CURRICULUM VITAE

Ahmed Khaled Abdella Ahmed

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EDUCATION

2013 - 2017	New jersey Institute of technology, Ph.D. Student. Major: Environmental Engineering
2007 - 2010	Assuit University, Assuit, Egypt, M.Sc. Major: Civil Engineering
2001 - 2006	Assuit University, Assuit, Egypt, B.Sc. Major: Civil Engineering

ACADEMIC EMPLOYMENT

2018 - Present	**Assistant Professor,** Sohag University, Sohag Egypt**.** Instructor for undergraduate students (Civil drawing and Construction-Wastewater Engineering- Water Supply Engineering- Irrigation Engineering).
Fall 2017	**Teaching Assistant**, Mercer Community College, New jersey, USA. lab instructor and tutoring undergraduate students (Introduction to environmental engineering).
Fall 2014 -	**Teaching Assistant**, New jersey Institute of technology, USA.

Fall 2017	lab instructor and tutoring undergraduate students (Strength of materials, Statics, Dynamics, and Introduction to environmental engineering).
March 2010- September 2013	**Assistant Lecturer**, Sohag University, Egypt. Teaching undergraduate students (Water Supply Engineering, Hydraulics, and Irrigation systems).
March 2009 - March 2010	**Demonstrator**, Sohag University, Egypt. Teaching undergraduate students (Water Supply Engineering, Hydraulics, and Irrigation systems).
January 2007 - March 2009	**Demonstrator**, Assuit University, Egypt. Teaching undergraduate students (Civil drawing and Construction-Wastewater Engineering- Water Supply Engineering- Irrigation Engineering- Computer Applications in Structural Analysis-Railway Engineering.)

HONORS AND AWARDS

2017	Civil and Environmental Engineering Doctoral Excellence awarded by New Jersey Institute of technology, NJ, USA.
2017	Poster award in AWWA poster competition for Research Poster entitled: “Generation, Optimization and Characterization of Nano-bubbles for Water Treatment Applications” awarded by AWWA, NJ.
2015	Poster award in AWWA poster competition for Research Poster entitled: “Simulation of Chlorine Decay in Drinking Water Distribution Systems” awarded by AWWA, NJ.

2010	Outstanding graduate student awarded by Sohag university, Egypt.

SEMINARS AND TRAINING

September 2016	Zeta potential - An important parameter for controlling formulation stability and product performance, USA (Webinar).
May 2016	Nanobubbles: What are they, what are their uses and how can I measure them?, USA (Webinar).
August 2015	Professional training on Functions and Charts, Northwest Environmental training center, USA (Training).
October 2009	Share in organization of the International Workshop on Riverbank Filtration for water security in desert Countries held in Luxor-Egypt, (Workshop).
February 2009	Industrial and Sewage Waste-Water Treatment Technology from National Research Center, Egypt, (Workshop).
November 2008	Visual MODFLOW and Groundwater Chemistry from REGWA Company, Egypt, (Training).
August 2008	Remote sensing pro. and Their Applications in environmental, Land and water resources from Vrije University, Brussel, Belgium, (Training).
June 2008	GIS Fundamentals from Information Technology Institute, Egypt, (Training).

August 2007	Training for Laboratory measurements from National Research Center, Egypt, (Training).
July 2007	Applied Hydrogeology Course from REGWA Company, Egypt, (Training).
September 2005	Cemex Training in Assiut Cement Company, Egypt, (Training).
August 2005	Practical training in Tishreen University, Syrian Arab Republic, (Training).

OTHER SKILLS

Excellent Computer Skills- International Computer Driving License (ICDL), AutoCAD with all version, Sap2000, sap. v11, Epanet2.

PUBLICATIONS

Ahmed, A. K. A., Ali, A., Gad, A., & Dardeer, M. (2010). Drinking water quality simulation in Almonsha distribution network. Assiut University Engineering Science Journal, 38(2), 46-70.

Ahmed, A. K. A., & Marhaba, T. F. (2017). Review on river bank filtration as an in-situ water treatment process. Clean Technologies and Environmental Policy, 19(2), 349-359.

Ahmed, A. K. A., Sun, C., Hua, L., Zhang, Z., Zhang, Y., Marhaba, T., & Zhang, W. (2017). Colloidal Properties of Air, Oxygen, and Nitrogen Nanobubbles in Water: Effects of Ionic Strength, Natural Organic Matters, and Surfactants. *Environmental Engineering Science*.

Ahmed, A. K. A., Shi, X., Hua, L., Manzueta, L., Qing, W., Marhaba, T., & Zhang, W. (2018). Influences of Air, Oxygen, Nitrogen, and Carbon Dioxide Nanobubbles on Seed Germination and Plant Growth. Journal of agricultural and food chemistry, 66(20), 5117-5124.

Ahmed, A. K. A., Sun, C., Hua, L., Zhang, Z., Zhang, Y., Zhang, W., & Marhaba, T. (2018). Generation of nanobubbles by ceramic membrane filters: The dependence of bubble size and zeta potential on surface coating, pore size and injected gas pressure. Chemosphere, 203, 327-335.