



## **CURRICULUM VITAE**

**Name and Surname** : Khaled Marar  
**Employment Status** : Full Time, Assoc.Prof.Dr. (Eastern Mediterranean University, Department of Civil Engineering)  
**Nationality** : TRNC  
**Date of Birth** : 3<sup>rd</sup> July 1965  
**Gender** : Male  
**Marital Status** : Married  
**No. of Children** : 2  
**Permanent Address** : Gazimağusa, Çanakale Mah., Kuğulu Sok., Arken 18, D. 4, Mersin 10 Turkey, TRNC  
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## **EDUCATIONAL QUALIFICATIONS**

<b><u>Department/University</u></b>	<b><u>Year</u></b>	<b><u>Subject</u></b>
Civil Engineering/Eastern Mediterranean University -TRNC	2000	Ph.D.
Civil Engineering/Eastern Mediterranean University - TRNC	1994	M.Sc.
Civil Engineering/Eastern Mediterranean University - TRNC	1988	B.Eng.

## **THESIS TITLES**

1. M.Sc. Thesis: “Effects of Crushed Stone Dust on Various Properties of Concrete”, Department of Civil Engineering, Eastern Mediterranean University, 1994.

2. Ph.D. Thesis: “The Effect of Steel Fibers on Some Properties of Normal and High Strength Concrete”, Department of Civil Engineering, Eastern Mediterranean University, 2000.

### **WORK EXPERIENCE**

<b><u>Name of Employer</u></b>	<b><u>From</u></b>	<b><u>To</u></b>	<b><u>Type of Work</u></b>
Eastern Mediterranean University /Department of Civil Engineering	06/03/1989	14/10/1994	Materials of Construction Laboratory assistant
Eastern Mediterranean University /Department of Civil Engineering	01/09/1994	01/9/1999	Ph.D. research assistant. Courses taught at EMU:
Eastern Mediterranean University/Construction Department of Working Capital	01/9/1999	07/07/2000	Construction Supervisor
Eastern Mediterranean University/ Department of Civil Engineering	06/10/2000	13/2/2001	Part-Time Lecturer of CE 101 Civil Engineering Drawing
Cyprus International University (CIU)/ Department of Civil Engineering	01/10/2001	01/10/2003	Chairman, Department of Civil Engineering (Assist. Prof.)
European University of Lefke (EUL)/Department of Civil Engineering	06/10/2003	05/11/2006	Chairman, Department of Civil Engineering (Assist. Prof.)
European University of Lefke (EUL)/Department of Civil Engineering	25/06/2010	01/09/2015	Associate Professor, Department of Civil Engineering
Eastern Mediterranean University/ Department of Civil Engineering	15/09/2015	Present	Associate Professor, Department of Civil Engineering

## **EXPERIENCE**

1. Teaching, tutoring & presenting academic material in the field of Civil Engineering.
2. Preparing and operating the laboratory sessions in the fields of materials of construction.
3. Senate Member.

## **COURSES TAUGHT AT EASTERN MEDITERRANEAN UNIVERSITY, EUROPEAN UNIVERSITY OF LEFKE, CYPRUS INTERNATIONAL UNIVERSITY**

Introduction to the Profession, Materials Science, Principles of Transportation and Traffic Engineering, Concrete Technology, Engineering Graphics, Materials of Construction, Engineering Economy, Construction Engineering and Management, Introduction to Calculus I, Cement Replacement Materials, Advanced Materials of Construction, Soil Mechanics, Reinforced Concrete Fundamentals, Total Quality Management, Admixtures for Concrete, Technology of Ready Mixed & Precast Concrete, Advanced Concrete, Statics, CAD, Engineering Drawing, High Strength Concrete, Admixtures for Concrete, Fiber Reinforced Concrete, Repair and Maintenance of Concrete.

