: 2152-0801 online. December 16, 2012.
15. Abboud, M., Makhzoumi, J, Clubbe, C., **Zurayk, R.**, Jury, S., and Talhouk, S. 2012. Riparian habitat assessment tool for Lebanese rivers (RiHAT): case study Ibrahim Rive. **BioRisk**. 7: 99–116
16. **Zurayk, R.** 2012. Bread, freedom, and social justice. **Journal of Agriculture, Food Systems, and Community Development**. Volume 2, Issue 2, 4pp. ISSN: 2152-0801 online. April 2012.
17. Garcon, L. and **Zurayk, R.** 2011. L'œil et la bouche : Le goût du paysage pour préserver le patrimoine alimentaire libanais. **Food and History**. Volume 9, Number 2/2011. ISSN: 1780-3187 online: June 2012
18. **Zurayk, R.** 2011. Occupy the Global Food Regime. **Journal of Agriculture, Food Systems, and Community Development**. Volume 2, Issue 1, 3 pp. ISSN 2152-0801 online, December 2011.
19. **Zurayk, R.**, Chaaban, J., and Sabra, A. 2011. Ensuring that potential Gulf farmland investments in developing countries are pro-poor and sustainable. **Food Security**. Volume 3, Issue 1 (2011), Page 129.
20. **Zurayk, R.** 2010. From Incidental to Essential: Urban Agriculture in the Middle East. **Journal of Agriculture, Food Systems, and Community Development**. Volume 1, Issue 2. 3 pp. ISSN: 2152-0801 online, December 2010. (Regular editorial column).
21. **Zurayk, R.** 2010. Family farmers are struggling everywhere. **Journal of Agriculture, Food Systems, and Community Development**. Volume 1, Issue 1, August 2010, 27-30 pp. (Regular editorial column)
22. **Zurayk, R.**, El Fadel, M. and Nuwayhid, I. 2010. The Interfaculty Graduate Environmental Sciences Program of the American University of Beirut: an ESD initiative in the Arab World. **International Review of Education**. (56) 299–314
23. El Azar, G., Habib, R.R., Mahfoud, Z., El Fadel, M., Jurdi, M., **Zurayk, R.** and Nuwayhid, I. 2009. Effect of Women's Perceptions and Household Practices on Children's Waterborne Illness in a Low Income Community. **EcoHealth**. DOI: 10.1007/s10393-009-0239-8
24. Barbour, E., Sabra, A., Shaib, H., Berckley, A., Farajalla, N., **Zurayk, R.**, and Kassaify, Z. 2009. Polychlorinated Biphenyl Levels and its Correlation to Size of Marine Organisms Harvested from a War-Induced Oil Spill Zone of the Eastern Mediterranean Sea. **Mediterranean Marine Science** 10 (2): 19-28.
25. Kassaify, Z., El Hajj, R., Hamadeh, S., **Zurayk, R.**, and Barbour, E. 2009. Impact of Oil Spill in the Mediterranean Sea on Biodiversified bacteria in oysters. **Journal of Coastal Research**. Volume 25, Issue 2, Pages 469-473.
26. Bariche M, Alwan N, El-Assi H, **Zurayk R.** 2009. Diet composition of the Lessepsian bluespotted cornetfish *Fistularia commersonii* in the eastern Mediterranean. **Journal of Applied Ichthyology**. (2009) 1-6.
27. Barbour, E., Sabra, A., Shaib, H., Berckley, A., Farajalla, N., **Zurayk, A.**, and Kassaify, Z. 2008. Baseline data of Polycyclic Aromatic Hydrocarbons correlation to Size of Marine Organisms Harvested from a War-Induced Oil Spill Zone of the

Eastern Mediterranean Sea. **Marine Pollution Bulletin** Volume 56, Issue 4, Pages 770–797.

