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(a) Academic Degrees

2016–2020: Doctorate, Civil Engineering, University of Ottawa, Ottawa, Ontario, Canada
2013–2015: Master's, Civil Engineering, University of Ottawa, Ottawa, Ontario, Canada
2008–2012: Bachelor's, Agricultural Water Resources Engineering, Shenyang Agricultural University, Shenyang, Liaoning, China

(b) Appointments

2020 – present: Associate Professor, Water Resources Engineering, Faculty of Infrastructure Engineering, Dalian University of Technology, Dalian, Liaoning, China
2015 – 2016: Research Associate, Civil Engineering, Faculty of Engineering, University of Ottawa, Ottawa, Ontario, Canada
2012 – 2013: Water Resources Engineer, Zhuanghe City Water Resources Construction Survey and Design Institute

(c) Selected Products

[1] **Yan, X.***, Mohammadian, A., and Chen, X. (2020). Numerical modeling of inclined plane jets in a linearly stratified environment. Alexandria Engineering Journal, 1-11, doi: https://doi.org/10.1016/j.aej.2020.05.023.
[2] **Yan, X.***, and Mohammadian, A. (2020). Forecasting daily reference evapotranspiration for Canada using the Penman–Monteith model and statistically downscaled global climate model projections. Alexandria Engineering Journal, 59(2), 883-891.
[3] **Yan, X.**, and Mohammadian, A.* (2019). Numerical Modeling of Multiple Inclined Dense Jets Discharged from Moderately Spaced Ports. Water, 11, 1-15. doi:10.3390/w11102077.
[4] **Yan, X.***, Mohammadian, A., and Rennie, C. D. (2020). Numerical Modeling of Flow and Local Scour around Pipeline in Steady Currents Using Moving Mesh with Masked Elements. Journal of Hydraulic Engineering, 146(5), 06020005.
[5] **Yan, X.***, Ghodoosipour, B., & Mohammadian, A. (2020). Three-dimensional numerical study of multiple vertical buoyant jets in stationary ambient water. Journal of Hydraulic Engineering, 146(7), 04020049.
[6] **Yan, X.***, and Mohammadian, A. (2017). Numerical Modeling of Vertical Buoyant Jets Subjected to Lateral Confinement. Journal of Hydraulic Engineering, 143(7), 04017016.
[7] **Yan, X.***, Rennie C.D., and Mohammadian, A. (2020). Numerical modeling of local scour at a submerged weir with a downstream slope using a coupled moving-mesh and masked-element approach. International Journal of Sediment Research (Accepted).
[8] **Yan, X.***, Mohammadian, A., and Rennie C.D. (2020). Numerical modeling of local scour due to submerged wall jets using a strict vertex-based, terrain conformal, moving-mesh technique in OpenFOAM. International Journal of Sediment Research, 35(3), 237-248.
[9] **Yan, X.***, Rennie C.D., and Mohammadian, A. (2020). A three-dimensional numerical study of flow characteristics in strongly curved channel bends with different side slopes. Environmental Fluid Mechanics (Accepted).
[10] **Yan, X.**, and Mohammadian, A.* (2019). Multigene Genetic-Programming-Based Models for Initial Dilution of Laterally Confined Vertical Buoyant Jets. Journal of Marine Science and Engineering, 7(8), 246.
[11] **Yan, X.**, and Mohammadian, A.*, Chen, X. (2019). Three-dimensional numerical simulations of buoyant jets discharged from a rosette-type multiport diffuser. Journal of Marine Science and Engineering, 7(11), 409, 1-15.

[12] **Yan, X.***, and Mohammadian, A. (2020). Evolutionary prediction of multiple vertical buoyant jets in stationary ambient water. Desalination and Water Treatment, 178, 41-52. DOI: https://doi.org/10.5004/dwt.2020.24938.

[13] **Yan, X.***, and Mohammadian, A. (2020). Prediction of a rosette dense jet group in crossflow ambient conditions using multi-gene genetic programming. Desalination and Water Treatment, 190(2020), 440-448.

[14] **Yan, X.***, and Mohammadian, A. (2019). Evolutionary modeling of inclined dense jets discharged from multiport diffusers. Journal of Coastal Research, 36(2), 362-371.

[15] **Yan, X.***, and Mohammadian, A. (2020). Evolutionary prediction of the trajectory of a rosette momentum jet group in flowing currents. Journal of Coastal Research, in press, DOI: https://doi.org/10.2112/JCOASTRES-D-19-00142.1.

[16] **Yan, X.***, and Mohammadian, A. (2020). Estimating future daily pan evaporation for Qatar using the Hargreaves model and statistically downscaled global climate model projections under RCP climate change scenarios. Arabian Journal of Geosciences (Accepted).