## **RESEARCH INTERESTS**

- Building Materials
- High strength concrete
- Fiber reinforced concrete
- Concrete technology
- Concrete making materials
- Cement replacement materials

## **REFEREED INTERNATIONAL JOURNAL PUBLICATIONS**

1. Çelik, T., Marar, K., “Effects of Crushed Stone Dust on Some Properties of Concrete”, Journal of Cement and Concrete Research, Vol. 26, No. 7, Elsevier Science Publications, June, pp. 1121-1150, 1996. (Science Citation Index)
2. Eren, Ö., Marar, K., and Çelik, T., “Effects of Silica Fume and Steel Fibers on Some Properties of High Strength Fiber Reinforced Concrete”, Journal of Testing and Evaluation, ASTM, Vol. 27, No. 6, November, pp. 380-398, 1999. (Science Citation Index)
3. Marar, K., Eren, Ö., and Çelik, T., “Relationship Between Impact Energy and Compression Toughness Energy of High Strength Fiber Reinforced Concrete”, Materials Letters, Elsevier Science Ltd., Vol. 47, Nos. 4-5, February, pp. 297-304, 2001. (Science Citation Index)

4. Marar, K., Eren, Ö., and Çelik, T., “Relationship Between Flexural Toughness Energy and Impact Energy of HSFRC”, *Materiales De Construccion*, Instituto Eduardo Torroja, CISC, Madrid, Spain, Vol. 51, No. 262, April/May/June, 2001, pp. 5-13. (Expanded Science Citation Index)
5. Eren, Ö. And Marar, K., “Effects of Limestone Crusher Dust and Steel Fibers on Concrete”, *Construction and Building Materials Journal*, Elsevier Science Ltd., In Press, 2008. (Science Citation Index)
6. Eren, Ö. and Marar, K. “Effect of Steel Fibers on Plastic Shrinkage Cracking of Normal and High Strength Concretes”, *Materials Research-IBERO American Journal of Materials*, vol.13, No. 2, pp.135-141, 2010. (Expanded Science Citation Index)
7. Marar, K., Eren, Ö., and Yitmen, İ., “Compression specific toughness of normal strength steel fiber reinforced concrete (NSSFRC) and high strength steel fiber reinforced concrete (HSSFRC)”, *Materials Research-IBERO American Journal of Materials*, vol.14, No. 2, pp.135-141, 2011. (Expanded Science Citation Index)
8. Marar, K., and Eren, Ö., “Effect of Cement Content and Water-Cement Ratio on Fresh Concrete Properties Without Admixtures”, *International Journal of the Physical Sciences*, Volume 6, No. 24, pp. 5752-5765. (Science Citation Index Expanded)
9. İbrahim Yitmen, İlknur Akiner, Khaled Marar, “Reviewing Building Construction Statistics in Turkey: Stakeholder’s Perspective”, *Habitat International*, Volume 36, No. 3, July 2012, pp. 371-379. (Social Science Citation Index).
10. Eren Ö., Marar K., İltter O., and Çelik T., “Experimental Study on Engineering and Thermal Properties of Mortar and Plaster Produced With Pumice Aggregate”, *American Society of Testing and Materials, Journal of Testing and Evaluation*, Vol. 43, No.6, Nov., 2015, pp. 1361-1371. (Science Citation Index) DOI: 10.1520/JTE20130345.
11. Yalçiner H. and Marar K., “Experimental Study on the Bond Strength of Different Geometries of Corroded and Uncorroded Reinforcement Bars”, *ASCE Journal of Materials in Civil Engineering*, Vol. 29, No. 7, July, 2015, pp. 1-10.
12. Marar K., Eren Ö. Roughani H., “The Influence of Amount and Aspect Ratio of Fibers on Shear Behaviour of Steel Fiber Reinforced Concrete”, *KSCE Journal of Civil Engineering*, Vol. 21, No. 4, May, 2017, pp. 1393-1399.
13. Abubakar, A. U., Akçaoğlu, Tülin, and Marar, K., “P-value Significance Level Test for High-performance Steel Fiber Concrete (HPSFC)”, *Computers and Concrete*, Vol. 21, No. 5, 2018, pp. 485-493. (Expanded Science Citation Index)