28. Baalbaki, R., N. Hajj-Hassan, and **R. Zurayk**. 2006. *Aegilops* species from Semiarid Areas of Lebanon: Variation in Quantitative Attributes under Water Stress. **Crop Science**. Vol. 46, 799-806.
29. Omeira, N., Barbour, E.K., Nehme, P.A., Hamadeh, S.K., **Zurayk, R.**, and Bashur, I. 2006. Microbiological and chemical properties of litter from different chicken types and production systems. **Science of the Total Environment**. 367 (2006) 156-162.
30. Nehme, P.A., Barbour, E.K., Sagherian, V.K., Hamadeh, S.K., and **Zurayk, R.** 2005. Baseline data on enumerated tracheal bacterial flora and drug susceptibility in chicken reared under different systems. **International Journal of Applied Research in Veterinary Medicine**, 3:372-377.
31. Talhouk, S.N., Van Breugel, P., **Zurayk, R.**, Al-Khatib, A., Estephan, J., Ghalayini, A., Debian, N., and Lichaa, D. 2005. Status and Prospects for the Conservation of Remnant Semi-natural Carob *Ceratonia siliqua* L. Populations in Lebanon. **Forest ecology and Management**. 206 (2005) 49-59.
32. Talhouk, S. N., Dardas, M., Dagher, M., Clubbe, C., Jury, S., **Zurayk, R.** and Maunder, M. 2005. Patterns of Floristic Diversity in Semi Natural Coastal Vegetation of Lebanon and Implications for Conservation. **Biodiversity and Conservation**. Vol.14, 903-915.
33. Barbour. K. Elie, Codsí, R. J. and **Zurayk, R. A.** 2004. Reproducibility of Bacterial and Copepod Density Assessment in Bathing and Artisanal Fishing Water of the Eastern Mediterranean. **International Journal of Environmental Health Research**. 14 (4), 315-321.
34. Semerjian L., El-Fadel, M., **Zurayk, R.** and Nuwayhid, I. 2004. An Interdisciplinary Approach to Environmental Education, **ASCE Professional Issues in Engineering Education and Practice**, 130, 3, 173-181
35. **Zurayk, R.**, Kanj, B., Talhouk, S. and Baalbaki, R. 2004. Salinity and phosphorus nutrition effects on vegetative growth of differentially drought tolerant wheat. **Crop Science**.
36. Kabengi, N.J., **Zurayk, R.**, Baalbaki, R. and Ryan, J. 2003. Phosphorus Dynamics and Characterization under a Long-term Rotation Trial. **Communications in Soil Science and Plant Analysis**. Vol. 34, No. 3 & 4, pp. 375-392.
37. **Zurayk, R.**, Sukkariyah, B., Baalbaki, R. and Abi Ghanem, D. 2002. Ni Phytoaccumulation in *Mentha aquatica* L. and *Mentha sylvestris* L. **Water, Air and Soil Pollution**. 139, 355-364.
38. Talhouk, S.N., **Zurayk, R.** and Khuri, S. 2001. Conservation of the Coniferous Forests of Lebanon: Past, Present and Future Prospects. **Oryx** 35 (3) 206-215.
39. **Zurayk, R.**, Sukkariyah, B., Baalbaki, R. and Abi Ghanem, D. 2001. Chromium Phytoaccumulation from Solution by Selected Hydrophytes. **International Journal of Phytoremediation** 3(3) 335-350.
40. **Zurayk, R.**, Khoury, N., Talhouk, S. and Baalbaki, R. 2001. Salinity-Heavy Metal Interactions in Four Salt-tolerant Plant Species. **Journal of Plant Nutrition**. 24 (11) 1773-1786.
41. **Zurayk, R.**, El-Awar, F., Hamadeh, S., Talhouk, S., Sayegh, C., Chehab, A. and Al Shab, A. 2001. Using Indigenous Knowledge in Land Use Investigations: A

- Participatory Study in a Semi-Arid Mountainous Region of Lebanon. **Agriculture, Ecosystems and Environment**. 86 (3) 247-262.
42. **Zurayk, R.**, Sukkariyah, B. and Baalbaki, R. 2001. Common Hydrophytes as Bioindicators of Ni, Cr and Cd Pollution. **Water, Air and Soil Pollution** 127: 373-388.
 43. **Zurayk, R.** 2000. Sustainable Agriculture in the Middle Eastern Context: Why Prevailing Models Won't Work. **Culture and Agriculture-American Anthropological Association**. 22 (1) 37-42.
 44. El-Awar, F. A., Makke, M.K., **Zurayk, R. A.** and Mohtar, R. H. 2000. A Hydro – Spatial Hierarchical Method For Siting Water Harvesting Reservoirs in Dry Areas. **Applied Engineering in Agriculture, ASAE** 16 (4) 395-404
 45. Baalbaki, R.Z., **Zurayk, R.A.**, Adlan, M.A. and Saxena, M.C. 2000. Effect of Nitrogen Source and Salinity Level on Salt Accumulation of Two Chickpea Genotypes. **Journal of Plant Nutrition**. 23(6), 805-814.
 46. Talhouk, S. N., Lubani, R.T., Baalbaki, R., **Zurayk, R.**, Al Khatib, A., Parmaksizian, L. and Jaradat, A.A.. 2000. Phenotypic Diversity and Morphological Characterization of *Amygdalus spp.* In Lebanon. **Genetic Resources and Crop Evolution**. 47: 93-104
 47. Hamadeh, S., **Zurayk, R.**, Awar, F., Talhouk, S., Abi Ghanem, D. and Abi Said, M. 1999. Farming Systems Analysis of Dryland Agriculture in Lebanon: An Analysis of Sustainability. **Journal of Sustainable Agriculture**. Vol 15 2/3.
 48. Baalbaki, R., **Zurayk, R.**, Bleik, M. and Talhouk, S. 1999. Germination and Seedling Development of Drought Tolerant and Susceptible Wheat under Moisture Stress. **Seed Science and Technology**. 27, 291-302.
 49. Talhouk, S.N., Lubani R., Parmaksizian L., Baalbaki R., **Zurayk R.**, and Adham Y. 1998. Characterization of almond germplasm in Lebanon. **FAO-Nucis-Newsletter**. 7:6-7.
 50. **Zurayk, R.**, Adlan, M., Baalbaki, R. and Saxena, M. 1998. Interactive Effects of Salinity and Biological N Fixation on Chickpea (*Cicer arietinum* L.) growth. **Journal of Agronomy and Crop Science**. 180: 249-259.
 51. Darwish, T. and **Zurayk, R.** 1997. Distribution and Nature of Red Mediterranean Soils in Lebanon Along an Altitudinal Sequence. **Catena** 28: 191-202.
 52. Toufeili, I., Olabi, A., Shadarevian. S., Abi-Antoun, M., **Zurayk, R.** and Baalbaki, R. 1997. Relationships of Selected Wheat Parameters to Burghul Making Quality. **Journal of Food Quality**. 20(3):211-224.
 53. **Zurayk, R.** Nimah, M., Geha, Y. and Rizk, C. 1997. Phosphorus Retention in the Soil Matrix of Constructed Wetlands. **Communications in Soil Science and Plant Analysis**. 28 (6-8): 521-535.
 54. **Zurayk, R.** and Baalbaki, R.1996. *Inula crithmoides*: a Candidate Plant for Saline Agriculture. **Arid Soil Research and Rehabilitation. Journal of Native and Agricultural Environments**. 10(3):213-223.
 55. **Zurayk, R.** 1994. Rehabilitating the Ancient Terraced Lands of Lebanon. **Journal of Soil and Water Conservation**. 49(2) 106-112. (Honorable Mention Award For Best Feature Article in 1994, Soil and Water Conservation Society).
 56. **Zurayk, R.** 1994. The Role of the Local Community in the Prevention and Mitigation of Forest Fires: Case Studies from Lebanon. **International Civil Defence Journal**. VII, 31-34.

