

CURRICULUM VITAE

NAME : Prof. Mohamed Anwar El Sayed Osman
NATIONALITY : Egyptian
BIRTH DATE : 26th November, 1962
PLACE OF BIRTH : Sohag - Egypt
MARITAL STATUS : Married
SEX : Male



MAILING ADDRESS

Construction Research Institute (CRI)
National Water Research Center (NWRC)
Delta Barrage, 13621, Egypt
Tel.: 2-02-42183307, Fax: 2-02- 42188508
Mobile: 2-0128-4198103
e-mail: manwar2611@hotmail.com, maelsayedos@yahoo.com

QUALIFICATIONS

- Bachelor Degree (B. Sc.) in Civil Engineering, 1985, Assiut University, Egypt.
- Master Degree (M. Sc.) in Structural Engineering, 1991, Assiut University, Egypt.
- Doctor Degree (Ph. D.) in Structural Engineering, 1996, “Kyoto University, Japan and Cairo University, Egypt.
- Consulting Engineer, 2002, Quality Control and Structures Testing, Egyptian Engineers Syndicate, Egypt.

PREVIOUS OCCUPATION

- Head, Building Materials Department, Construction Research Institute (CRI), 1996-2004.
- General Secretary, Construction Research Institute, 1997-2002.
- Director, West Delta Water Conservation and Irrigation Rehabilitation Project, Minister’s Office Sector, Ministry of Water Resources and Irrigation, 2007-2012

- Deputy Director, Environment and Climate changes Research Institute (ECRI) National Water Research Center (NWRC), 2012-2013
- Director, Strategic Research Unit (SRU), National Water Research Center (NWRC), April 2013-Dec. 2013
- Director, Construction Research Institute (CRI), National Water Research Center (NWRC), Dec.2013-Jan. 2019.

PRESENT OCCUPATION

Professor, Structural Engineering, Construction Research Institute (CRI), National Water Research Center (NWRC).

MAJOR FIELD

- Construction Engineering Material (Concrete Technology, Supplementary Cementing Materials, and Concrete Durability)

AWARDS

- Japanese scholarship to attend the International Course for Graduate Research Students, Kyoto University, 18 months, Japan, (1992-1994).
- Kyoto university scholarship (Invited Researcher), 6 months, Japan, (1994).
- Medal of best research for the environment protection from the second international conference for building and construction, Cairo, Egypt, 1995.
- Certificate from Minister of Water Resources and Irrigation for the research related to the durability of concrete, Cairo, Egypt, 1995.
- JSPS Postdoctoral Fellowship for Foreign Researchers (Invited Professor), Kyoto University, Japan, (2002-2004).
- Kagawa University Invitation, 6 months, Japan, (2004-2005).
- Akita Prefecture University Invitation, 6 months, Japan, (2006-2007).

ORGANIZATION MEMBERSHIP

- Member, Egyptian Engineers Syndicate
- Member, International Federation for Structural Concrete (fib)
- Member, Japan Concrete Institute, JCI

- Member, Japan Society of Civil Engineers, JSCE
- Member, Arab Water Council

SUPERVISOR

A number of Master and Doctor students at Cairo, Ain Shams, Tanta, and El-Minoufiya Universities, Egypt.

EXAMINER

A number of Master and Doctor students at Cairo, Assiut, Aswan, Helwan, ElAzhar, and El-Minoufiya Universities, Egypt.

PUBLICATIONS

Author of some 71 published papers on structural materials, supplementary cementing materials and concrete technology and many technical reports on different aspects such as structural (bridges, regulators, barrages, dams,...etc.) and geotechnical engineering.

TEACHING EXPERIENCE

- Lecture Assistant, High Technology of Banha Institute (1991-1992)
(Building Materials, Reinforced Concrete Design, Soil Mechanics)
- Lecturer, High Institute of Technology, 6th Oct. City (2000-2001)
(Properties and strength of materials)
- Associate Professor, Minoufiya University, Egypt (2001-2002)
(Geometry of highways design)
- Regional Center for Training and Water Studies, Ministry of Water Resources and Irrigation, 6th Oct. City, El-Menia, and Esna (2000-2002)
(Testing of Construction Materials, Properties of Concrete Materials, Repair and Strengthening of Reinforced concrete Structures)
- Public-Private Partnerships in Basic Irrigation Service
- Application Public-Private Partnerships system in West Delta Water Conservation and Irrigation Rehabilitation Project, Egypt