## **REFREED CONFERENCE PUBLICATIONS**

1. Çelik, T., Marar, K., and Ekdal, M., “KKTC’de Beton Agregaları”, İyi Beton, 26-28 Eylül, Lefkoşa, 1990, pp. 170-184.
2. Marar, K., Eren, Ö., and Çelik, T., “Effects of Dust in Aggregates on Some Properties of Concrete”, Advances in Civil engineering, Vol. II, 25-27 October, 1993, Gazimağusa, Turkish Republic of Northern Cyprus, pp. 1092-1099.
3. Ramyar, K., Çelik, T., and Marar, K., “Taş Tozunun Beton Özelliklerine Olan Etkileri”, Endüstriyel Atıkların İnşaat Sektöründe Kullanılması, 29-30 Kasım, 1995, TMMOB, İnşaat Mühendisleri Odası, Ankara, Turkey, pp. 227-236.
4. Çelik, T., Döven, G., Marar, K., and Ö. Eren, “The Effect of Calcined Clay on Some Properties off Concrete When Used for Partial Replacement of Cement”, 5<sup>th</sup> International Conference on Concrete Technology for Developing Countries”, National Council for Cement and Building Materials, 17-19 November, New Delhi, pp. I 61-71, 1999.
5. Eren, Ö., Çelik, T., and Marar, K., “Comparison of Concrete Compressive Strength Determined by Schmidt Hammer Test, Ultrasonic Pundit and Crushing Value”, 25<sup>th</sup> Silver Anniversary Conference on Our World in Concrete and Structures, Editor C. T. Tam, Singapore, Vol. XIX, 22-24 August, pp. 287-292, 2000.
6. Eren, Ö., Marar, K., and Çelik, T., “Measuring Impact Resistance of High Strength Steel Fiber Reinforced Concrete”, II International Symposium on Cement and Concrete Technology in the 2000’s, Editor Asım Yeğınobalı, Istanbul, Turkey, 6-10 September, Vol. II, pp. 562-571, 2000.
7. Marar, K., Ramyar, K., Eren, Ö., and Çelik, T., “Influence of Aggregates Grading, Fineness Modulus and Maximum Aggregate Size on the Compressive Strength of High Strength Concrete”, 4<sup>th</sup> International Congress on Advances in Civil Engineering, Editors Y. C. Toklu and F. Erbatur, ACE 2000, 1-3 November, Gazimağusa, Turkish Republic of Northern Cyprus, Vol. II, pp. 943-952, 2000.
8. Çelik, T., Döven, G., Marar, K., and Ö. Eren, “Yanmış Killarin Mineral Katkı Olarak İkamisinin Bazı Beton Özelliklerine Olan Etkileri”, 4<sup>th</sup> International Congress on Advances in Civil Engineering, ACE 2000, Editors Y. C. Toklu and F. Erbatur, 1-3 November, Gazimağusa, Turkish Republic of Northern Cyprus, Vol. II, pp. 533-542, 2000.
9. Marar, K., and Çelik, T., “Flexural Toughness Energy and Impact Energy of High Strength Fiber Reinforced Concrete”, 4<sup>th</sup> International Congress on Advances in Civil Engineering, ACE 2000, Editors Y. C. Toklu and F. Erbatur, 1-3 November, Gazimağusa, Turkish Republic of Northern Cyprus, Vol. III, pp. 1305-1314, 2000.