57. **Zurayk, R.**, Nimah, M. and Hamze, M. 1993. The Salt Tolerance Potential of Local Cultivars of Eggplant (*Solanum melongena* L.). **Biological Agriculture and Horticulture**. 9:317-324.
58. **Zurayk, R.**, Tabbarah, D., and Banbukian, L. 1993. Preliminary Studies on the Salt Tolerance and Sodium Relations of Common Ornamental Plants. **Journal of Plant Nutrition**. 16 (7): 1309-1316

Conference Papers, Proceedings and Abstracts Published in Proceedings

1. El-Samra, R., El-Fadel, M., **Zurayk, R.**, Abou Najm, M., Alameddine, I., Bou-Zeid, E., Stenchikov, G., and Bangalath, H. 2018. Adaptation assessment for silage maize production in response to climate change in a semi-arid region. **"Climate Change and Global Warming"**. New York, USA. May 23-24, 2018
2. **Zurayk, R.** 2016. Livelihoods and Food Security in Post-Conflict Situations: Lessons Learned from Grassroots Action. **"Food Security Post-conflict: A Foundation for Peace and Sustainable Development"**. Beirut, Lebanon. December 8, 2016.
3. **Zurayk, R.**, Gharios, C., El Nour, S., Mundy, M., 2016. How Far Can We Go In Data-Poor, High-Security Environments? Studying the Political Ecology of Agrarian Change In South Lebanon. **AAG Annual Meeting 2016**. March 30, 2016.
4. Gharios, C., El Nour, S., Mundy, M., **Zurayk, R.** 2014. Transformation rural, paysage et conflit dans un village du Liban sud, Sinay. Paper presented at the **"Foncier Agricole 2014: Usages, tensions et regulations"**. Ecole Normale Supérieure, Lyon, France. June 11-12, 2014
5. **Zurayk, R.** 2014. The Morning After: the Arab Uprisings through an Agrarian Lens. Paper presented at the Annual conference entitled **After the 'Arab Spring': Development Challenges and Solutions**. Singapore. May 29-30, 2014.
6. Servel, H. et **Zurayk, R.** 2014. Marche, pouvoir et jeux de rôle: Le Rouge libanais résiste dans la vallée de la Beqaa. Paper presented at the **International conference "Agriculture et Géopolitique - Rivalités, Puissance, Coopération"**. Université De Versailles Saint-Quentin- Guyancourt. February 12-13, 2014.
7. **Zurayk, R.** and Samarrai, F. 2012. Landscape transformations and agrarian change in a village of South Lebanon. Paper presented at the **International Conference on "Agriculture in the Shadow of the Arab Oil Economy"**. Council for British Research on the Levant, Amman, Jordan. January 28-29, 2012.
8. Gough, A. and **Zurayk, R.** 2012. Cut Flowers and Strawberries: Agricultural Control in Gaza. **International Conference on "Agriculture in the Shadow of the Arab Oil Economy"**. Council for British Research on the Levant, Amman, Jordan. January 28-29, 2012.
9. **Zurayk, R.** 2012. Current Obstacles and Prospects of Peoples' Sovereignty on the Land. **HIC-HLRN Regional Land Forum: "Peoples' Right to Self-Determination"**. Cairo-Giza, January 15–17, 2012
10. **Zurayk, R.** 2012. Our Role in the FAO toward International Norms for Land Administration. **HIC-HLRN Regional Land Forum: "Peoples' Right to Self-Determination"**. Cairo-Giza, January 15–17, 2012
11. **Zurayk, R.** 2011. Food Security Education in the MENA region. **Regional Conference on Food Security in the Middle East and North Africa: The Role of**