PROFESSIONAL CAREER

- General Nile Company for Roads and Bridges, (1987-1988)
- Development of Irrigation Structures Project, Ministry of Water Resources and Irrigation, MWRI, (1988-1989)
- Associate Researcher, CRI (1989 -1992)
- Lecture Assistant, High Technology of Banha Institute (1991-1992)
- Research Student, Civil Engineering Department, Kyoto University, Kyoto, Japan, (10/1992 - 3/1994)
- Research Fellow, Civil Engineering Department, Kyoto University, Kyoto, Japan (3/1994 - 9/1994)
- Researcher Associate (Associate Lecturer), CRI (1994 - 1996)
- Researcher (Lecturer), CRI (1996-2001)
- Lecturer, High Institute of Technology, 6th Oct. City (2000-2001)
- Institute General Secretary (1997-2002)
- Associate Professor, CRI (2001-2007)
- Associate Professor, Minoufyia University, Egypt (10/2001-4/2002)
- JSPS Postdoctoral fellow, Kyoto University, Japan (5/2002-4/2004)
- Invited Researcher, Kagawa University, Japan (10/2004-3/2005).
- Invited Researcher, Akita Prefecture University, (10/2006-3/2007), Japan.
- Professor, CRI (from March 2007)
- Director, Project Management Unit, West Delta Water Conservation and Irrigation Rehabilitation Project, Minster office, Ministry of Water Resources and Irrigation (2007-2012).
- Deputy Director, Environment and Climate changes Research Institute (ECRI), National Water Research Center (NWRC), April 2012 – April 2013.
- Director, Strategic Research Unit (SRU), National Water Research Center (NWRC), April 2013-Dec. 2013.
- Director, Construction Research Institute (CRI), National Water Research Center (NWRC), Dec.2013-Jan.2019.

PROFESSIONAL COURSES

- Canal Lining : Design & Execution, NWRC, 1988
- Design of Water Structures, NWRC, 1989
- Foundation Design on Expansive and Collapsing Soils, Colorado State University, Graduate school, U.S.A & NWRC, Egypt, 1989
- Tests for Materials of Construction, NWRC, 1990
- Expert System Applications in Engineering, Colorado State University, Graduate School, U.S.A. and NWRC, Egypt, 1990
- Applications of the Egyptian Code of Practice for Reinforced Concrete Structures, The Egyptian Society for Engineers, 1992
- Civil Engineering in Japan, Technology and Projects International Course for Graduate Research Students, Kyoto University, Kyoto, Japan, (10/1992 - 3/1994)