10. Marar, K., and Çelik, T., “The Influence of FRI on the Relationship Between Compressive and Tensile Strength of NSFRC and HSFRC”, 6<sup>th</sup> International Conference on Concrete Technology for Developing Countries, Vol. II, 21-24 October, 2002, Amman, Jordan, pp. 527-536.
11. Marar, K., and Çelik, T., “Prediction of Steel Fiber Reinforced Concrete Flexural Strength from Its Compressive Strength”, 3<sup>rd</sup> International Symposium, Creating the Future, 25-26 November, Lefke, Gemikonagi, KKTC, pp. 191-194.
12. Altunay, C., Eren, O., and Marar, K., “Reliability of Compressive Strength Values Determined by Non-Destructive Tests”, 3<sup>rd</sup> International Symposium, Creating the Future, 25-26 November, Lefke, Gemikonagi, KKTC, pp. 195-199.
13. Altunay. C; Hatay, T.; Eren, Ö.; Çelik, T.; ve Marar, K. “Farklı Taşocaklarından Alınan Numunelerin Performans Değerlendirmesi”, 1. Taşocakları Kongresi, KKTC Jeoloji ve Maden Dairesi, KTMMOB Maden Metalurji, ve Jeoloji Mühendisleri Odası, 12-14 Ocak 2005, Lefkoşa, KKTC, pp. 149-156.
14. O. Eren, K. Marar and T. Celik, “Natural building cut stones of North Cyprus: Melusa and Karpaz stones”, Proceedings of the 4<sup>th</sup> FAE International Symposium, Lefke, North Cyprus, Nov-Dec 06, Vol I, pp 167-170.
15. K. Marar, O. Eren, and I. Yitmen, “Compression Specific Toughness of Normal Strength Steel Fiber Reinforced Concrete (SFRC)”, Proceedings of 6<sup>th</sup> FAE International Architecture and Engineering Symposium – CENG’10 Civil and Environmental Engineering, 25 – 26 Nov 2010, Gemikonağı, Lefke, TRNC, pp. 27-30.
16. İbrahim Yitmen, Khaled Marar, İlknur Akiner, “İnsaat Sektöründe Uluslararası Stratejik Ortaklık Olusum Süreci ve Ortak Seçim Kriterleri: Kuzey Kıbrıs Perspektifi”, 1. Proje ve Yapım Yönetimi Kongresi, ODTÜ, Ankara, 29 Eylül-1 Ekim, 2010, pp. 988-998.
17. Marar K., Eren Ö. and Yalçiner H., “Compressive Strength and Modulus of Elasticity of Fiber Reinforced Concrete”, Proceedings of the 7<sup>th</sup> FAE International Architecture and Engineering Symposium – CENG’12 Civil and Environmental Engineering, 29 – 30 Nov 2012, Gemikonağı, Lefke, TRNC, pp. 23-29.
18. Eren Ö, Marar K., Altay A. and Okman M., “Properties of Mortar Containing Waste Glass as Fine Aggregates”, Proceedings of the 7<sup>th</sup> FAE International Architecture and Engineering Symposium – CENG’12 Civil and Environmental Engineering, 29 – 30 Nov 2012, Gemikonağı, Lefke, TRNC, pp. 35-40.
19. Mogbo, O. B., Yitmen İ., Marar K. and Yapıcıoğlu B., “Innovative Strategies for Transport Policies in Infrastructure Development”, Proceedings of the 7<sup>th</sup> FAE International Architecture and Engineering Symposium – CENG’12 Civil and Environmental Engineering, 29 – 30 Nov 2012, Gemikonağı, Lefke, TRNC, pp. 90-94.

20. Yardımcı, T., Marar, K., “Strengthening Cost Prediction of Reinforced Concrete Buildings Subjected to Corrosion”, Chairman Nuno M.M. Maia, Proceedings of the International Conference on Structural Engineering Dynamics, ICEDyn, 22 – 24 June 2015, Lagos, Portugal.
21. Abubakar, A. U., Akçaoğlu T. and Marar, K. “Impact Resistance of High-Performance Steel Fiber Concrete under Long Term Exposure to Environmental Conditions”, The 3<sup>rd</sup> International Conference on Civil Engineering and Materials Science (ICCEMS 2018), C.W. Lim and Xiaohong Zhu Editors, Vol. 206, Chengdu, China, April 13-15, 2018.

