



### ***Curriculum Vita***

Full Name	Mohamed Mohamed Elwan
Nationality	Egyptian
Date and Place of Birth	17.2.62. Belbies-Sharkia. Elwan St.
Social Status	Married
Present Job	Professor in Ceramics Head of Speciality Ceramics, Refractories and Cement Technology. Head of Chemical Engineering Department Deputy of Tabbin Institute Metallurgical Studies Rector of Tabbin Institute Metallurgical Studies (TIMS) 2012/2013
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Qualifications	Ph.D. degree in Ceramics and building Materials Kazakh Architectural and Building Academy Almaty, Kazakhstan Thesis title Improving Properties of Ceramic Bricks Consist of Egyptian Clays 15.3.1996. M.Sc. degree in building material Faculty of Science Zagazig University. Egypt Thesis title. Some Physico-mechanical Properties of Sand-Lime Bricks Containing Industrial Wastes 23.8.1989. B.Sc. Special Chemistry. Faculty of Science Zagazig University-Egypt. May 1986.
Employment	Professor in chemical engineering department at 11.4.2007 Prof. assistant in chemical engineering department at 25.9.2001 Lecturer in chemical engineering department 1996. Lecturer assistant in chemical engineering department. Tabbin Institute for Metallurgical Studies 1990.
Experience	Teaching, Experimental Laboratory, Researches, Training ( Recycling of Solid Wastes in Ceramics and Building Materials, Chemistry and Cement Technology, Blended Cements, Grinding aids in cement production, Non Portland Cement, Clay Bricks by Water Curing, Inorganic Chemistry, Refractories and their uses , Clays and Application , Slag and its Application in Ceramics and Building Materials , Solid Waste Management, Phase Rule, Properties of material.
Current researches	Recycling of solid Wastes Industry for Production Ceramic Tiles, Bricks and Cement.

### **List of publications**

- 1- Effect of homra powder as a substitution of quartz sand in sand-lime products, A.S.Taha, M.G.Abd El-Wahed, M.M.Elwan, Bulletin (TIMS), 56, July, P.19, 1990.
- 2- Some factors affecting the properties of sand-lime-homra products, A.S.Taha, M.G. Abd El-Wahed, M.M.Elwan, Silicates Industriels. V. 56, No.7-8, P.153, 1991.
- 3- Recycling of some Egyptian industrial solid wastes in clay bricks, M.M.Elwan, M.S.Hassan, Industrial Ceramics, V. 18, No. 1, P. 1, 1998.
- 4- Suitability of carbonaceous shale and clay in the preparation of building bricks. H.El-Didamony, M.M.Elwan, H.Lotfalla Industrial Ceramics, V. 18, No. 2, P. 81, 1998.
- 5- Effect of mode of shaping on the physico-mechanical properties of clay bricks, M.M.Elwan, H.El-Didamony, Industrial Ceramics, V. 19, No. 1, P. 1, 1999.
- 6- Physico-mechanical properties of basalt-clay bricks, E.A.El-Alfi, A.G.Othman, M.M.Elwan, Industrial Ceramics,V. 19, No. 3, P. 1, 1999.
- 7- Effect of by-pass cement dust on the properties of clay bricks, M.M.Elwan , D. Abd El-Aziz, H.El-Didamony, Ceramic Silikaty, V. 43, No. 3, P. 117, 1999.
- 8- Recycling of phosphogypsum by product in clay bricks, M.M.Elwan, Industrial Ceramics, V. 20, No.1, P.5, 2000, and Ceramurgia , Marzo, 1, 2001.
- 9- Anorthite in tile bodies based on air cooled blast furnace slag, D.Abd El-Aziz, M.M.Elwan, D.M.Ibrahim, Ceramica Acta, V. 12, No.3, P.32, 2000.
- 10- Effect of sand and By-pass cement dust as non- pastic material in clay bricks, M.M.Elwan, E.A.El-Alfi, H.El-Didamony Industrial Ceramics,V. 21, No.2, P.87, 2001,and Ceramurgia , Aprile, 1-2, 2001
- 11- Influence of substitution of natural gypsum by phosphogypsum on the properties of portland cement, H.El-Didamony , E.A.El-Alfi , M.M.Elwan, Silicates Industriels.V. 67, No. 1-2, P.9, 2002.
- 12- Preparation of clay bricks under water curing, M.M.Elwan, E.A.El-Alfi, H.El-Didamony, International Ceramics, April, P.57, 2002.

- 13- Effect of some grinding aids on the grindability of Portland cement, M.M.Elwan ,G.A.Mahmoud, H.El-Didamony , Silicates Industriels, V. 67, No. 11-12, P. 141, 2002.
- 14- Limestone, granulated slag and sand in pozzolanic filled cement, M.M.Elwan, Silicates Industriels, V. 68, No.11-12, P. 131, 2003.
- 15- Characterization of fired sewage sludge and using in clay bricks, M.M.Elwan, International Ceramics, August , P. 45, 2004.
- 16- Effect of solid waste sludge on the properties of clay bricks manufacture, M.M.Elwan, A.I.Aid, H.K.El-Etriby, International Ceramics, June , P. 33, 2005.
- 17- Activated slag bricks , M.M.Elwan , E.A.El-Alfi , H.El-Didamony , Silicates Industriels, 70, No. 5-6, P. 67, 2005.
- 18- Suitability of Egyptian carbonaceous clays for the production of insulating bricks, M.M.Elwan , M.S.El-Maghraby, Industrial Ceramics, V.26, No. 3, P.195, 2006.
- 19- Effect of grain size distribution , moulding pressure and aggressive attack on the activated slag bricks, M.M.Elwan, E.A.El-Alfi, H.El-Didamony, First Scientific Environmental Conference, Zagazig University,13-14 June 2006 and published in Silicates Industriels , V. 72, No.7-8, P. 113, 2007.
- 20- Resistivity of sulfate resisting filled pozzolanic cement pastes in sea water , E.A.El-Alfi, M.M.Elwan, M.H.Aly, Bulletin (TIMS),87,P.1,January 2006,and published in Silicates Industriels, V. 72, No. 9-10, P. 149, 2007.
- 21- Charaterization of rice straw / ash and using in clay bricks, M.M.Elwan, M.S.Attris, A.A.Mahmoud, S.A.Salem, First Scientific Environmental Conference, Zagazig University, 13-14 June 2006, and published in Silicates Industriels ,V. 72, No. 11-12 , P.183, 2007.
- 22- Durability of the low heat Portland cement pastes containing limestone and or natural gypsum in sea water, M.H. Aly, E.A. El-Alfi, and M.M. Elwan , Bulletin of Tabbin Institute for Metallurgical Studies, V.90, July, P.12, 2007
- 23- Effect of curing medium on the physico-mechanical properties of alkali activated slag (AAS),Elwan,M,M. El-Didamony,H ,Hafeez,S.M. Refractories, worldforum 4(2012).
- 24- Recycling of agricultural wastes as pore forming and energy saving in clay bricks manufacture, Elwan,M.M, Eid, A.I.

International Journal for Scientific Research in Agricultural Sciences ( IJSRAS), The fifth international conference coordinators of AUSDE entitled ( Water, Energy, Climate and Food Nexus in the Arab countries , P. 106.15-16-3-2015

- 25- Aggressive attack of sea water on composites containing metakaoline H. Abu Elnaga, M.M. Elwan, E.A. El-alfi, ARPN. Journal of Engineering and Applied Science V.15, No.15, August 2020