- Academic and Research Institution.** AUB, Beirut, Lebanon. June 2-3, 2011
12. **Zurayk, R;** and Tell, T. 2010. Pasture and Politics: Landscape Fragmentation, Social Power and Bedouin Livelihoods in Mandatory Trans-Jordan and Contemporary Lebanon. Paper presented at the **International Conference on “Great Events and Catastrophes Impacts and Adaptations in Nomadic Societies”**. University of Leipzig, Oriental Institute, Germany. November 26, 2010.
 13. **Zurayk, R;** Tell, T. and Abu `Eid, H. 2010. From Pasture to Pasteurized: Landscape fragmentation, Livelihood and Food Economy of Bedouins in Jordan and Lebanon. Paper presented at the **International Conference on “The Role of Bedouin and Tribes in the Formation of the Modern State in the Arab East: Historical and Contemporary Perspectives”**. Orient-Institut, Beirut, Lebanon. June 10-11 2010.
 14. Myntti, C., Zurayk, R. and Mabsout, M. 2009. Beyond the Walls: The American University of Beirut Engages its Communities. Arab Regional Conference in Higher Education (ARCHE), At Cairo, Egypt. May 31, 2009
 15. **Zurayk, R.** 2009. From `Akkar to `Amel : A Landscape Approach to Documenting and Valorizing Lebanon’s Food Heritage. International Seminar on **“Compiling a Food Heritage Inventory: Existing Knowledge, Methods and Perspectives”**. Institut Europeen d’Histoire et des Cultures de l’Alimentation. Tours. November 30-December 1 2009.
 16. **Zurayk, R.** and Salman, N. 2009. Jalons pour un Inventaire Meditteraneen: Elements de Discussions. International Seminar on **“Compiling a Food Heritage Inventory: Existing Knowledge, Methods and Perspectives”**. Institut Europeen d’Histoire et des cultures de l’Alimentation. Tours. November 30-December 1 2009.
 17. **Zurayk, R.** and Abu Ghyda, T. 2009. The Lebanese Terroir: A Challenge of Quality. **UNESCO conference on Localizing Products: A Sustainable Approach for Natural and Cultural Diversity in the South.** Paris, 9-11 June, 2009.
 18. **Zurayk, R** and Sabra, A. 2009. Sustainable Land Management in the ESCWA Region. **ESCWA.** March 25-27, 09
 19. **Zurayk, R.,** 2008. Entrepreneurial University Helps the Rural Poor. **International Conference on Sharing Innovative Agribusiness Solutions.** UNIDO. November 26-27. Cairo, Egypt.
 20. **Zurayk, R.,** Tell, T., Naja, F. and Abu `Eid, H. 2008. Impact of Environmental Change on the Marginalized Bedouin Populations: Reflections on Jordan and Lebanon. **International Workshop on Climate Change and Food Security. World Food Program.** Cairo, November 3-4, 2008
 21. **Zurayk, R.** 2008. From Nomads to Settlers: How Droughts, War and Policies Transformed the Jordanian Bedouins. **Food Security and Environmental Change Conference, GECAFS (Global Environmental Change and Food Systems)** Oxford, UK. 2-4 April 2008. (Abstract)
 22. El Azar G, Habib RR, Nuwayhid I, Jurdi M, Mahfoud Z, El-Fadel M, **Zurayk R.** 2007. *Diarrhea and women's practices for handling water in the town of Bebnine, Lebanon.* **19th Conference of the International Society for Environmental Epidemiology (ISEE):** Translating Environmental Epidemiology into Action: Interventions for a Healthy Future. Mexico City, 5-9. September 2007
 23. El Azar G, Habib RR, Nuwayhid I, Jurdi M, El-Fadel M, **Zurayk R.,** Mahfoud Z. 2007. *Diarrhea and Water Handling In the Town of Bebnine, Lebanon.* **The Third**

- International Conference on Environmental Science and Technology**, Houston, Texas, USA, 6-9. August 2007.
24. El Azar, G., Habib, R.R., Nuwayhid, I., Jurdi, M., El Fadel, M., **Zurayk, R.** Applying Ecohealth to Water and Health Research in Bebnine, Lebanon. 2006.. **International Conference on Ecosystem approaches to Human Health**, USA, July 2006.
 25. **Zurayk, R.**, Haidar, M and Hamadeh, S. 2005. The Local Users Network: A Participatory Communication Forum. In: Mear, A. (ed.). **Food and Water for Millions: Participatory Communication for Land and Water Management**. Montreal, Canada. pp: 17-25.
 26. Habib, R.R., Nuwayhid, I.A., El-Fadel, M., **Zurayk, R.** and Kabakian, V. 2004. Water Quality in the Coastal Zone of Bebnine: A Case Study on Successful Community Participation. CZAP (2004): **Coastal Zone Asia Pacific Conference**, 5-9 September 2004, Brisbane, Australia.
 27. Bu Ghanem, M., Kai, L, Joanna K., Modad, N. et **Zurayk, R.** 2004. La Cerise d'Aarsal – Liban. Promouvoir la Compétitivité de l'Agriculture par les Savoir-faire Locaux. **Atelier sur les indications géographiques au Moyen-Orient et en Afrique du Nord** 7-10 Juin 2004, Montpellier, France. pp. 25-27.
 28. **Zurayk, R.**, Makki, F., Naddeh, S., Haidar, M., Codsí, E., Fatfat, S., Houjeiri, A. et Daccache, J. 2004. Le Plan d'Action Libanais. Promouvoir la Compétitivité de l'Agriculture par les Savoir-faire Locaux. **Atelier sur les indications géographiques au Moyen-Orient et en Afrique du Nord** 7-10 Juin 2004, Montpellier, France. pp. 79-80.
 29. Jamali, D. and **Zurayk, R.** 2004. A community of practice approach to knowledge management, ECKM 2004: **The 5th European Conference on Knowledge Management**, Conservatoire National des Arts et Metiers (CNAM), Paris, France, 30 September - 1 October, 2004.
 30. **Zurayk, R.** and Abdel Samad, L. 2004. Environmental Problems of Urban and Peri-urban Agriculture in Lebanon. **Unesco/Scope workshop on peri-urban environmental change**. Beirut, 18-19 March 2004
 31. Nuwayhid I., Hamdan M., Nasrallah N., **Zurayk R.**, and El-Fadel M. 2003. Lead pollution in an urban community: Whose health priority? **International Forum on Ecosystem Approaches to Human Health**, Montreal, Canada, May 18-23, 2003.
 32. Baalbaki, R. and **Zurayk, R.** 2003. Salinity Tolerant Plants-resources and Research in Lebanon. **Proceedings, Biotechnology and its Role in the Jordanian Economy**. October 6-8, 2003, Page 9. The Higher Council for Science and Technology General Secretariat. Jordan.
 33. **Zurayk, R.**, Haidar, M. and Hamadeh, S. 2003. Carting the Oxen. Putting research into development. **Conference on Health Approach to Ecosystem**. Montreal, Canada. May 2003.
 34. Nuwayhid I, El-Fadel M, **Zurayk R.** 2003. An Interfaculty Graduate Environmental Sciences Program: A case study. **Ecohealth Forum**, Montreal, June, 2003 (http://www.idrc.ca/es/ev-24406-201-1-DO_TOPIC.html)
 35. **Zurayk, R.** 2002. Farmers and funders priorities for biodiversity conservation in Lebanon. In: **Promoting best practices for conservation and sustainable use of biodiversity of global significance in arid and semiarid zones of the developing world**. Trieste, Italy: UNEP, GEF, TWNSO.

