

# CURRICULUM VITAE, Korhan ERDOĞDU

**Address** : Mutlukent Mah. 1987.Sok No:6,  
Cayyolu, Çankaya / ANKARA  
TURKEY  
**Phone** : + 90 312 472 9130  
**Fax** : + 90 312 472 9336  
**Email** : korhar@dogakoruma.com.tr

## A - PERSONAL DETAILS

Name Surname : Korhan ERDOĞDU  
Date of Birth : September 25, 1973  
Place of Birth : Ankara, Turkey – Turkish Citizen  
Marital Status : Married since 2002 – with a son born in 2006.

## B - EDUCATION

### Ph.D., Civil Engineering

June 2002 – Middle East Technical University (www.metu.edu.tr), Civil Eng. Dept., Materials of Construction Division, Ankara, Turkey  
“Hydration and Properties of Limestone Incorporated Cementitious Systems”

### M.Sc., Civil Engineering

January 1996 – Middle East Technical University, Civil Eng. Dept., Materials of Construction Division, Ankara, Turkey  
“Effects Of Pozzolanic Additions on Grindability And Some Mechanical Properties Of Pozzolanic Cements with Different Fineness Values”

### B.Sc., Civil Engineering

June 1994 – Middle East Technical University, Civil Eng. Dept., Ankara, Turkey

## C - WORK EXPERIENCE

### Current Position:

- Since February 2015 – Consultant Engineer, Contractor and Trader in Cement Sector internationally in his own business at Cemtech Global Engineering Inc. – www.cemtechglobal.com – 50% Partner.
- Since October 2001 – Consultant Engineer, Contractor and Trader in Cement Sector internationally in his own business at Pers Materials of Construction Ltd. (100% partner), and Doga Koruma Teknolojileri Ltd. (42% partner)
- Since September 2001 – Part time instructor in Middle East Technical University, Civil Eng. Dept.. The courses offered by him temporarily:
  - Materials of Construction: An undergraduate course.
  - Cement Replacement Materials: An elective course for graduate students. Since 2008 Spring.

### Previous Experiences:

- May 1996 – October 2001 - Chief Engineer in Turkish Cement Manufacturers' Association R&D Institute (www.tcma.org.tr). Main activities were;
  - Organise and conduct researches. Main research field includes grindability of raw mixes of blended cements, effects of mineral additions for cement and concrete, microstructure of cementitious systems in relation with other properties.

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- Supply technical consultancy for member cement factories and their ready mix concrete plants on standards, usage of mineral and chemical additions, solution of product problems.
  - Give lectures to engineers from government agencies and private sector on cement technology.
  - Manage routine testing and measurement activities including bimonthly quality control of 52 member cement factories.
  - Organise interlaboratory studies to test and compare compatibilities of the laboratories of member cement factories.
- September 1994 - May 1996, Research Assistant in Middle East Technical University, Civil Engineering Department, Materials of Construction Division.
- Involved in a project of Turkish Cement and Ceramic Industry Organization on grindability of pozzolanic cements containing most common fly ashes, blastfurnace slag and natural pozzolans of Turkey.
  - Organise laboratory courses and routine jobs of the division.
- November 1996 - July 2000, Part time consultant engineer at ISTAS Cement Grinding Plant, Ankara (capacity 250.000 ton/year) and Ready Mix Concrete Plant, Ankara (capacity; 450.000 m<sup>3</sup>/year).
- Introduced first high lime fly ash usage in concrete industrially in Turkey.
  - Established a quality control system and follow up customer complaints.
- December 2001 – May 2007, Partner and general manager of Ash Plus Yapı Malzemeleri A.S. in Soma Power Plant, Soma, Balıkesir
- Fly ash producer for ready mix concrete plants

## D - IMPORTANT ACTIVITIES

- 1996–2001, Member of Editorial Board of technical journal of Turkish Cement Manufacturers' Association "Cement and Concrete World".
- 1996–2001, Instructor in the training activities of Turkish Cement Manufacturers' Association. Has given education and seminars to tens of Turkish engineers from governmental agencies and cement factories. Also has given education to engineers from Northern Africa and Middle East in international training activities. Topics: Cement standards, cement testing and measurement, microstructure of cementitious systems, properties of fresh and hardened concrete, effects of mineral additions in cement and concrete, selection of cementitious materials.
- June 2001, Completed a PhD course in Technical University of Denmark, "Behavior and Performance of Early Age Concrete", 140 hr.
- In 1997 and 2000, Member of Organisation Committee of two International Symposiums organized by Turkish Cement Manufacturers' Assoc. in Istanbul, Turkey. Hosted internationally well-known invited speakers, i.e. F.Massazza, K.Mehta, S.L.Sarkar, O.E.Gjorv, R.N.Swamy, S.Nagataki, S.P.Shah.

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### E - ADDITIONAL SKILLS AND INTERESTS

- Very good at English. Basic Farsi and French understanding.
- Certified Microsoft Office, Word, Excel, Power Point, Access, Custom Mail, Custom Schedule user.
- Interested in Turkish Traditional Music. Plays Turkish Sufi instrument "Ney".
- Took part in activities in Middle East Technical University Turkish Music Chorus.
- Interested in archeology and evolutionary physiology.

