**INTERNATIONAL SCIENTIFIC MISSIONS**

Scientific mission to Ryerson University, Canada, April 2008

**POSTGRADUATE AND RESEARCH ACTIVITIES**

1. Supervising twelve postgraduate students, three of them were awarded PhD and seven were awarded M.Sc degree.
2. Academic supervisor for many postgraduate students.
3. Contributing to the research plan of Civil Engineering Department, Faculty of Engineering in Shoubra, Benha University.
4. Carrying out several researches in different fields, assessment and treatment of concrete made with alkali aggregate, evaluation the fresh and mechanical properties treated with corrosion inhibitors, performance of high performance concrete subjected to high temperatures and fire, factors affecting the efficiency of curing compounds applied to R.C. made with Cement Replacement Materials, assessment the various aspects of fresh, mechanical, mass transport and microstructure of self compacting concrete; and , characterization of the different properties of reinforced concrete incorporating rice husk Ash, slag and dealuminated kaolin.
5. Teaching and developing different postgraduate courses, e.g., Microstructure of Engineering Materials, Mass Transport Properties of Concrete, Protection of R.C. Structures; and, Special Studies.
6. Member of many Examiner’s Committees for Postgraduate students in many Egyptian Universities.

**INTERNATIONAL SCIENTIFIC ACTIVITIES**

1. Member of Organizing Committee of The 1st International Conference in Materials Science and Engineering, Faculty of Engineering in Shoubra, Benha University, Feb. 2016.
2. International scientific committee member and chairperson 6th of the Asia Pacific Structural Engineering and Construction Conference 2006, APSEC 2006, Malaysia, September 2006.
3. International scientific committee member, 7th Asia Pacific Structural Engineering and Construction Conference, APSEC 2009 & 2nd European Asian Civil Engineering Forum EACEF, Indonesia, August 2009
4. International scientific committee member of the 8th Asia Pacific Structural Engineering and Construction Conference, APSEC 2012 & 2nd European Asian Civil Engineering Forum EACEF, Malaysia, Sept. 2012
5. International scientific committee member of 9th of theAsia Pacific Structural Engineering and Construction Conference, APSEC 2015, Malaysia, October 2015.
6. Reviewer to many International Journals , such as ACI materials, Building and Construction Materials, Magazine of Concrete Research , Concrete International, and Concrete Research Letters.
7. Reviewer to many regional and international conferences in Arab and South East Asian countries.
8. Reviewer for many Asian and African Universities for promotion their academic staff.
9. Reviewer, Egyptian Scientific Committee for Promotion of Associate Professors and Professors.

**ATTENDED INTERNATIONAL CONFERENCES**

1. 5th International Colloquium, Concrete in Developing Countries, Cairo, Egypt, 1993.

2- III Regional Conference on Civil Engineering Technology and III International Symposium

on Environmental Hydrology, ASCE-EGS, Cairo Egypt, April 2002.

3- 9th Arab Structural Engineering Conference, Emerging Technologies in Structural

Engineering, UAE, December, 2004.

4- International RILEM Meeting on Science and Engineering of Building Materials, Egypt,

April 2005.

5- 10th Arab Structural Engineering Conference, Kuwait, November 2006.

6- 6th Asia Pacific Structural Engineering and Construction Conference APSEC 6, Malaysia

2006.

7- 7th Asia Pacific Structural Engineering and Construction Conference 2009, APSEC 2009 & 2nd European Asian Civil Engineering Forum EACEF, Malaysia, August 2009.

8- International Workshop on Advanced Materials for Sensors, Electronic Devices and

Renewable Energy, Najran University, Saudi Arabia, 2012.

1. Funded Research Projects for Young Researchers”, A workshop organized by Benha

University and Faculty of Engineering at Shoubra, January 2016.

1. The 1st International Conference in Materials Science and Engineering, Faculty of Engineering in Shoubra, Benha University, Feb. 2016.

**PUBLICATIONS**

1. Abdelalim, A. M. K., Ahmed, H. E. and Abdelaziz, G. E., "The effect of dual action of chlorides and sulphates on the corrosion potential and concrete compressive strength, weight and length changes", 5th International Colloquium, Concrete in Developing Countries, Cairo, Egypt, 1993, pp. 1105-1117.
2. Okba, S. H., Ahmed, H. E and Abdelaziz, G. E., "The effect of chloride and sulphate ions on the corrosion potential of reinforcement", 5th international Colloquium Concrete in Developing Countries, Cairo, Egypt, 1993, pp. 1058-1069.
3. Abdelaziz, G.E., "Evaluation of fresh and Mechanical properties of self-compacting concrete", III Regional Conference on Civil Engineering Technology and III International Symposium on Environmental Hydrology, 8-10 April, 2002, ASCE-EGS, Cairo, Egypt.
4. Abdelaziz, G.E. and El-Sayad, H.E., "Effect of retempering on consistency, compressive strength and durability related properties of OPC, silica fume and fly ash concrete in Egypt", Civil Engineering Research Magazine, Civil Eng. Dept., Al-Azhar University, Cairo, Egypt, Vol. 24, No 4, pp. 1460-1477, October 2002.
5. Abdelaziz, G.E." Permeation and microstructure characteristics of self-compacting concrete incorporating silica fume", Engineering Research Journal, Faculty of Engineering , Mataria, Helwan University, Cairo Egypt, Vol. 84, pp. 1-14, December 2002.
6. Abdelalim, A.M.K., Abdelaziz, G.E and Zahran, Z., "Fresh and mechanical properties of the cementitious materials containing rice husk ash", Engineering Research Journal, Faculty of Engineering , Mataria, Helwan University, Cairo Egypt, Vol. 84, pp. 15-28, December 2002.
7. Abdelaziz, G.E., Elmohr, M.K. and Ramadan, M.O., "Reliability and significance of Schmidt hammer readings in assessing the strength and variability of concrete", Engineering Research Journal, Faculty of Engineering , Mataria, Helwan University, Cairo Egypt, Vol. 85, pp. 15-26, February, 2003.
8. Abdelalim, A.M.K., Abdelaziz, G.E., Fawzy, A. and Zahran, R., "Role of pozzolanic materials on the degradation processes of reinforced concrete in severe conditions", 9th Arab Structural