LIST OF PUBLISHED RESEARCH PAPERS

1. **M. Anwar**, H. Soghair, A. Megahid and M. Fujii, “New Aspects Affecting the Mutual Relation Between Strength and Permeability of Concrete”, Proceeding of the Japan Concrete Institute, Vol. 15, No.1, Kobe, Japan, pp. 1229-1234, June 1993.
2. **M. Anwar**, M. Ismail and T. Miyagawa, “Use of Rice Husk Ash As Supplementary Cementing Material in Concrete”, Water Science, 18th Issue, National Water Research Center, Egypt, pp. 11-17, October 1995.
3. **M. Anwar**, M. Ismail, T. Miyagawa and F. El-Hakeem, “Properties of Concrete Made with Cement Containing Rice Husk Ash”, Third International Conference for Building and Construction, Turning Point for Tomorrow, Cairo, Egypt, Vol. 1, pp. 375-384, June 1996.
4. **M. Anwar**, M. Ismail, T. Miyagawa and F. El-Hakeem, “Evaluation of Rice Husk Ash As a Cement Replacement Material”, Journal of Engineering and Applied Science, Cairo University, Cairo, Egypt, Vol. 43, No. 4, pp. 687 - 700, August 1996.
5. **M. Anwar** and T. Miyagawa, “Permeability and Chloride Diffusion in Blast-Furnace Slag Concrete”, Fourth International Conference for Building and Construction, Turning Point for Building Tomorrow, Cairo, Egypt, Vol. 1, pp. 357-369, June 1997.
6. **M. Anwar**, “Pore Structure of Blast-Furnace Slag Mortar Measured by Mercury Porosimetry”, Al-Azhar Engineering Fifth International Conference, Cairo, Egypt, Vol. 3, pp. 377-348, December 1997.
7. **M. Anwar**, “Properties of Concrete Containing Rice husk Ash as Replacement Cementing Material”, Fifth International Conference for Building and Construction, Turning Point for Building Tomorrow, Cairo, Egypt, pp. 307- 320, June 1998.
8. F. El-Sayed, **M. Anwar** and M. Abd El-Fadeel, “Linear Thermal Coefficient of Expansion of Concrete with Different Types Coarse Aggregate”, Civil Engineering Research Magazine, Al-Azhar University, Egypt, Vol. 20, No. 2, pp. 265-273, June 1998.
9. **M. Anwar** and F. El-Sayed, “Influence of Admixtures and Cement Type on the Concrete Permeability”, Civil Engineering Research Magazine, Al-Azhar University, Egypt, Vol. 20, pp. 255 - 264, June 1998.
10. **M. Anwar**, “Chloride Ion Permeability Into Rice Husk Ash Concrete”, Eighth International Colloquium on Structural and Geotechnical Engineering, Ain Shams University, Cairo, Egypt, Vol. 2, pp. 200-209, December 1998.
11. **M. Anwar**, I. Adam and F. El-Sayed, “Effect of Silica Fume and Chemical Admixtures on Corrosion of Steel Reinforcement in Concrete”, International Conference on Integrated

- Management of Water Resources in the 21st Century, NWRC, Cairo, Egypt, Vol. 2, pp. 612-621, November 1999.
12. **M. Anwar**, “Corrosion Protection by Using Silica Fume and Chemical Admixtures with Concrete”, Civil Engineering Research Magazine, Al-Azhar University, Vol. 22, No. 2, pp. 430 - 443, Egypt, April 2000.
 13. **M. Anwar**, F. El-Sayed and T. Miyagawa, “Properties of Rice Husk Ash Mortar with and without Chemical Admixtures”, Construction Materials and Economic Challengers in Arab World Conference, Cairo, Egypt, Vol. 1, pp. 85-100, April 2000.
 14. **M. Anwar**, T. Miyagawa and M. Gaweesh, “Using Rice Husk Ash as a Cement Replacement Material in Concrete”, Waste Management Series, Vol. 1, Waste Materials in Construction, WASCON 2000, International Conference on the Science and Engineering of Recycling for Environmental Protection, Harrogate, Leeds, UK, pp. 671-684, June 2000.
 15. **M. Anwar**, F. Hossien and E. Khalil, “Effect of Polypropylene Fibers and Chemical Admixtures on Properties of Normally Designed Concrete Mixes”, Civil Engineering Research Magazine, CERM, Al-Azhar University, Vol. 22, No. 4, pp. 1331-1341, Cairo, Egypt, October 2000.
 16. H. Hodhod, **M. Anwar** and A. Makhlof, “Application of Water Hyacinth Ash as Cement Additive”, The Eighth Arab Structural Engineering Conference, Cairo University, Cairo, Egypt, Vol. 4, pp. 1725-1734, October 2000.
 17. F. El-Sayed, **M. Anwar**, and M. Ghazaly, “Effect of Fire on the Compressive Strength of High Strength Concrete Using Different Testes”, The Eighth Arab Structural Engineering Conference, Cairo University, Cairo, Egypt, Vol. 4, pp. 1437-1446, October 2000.
 18. **M. Anwar**, T. Miyagawa and M. Gaweesh, “Studying the Effect of Using a Considerable Proportion of Rice Husk Ash as a cement Replacement on Concrete properties”, First International conference on Ecological building Structure, Santa Sabina, California, USA, July 2001.
 19. **M. Anwar**, F. El-Sayed. and E. Khalil, “Properties of Rubberized concrete Incorporating Local Egyptian Materials”, Civil Engineering Research Magazine, Al-Azhar University, Vol. 24, No. 1, pp. 61-73, Cairo, Egypt, June 2002.
 20. E. Ibrahim, A. Kalifa, **M. Anwar** and S. Kamel “Deterioration of Concrete Water Structures due to Steel Reinforcement Corrosion under Chloride Environmental Pollution”, 17th National Conference on Environmental Studies and Research, Institute of Environmental Studies & Research, Faculty of Engineering, Ain Shams University, Cairo, Egypt, ISSN 1110-0826, Vol. 6, No. 1, pp.103-114, April 2003.

