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Fares LAOUACHERIA

PROFIL

Grade : MCA.
Fonction : Research Professor.
Etablissement: Hydraulic Department, Technology Faculty, Badji Mokhtar Annaba University.
Laboratory: Soils and hydraulc

SOFTWARE

ArcGIS
HEC-HMS/HEC-RAS
DHI Mouse
WaterCAD/SewerCAD
EPANET/SWMM
Autocad/Covadis

LANGUAGES

Arabic: Native
English: Fluent
Frensh: Fluent

INTÉRÊTS

Footing
Tennis
Cinéma
Lecture

PROFESSIONNEL EXPERIENCES

01/10/2007 Until today (Annaba)
Badji-Mokhtar Annaba University
Research Professor

03/04/2006 30/09/2007 (Skikda)
Algerian public company of water unit of Skikda
Study manager

06/07/2004 31/03/2006 (Skikda)
Architectural design office (Architecture space)
Studies of the water drinking and stormwater networks

03/10/2000 07/06/2003 (Annaba)
Asmidal - Fertial
Manager within the public company and economic

03/04/1995 25/06/1995 (Azzaba)
C.E.M Mohamed El Ghassiri.
Teacher of Mathematics

FORMATIONS

2019 Annaba
HDR Degree
University of Badji Mokhtar Annaba

2015 Annaba
Phd. Degree
University of Badji Mokhtar Annaba

2007 Annaba
Magister Diploma
University of Badji Mokhtar Annaba

2003 Annaba
Engineer in hydraulics Degree
University of Badji Mokhtar Annaba

Field of interest:	Urban hydraulic, Climate Change, Hydrology, sediment transport and sediment yield, Hydraulic and hydrological Modelling, Geographic information system (GIS), remote sensing, and Mapping, Artificial Intelligence.
Publication from the last years:	1. Bouchehed, A., **Laouacheria, F**., Heddam, S., Djemili, L. Machine learning for better prediction of seepage flow through embankment dams: Gaussian process regression versus SVR and RVM. Environ Sci Pollut Res 30, 24751–24763 (2023). https://doi.org/10.1007/s11356-023-25446-2 2. Zeghadnia L., Boukhari, I., Rezaiguia., **Laouacheria, F**. Discussion of "Direct Solutions for Uniform Flow Parameters of Wide Rectangular and Triangular Sections" by Ahmed A. Lamri, Said M. Easa, Mohamed T. Bouziane, Mohammad Bijankhan, and Yan-Cheng Han. Journal of Irrigation and Drainage Engineering Volume 149 Issue 1 - January 2023. 3. **Laouacheria F**., Djellit L., Kechida S., Chabi M., Balla F. "Sensitivity analysis of the Safsaf river catchment (Algeria) models using two objective functions" - New Prospects in Environmental Geosciences and Hydrogeosciences. CAJG 2019. Advances in Science, Technology & Innovation, Springer, N° 692. Published 28 January 2022. 4. Imed Boukhari, Lotfi Zeghadnia, **Fares Laouacheria**, Araibia Ahmed Salah, Abdelkrim Guebail, Jean-Loup Robert, Lakhdar Djemili, 'Design of Collection System Parameters Using Known Reference Pipe Method (KRPM)', Asian Journal of Water, Environment and Pollution, V30, N°3, pp 21-30, 2021. 5. **Laouacheria F**., KECHIDA S., CHABI M (2019) Modelling the impact of design rainfall on the urban drainage system by SWMM. Journal of Water and Land Development, No 40 (I–III), De Gruyter 6. **Laouacheria F**., KECHIDA S., CHABI M (2018) Estimation of the Parameters of Muskingum Methods for the Prediction of the Flood Depth in the Moudjar River Catchment. World Academy of Science, Engineering and Technology, International Journal of Urban and Civil Engineering, V12, PP 921-924. 7. Said Kechida, Farid Bouchelghoum, **Fares Laouacheria**, Hocine Amarchi (2018) Modélisation numérique bidimensionnelle de l'effet de chargementsdes revêtements de tunnels circulaire et non circulaire en présence d'écoulement. Synthèse: Revue des Sciences et de la Technologie, V 37, PP 138-152. 8. LAKEHAL A and **Laouacheria F** (2017) Reliability based rehabilitation of water distribution networks by means of Bayesian networks. Journal of Water and Land Development, 34(VII–IX), 163–172, De Gruyter. 9. Abdelaziz Lakehal, **Fares Laouacheria** (2016) A Bayesian Approach to Predicting Water Supply and Rehabilitation of Water Distribution Networks. International Journal of Advanced Computer Science and Applications, V7, N°12. 10. **Laouacheria F** and Mansouri R (2015) Comparison of WBNM and HEC-HMS for Runoff Hydrograph Prediction in a Small Urban Catchment, pp 2485-2501, Water Resources Management, 2015.

Comunications from the last years:	1. Evaluation of the impact of rainfall duration and runoff model on the performance of the stormwater network of SIDI MEZGHICHE city, 1er Seminaire National sur l'Eau, Climat & Gestion des Resources en Eau, Octobre 18 & 19, 2022 Souk-Ahras, Algeria. 2. Prediction of flood inundation mapping by the coupled hydrologicaland hydraulic modeling, 1er Seminaire National sur l'Eau, Climat & Gestion des Resources en Eau, Octobre 18 & 19, 2022 Souk-Ahras, Algeria. 3. Impact of land use and climate change on the discharge of Saf-Saf catchment river Skikda, Second International Conference on Geosciences & Environment, September 17 & 18, 2022 Mascara, Algeria. 4. Enhancement of the computation of diameter in Turbulent flow pipe, the Third International Symposium Water Resources and Environmental Impact Assessment in North Africa (WREIANA 2021); October 1-3, 2021, Sfax, Tunisia. 5. Prediction of volume runoff and peak discharge in Saf-Saf Wadi catchment using GIS and HEC-HMS, the Third International Symposium Water Resources and Environmental Impact Assessment in North Africa (WREIANA 2021); October 1-3, 2021, Sfax, Tunisia. 6. Impact of Infiltration Process Modelling on volume runoff and peak discharge in Saf-Saf river catchment, Colloque, Nationale, le 10 Juillet 2021 à Constantine, Algérie 7. Sensitivity Analysis of the SAFSAF River Catchment Model Using Two Objective Functions, Conference of the Arabian Journal of Geosciences, Internationale, le 25 Nov 2019 à Sousse, Tunisia.