### F- IMPORTANT PUBLICATIONS

1. M.Oner, K.Erdogdu, A.Gunlu, " Effect of Components Fineness on Strength of Blast Furnace Slag Cement ", Cement and Concrete Research, Vol. 33, No:4, pp 463-469, 2003.
2. K.Erdogdu, M.Tokyay, P.Türker, "Comparison of Intergrinding and Separate Grinding for the Production of Natural Pozzolan and GBFS Incorporated Blended Cements", Cement and Concrete Research, Vol. 29, No:5, pp743-746, 1999.
3. K. Erdogdu, P.Türker, "Effects of Fly Ash Particle Size on Strength of Portland Cement Fly Ash Mortars", Cement and Concrete Research, Vol. 28, No:9, pp 1217-1222, 1998.
4. P.Türker, K.Erdogdu, B.Erdogan, "Investigation on Fire Damaged Concrete with Different Aggregates", Proceedings of 23<sup>rd</sup> International Conference on Cement Microscopy, Albuquerque, New Mexico, April 2001, Organized by International Cement Microscopy Assoc.
5. P.Türker, K.Erdogdu, "Effects of Limestone Addition on Microstructure and Hydration of Cements", Proceedings of 22<sup>nd</sup> International Conference on Cement Microscopy, Montreal, Canada, April 2000, Organized by International Cement Microscopy Assoc. – Also published in Int. Cement & Lime Journal in 2001, Vol.1, Issue 2 as per the request and permission of the Microscopy Assoc.
6. P.Türker, B.Erdogan, K.Erdogdu, "Effects of Marble Waste Addition on Microstructure and Hydration of Cements", Cement and Concrete Technology in the 2000s, Istanbul, 6-10 September 2000.
7. K.Erdogdu, P.Türker, "Comparison Of The Usage Of Fine And Ground Coarse Size Fractions Of Fly Ash In Blended Cement Production", Proceedings of 7<sup>th</sup> Euroseminar on Microscopy Applied to Building Materials, Delft, Netherlands, June 1999.
8. P.Türker, K.Erdogdu, "Influences of Separate and Intergrinding the Raw Materials of Blended Cements on Hydration", Proceedings of 21<sup>st</sup> International Conference on Cement Microscopy, Las Vegas-Nevada, USA, April 1999, Organized by International Cement Microscopy Association.
9. K.Erdogdu, M.Tokyay, H.Öztürk, "Grindability of Pozzolan Cements", Proceedings of 6<sup>th</sup> National Seminar on Performance Enhancement by Use of Fly

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Ash, Blastfurnace Slag and Silica Fume in Cement and Concrete, New Delhi, India, January 1998.

10. M.Tokyay, K.Erdogdu, "Slags and Slag-Cements, State of the Art Report", May 1997, 34 pages, in Turkish.
11. M.Tokyay, K.Erdogdu, "Characterization of Turkish Fly Ashes - An Experimental Study", August 1998, 70 pages, in Turkish.
12. K.Erdogdu, M. Tokyay, P. Türker, "Natural Pozzolans and Cements with Natural Pozzolans - State of the Art Report", June 1999, 61 pages, in Turkish.
13. K.Erdogdu, "Selection of Cementitious Material in Hydraulic Structures", Conference organized by State Hydraulic Works, June 1998, Ankara, in Turkish.
14. K. Erdogdu, "Evaluation of the Blaine fineness Results of Interlaboratory Studies for Turkish Cement Sector", Cement and Concrete World, Journal, No. 11, 1998, in Turkish.

## G- SOME ACTIVITIES AFTER 2001

All these below activities were done by Korhan Erdogdu or under the following companies of which Korhan Erdogdu is a partner:

- Pers Yapı Malzemeleri Ltd. – Korhan Erdogdu's 100% company,
- Doga Koruma Teknolojileri Ltd. – 24% partnership of Pers Yapı Malzemeleri Ltd.

- 2001 - Soma Fly Ash Separation Plant with 400.000 ton fly ash production capacity. (Partner of Investor Company, responsible for design, installation, start up, marketing and management) – The first fly ash supplier of Turkey promoting and initiating fly ash usage in ready mix concrete industry in Turkey extensively (the plant was sold to one of the leading Turkish cement groups in May 2007).
- 2002 – 2004, Çatalagzi Fly Ash Separation Plant with 300.000 ton fly ash production capacity (Partner of investor company, responsible for design, installation, start up, marketing and management). The plant was turned over by Turkish Government Electricity Authorisation after about 10 years as per the contracts.
- 2004, Designer of Batman Gypsum Factory with 180.000 ton/year product capacity, as a part of an Engineering Group.
- 2006 - Supplier of 2 ball mills, 2 separators for a grinding plant with 200 ton/hr cement capacity in Portugal as a partner of an international joint venture with Lebanese Bulkgroup Inc. In addition, personally one year full time supervision and consultancy for installation, maintenance-repair, operation and optimisation of the supplied equipment in Portugal.
- Supplier of several ball mills, separators and machineries for cement production (as a partner, part of joint venture or alone) since 2005, especially for the projects contracted by him or his partnerships.

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- 2001 – 2007, International supplier of cement and raw materials as a trader, such as clinker, fly ash, blastfurnace slag, natural pozzolan and kaolin. Every year handles about 150.000 ton bulk raw material internationally. This business is complimentary for factory operation and contracting businesses.
- 2010, partner, turn key contractor and operator of Fly Ash Grinding Plant of Cayirhan Mineral Additive Ltd. In Ankara. The plant has 2x20 ton/hr mills and grinds fly ash to make it suitable to use in concrete. Ankara's only and Turkey's biggest fly ash plant.
- Under the shelter of several partnerships as a leading technical partner, completed about 80.000.000 USD cement grinding center projects as turn key contractor in Tunisia, Cameroun, Guinea and Mozambique.

I hereby declare that all the information given in this CV are correct and can be proved officially.

All activities of Korhan Erdogdu is now consolidated and conducted under the shelter of Cemtech Global Engineering Inc., a Turkish contractor and investor company. 50% of this company belongs to Korhan Erdogdu.

Activities can be seen on [www.cemtechglobal.com](http://www.cemtechglobal.com).

Korhan Erdogdu  
Civil Engineer, PhD, MSc, BSc  
April 2017