21. **M. Anwar**, “Properties of Silica Fume Concrete with Different Curing Methods” Civil Engineering Research Magazine, CERM, Al-Azhar University, Vol.25, No. 2, Cairo, Egypt, pp. 1109-1121, April 2003.
22. H. Hodhod, **M. Anwar** and A. Makhlouf, “Effect of Water Hyacinth ASH on Properties of Concrete”, Civil Engineering Research Magazine, CERM, Al-Azhar University, Vol. 25, No. 2, Cairo, Egypt, pp. 549-560, April 2003.
23. H. Hodhod, **M. Anwar** and A. Makhlouf, “Durability of Water Hyacinth Ash Concrete”, Engineering Research Journal, Helwan University, Faculty of Engineering, Mataria, Vol. 87, Cairo, Egypt, pp. C144-C156, June 2003.
24. **M. Anwar**, “The Influence of the Cement Type, Water to Cementitious Material Ratio, and Curing Procedure on the Properties of Concrete”, 10th International Exhibition and Conference for Building and Construction, Inter Build, Egypt, pp. 787-799, June 2003.
25. M. Kamal, Y. Shaheen, **M. Anwar**, and T. El-Samni, “Properties of Concrete Incorporating Rice Straw Ash (RSA) with Different Types of Cements”, Fourth CRED Conference, Minoufiya University, Shebin El-Kom, Egypt, pp. 1116–1133, September 2003.
26. M. Kamal, Y. Shaheen, **M. Anwar**, and T. El-Samni, “Behavior of R.C Beams Having Rice Straw Ash (RSA) as a Partial Cement Replacement”, Fourth CRED Conference, Minoufiya University, Shebin El-Kom, Egypt, pp. 1134-1151, September 2003.
27. M. Kamal, Y. Shaheen, **M. Anwar**, and A. Omran, “The Resistance of Concrete Containing Water Hyacinth ASH (WHA) to Aggressive and Destructive Surrounding Conditions”, Fourth CRED Conference, Minoufiya University, Shebin El-Kom, Egypt, pp. 1098-1115, September 2003.
28. M. Kamal, S. Elhamrawy, **M. Anwar**, and F. Mohamed, “Properties and Fields of Application of Rubberized Concrete”, Fourth CRED Conference, Minoufiya University, Shebin El-Kom, Egypt, pp. 1332-1350, September 2003.
29. **M. Anwar**, “The Effects of Type of Cement and Curing Methods on the Pore Structure of Concrete”, First International Conference, Computational Methods in Materials Characterization 2003, Santa Fe, New Mexico, USA, pp. 287-296, November 2003.
30. **M. Anwar**, “Properties of Concrete Containing Supplementary Cementing Materials with Time”, Fifth Alexandria International Conference on Structural and Geotechnical Engineering, Alexandria, Egypt, Pp. MT115-MT126, December 2003.
31. **M. Anwar** and T. El-Samni, “Effect of Elevated Temperature on the Properties of Concrete Incorporating Rice Straw Ash with Different Types of Cement”, Fifth Alexandria

