Personal resume

Personal Info

Name : Mohamed Khaled Salahou
Sex : Male
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Email : salahou3@hotmail.com
University : Hohai University
Nationality : Syrian
Languages : English, Chinese, and Arabic

Education

- Doctoral degree 2013.09-2017.06 Hohai University College of Agriculture Soil and Water Engineering
- Master's degree 2010.09-2013.06 Hohai University College of Hydrology and Water resource
- Bachelor's degree 2002.09-2007.06 Aleppo University Civil Engineering

Working

- Furat University 2007.09-2009.09 Lecturer
- Aleppo Municipal Council 2008.08-2009.09 Engineer
- Hohai University 2017.07-2019.06 Post-doc (College of Hydrology and Water resource)
- Hohai University 2017.07- currently Post-doc(College of Agriculture Soil and Water Engineering)

Publications

Publications as a first author:

[1]. **Salahou, Mohamed Khaled*;** Jiao, X.; Lü, H.; Wang, S.F.; Liu, K.H. "Determination of the control point position for the estimation of the optimal cut_off time of close-end furrow irrigation systems" **Pakistan Journal of Agricultural Sciences** (2021) (Accepted)

[2]. **Salahou, Mohamed Khaled*;** Jiao, X.; Lü, H. "Assessment of Empirical and Semi-empirical Models for Estimating a Soil Infiltration Function" **ASABE - The American Society of Agricultural and Biological Engineers,** Transactions of the ASABE **(2020)** 63(4)**. (IF: 1.156)**

[3]. **Salahou, Mohamed Khaled***; Jiao, X.; Lü, H. "An improved approach to estimating the infiltration characteristics in surface irrigation systems" **Plos One** (2020) 15(6). **(IF: 2.74)**

[4]. **Salahou, Mohamed Khaled**; Jiao, X.; Lü, H. "Discussion of "Suffusion susceptibility investigation by energy-based method and statistical analysis" **Canadian Geotechnical Journal** (2018), 55(11). **(IF: 2.802)**

[5]. **Salahou, Mohamed Khaled*;** Jiao, X.; Lü, H. "Border irrigation performance with distance-based cut-off" **Agricultural Water Management (2018),** 210, **27-37. (IF:4.021) (Cited : 25)**

[6]. **Salahou, Mohamed Khaled**; Jiao, X.; Dallo, Y.A.H. Disucssion of (anisotropic hydraulic conductivity and critical hydraulic gradient of a crushed sandstone–mudstone particle mixture). **Marine Georesources & Geotechnology (2018), 36 (2). (IF:1.716)**

[7]. **Salahou, Mohamed Khaled**; Jiao, X.; Guo, W. Discussion of "experimental study on the hydraulic conductivity of calcareous sand in south china sea". **Marine Georesources & Geotechnology (2018), 36 (3). (IF:1.716)**

[8]. **Salahou, Mohamed Khaled**; Jiao, X.y.; Liu, K. Irrigation management using different irrigation scheduling techniques in blocked-end furrows In *5th International Conference on Energy and Environmental Protection (ICEEP)* Kim, Y., Ed. ATLANTIS PRESS, 29 AVENUE LAVMIERE, PARIS, 75019, FRANCE Shenzhen, PEOPLES R CHINA, **(2016)**; Vol. 98, pp 594-602.

[9]. **Salahou, Mohamed Khaled**; Jiao, X. Infiltration estimation: Past and future. *2015 International conference on materials Engineering and industrial applications (***2015)**, 242-248.

[10]. **Salahou, Mohamed Khaled**; PENG, S.Z.; Xu, J.-Z. Hydraulic model of trickle irrigation laterals with single and varying pipe size. *International Proceedings of Chemical, Biological and Environmental Engineering (***2014)**, *62*, 70-78.

[11]. **Salahou, Mohamed Khaled**; Zhang, X.J. In *Assessing the impact of climate on actual crop water use over irrigated rice and rape in east china plain over four decades*, Applied Mechanics and Materials, **(2013)**; Trans Tech Publ: pp 2557-2564.

[12]. **Salahou, Mohamed Khaled**; Murava, R.T.; Zhang, X.J. In *Reference evapotranspiration models*, **Applied Mechanics and Materials**, **(2013)**; Trans Tech Publ: pp 2444-2453.

[13]. **Salahou, Mohamed Khaled**; Control of an irrigation canal. Research **Journal of Applied Sciences**, **Engineering and Technology** (2013), 5, 3916 - 3924.

