

Curriculum Vitae (CV)

Samah Hassan Mahmoud



Personal Information:

Academic Rank: Associate Professor

Department: Civil Engineering

Specialization: Irrigation and Hydraulics Engineering

Position: Associate Professor of Irrigation and Hydraulics Engineering

Google Scholar:

https://scholar.google.com/citations?view_op=new_profile&hl=en&authuser=1

Research Gate: <https://www.researchgate.net/profile/Samah-Abd-2>

ORCID Record: <https://orcid.org/0000-0001-6187-0729>

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Education:

Degree	Discipline	Institution	Year
Associate Professor	Irrigation and Hydraulic	AIN SHAMS UNIVERSITY(HTI)	2023
Ph.D.	Irrigation and Hydraulic	AIN SHAMS UNIVERSITY	2016
M.Sc.	Irrigation and Hydraulic	AIN SHAMS UNIVERSITY	2010
B.Sc.	Irrigation and Hydraulic Civil Engineering	AIN SHAMS UNIVERSITY	2001

Academic Experience:

Institution: HTI, 10th of Ramadan, EGYPT

Rank: Associate Professor

Dates: 2023- present

Rank: Assistant Professor

Dates: 2016- present

Institution: HTI, 10th of Ramadan, EGYPT

Rank: Research Assistant (PhD student)

Dates: 2010- 2016

Institution: HTI, 10th of Ramadan, EGYPT

Rank: Teaching Assistant

Dates: 2008- 2010

Research interests:

- Irrigation and Hydraulic Engineering
- Irrigation Structures
- Water Resources
- Groundwater Hydrology
- Hydrological Studies

Publications:

- 1- "Assessment of national water footprint versus water availability - Case study for Egypt "Alexandria Engineering Journal, Volume 60, Issue 4, August 2021.
- 2- " ASSESSMENT OF IRRIGATION WATER AND WATER DELIVERY PERFORMANCE AT BRANCH CANAL LEVEL IN THE NILE DELTA " INTERNATIONAL JOURNAL OF CIVIL ENGINEERING AND TECHNOLOGY (IJCET) Volume 11, Issue 11, November 2020.
- 3- "Applying different abstraction pattern to achieve better water management ", Alexandria Engineering Journal, Volume 58, Issue 1, March 2019.
- 4- Optimization for Number of Vertical Drainage Wells in Highly Heterogeneous Aquifers – Int. Jr. of Recent Advances in Multidisciplinary Research. Vol. 02, Issue 07, December, 2017
- 5- "SIMULATION OF VERTICAL DRAINS USING NEW TECHNIQUE (CFP)" Al-Azhar University Research magazine, October,2016

6- "Groundwater Mounding Problems in Highly Heterogeneous Aquifers"
International Journal of Scientific & Engineering Research (IJSER), July, 2015

7- "Factors Affecting Groundwater Flow in Aquifers Adjacent To Nile Delta " Ain Shams University Research magazine, Cairo, Egypt, July ,2010.

Certifications or Professional Registrations:

Honors and Awards:

- **B.Sc. in Civil Engineering, Civil Engineering Department, Faculty of Engineering, AIN SHAMS UNIVERSITY, 2001.**
- **M.Sc. in Civil Engineering, Irrigation and Hydraulic Department, Faculty of Engineering, AIN SHAMS UNIVERSITY, 2010.**
- **Ph.D. in Civil Engineering, Irrigation and Hydraulic Department, Faculty of Engineering, AIN SHAMS UNIVERSITY, 2016.**
- **National Authority for Quality Assurance and Accreditation of Education "NAQAAE" /Description of programs and courses for faculties and institutes of higher education.**
- **National Authority for Quality Assurance and Accreditation of Education "NAQAAE" / Teaching strategies for faculties and institutes of higher education.**

- **National Authority for Quality Assurance and Accreditation of Education**
“NAQAAE” /Exam systems and evaluation of learning outcomes for faculties and institutes of higher education.

Teaching Experience:

- Over Fifteen years of academic experience in the fields of Irrigation and Hydraulic engineering; teaching various courses including Fluid Mechanics, Hydraulic structures and Irrigation Works...etc.

Courses taught

- Fluid Mechanics,
- Hydraulic (I),
- Hydraulic (II),
- Irrigation Works Design (I),
- Irrigation Works Design (II),
- Civil Engineering Drawings
- Surface & Groundwater Hydrology
- Groundwater Hydrology,
- Principle in Irrigation and Drainage
- Harbor Engineering.