- International Conference on Structural and Geotechnical Engineering, Alexandria, Egypt, MT91-MT102, December 2003.
32. M. Abdel Mohsen, E. Khalil, **M. Anwar** and T. Fawez, “Experimental Investigation of Fiber Reinforced Concrete Members”, Fifth Alexandria International Conference on Structural and Geotechnical Engineering, Alexandria, Egypt, pp. MT49-MT58, December 2003.
 33. M. Abdel Mohsen, E. Khalil, **M. Anwar** and T. Fawez, “Evaluation of the Flexural Strength of Reinforced Fiber Reinforced Concrete Members”, Fifth Alexandria International Conference on Structural and Geotechnical Engineering, Alexandria, Egypt, pp. MT59-MT71, December 2003.
 34. **M. Anwar** and T. El-Samni “Influence of Rice Straw Ash (RSA) on Sulphate Resistance of Mortar with Different Types of Cement”, International Conference on Structural & Geotechnical Engineering and Construction Technology, IC-SGECT ‘04, Mansoura, Egypt, pp. 693- 706, March 2004.
 35. **M. Anwar**, M. I. Abu-Khashaba and E. A. Khalil, “Chloride Permeability and Pore Structure Study of Concrete Containing Rice Husk Ash”, Civil Engineering Research Magazine, CERM, Al-Azhar University, Cairo, pp. 960-978, Egypt, April 2004.
 36. H. Hodhod, **M. Anwar** and A. Makhlof, “Inspection of WHA Mortar and Concrete Using Scanning Electron Microscope (SEM)”, Fourth International Engineering Conference, Mansoura University, Sharm El-Shiekh, Egypt, pp. C313-C322, April 2004.
 37. **M. Anwar**, “Chloride Profiles in Five Concrete Mixes Containing Cementitious Materials”, Fourth International on Concrete under Severe Conditions: Environment and Loading, Seoul, Korea, Vol. 1, pp. 337-344, June 2004.
 38. **M. Anwar**, I. Adam, “Durability of Environment Friendly Concrete”, Water Science, 36th Issue, National Water Research Center, Egypt, pp. 58-67, October 2004.
 39. M.A.N. Abdel-Mooty, **M. Anwar** and A. S. Hashad, “Locating Damage in Bridge-Like Structures Using Vibration Modes Nodal Points Shifts”, Third Egyptian Conference on Earthquake Engineering, Cairo University, Cairo, Egypt, pp. 166-180, December 2004.
 40. **M. Anwar** and A. Makhlof, “The Relationship between Soluble and Total Chloride Contents in Concrete Containing Cementitious Materials”, Civil Engineering Research Magazine, CERM, Al-Azhar University, Cairo, Egypt, pp. 190-197, January 2005.
 41. **M. Anwar** and T. Miyagawa, “Effect of Type of the Cementitious Materials on Properties of Concrete with different Curing Methods”, 12th International Exhibition and Conference for Building and Construction, Inter Build, Egypt, pp. 243-252, June 2005.

42. **M. Anwar**, “Carbonation of Blast-Furnace Slag and Silica Fume Concretes with Different Curing Methods”, Engineering Research Journal, Helwan University, Faculty of Engineering, Mataria, Cairo, Egypt, Vol. 99, pp. C80-C91, June 2005.
43. **M. Anwar**, “Effect of Cementitious Materials on Concrete against Sulfate Attack”, Engineering Research Journal, Helwan University, Faculty of Engineering, Mataria, Cairo, Egypt, Vol. 99, pp. C92-C104, June 2005.
44. A. El-Ashaal, **M. Anwar** and S. Raoof, “Relation between Mechanical and Physical Properties of Rock at Toshka Region” Civil Engineering Research Magazine, CERM, Al-Azhar University, Vol. 27, No. 3, Cairo, Egypt, pp. 919-935, Oct. 2005.
45. **M. Anwar**, “Concrete Properties of Ternary Cementitious Systems Containing Fly Ash and Silica Fume”, HBRC Journal, Housing & Building National Research Center, Giza, Egypt, Vol. 2, No. 1, pp. 1-10, Jan. 2006.
46. K. Sakai, **M. Anwar**, M. Ishii, “Performance of Concrete Containing Portland Cement, Fly Ash and Silica Fume”, Kenji Sakata Symposium on Properties of Concrete, CANMET/ACI International conferences (ACI Council), Montreal, Canada, pp. 53-67, June 2006.
47. **M. Anwar**, I. Adam, “Sulfate Resistance and Carbonation of Fly Ash Concrete”, HBRC Journal, Housing & Building National Research Center, Giza, Egypt, Vol. 2, No. 2, pp. 7-16, August 2006
48. **M. Anwar** and T. El-Samni, “Physical and Chemical Properties of Rice Straw Ash and its Effect on the Cement Past Produced from Different Cement Types”, Journal of King Saud University (Engineering Sciences), Vol. 19, No. 1, Riyadh, Saudi Arabia, 2006.
49. **M. Anwar**, K. Sakai, “Chloride Ion Permeability and Sulphate Resistance of Concrete with Ternary Cementitious Systems”, Fifth International conference on Concrete under Severe Conditions: Environment and Loading, Tours, France, June 2007.
50. **M. Anwar**, K. Yamada, “Effect of curing Method on the Properties of Blast–Furnace Slag Concrete”, HBRC Journal, Housing & Building National Research Center, Giza, Egypt, Vol. 3, No. 1, pp. 1-12, April 2007.
51. M. Anwar, K. Yamada, “Sulfate Resistance of Blast-Furnace Slag Concrete with Different Curing Methods”, 12th ICSGE, Ain Shams University, Cairo, Egypt, 2007.
52. Safwat Abdel-Dayem, **Mohamed Anwar** and Ahmad Rashad, “Public-Private Partnerships in Basic Irrigation Service West Delta Water Conservation and Irrigation Rehabilitation Project (Egypt)”, 3rd International Conference on Water Resources and Environment, Riyadh, Saudi Arabia , Nov. 2008.