Publications as a corresponding author:

[14]. Jiao, X.; Maimaitiyiming, A.; **Salahou, Mohamed Khaled***; Liu, K.; Guo, W. Impact of groundwater level on nitrate nitrogen accumulation in the vadose zone beneath a cotton field. **Water (2017)**, *9*, 171. **(IF:2.544) (Cited : 13)**

Publications as a co-author:

[15]. Liu K. H., Jiao X. Y., Guo W. H., **Salahou, Mohamed Khaled,** Gu Z. "Simulating advance distance in border irrigation systems based on the improved method of characteristics" **Int J Agric & Biol Eng**, (2021)13(3), 156-162

[16]. Liu K. H., Jiao X. Y., Li J, An Y. H., Guo W. H., **Salahou, Mohamed Khaled**. "Performance of a zero-inertia model for irrigation with rapidly varied inflow discharges" **Int J Agric & Biol Eng**, (2020)13, 175–181

[17]. Liu, K., Jiao, X., Guo, W., An, Y., **Salahou, Mohamed Khaled** "Improving border irrigation performance with predesigned varied-discharge" **Plos One** (2020) 15(5).

[18]. Wang, Shufang, Jiao, X., Wang, L., Gong, A., Sang, H., **Salahou, Mohamed Khaled**, Zhang, L. Integration of Boosted Regression Trees and Cellular Automata—Markov Model to Predict the Land Use Spatial Pattern in Hotan Oasis. **Sustainability** (2020)12(4).

[19]. Wang, L.Z., X.; Wang, S.; Salahou, Mohamed Khaled.; Fang, Y., Analysis and Application of Drought Characteristics Based on Theory of Runs and Copulas in Yunnan, Southwest China. . **Int. J. Environ. Res. Public Health** (2020) 17, 4654.

[20]. Shufang, W.; Xiyun, J.; Liping, W.; Honghui, S.; **Salahou, Mohamed Khaled**; Maimaitiyiming, A. Assessing climate change impacts on water resources of the hotan oasis using model, northwest china. **Fresenius Environmental Bulletin (2019)**, 28, 1647-1651. **(IF:0.673)**

[21]. Lin, Chen; Liangjun, Fei; Zilu, Wang; **Mohamed Khaled, Salahou**; Le, Liu; Yun, Zhong "Zhiguang, DaiThe effects of ploy (γ-glutamic acid) on spinach productivity and nitrogen use efficiency in North-West China" **Plant, Soil and Environment** (2018), 64. **(IF:1.421)**

[22]. Sang, H.; Jiao, X.; Wang, S.; Guo, W.; **Salahou, Mohamed Khaled**; Liu, K. " Effects of micro-nano bubble aerated irrigation and nitrogen fertilizer level on tillering, nitrogen uptake and utilization of early rice" **Plant, Soil and Environment** (2018), 64 (7). **(IF: 1.421)**

[23]. Guo, X.P.; Tackmore, M.R.; Obai, K.; **Salahou, Mohamed Khaled** In *The combined effects of salinity and water stress on the growth and yield quality of tomato*, **Applied Mechanics and Materials**, (2013); Trans Tech Publ: pp 2265-2273.

Publications that I have helped to revise and edit:

[24]. Sang, H., Guo, W., Gao, Y., Jiao, X., Pan, X. Effects of Alternating Fresh and Saline Water Irrigation on Soil Salinity and Chlorophyll Fluorescence of Summer Maize. Water (2020) 12.

[25]. Wang S, Jiao X, Guo W, Lu J, Bai Y, Wang L. Adaptability of shallow subsurface drip irrigation of alfalfa in an arid desert area of Northern Xinjiang. **PLoS One (2018)**;13:e0195965.

[26]. Mateosa, L.; Oyonarteb, N.A. Corrigendum to "a spreadsheet model to evaluate sloping furrow irrigation accounting for infiltration variability". **Agriculture Water Managemet, (2014),** 143, 159.

Projects

- Jiangsu planned projects for postdoctoral research funds "ASSESSMENT OF EMPIRICAL AND SEMI-EMPIRICAL MODELS FOR ESTIMATING A SOIL INFILTRATION FUNCTION" (grant number: 2018K130C).
- The National Natural Science Foundation of China project "Adaptive Control Mechanism of Furrow and Border Irrigation" (51879073); participated;
- The National Natural Science Foundation of China project "The dynamic characteristics of fertilizer movement in surface water flow under furrow and border irrigation and the design theory of irrigation and fertilization technical elements" (50979025), participated;
- The National Natural Science Foundation of China project "Huaihe River Basin Remote Sensing Soil Moisture Data Product Verification and Construction of Storm and Flood Data Assimilation System" (41830752); participated;

Skills

- The ability to independently carry out scientific research: participate in scientific research projects as a technical backbone; write project applications, year-end/final reports; assist tutors in guiding undergraduate and master's subject research.
- Master a variety of professional related software: can use HYDRUS-1D, HYDRUS-2D/3D, WinSRFR, etc. to study soil water and salt transport, groundwater modeling, etc.
- Programming language: Python, SQL, and PyQt

Attachments

- Attachment 1 Graduation certificate, degree certificate (Master, Ph.D.)
- Attachment 2 Postdoctoral Certificate
- Attachment 3 Published papers