



General Data

Position: Associate Professor

Name: Sohair Saad Zaghloul

place of birth: Cairo **Nationality:** Egyptian

Marital status: Married

Education:

1989 Ph.D. Irrigation and Hydraulic Department, Civil Engineering, Faculty of Engineering, Ain Shams University, Egypt, in conjunction with Ruhr University, west Germany.
Thesis Title: "The Ideal Operation of Equatorial Lakes to Achieve an Optimal Flow to Jonglei Canal"

1983 M.Sc. Civil Engineering, Faculty of Engineering, Cairo University, Egypt
Thesis Title: "Water Balance of Lake Victoria and the Effects of Gravity"

1981 B.Sc. Civil Engineering, Faculty of Engineering, Zagazig University, Egypt

Languages: Mark 1 to 5 for competence, where 5 is the highest

	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
Arabic		Mother tongue	
English	4	4	4

Memberships: - Arab Water Council

Years of professional experience: 32 years **Years with firm:** since 1981

Key qualifications: Her professional research interest includes Water resources and hydrology, shared water and trans-boundary water issues, integrated water resources management, applying Result Based Management Technique for project performance evaluation and management and projects coordination. She worked in the National Water Research Center as RBM coordinator for the Canadian project NAWQAM, including the work coordination between the project's components and its consultants and stakeholders in order to ensure consistency and effectiveness of activities and deliverables and also Developing a pre-dominance measurement framework for the case study "Impact of Increasing Water Demand on Water Resources Management in El Gharbia Governorate" as an integrated work between the project components and the Palming Sector through NAWQAM Project.



She worked as an associate professor in Water Resources Research Institute in the field of Hydrology and Water Resources Researches concerning the Upper Nile Basin.

Country experience: Egypt.

Employment Record & Experience

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| 2010 – Now | - Associate Professor, Head of Nile Basin Research Section in WRI. |
| 2008 - 2010 | - project coordinator of the Twinning Water Quality Management Project in the Planning Sector, Ministry of Water Resources & Irrigation; as follows:- <ul style="list-style-type: none">• She was in charge of decision-making, monetary issues, supervising and coordinating all staff-related issues.• Her roles as a coordinator include coordination with and between ministries and organizing project activities and expansion.• The post also includes Supervise and coordinate the work of all office staff members, assist in negotiating, designing and formulating partnership activities, Financial monitoring of ongoing projects and activities to ensure efficient and timely delivery of inputs and the realization of the targeted expenditure level.• Establish and monitor annual planning mechanisms and provide input to progress reporting; Liaise and coordinate with Ministries, Implementing Partners, NGOs and other agencies |
| 2007 – 2008 | - Associate Professor in hydrology and water resources researches concerning the Upper Nile Basin, WRI.. |
| 2006 – 2007 | - Associate Professor in the Canadian project NAWQAM, REM coordinator, National Water Research Center. |
| 2002 – 2006 | - Researcher, working for the Canadian project NAWQAM as REM coordinator, National Water Research Center; as follows:- <ul style="list-style-type: none">• Developed a predominance measurement framework for the case study " Impact of Increasing Water Demand on Water Resources Management in El Gharbia Governorate" as an integrated work between the project components and the Planning Sector through NAWQAM Project.• Applied the Results Based Management Method to monitor the performance of the National Water Quality and Availability Management Project (NAWQAM) funded by the Canadian International Development Agency (CIDA) and follow up on project achievements.• Coordinated work between the project's components and its consultants and stakeholders in order to ensure consistency and effectiveness of activities and deliverables• Organizing the stakeholder consultations in cooperating with local consultants for NAWQAM Project and helping in develop the consultation final reports• Developed semi-annual and annual reports for the NAWQAM-CIDA project and reviewed reports produced by the National Water Research Center. |



- 1981 – 1989 - Associate Researcher, Computer Center Supervisor in WRI; as follows:-
- Research Studies on Hydrological Mathematical Modeling and Water Resources Management
 - Establishing the Institute Computer Center and Developing the Computer Programs for all Researches and mathematical Models
 - Teaching Computer Programming Courses, Theoretical and Practical
 - Research Studies on Water Resources and Hydrology
 - Building the Institute Database