53. **M. Anwar**, I. Adam, "Chloride Ion Permeability into Blast-Furnace Slag Concrete with Different Curing Methods", Water Science, National Water Research Center, Egypt, April 2011.
54. Mounir M. Kamel, **Mohamed A. Elsayed**, Ihab A. Adam, Mohamed R. Afify, Mostafa A. Mostafa, "Effect of Mixture Composition on Shrinkage of Self-Compacting Concrete", Eighth Conference of Egypt Rural Development Water, energy and variables climate, Faculty of Engineering, Minoufiya University, 23-25 October 2012.
55. Mounir M. Kamel, **Mohamed A. Elsayed**, Ihab A. Adam, Mohamed R. Afify, Mostafa A. Mostafa, "Creep Behavior of Self-Compacting Concrete", Eighth Conference of Egypt Rural Development Water, energy and variables climate, Faculty of Engineering, Minoufiya University, 23-25 October 2012.
56. Mounir M. Kamel, **Mohamed A. Elsayed**, Ihab A. Adam, Mohamed R. Afify, Mostafa A. Mostafa, "Influence of Mixture Composition on Pore Structure of Self-Compacting Concrete", Eighth Conference of Egypt Rural Development Water, energy and variables climate, Faculty of Engineering, Minoufiya University, 23-25 October 2012.
57. **Mohamed Anwar**, Mahmoud Roushdi, Hany Mustafa, "Investigating the Usage of Environmental By-Product Materials in Concrete for Sustainable Development" Australian Journal of Basic and Applied Sciences, 7(9): 132-139, 2013 ISSN 1991-8178.
58. **Mohamed Anwar**, Mahmoud Roushdi, "Improvement Concrete Properties to Resist the Saline Water Using Environmental By-Product" Water Science, 27 (2013) 30-38.
59. Kamal, M. M. **Osman**, **M.A. ADAM**, I.A. Safan, M. A., Shokir, A. I. "Influence of Self-Curing Agents on the Characteristics of Self-Curing Self-Compacting Concrete", Civil Engineering Research Magazine, Al-Azhar University, Egypt, Vol. 37, No. 4 pp. 171-188, 2015.
60. Eehab Ahmed Badreldin Khalil, **Mohamed Anwar**, "Carbonation of Ternary Cementitious Concrete Systems Containing Fly ash and Silica Fume" Water Science, 29 (2015) 36-44.
61. **M. Anwar**, Dina A. Emarah, "Pore Structure of Concrete Containing Ternary Cementitious Blends", Results in Materials Journal, vol.1, pp. 1-7, 2019.
62. **M. Anwar**, Dina A. Emarah, "Resistance of Concrete Containing Ternary Cementitious Blends to the Chloride Attack and Carbonation", Journal of Materials Research and Technology, 9 (3), pp. 3198-3207, 2020.

