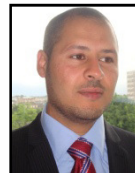


CURRICULUM VITAE Saleh, Salah H. A.

Name	Saleh, Salah H. A.
Title	Dr.
Year of birth	1974
Nationality	Libyan
Profession	Civil Engineer Ph.D.



Professional Education

1999	B.Sc. Civil Engineering, University of Tripoli, Libya.
2005	MS, Civil Engineering, University of Tripoli, Libya.
2013	Ph.D., Civil Engineering, University of Strathclyde, Glasgow, UK.

Languages

	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
Arabic	Native	Native	Native
English	Very good	Very good	Very good

Present Position

Managing Director of AL Mouj for Engineering Consultations, Tripoli, Libya
Project Manager of Maward Consulting Engineers, Tripoli, Libya
Assistant Professor of Civil Engineering, University of Tripoli, Libya.

Years with firm

18

Employment Record

2003 – To date	Project Manager of Maward Consultant Engineers, Tripoli, Libya
2017 – To date	Managing Director of AL Mouj for Engineering Consultations, Tripoli, Libya
2001 – 2006	Teaching Assistant at Civil Engineering Department, University of Tripoli, Libya
2006 – 2015	Assistant Lecturer at Civil Engineering Department, University of Tripoli, Libya
2015 – To date	Lecturer at Civil Engineering Department, University of Tripoli, Libya

Experience Record

2000 – To present	As a Consultant Engineer supervised and managed several engineering projects, including:
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- Planning and design study of Al Maya fishing port
- Planning and design study of Hrawa fishing port
- Planning and design study of Bin Jawaad fishing port
- Planning and design study of Gasriya fishing port
- Planning and design study of Seyahiya fishing port
- Status evaluation of the Tajura fishing port.
- Member of supervising team conducted a comprehensive mathematical modelling study for Al Maya fishing port conducted in the Netherlands.
- Member of supervising team conducted a three dimensional physical modelling study for Al Maya fishing port conducted at Delft Laboratories in the Netherlands
- Supervision of several building units for the Great Man-Made River Project.
- Designing water supply network for residential settlements of Gharian city.
- Designing water supply network for residential settlements of Gaser Akyar city.
- Designing water supply network for residential settlements of Garabulli city.
- Designing water supply network for residential settlements of Rujban city.
- Inspection of completed Breakwaters for the Sirt Commercial Port.
- Construction supervision of the berthing structures for the Sirt Commercial Port
- Planning, study, design, and construction supervision of Al Maya fishing port West of Tripoli.
- Member of planning and studying team conducted the development of Zuwara port project.
- Member of supervising team in the construction of the west breakwater of Tripoli port.

2001 – To present

Assistant Lecturer, Lecturer at Civil Engineering Department, Supervisor of the Hydraulic Laboratory, and Graduate School Coordinator at University of Tripoli, teaching Engineering Mechanics, Fluid Mechanics, Hydraulic Structures, Pipeline and Pipe Networks, and Coastal and Harbour Engineering and supervising several graduate Students in the field of Hydraulics and Hydrodynamics. Research Topics include:

- Steady state pipe flow hydraulics
- Wave propagation and transformation in coastal areas
- Reliability and planning of water supply systems

2010 - 2013

As a Graduate student was a Teaching Assistant at the University of Strathclyde in Civil Engineering Hydraulics. During this time have performed a computational study on the effect of cross-

demand correlation on cost and reliability of water distribution systems. Besides, conducted analytical and numerical studies of planning cost-effective designs of water supply networks.

- 2000-2000 Construction Engineer for Dong AH consortium, supervising the construction of the several building units in the site of Maintenance and Supply Project of Great Man-Made River Project.city
- 2001-2006 As a Senior supervising engineer in the construction of Al Maya Fishing Port, conducted several design studies including Planning Project Utilities of the Port, Designing Slipway Concrete Retaining Walls, Designing the Secondary Breakwater, Designing Toe Protection of the Main Breakwater, and Supervising the mathematical and Physical Modelling Studies for the Port.