36. **Zurayk, R.** and Haidar, M. 2002. The Local User's Network: An intercultural Participatory Development Communication Platform. **The 23rd conference of the International Association for Media and Communication Research (IAMCR)**. Barcelona, Spain, July 2002.
37. **Zurayk, R.** and Haidar, M. 2002. Whose Basic Needs? Farmers and funders priorities in biodiversity conservation. **The Regional Workshop on Best Practices for Sustainable Biodiversity Conservation**. Oman, April 2002.
38. El-Awar, F., Hudeib, H., and **Zurayk, R.** 2001. Using GIS and Hydrologic Modeling for Erosion Hazard Assessment in Lebanese Mountainous Areas. **Soil Erosion Research for the 21st Century**. *Proceedings of International Symposium*. 3-5 January 2001, Honolulu, HI, USA
39. Talhouk, S.N., G.A. Nehme, R. Baalbaki, **R. Zurayk** and Y. Adham. 2001. Ecogeographic Characterization of Pistacia spp. in Lebanon. In: Padulosi, S. and A. Hadj-Hassan, Ed. **Project on underutilized Mediterranean species. Pistacia: towards a comprehensive documentation of distribution and use of its genetic diversity in Central and West Asia, North Africa and Mediterranean Europe**. Report of the IPGRI workshop, 14-17 Dec. Irbid. Jordan.
40. **Zurayk, R. A.**, El-Awar, F., Hodeib, H., Sayegh, C. and Hamadeh, S. 2001. A GIS-based Methodology for Soil Degradation Evaluation. In: **Sustaining the global farm: Selected papers from the 10th International Soil Conservation Organization (ISCO) Conference, May 23-28, 1999, Purdue University, West Lafayette, Indiana, USA, eds. D. Stott, R. Mohtar and G. Steinhardt, 1082-1089**. International Soil Conservation Organization. Online: <http://tucson.ars.ag.gov/isco/isco10/SustainingTheGlobalFarm/P027-Zurayk.pdf> (refereed paper)
41. **Zurayk, R.** and Abdul Samad, L. 2001. Impacts de l'Agriculture du Littoral Libanais sur l'Environnement et sur les Ressources Naturelles. Presented at the international conference: **"L'Interface Entre Agriculture et Urbanization sur le Littoral Libanais"**. June 14-15, 2001, CERMOC, Beirut, Lebanon.
42. El-Awar, F. A., Hodeib, H. W. and **Zurayk, R. A.** 2001. GIS-Based Hydrologic Modeling for Erosion Hazard Assessment in Lebanese Mountainous Areas. Presented at the **International Symposium on Soil Erosion Research for the 21st Century**, January 3-5, 2001, Honolulu, Hawaii, USA.
43. **Zurayk, R.**, Talhouk, S., Chatila, J. and Abdul-Samad, L. 2000. Environmental Costs of Peri-urban Agriculture in Coastal Lebanon. In: H. Hoffmann, K. Mathey (eds.). **Urban Agriculture and Horticulture, the linkage with Urban Planning. 2000. International Symposium**. Berlin, July 2000. (on cd-rom).
44. El-Awar, F. A., Mohtar, R. H., **Zurayk, R. A.** and Makke, M. K. 2000. A GIS-Based Methodology for Siting Water Harvesting Reservoirs in Dry Areas. **Proceedings of the International Conference on Wadi Hydrology**, November 21-23, 2000, Sharam El-Sheikh, Egypt.
45. El-Awar, F. A., Mohtar, M. H., **Zurayk, R. A.** and Makkeh, M. K. 2000. Siting Water Harvesting Reservoirs in Dry Lands. **Proceedings of the 2000 ASAE International Meeting**, July 9-12, 2000, Milwaukee, Wisconsin, USA.
46. **Zurayk, R.**, Baalbaki, R., Sukkariyah, B. Khoury, Talhouk, S., Srour, R. and Samad, F. 2000. Monitoring and Phytoremediation of Cd, Cr and Ni in Natural and Agricultural