- 63. M. Anwar**, Aly A. Makhlof, "Performance of Fly Ash Concrete against Sulfate Attack", Journal of Engineering Sciences, Assiut University, Faculty of Engineering, Vol. 49, No. 2, March 2021, PP. 178 - 197.
- 64. M. Anwar**, Dina A. Emarah, "Durability of Blast-Furnace Slag Cement Concrete with Different Curing Methods", Journal of Engineering Sciences, Assiut University, Faculty of Engineering, Vol. 50, No. 5, Sept. 2022, PP. 276 – 291.
- 65. M. Anwar**, A. Shokir, M. Omar, "Influence of Using Fly ash and Silica Fume on the Concrete Performance against Chloride Attack", Journal of Engineering Sciences, Assiut University, Faculty of Engineering, Vol. 50, No. 6, Nov. 2022, PP. 325-334.
- 66. M. Anwar**, Aly A. Makhlof, Mostafa A. Mostafa, "Properties of Fiber Reinforced Cementitious Composites Including Glass Powder", 3rd International Conference on Innovative Building Materials, Advances in Nuclear Power Plant Mixtures, Housing and Building National Research Center, Cairo, Egypt, December 25-27, 2022, PP. 1-13.
- 67. M. Anwar**, Mahmoud Hussein Mohamed, "Effect of Using Silica Fume on Concrete Performance against Sulfate Attack", International Conference on Advances in Structural and Geotechnical Engineering, ICASGE'23, 6-9 March 2023, Hurghada, Egypt.
- 68. M. Anwar**, Dina A. Emarah, Aly A. Makhlof, " Performance of Portland Cement and Sulfate Resisting Cement Concretes against Chloride Attack under different Curing Methods" Faculty of Engineering – Sohag University, Sohag Engineering Journal (SEJ) VOL 3, NO. 1, March 2023, PP. 87-96.
- 69. M. Anwar**, Dina A. Emarah, "Chloride Permeability through different specimen surfaces of Blast-Furnace Slag Cement Concrete with and without Air-Entraining Agent", Journal of Applications in Engineering Science, Volume 15, September 2023, 100134.
- 70. M. Anwar**, A.M. Anwar, Dina A. Emarah "Structural Assessment of Heritage Hydraulic Structures - Case Study" 3rd International Conference on Civil Engineering, ICCE 2023, Civil Engineering Department, Assiut University, 24-27 October 2023, Hurghada, Egypt.

71. M. Anwar, Dina A. Emarah, Mostafa A. Mostafa, "Effect of Curing Procedure on Mechanical and Microstructural of Three Different Concrete Types", under publication.

M. Sc. & Ph. D. THESES SUPERVISION

I am sharing the supervision of the following M. Sc. & Ph. D theses:

1. **Ph. D Thesis**, “Improving the Properties of Concrete Using Different Admixture”, Cairo University, 1996-1997, and the student received scholarship from Japan for Ph. D and got his degree from Okayama University in 2001.
2. **Ph. D Thesis**, “Evaluation of Water Hyacinth Ash as a Replacement Cementing Material”, Faculty of Engineering, Cairo University, 1999-2002, the student got his degree.
3. **Ph. D Thesis**, “Early Detecting for Structure Defaults Using Modal Testing” Faculty of Engineering, Cairo University, 2001-2004, the student got his degree.
4. **M. Sc. Thesis**, “Practical Evaluation of the Flexural Behavior of Reinforced Fiber Reinforced Concrete Members”, Faculty of Engineering, Tanta University, 1999-2004, the student got his degree.
5. **M. Sc. Thesis**, “Deterioration of Concrete Water Structures Due to Steel Reinforcement Corrosion under Chloride Environmental Pollution”, Environmental Research Institute, Faculty of Engineering, Ain Shams University, 2000-2004, the student got his degree.
6. **M. Sc. Thesis**, “Feasibility of Using Rice Straw in Concrete Manufacture”, Faculty of Engineering, El-Minoufiya University, 2000-2003, the student got his degree.
7. **M. Sc. Thesis**, “Feasibility of Using Water Hyacinth as Concrete Admixtures”, Faculty of Engineering, El-Minoufiya University, 2000-2003, the student got his degree.
8. **M. Sc. Thesis**, “Properties of Rubberized concrete”, Faculty of Engineering, El-Minoufiya University, 2000-2003 the student got her degree.
9. **Ph. D Thesis**, “Modulus of Elasticity, creep, shrinkage and durability of self Compacting Concrete” Faculty of Engineering, El-Minoufiya University, the student got his degree in Feb. 2012.
10. **Ph. D Thesis**, “Development of innovative self-curing self-consolidating concrete” Faculty of Engineering, El-Minoufiya University, 2012-2016 the student got her degree.