Training

Training Courses:

- (1) Enhancing Management Skills Workshop, Feb 14 -28 2005, Ministry of Water Resources and Irrigation, Canadian International Development Agency, Cairo, Egypt.
- (2) Building on Your Strengths Workshop, Sep 28th 2005, Ministry of Water Resources and Irrigation, Canadian International Development Agency, Cairo, Egypt
- (3) Senior Course in Scientific and Technical Writing, Aug 20-24 2005, National Water Quality Monitoring Component, NAWQAM Project.
- (4) Participatory Monitoring and Evaluation using PRA Methods, July 25-30, Mosaic.net International Workshop, Ottawa, Canada.
- (5) Results-based Management, Appreciative Inquiry and Open Space Technology, July 18-22, Mosaic.net International Workshop, Ottawa, Canada
- (6) Participatory Development: Needs Assessment, Planning, Monitoring and Evaluation using PRA Methods, July 11-16, Mosaic.net International Workshop, Ottawa, Canada
- (7) Facilitation Training and Capacity Building, May 29 -June 3 2005, the Center for International Learning, Canadian Foreign Service Institute and the Egypt International Program, CIDA, Program Support Unit
- (8) Applied training on the Dynamic Programming Model in water resources, from June 29 to Sep 30 1985, Ruhr University, West Germany
- (9) The International Advanced Course on Water Resources Management, from Jan 27 to June 27 1984, Ministry of Foreign Affairs and University of Genoa, Perugia, Italy
- (10) The International Course on Water Resources Engineering, from June 15 to September 15 1981, the Institute for Hydraulic Engineering, Faculty of Civil Engineering, University of Belgrade, Yugoslavia.

Publications

- (1) Sohair S. Zaghloul, Hussein Elwan, "An Approach to Improve the Efficiency of Water Reuse at Tertiary Level - Dual Systems", Arab Engineering Conference, Twenty-sixth, 7 – 10 Jan. Jeddah, Saudi Arabia.
- (2) Sohair. S. Zaghloul¹, N. Pacini², Karl Schwaiger³, Pierre Henry de Villeneuve⁴, "Towards A Lake Nasser Management Plan, Results Of A Pilot Test On Integrated Water Resources Management", The Arab Water World Magazine, April, 2011
- (3) Sohair S. Zaghloul, "The Hydrological Characteristics Of The Blue Nile From Deim To Khartoum" Water Science, Scientific Journal of National Water Research, Oct. 2011