- Ecosystems. **Soil-Environment and Health meeting. British Society of Soil Science.** Birmingham, April 7-8, 2000.
47. **Zurayk, R. A.**, Sayegh, C., El Awar, F., Hodeib, H., Chehab, A. and Hamadeh, S. 1999. A GIS-based Methodology for Land Evaluation. **Presented at the 5th Annual Middle East GIS ESRI User Conference**, May 17-20, 1999, Beirut, Lebanon.
 48. El Masri, T., Tannous, R. and **Zurayk, R.** 1999. The Potential of Growing Lupine as a Fertilizing Agent and a Prevention Technique to Forest Fires. **Sixth International Meeting on Soils with Mediterranean Type of Climate**. Barcelona, Spain, 4-9 July 1999.
 49. El-Awar, F. A., Mohtar, M. H., **Zurayk, R. A.** and Makkeh, M. K. 1999. Water Harvesting in Dry Marginal Lands. **Presented at the 10th International Soil Conservation Organization (ISCO) Conference**, May 23-28, 1999, Purdue University, West Lafayette, Indiana, USA.
 50. Makkeh, M. K., El-Awar, F. A. and **Zurayk, R. A.** 1999. A GIS Based Methodology for Siting Small Water Harvesting Reservoirs. **Presented at the 5th Annual Middle East GIS ESRI User Conference**, May 17-20, 1999, Beirut, Lebanon.
 51. Hamadeh, S.K., Abi Said, M., Shomo, F. Nordbloom, T., **Zurayk, R.** and Nassar, A. 1998. Diversity of Small Ruminant Systems in Lebanon: a Response to Constraints. **International Symposium of Livestock Production and Climatic Uncertainty**. Morocco, October 22-24, 1998.
 52. **Zurayk, R.A.** 1998. Facing Change: The Challenge of Soil Conservation in Steplands in Lebanon. **Natural Resources Management Workshop**, 4-8 May, Cairo, Egypt.(ICARDA).
 53. **Zurayk, R.A.** 1997. Soil-Water-Plant Relationships in Salt-Affected Soils. In: Zurayk, R. and Hamdallah, G. 1997. (eds.) **Proceedings of the Regional Workshop on the Management of Salt Affected Soils in the Arab Gulf States**. FAO, 29 October-2 November 1995, Abu Dhabi, United Arab Emirates. FAO, Regional Office for the Middle East, Cairo, Egypt, iv+140 pp.
 54. **Zurayk, R.** 1997. Drainage and Salinity Investigation Techniques for the Diagnosis of Land Degradation. In: Zurayk, R. and Hamdallah, G. (eds.) **Proceedings of the Regional Workshop on the Management of Salt Affected Soils in the Arab Gulf States**. FAO, 29 October-2 November 1995, Abu Dhabi, United Arab Emirates. FAO, Regional Office for the Middle East, Cairo, Egypt, iv+140 pp.
 55. **Zurayk, R.A.** 1997. Challenges in Soil Sciences Education in the West Asia and North Africa Region. In: Ryan, J. (ed.). 1997. Accomplishments and Future Challenges in Dryland Soil Fertility Research in the Mediterranean Area. **Proceedings of the Soil Fertility Workshop. Institut Mondial du Phosphate (IMPHOS) and ICARDA**, 19-23 November 1995, ICARDA, Aleppo, Syria, ix + 368 pp.
 56. Darwish, T. and **Zurayk, R.** 1997. Land Degradation in the Western Aspect of the Anti-Lebanon Range. **4th International Meeting on Red Mediterranean Soils**. Agricultural University. Plovdiv. Bulgaria, 26 May 1997-June 1 1997.
 57. **Zurayk, R.A.** 1996. Constructed Wetlands for Wastewater Treatment and Re-use. **Inter-Country Workshop on Re-Use of Wastewater**. UNDP and Abu Dhabi Municipality. Abu Dhabi, UAE. March 2-4, 1996.
 58. **Zurayk, R.**, Baalbaki, R. and Talhouk, S. 1995. Production and Use of Chemical Fertilizers and the Environment in Lebanon. In: M. M. El-Fouly and F.E. Abdalla

