

Scientific Production within the Framework of CAPWATER Project

1. Shaban, A., Darwich, T., Faour, G. 2012. Role of Remote Sensing in Studying Water Resources of Lebanon. 6th World Water Forum, Marseilles, 12-17 March 2012, NASA Side Event Panel to the US Pavilion.
2. Shaban, A. 2013. Climate and Water Resources Assessment and Data Analysis, CAPWATER Project Supervision Mission. 12-14/12/2013, Amman, Jordan.
3. Shaban, A., Darwich, T., Drapeau, L., Gascoin, S. 2014. Climatic Induced Snowpack Surfaces on Lebanon's Mountains. *Open Hydrology Journal*. 2014 (8): 8-16.
4. Shaban, A. 2014. Perspectives and applications of remote sensing to water resources management in Lebanon. Lecture presented at John Hopkins University, Baltimore. 10/12/2014.
5. Awad, M., Darwish, T., Possible field crops mapping and assessment in Lebanon using Sentinel-II images and GIS, SENTINEL-2 for Science Workshop 2014, European Space Agency (ESA), Frascati, Italy, 19-22 May 2014.
6. Awad, M., Darwish T., Bachour R., Field crops mapping and assessment in Lebanon using Remote Sensing and GIS, proceeding of: 20th LAAS annual Conference, Beirut, Lebanon, March 2014.
7. Awad M., Darwish T., Evaporation mapping progress in Lebanon, Evapotranspiration workshop, organized by AWC, Cairo, Egypt, 12-14 October 2014.
8. Abbas Fayad, Ghaleb Faour, Mario Mhaweij, Simon Gascoin and Talal Darwish 2014. A catchment-based modeling approach to evaluate hydrological processes using ground data and remote sensing approaches. 7th International Scientific Conference on the Global Water and Energy Cycle, At The Hague, The Netherlands from 14-17 July 2014.
9. Paolo Vareser, Carla Khater, Rita El-Hajj and Julien Viglione 2014. Brutian and stone pine stands in the upper Metn region (central Lebanon): a functional typology for forest conservation and management. 5th international conference on Mediterranean pines (Medpine 5), Solsona, Spain, September 22-26, 2014.
10. Chadi Abdallah, Rouba Ziade and Carla Khater 2014. Forest fires impact on landslides in Lebanon. 5th international conference on Mediterranean pines (Medpine 5), Solsona, Spain, September 22-26, 2014.
11. Carla Khater, Rita El-Hajj, Maria Maalouf and Chadi Abdallah 2014. Are Mediterranean pine forests resilient to recurrent fire events? Analysis of stone and Brutian pine stands in Lebanon. 5th international conference on Mediterranean pines (Medpine 5), Solsona, Spain, September 22-26, 2014.
12. Shaban, A. 2015. Use of Space Technology in Studying Water Resources in Lebanon. 7th World Water Forum, Daegu, 12-17 April 2015. Rep. of Korea.

13. Awad, M., Darwish, T., Habchi, R., Mapping Evapotranspiration to Administer Water Use in Bekaa Valley – Lebanon, 21st LAAS annual Conference, Beirut, Lebanon, April 2015.
14. Talal Darwish, Ghaleb Faour, Chadi Abdallah, Amin Shaban, Mohamad Awad, Mouin Hamze, 2015. Capacity building and sustainable management of water resources in Lebanon. 21th LAAS International Science Conference. Beirut, Lebanon, April 2015.
15. Abdallah, C., Darwish, T., Hdeib, R., Higazi, S., 2013. Flood Hazard Mapping & Assessment for Lebanon. The First Arab Conference on Disaster Risk Reduction, 19-21 March 2013, Aqaba, Jordan
16. Abdallah, C., Hdeib, R., Higazi, S., Darwish, T., 2014. Flood hazard mapping for Lebanon. 3rd International Conference on the Use of Space Technology for Water Management. United Nations, Morocco and Prince Sultan bin Abdulaziz International Prize for Water Organized in cooperation with European Space Agency (ESA), Inter-Islamic Network on Space Sciences and Technology (ISNET) and Secretariat of the Group on Earth Observations (GEO). 1- April, Rabat Morocco. (Poster)
17. Abdallah, C. 2014. Early warning System for Floods and Forest Fires. Disaster preparation and mitigation workshop, 17-18 May 2014, DMIT -Shoof
18. Abdallah, C., Darwish, T., Hamze, M., Zaarour, N. 2014. Flood Hazard Mapping Assessment. General Assembly (EGU), 27/4/2014, Vienna, Austria. Geophysical Research Abstracts, European Geosciences Union, Vol. 16, EGU2014-4469, 2014
19. Abdallah, C. 2014. CNRS; Role and task in Early Warning system and launching of new Android application for onsite forest fires damage assessment. Kick-off Meeting for the “Establishment of Sustainable Natural Resources Management Platform and Early warning system. 30 Sept 2014 Grand Serial-Beirut
20. Abdallah, C. 2014. CNRS strategy for Forest Fires Assessment. Workshop on “Activating the application of the national strategy for the management of forest fires within the Day celebration for Disaster Risk Reduction. 14 Oct 2014, Grand Serial Beirut.
21. Talal Darwish, Mohamad Awad, Amin Shaban, Chadi Abdallah, Ghaleb Four, and Mouin Hamze 2015. CAPWATER contribution to sustainable water management in Lebanon. OSS-BGR-GIZ Workshop. Tunisia, 1-3 December 2015: 89-98.
22. Abdallah, C., Fiorucci, P., Termos, S., Wehbi, M., 2015. Adynamic Integrated approach for forest fire management in Lebanon. 6th International Wildland Fire Conference. Pyeongchang, Gangwon, Republic of Korea. 12-16 October 20.

23. Awad, M. 2016. Crop yield estimation using remote sensing: A comparison between two methods. Poster, Living Planet Symposium, PragueCzech Republic, 10-12 May 2016, http://lps16.esa.int/page_session187.php#1356p.
24. Hamze M, Darwish T, Faour Gh, Abdallah Ch, Shaban A, Fadel A, Fayad A, Abou Najem S. 2016. Adoption of advanced techniques to improve national resilience to climate change in Lebanon. 12 International Drylands Development Conference. Alexandria, Egypt, 21-24 August 2016. Book of Abstracts, P. 75.
25. Abdallah, C., Hdeib R.2016. Flood Risk Assessment and mapping for Lebanon. General Assembly (EGU), 19/4/2015, Vienna, Austria. Geophysical Research Abstracts; Vol. 18, EGU2016-17305-1, 2016.
26. Hdeib R., Abdallah, C., Moussa R., Hijazi S. 2016. Flood Hazard Mapping Assessment for El-Awali River Catchment-Lebanon. General Assembly (EGU), 19/4/2015, Vienna, Austria. Geophysical Research Abstracts; Vol. 18, EGU2016-9558, 2016.