Publications / Papers

- 2007 Ghazali, A. & Awedat S. " Use of Prestressed Concrete Cylinder Pipes as Composite Breakwaters: Implementation Criterion" Fluid Structure Interaction and Moving Boundary Problems IV, WIT Transactions on the Built Environment, Vol 92, 2007
- 2008 Ghazali, A. & Awedat S. "Employment of Large Concrete Pipes for Composite Breakwaters" Seventh International Conference on Coastal and Port Engineering in Developing Countries. Dubai, UAE February 24-28, 2008
- 2011 Saleh, S.H.A., and Tanyimboh, T.T., 2011. Global maximum entropy minimum cost design of water distribution systems. 13th International Water Distribution Systems Analysis Symposium, 22-26 May 2011, Palm Springs, California. USA: ASCE, 206-213.
- 2011 Tanyimboh, T.T., Tietavainen, M.T. and Saleh, S.H.A, 2011. Reliability assessment of water distribution systems with statistical entropy and other surrogate measures. *Water Science and Technology, Water Supply*, 11(4), 437-443.
- 2012 Saleh, S.H.A., and Tanyimboh, T.T., 2012. Joint Pipe Size and Reliability Design Optimization of Water Distribution Systems. *10th International Conference on Hydroinformatics*, 14-18 July, 2012 Hamburg.
- 2012 Saleh, S.H.A, Barlow, E., and Tanyimboh, T.T., 2012. Unbiased and accurate assessment of surrogate measures of hydraulic reliability of water distribution systems. *14th Water Distribution Systems Analysis Conference*, 24-27 September 2012 Adelaide, Australia: 148-157.
- 2013 Saleh, S. H. A., and Tanyimboh, T.T., 2013. Coupled Topology and Pipe Size Optimization of Water Distribution Systems. *Water*

- Resources Management*, 27(14), 4795-4814.
- 2014 Saleh, S. H. A., and Tanyimboh, T.T., 2014. Optimal design of Water Distribution Systems based on Entropy and Topology. *Water Resources Management*, 28(14), 3555-3575.
- 2014 Saleh, S. H. A., and Tanyimboh, T.T., 2014. Optimal design of Water Distribution Systems based on Entropy and Topology. *Water Resources Management*, 28(14), 3555-3575.
- 2015 Saleh, S.H.A., and Tanyimboh, T.T., 2015. Multi-Directional Search Strategy to Optimal Designs of Water Distribution Systems. *EWRA2015-9th World Congress on Water Resources*, 10-13 June, 2015, Istanbul, Turkey.
- 2016 Saleh, Salah, and Tanyimboh, T.T., 2016. Multi-Directional Maximum-Entropy Approach to the Evolutionary Design Optimization of Water Distribution Systems. *Water Resources Management*, 30(6), 1885-1901.
- 2016 Tanyimboh, T.T., Siew, C., Saleh, S., and Czajkowska, Anna., 2016. Comparison of Surrogate Measures for the Reliability and Redundancy of Water Distribution Systems. *Water Resources Management*, 30(10), 3535-3552.
- 2018 Saleh, Salah., Alsharif, Mohamed., Elkebir, Ali Ahmed., and Wheida, Edawi., 2018. Evaluation of Residential Water Demand Cross-Correlation in the City of Tripoli. *EngOpt2018- 6th International Conference on Engineering Optimization*. 17-19 September, 2018, Lisbon, Portugal.
- 2019 Saleh, S.H.A., Tanyimboh, T.T., 2019. Effects of spatial correlation of demands on the cost and resilience of water distribution networks: A new design optimization approach. *EWRA2019-11th World Congress on Water Resources*, 25-29 June, 2019, Madrid, Spain.
- 2019 Saleh,S.H.A., Alsharif,M., Elkebir,A.A., Wheida., 2019. Preliminary estimation of spatial and temporal synchronization of water demands in the capital city of Libya. *EWRA2019-11th World Congress on Water Resources*, 25-29 June, 2019, Madrid, Spain.
- 2019 Saleh, S.H.A., Tanyimboh, T.T., 2019. Development of new and seamless surrogate measure of hydraulic reliability of water distribution systems. *EWRA2019-11th World Congress on Water Resources*, 25-29 June, 2019, Madrid, Spain.

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.