- (eds) **Proceedings of the seminar on Production and Use of Chemical Fertilizers and the Environment**. pp. 19-34. National Research Center (Egypt) and GTZ (Germany).
59. Baalbaki, R.Z., Kanj, B.R., **Zurayk, R.A.** and Talhouk, N.S. 1995. Salinity and Phosphorus Effects on Vegetative Growth of Drought Tolerant and Susceptible Wheat Cultivars. **Agronomy Abstracts**. pp 141.
 60. **Zurayk, R.** and Darwish, T. 1995. Toposequential Analysis of Red Mediterranean Soils in the Lebanese Mountain Ecosystem. **Third International Meeting on Red Mediterranean Soils**. May 21-26, 1995, pp 39-41.
 61. **Zurayk, R.**, Geha, Y. and Hawa, G. 1995. Phosphorus Removal Dynamics in Lime-Amended Red Soil. **Third International Meeting on Red Mediterranean Soils**. May 21-26, 1995, pp 61-63.
 62. Darwish, T. **Zurayk, R.** and Masri, T. 1995. High Altitudes Rendzinas in Lebanon. **Third International Meeting on Red Mediterranean Soils**. May 21-26, 1995, pp 26-28.
 63. Timani, S. and **Zurayk, R.** 1995. Using GIS in Analyzing Deforestation and its Impacts in Lebanon. **ESRI Middle East User Meeting**. January 19-20, 1995. Cairo, Egypt.
 64. **Zurayk, R.**; Rizk, C.; Nimah, M. and Acra, A. 1994. Performance of Pilot Scale Hydrophyte Beds for Wastewater Treatment Under Various Operating Conditions. Proceedings of the **Water Environment Federation 67th Annual Conference**, vol VII, 7-18.
 65. Al Khalidi, M. and **R. Zurayk**. 1994. The Sustainability of Internationally (NGO) funded community based sanitation projects in Lebanon. **Proceedings of the Water Environment Federation 67th Annual Conference**, vol VIII, 413-422.
 66. **Zurayk, R.** and Al Mubayyid, L. 1994. Women and the Environment in the Rural Development Policies in Lebanon. **Proceedings of the Regional Conference on the Arab Woman and the Environment**. 25-27 November 1993. Beirut, Lebanon (in Arabic).
 67. **Zurayk, R.** Adlan, M., Baalbaki, R. and Saxena, M. 1994. Response of Chickpea Nodulation, Nitrogen Fixation and Growth to Salinity. **Agronomy Abstracts**. pp. 305.
 68. Baalbaki, R., Bleik, M. and **Zurayk, R.** 1994. Moisture Stress Effects on Germination and Seedling Development. **Agronomy Abstracts**. pp 176.
 69. Fayyad, H., Nimah, M.N., Baalbaki, R. and **Zurayk, R.** 1994. An Empirical Model to Estimate Evaporation from Soil Moisture. **Agronomy Abstracts**. pp. 353.
 70. Nimah, M.N., Mina, N. and **Zurayk, R.** 1994. Estimating Unsaturated Soil Hydraulic Properties from Depth of Wetting. **Agronomy Abstracts** pp 234.
 71. **Zurayk, R. A.**, Darwish, T., and Geha, Y. 1993. Testing the Fertility of Red Mediterranean Soils of Lebanon. **Second International Meeting on Red Mediterranean Soils, 3-9 May 1993, Adana, Turkey**. pp. 187-188.
 72. Darwish, T. and **Zurayk, R.** 1993. Distribution and Genesis of Red Mediterranean Soils of Lebanon. **Second International Meeting on Red Mediterranean Soils, 3-9 May 1993, Adana, Turkey**. pp. 22-24.
 73. Sadek, S., **Zurayk, R.** and Basha, H. 1993. The Potential Use of Artificial Recharge in the Management of Groundwater Quality and Quantity in Lebanon. **Regional**

- Seminar on the Potential of Artificial Recharge of Groundwater.** December 13-15, 1993. Amman, Jordan.
74. Hamadeh, S., Seeden, H., Talhouk, S., Baalbaki, R. and **Zurayk, R.** 1993. Changes in Traditional Agropastoral Systems; a Case Study. **Dryland Management Project Final Workshop.** May 1993, ICARDA, Aleppo, Syria.
75. Jaber, F., Rizk, C. and **Zurayk, R.** 1992. Design and Performance of Pilot Test Beds for Hydrophyte Sewage Treatment. Poster presented at the **First National Workshop on Water in Lebanon.** UNICEF, Beirut, 28-19 November 1992.
76. **Zreik, R.** 1991. Post-War Perspectives for Development Work in The Middle East. In: **The Middle East: Political Change and Development,** CIIR, 1991, London
77. **Zurayk, R.,** Nimah, M. and Hamze, M. 1984. Evaluation of Eggplant Cultivars for Salt Tolerance. Abstract, **Eighth Science Meeting, The Lebanese Association for the Advancement of Science.** March 21-24, 1984, Beirut, Lebanon.

Other papers

1. **Zurayk, R.** 2014. The Morning After: the Arab Uprisings Through an Agrarian Lens. **After the ‘Arab Spring’: Development Challenges and Solutions Conference.** Middle East Institute, Singapore, May 29-30, 2014.
2. **Zurayk, R.** 2012. Food Security in the Arab Economics. In: **Rethinking Economic Growth: Towards Productive and Inclusive Arab Societies.** International Labor Organization (ILO), UNDP. September 2012.
http://www.ilo.org/beirut/publications/WCMS_208346/lang--en/index.htm
3. **Zurayk, R.** Gough, A., Sourani, A., and Al jaajaa, M. 2012. Food Security Challenges and Innovation: The Case of Gaza. **Food Insecurity in Protracted Crises.** FAO. Rome, Italy. September 13-14, 2012. <http://www.fao.org/cfs/cfs-home/cfs-fipc/hlef-home/en/>
4. Abdelnour, S., Tartir, A. and **Zurayk, R.** 2012. Farming Palestine for Freedom. **Al-Shabaka: The Palestinian Policy Network.** July 2012. <http://al-shabaka.org/node/437>
5. **Zurayk, R.** 2011. Egypt’s freedom harvest. **Internationalist.** Issue 447.
<http://newint.org/features/2011/11/01/arab-spring-food-prices/>
6. Garcon, L. and **Zurayk, R.** 2010. A Season in Hell. **Le Monde Diplomatique.** September 2010 (French), November 2010 (English)
7. Garcon, L. and **Zurayk, R.** 2010. Lebanon's Bitter Garden. **Le Monde Diplomatique.** September 2010 (French), November 2010 (English)
8. **Zurayk, R.** 2009. Des Marches Pour le Bon Vivre. **L’Escargot.** Publication de Slow Food France. Numero 1, 2009.
9. **Zurayk, R.** 2008. The Edible Landscape (Le Pietre Angolari). **Slowfood 32.** pp 42-48.
http://editore.slowfood.it/editore/riviste/slowfood/IT/32/articoli/Slowfood32_05.pdf
10. Zurayk, R., Touma, R. 2005. Business for the poor: Healthy Basket, a socially responsible company trading in organic produce in Lebanon and the Middle East.
<http://www.globalfoodchainpartnerships.org/cairo/papers/RaniaToumaLebanon.pdf>

