


FACULTY VITAE

General Information:

Name	Nationality	Photo
Dr. Mahmoud Abo El-Wafa Ahmed Sayed	Egyptian	

Education:

Degree	Discipline	Institution	Year
Bachelors	B.Sc. degree in Civil Engineering	Assuit University, Egypt.	1990
Masters	M.Sc. degree in Civil Engineering	Assuit University, Egypt.	1995
Ph.D.	Doctoral Philosophy Degree, Civil Engineering, Advanced Construction Materials	Okayama University, Japan	2002

Academic Experience:

Institution	Rank/Title	Period	FT/PT
King Abdulaziz University, Rabigh	Associate Professor	2018 to present	FT
King Abdulaziz University, Rabigh	HOD & Associate Professor	2010 to 2018	FT
South Valley University	Assistant Professor	2008 to 2010	FT
Ibaraki University	Assistant Professor	2007 to 2008	FT
South Valley University	Assistant Professor	2002 to 2007	FT
Okayama University	PhD Degree	1999 to 2002	FT
South Valley University	Lecturer	1998 to 1999	FT
Assuit University	Lecturer	1995 to 1998	FT
Assuit University	Demonstrator	1990 to 1995	FT

Non-academic Experience:

Company/Entity	Position	Period	FT/PT
FOE Research and studies Consultant Bureau, Aswan University	Design of Concrete Structures – Consultant Engineer	16 Y	PT
Prof. Abdurahman Megahed Consultant Bureau	Designer Engineer	10 Y	PT

Certification or Professional Registrations:

- Consultant Engineer Certificate for “Design of Concrete Structures”.
- Egyptian Engineers Syndicate.
- Engineers Syndicate Aswan Branch, Egypt.

Current Membership in Professional Organizations:

- Member of the Civil Engineering Department board, Faculty of Engineering - Rabigh, King AbdulAziz University.
- Member of the Studies and Engineering consultations centre of Faculty of Engineering, Aswan University, Egypt.
- Member of the Civil Engineering Department board, Faculty of Engineering, Aswan University.
- Member of the Egyptian Engineers Syndicate
- Member of the Engineers Syndicate Aswan Branch, Egypt.

Honors and Awards:

- Awarded the Certificate of Excellence from Japan Society of Civil Engineers for the distinguished presentation of research achievements in an early comprehensible way during the 10th International Summer Symposium of Japan Society of Civil Engineers, Tokyo, Japan, 2008.
- Awarded the JASSO Follow-up Research Fellowship – Japanese Mission (August 2008 to October 2008) at Construction Materials Lab - Urban & Civil Engineering Dept., Ibaraki University, Japan, because of distinguishable researches in the field of interest of the last five years from receiving the Doctoral Degree, Japan, 2008.
- Awarded the Certificate of Excellence from The Embassy of Egypt in Japan for the distinguished presentation of research achievements in an early comprehensible way during the First Egypt-Japan International Symposium on Science and Technology, EJISST2008, Tokyo, Japan, 2008.
- Awarded the Post Doctor Fellowship - Egyptian Mission from Egyptian Ministry of Higher Education to Japan (November 2007 to July 2008) at Construction Materials Lab - Urban & Civil Engineering Dept., Ibaraki University, Japan, because of distinguishable researches in the field of interest of South Valley University, Egypt, 2007.
- Award from the Engineering Syndicate, Cairo, Egypt, to be a Consultant Engineer in the field of Design of Concrete Structures, Egypt, 2006.
- Awarded the Certificate of Excellence from Japan Society of Civil Engineers for the distinguished presentation of research achievements in an early comprehensible way during the 4th International Summer Symposium of Japan Society of Civil Engineers, Kyoto, Japan, 2002.
- Awarded the scholarship from Egyptian Ministry of Higher Education to study doctoral degree in the Okayama University, Japan (February 1999 to September 2002) because of distinguishable researches in the field of interest of South Valley University, Egypt, 1998.
- Awarded a silver medal from the Engineering Syndicate, Assiut Branch, Egypt, for the attainment of the first rank in the graduated students for the Bachelor Degree of the Civil Eng. Dept., Assiut University, Egypt, 1990.

Service Activities (within and outside the institution):

- Head of Civil Eng. Dept., Faculty of Engineering-Rabigh, King Abdulaziz University.
- Member of Accreditation Committee within Faculty of Engineering-Rabigh.
- Member of the Strategic Plan Unit, Faculty of Engineering-Rabigh.
- Supervision of Concrete and Structural lab, Faculty of Engineering-Rabigh.

Important Publications and Presentations from the Past Five Years:

1. H. A. Maddah, M. Kheimi, and **Mahmoud A. El-Wafa**, “Predictive Regression Models for the Compressive Strength of Fly Ash-based Alkali-Activated Cementitious Materials via Machine Learning”, Engineering, Technology & Applied Science Research (ETASR), Vol. 12, No. 2, pp.8241-8247, 2022, <https://doi.org/10.48084/etasr.4713>.
2. **Mahmoud A. El-Wafa**, and K. Fukuzawa, “Optimization of Alkali-Activated Municipal Slag Composite Performance by Substituting Varying Ratios of Fly Ash for Fine Aggregate”, Materials (MDPI), Vol. 14, No. 21, 6299, pp.1-17, 2021, <https://doi.org/10.3390/ma14216299>.
3. **Mahmoud A. El-Wafa**, “Modern Trends and Developments of New Cement for Sustainability of Construction Materials: A Review”, International Journal of Science and Research (IJSR), Vol. 9, No. 5, pp. 1656-1660, 2020.
4. **Mahmoud A. El-Wafa**, “Cracks Restriction Pertinent to Fiber Reinforced Composites Usage: A Review”, International Journal of Science and Research (IJSR), Vol. 8, No. 8, pp. 1272-1275, 2019.
5. **Mahmoud A. El-Wafa**, and K. Fukuzawa, “Early-Age Strength of Alkali-Activated Municipal Slag-Fly Ash-Based Geopolymer Mortar”, Journal of Materials in Civil Engineering (ASCE), Vol. 30, No. 4, pp. (04018040): 1-9, 2018.
6. **Mahmoud A. El-Wafa**, and K. Fukuzawa, “Simultaneous Effect of Alkali Activator and Water/Slag Cement Ratios on Composites Properties by Full Replacement of Portland Cement”, Journal of Composite Materials (Sage), Vol. 49, No. 10, pp. 1151-1160, 2015.

Most Recent Professional Development Activities:

- Graphic design and photography in digital courses (Deanship of E-Learning and Distance Education – Rabigh - 17th Oct. 2019).
- Creating electronic courses according to international standards (Deanship of E-Learning and Distance Education – Rabigh - 16th Sept. 2019).
- Managing the virtual classroom system (Deanship of E-Learning and Distance Education – Rabigh - 11th Sept. 2019).
- Effective teaching and learning strategies (Deanship of E-Learning and Distance Education – Rabigh – 9th Sept. 2019).
- Employing the Blackboard system in the educational process (University Development Center – Rabigh - 19th Feb. 2019).
- Manage assignments and tests for the Blackboard system (Deanship of E-Learning and Distance Education – Jeddah – 03rd Oct. 2018).