Engineering Conference, Emerging Technologies in Structural Engineering, Abu Dhabi, UAE , pp. 1141-1148, Nov. 29-Dec. 1, 2003.

1. Abdelaziz, G.E. and Page, C.L., " Factors controlling the mechanism of electro-chemical realkalisation", Engineering Research journal, Shoubra Faculty of Engineering, Zagazig University, Egypt, Volume 1, pp. 16-30, June 2004.
2. El-Sayad, H.I. and Abdelaziz, G.E., "A new approach for controlling the slump loss in ready mixed concrete", Engineering Research Journal, Faculty of Engineering , Mataria, Helwan University, Cairo Egypt, Vol. 94, pp.C96-C112, August 2004.
3. Abdelalim, A.M.K., Abdelaziz, G.E. and Zahran, R. "Transport and microstructure properties of rice husk ash concrete", Scientific Bulletin of Faculty of Engineering, Ain Shams University, Vol. 39, No 3, pp. 21-34, September, 2004.
4. Abdelalim, A.M.K., Abdelaziz, G.E. and Mousa, S., "Damage of silica fume and ground granulated blast furnace slag mortars due to heat cycles", Scientific Bulletin of Faculty of Eng. Ain Shams University, Egypt, Vol. 40, No 4, December 2005, pp. 135-152.
5. Abdelaziz, G.E., "Effect of application time of water-based curing compound on strength, hardness, sorpativity and porosity of blending concretes", 6th Asia Pacific Structural Engineering and Construction Conference APSEC 6, 5-6 Sept 2006, Kuala Lumpur, Malaysia.
6. Abdelalim, A.M.K., Abdelaziz, G.E. and Fawzy, Y., "Effectiveness and mechanism of corrosion inhibiting admixtures", 10th Arab Structural Engineering Conference, 13-15 November, 2006 – Kuwait
7. Abdelalim, A.M.K., Abdelaziz, G.E. and Fawzy, Y., " Study of sodium mono-fluro phosphate as a remedial treatment for reinforcement corrosion", Scientific Bulletin of Faculty of Eng. Ain Shams University, Egypt, Vol. 42, No 3, Sept. 2007.
8. Abdelalim, A.M.K., Abdelaziz, G.E., M.O. Ramadan and H. I. Ahmed, “A study on the mechanical activation of Egyptian slag”, Journal of Engineering and Applied Science, Faculty of Engineering, Cairo University, Vol. 55, No 3, pp. 223-241, June 2008.
9. Abdelalim, A.M.K., Abdelaziz, G.E., M. O. Ramadan El Haririand H. I. Ahmed “Some Durability Aspects Of Mortar Incorporating Local Activated Water-Cooled Slag”, Ain Shams Journal of Civil Engineering (A S J C E), Vol. 1, No. 1, March, 2009, 12 pp.
10. Radwan, R. Z., Shehata, M. H., Abdelaziz, G.E., El Hariri, M. O. R. and Abdelalim, A. M. K., “The Impact of Expansion due to Alkali-Carbonate Reaction on Engineering Properties of

Concrete” 1st International/1st Engineering Mechanics and Materials Specialty Conference” Proceedings of the Annual Conference of the Canadian Society for Civil Engineering, St. John’s NL, Canada, May 26-30, 2009, IEMM-011-1 - IEMM-011-10.

1. Abdelalim, A.M.K., Abdelaziz, G.E., El-Mohr, M.A.K and Salama, G.A., "Effect of aggregate type on the fire resistance of normal and self-compacting concretes", Engineering Research Journal, Faculty of Engineering , Mataria, Helwan University, Cairo Egypt, Vol. 122, C47-C62, June 2009.
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4. Abdelaziz, G. E., “Utilization of used-engine oil in concrete as a chemical admixture”, HBRC Journal, Housing and Building National Research Centre, Egypt, Vol. 5, No 3, Dec. 2009.
5. Abdelaziz, G. E., "A study on the performance of lightweight self-consolidated concrete", Magazine of Concrete Research, Vol. 62, Issue 1, pp. 39-49, January, 2010.
6. G. E. Abdelaziz, A. M.K. Abdelalim, H Y Ghorab, M. S. Elsayed**, "**Characterization of OPC Matrix Containing Dealuminated Kaolin**",** Concrete Research Letters, Vol 1, No 4 (2010)
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9. Abdelaziz, G. E. and Ali, M. A. “INNOVATIVE TECHNIQUE FOR ENHANCING THE CHARACTERISTICS OF CEMENTITIOUS MATERIALS CONTAINING BLAST FURNACE SLAG”, The 1st International Conference in Materials Science and Engineering, Faculty of Engineering in Shoubra, Benha University, Egypt, Feb. 2016.
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**PERSONAL DETAILS**

**Nationality** : Egyptian **Date of birth** : 30/3/1965  **Status**: Married

**REFERENCES**

Available on request.