11. **Zurayk, R.** and Haidar, M. 2003. The Dryland Predicament: Natural Capital, Global Forces. **Development Outreach**. (3) 35-39.
12. **Zurayk, R. A.** 2003. Participatory GIS-based Natural Resource Management: Experiences from a Country of the South. **Arid Lands Newsletter**. No. 53, May/June 2003. <http://ag.arizona.edu/OALS/ALN/aln53/zurayk.html>
13. Talhouk, S.N., Nehme G.A., Baalbaki R., **Zurayk R.**, and Adham Y. 1999. Distribution of wild Pistacia spp. in Lebanon. **FAO-CIHEAM-Nucis-Newsletter**. 8: 31.
14. **Zurayk, R.** 1995. Environmental Concerns in Agricultural Technology Transfer in Lebanon. In: Rudel, W. (ed.): **Transfer of Environmentally Sound Technologies**. National Environmental Information and Education Program- Friedrich-Nauman Stiftung. pp 93-104
15. **Zurayk, R.** and El Moubayid, L. 1994. Land Degradation and Mitigation in the Lebanese Mountains: The Breakdown of Traditional Systems. **Research Paper no 9, Disaster Management Training Program**. UNDP/DHA, New York. (Refereed paper)

Sample of Recent Invited Talks

1. **Food Security in Conflicts and Protracted Crises**. Conference on *Food Security and Nutrition in the Context of Agenda 2030*. Hohenheim University. September 27, 2016
2. **And What if One Spoke of the Land? Labour, Food and the Making of Space in Modern South Lebanon**. London School of Economics. London. September 29, 2015.
3. **The Morning After: the Arab Uprisings Through an Agrarian Lens**. Annual conference *After the 'Arab Spring': Development Challenges and Solutions*. Singapore. May 29 - 30, 2014.
4. **Food, Farming, and Freedom: Sowing the Arab Spring. Authors Meet Critics Session**. Association of American Geographers Annual Meeting. Tampa, Florida. April 8-12, 2014.
5. **The Empty Breadbasket. The Agrarian Roots of the Arab Uprising**. Skidmore College, Saratoga, NY, USA. April 6, 2014

Documentary Films

Warsheh! A 40 minutes documentary on the life of the Syrian women farm workers in the Bekaa plain, Lebanon. Directed by Lucile Garcon, co-produced by Rami Zurayk

Extension Booklets, Papers and Leaflets

Authored by R. Zurayk

1. Moussa, Z. and **Zurayk, R.** 2003. Organic Farming. American University of Beirut, USDA and Mercy Corps. (Arabic).14pp.
2. Moussa, Z. and **Zurayk, R.** 2003. Fertilization Techniques in Organic Farming.

- American University of Beirut, USDA and Mercy Corps. (Arabic). 14pp.
3. Moussa, Z. and **Zurayk, R.** 2003. Sustainable Agriculture. American University of Beirut, USDA and Mercy Corps. (Arabic). 14pp.
 4. Moussa, Z. and **Zurayk, R.** 2003. Forage Crops. American University of Beirut, USDA and Mercy Corps. (Arabic). 14pp.
 5. Moussa, Z. and **Zurayk, R.** 2003. Innovations in Agricultural Marketing. American University of Beirut, USDA and Mercy Corps. (Arabic). 14pp.
 6. Moussa, Z. and **Zurayk, R.** 2003. Rural Tourism. American University of Beirut, USDA and Mercy Corps. (Arabic). 14pp.
 7. Dereix, C. A. Ohannessian-Charpin, Khouzami, M., Safi, S., **Zreik, R.**, El-Hanna, C. Hanna, K., El-Riachy, N., Habr, R.A., Munzer, M.H. and Fortunat, L. 1999. **Le Vademecum du Gestionnaire de Forets et d'Espaces Naturels au Liban.** Projet d'Assistance a la Protection de la Couverture Vegetale au Liban. Union Europeenne et Ministere de l'Agriculture, ii+102pp.
 8. Dereix, C. A. Ohannessian-Charpin, Khouzami, M., Safi, S., **Zreik, R.**, El-Hanna, C. Hanna, K., El-Riachy, N., Habr, R.A., Munzer, M.H. and Fortunat, L. 1999. **Le Fascicule des Essences Forestieres Du Liban.** Projet d'Assistance a la Protection de la Couverture Vegetale au Liban. Union Europeenne et Ministere de l'Agriculture.65pp.
 9. Dereix, C. A. Ohannessian-Charpin, Khouzami, M., Safi, S., **Zurayk, R.**, El-Hanna, C. Hanna, K., El-Riachy, N., Habr, R.A., Munzer, M.H. and Fortunat, L.1999. **Trois Notices Techniques: Recolte et Conservation des Graines Forestieres, Pepiniere de Plants Forestiers, Reboisement.** Projet d'Assistance a la Protection de la Couverture Vegetale au Liban. Union Europeenne et Ministere de l'Agriculture.