- (4) Sohair S. Zaghloul, "The Impact of The Free Crop Pattern at The Middle Delta Area on The Water Distribution System], The Arab Water World Magazine, July 2011.
- (5) Sohair S. Zaghloul, Robert Konecny. "Assessment of Fisheries Impact on the Water Quality of Lake Nasser", The 3rd Global Fisheries and Aquaculture Research Conference, Egypt, 29-30 Nov. 2010.
- (6) Sohair S. Zaghloul, Adel A. Khafagi, "The Connection Between The Upper Nile Projects, Workshop: The Role of Inter-basin Transfers in Accessing Water, World Water Week, STOCKHOLM. 16-22 Aug. 2009
- (7) Sohair S. Zaghloul, Ph.D, Manar Z. El-Beshry, Ph.D, "An Assessment Of The Water Quality Status Of Lake Nasser In Summer", The Third Grmena International Conference & Exhibition on oil & Gas Exploration, 21-24 Feb. 2009
- (8) Sohair S. Zaghloul, "Historical Changes In Water Levels Of Lake Victoria According to Its Hydrological Characteristics", 1st International Conference on Vulnerability and Risk Analysis & Management / 5th International Symposium on Uncertainly Modeling and Analysis, Oct. 2009.
- (9) Sohair S. Zaghloul., El Sersawi, H., El-Moattassem, M., " Assessment of The Hydrological Charactristics of Nile River From Khartoum to Dongola" V Regional Conference on civil Engineering Technology & V International Symposium on Environmental Hydrology, 2007, Cairo, Egypt.
- (10) Sohair S. Zaghloul., Prof. EI-Moattasem, M. , Rady, A. "The Hydrological Interactions Between Atbara River And The Main Nile At The Confluence Area" International Congress River Basin Management 22-24 March 2007 Gloria Golf Resort Hotel Antalya.
- (11) Sohair S. Zaghloul., El-Beshry, M., " Impact of the Results-Based-Management Technique on NAWQAM Project Performance" National Water Quality and Availability Management Project Final Conference February 17-19 2007, Sharm El-Sheikh, Egypt
- (12) Sohair S. Zaghloul. " The Impact of the Free Crop Pattern at the Middle Delta Area on the Water Distribution System" The Third Arab Water Regional Conference to be held in Cairo, Egypt during the period from December 9-11, 2006.
- (13) Sohair S. Zaghloul " Effect of Aswan High Dam on the Nile River Regime at Delta Barrage Area" International sediment Initiative Conference (ISTC), UNESCO Chair in Water Resources, Khartoum, Sudan.
- (14) Sohair S. Zaghloul, EI-Moattasem, M." The Effect of Merowe Dam on the Travel Time of Flood Wave From Atbara to Dongola"1st International Conference on Advances in Engineering and Technology, Entebbe, Uganda.
- (15) Sohair S. Zaghloul., Khafagi, A. " The Nile Basin Initiative as a Guide Example of Regional Cooperation Between the Riparian Countries" 59th Canadian Water Resource Association Annual Conference Toronto, Canada.
- (16) Sohair S. Zaghloul., El-Moattassem M., " Evaluation of Crop Battern Change in Egypt After the Construction of High Aswan Dam" in the Proceedings of the Non-Conventional Water Supplell1letIDg Food Production in the Nile Basin" November 29-30 2005.
- (17) Sohair S. Zaghloul., EI-Moattasem, M., Radi A. A., " The Hydrological Interaction Between the White and Blue Niles" in the Proceedings of the International Conference of Unesco Flanders Fust Friend Nile Project, Towards a Better Cooperation Sbarm-Shiekh-Egypt, November 12-15 2005
- (18) Sohair S. Zaghloul., El-Bahrawy, A. " Feasibility of the Jonglei Canal Project After the Peace Treaty in Sudan: A Technical Perspective" in the Proceedings of the International Conference of Unesco Flanders Fust Friend Nile Project, Towards a Better Cooperation Sharm-Shiekh-Egypt, Novmber 12-15, 2005.



- (19) Sohair S. Zaghloul, " The Impact of Dissolved Oxygen Concentration on Fish Production in Lake Nasser" in the proceedings of the Second Regional Conference on Reflection On Our Future into a new century of water stewardship, Canadian Water Resources Association, June 14-17 2005
- (20) Sohair S. Zaghloul., Mohamed El-Moattesem, "Reduction of the Evaporation From Lake Nasser by Partial Filling its Khors," in the proceedings of the 4th Regional Conference on Civil Engineering Technology and the 4th International Symposium on Environmental Hydrology, June 7-9 2005
- (21) EI-Shinnawi, A., Zaghloul, S., "Factors Affecting the Determinations of the Net Basin Supply of Lake Victoria." , Water Resources Researches Institute, 1985
- (22) Sohair S. Zaghloul., "Effect of the Variability Over Lake Victoria Surface on its Water Balance ," Report 4/84, Water Resources Unit, University of Genoa, 1984

References

Prof. Mahmoud Abu Zeid, the Ex-Minister of Water Resources and Irrigation, MWRI, Imbaba, Giza, Egypt

Prof. Moustafa Gaweesh,
Professor, National Water research Center, Cairo, Egypt

Prof. Aly N. El-Bahrawy
Professor of Hydraulics, Faculty of Engineering, Ain Shams University, Cairo, Egypt

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