### **RESEARCH PROJECTS**

1. Joint Project with Department of Civil Engineering of EMU on checking the quality of Gravel and Aggregates produced in North Cyprus (2005).
2. “Challenges in Turkish Property Sector and Housing Market Under Changing Economic Conditions: A New Approach for the Contribution of Preparation, Adaptation, and Improvement Studies During the Transition Process of Mortgage System”, (Project Director, EUL, Dec. 2005-Dec. 2006). Funded by TUBITAK (SOBAG-105K002).

### **MASTER THESIS SUPERVISED**

1. Utku Erkan, "Critical Factors Affecting the Processes of Alliance Project Organizations: a North Cyprus Perspective", Fall 2008-09, EUL.
2. Ali Asghar Ashrafi Soltan Ahmadi, “Effects of Quartz Powder as a Partial Replacement of Cement on Fresh and Hardened Properties of Normal and High Strength Concretes”, January 2018, EMU.
3. Mohamad Naser Aldin Borghol, “Effect of Polystyrene as a Partial Replacement of Normal Coarse Aggregate on Fresh and Hardened Properties of Self-Compacting Concrete”, May 2018, EMU.
4. Mohamad ALzohbi, “Effects of Waste Polyethylene Terephthalate as a Partial Replacement of Normal Coarse Aggregate on Fresh and Hardened Properties of Concretes”, May 2018.
5. Abdul Hadi Alzaylaa, “Effect of High Density Polyethylene Plastic (HDPE) and W/C Ratio on Fresh and Hardened Properties of Self-Compacting Concrete”, August 2018, EMU.
6. Lu'ai Mohammad Hamad Al-Qatamin, “Experimental Study on the Effects of Addition of Polypropylene Fibers on Mechanical Properties of High Strength and Normal Strength Concrete”, January 2019, EMU.

### **PhD THESIS SUPERVISED (CO-SUPERVISOR)**

1. Abdulhameed Umar, Abubakar, “Microcracking Behavior in High Performance Steel Fiber Concrete under Uniaxial Compression”, July 2018.

### **CONFERENCES ORGANIZED**

Took place in the organization of various conferences:

1. 1<sup>st</sup> Technical Congress Advances in Civil Engineering, October 25-27, 1993 held in Eastern Mediterranean University.
2. Fourth International Conference on Concrete Technology in Developing Countries, November 7-8, 1996 held in Eastern Mediterranean University.
3. 3<sup>rd</sup> FAE International Symposium, “Creating the Future”, held on 25<sup>th</sup> November 2004. Organizing, Reviewing, and Scientific Committee Member.
4. 4<sup>th</sup> FAE International Symposium, “Creating the Future”, held on 30<sup>th</sup> November 2006. Organizing, Reviewing, and Scientific Committee Member.
5. Member of Organizing and Scientific Committee, FAE 3rd International Symposium – Creating the Future, Nov 25-26 2004, Gemikonağı, Lefke, TRNC.
6. Member of Organizing and Scientific Committee, FAE 4th International Symposium – Creating the Future, 30 Nov – 1 Dec 2006, Gemikonağı, Lefke, TRNC.
7. Associate Editor and Member of Organizing and Scientific Committee, FAE 5th International Symposium *ARCHENG* – Creating the Future, 27-28 Nov. 2008, Gemikonağı, Lefke, TRNC.
8. Associate Editor and Member of International Scientific Committee, ACE 2008, Eighth International Congress on Advances in Civil Engineering, 15-17 September, 2008, EMU, Gazimagusa, TRNC.
9. Associate Editor and Member of Organizing and Scientific Committee, FAE 6th International Architecture and Engineering Symposium – CENG’10 Civil and Environmental Engineering, 25 – 26 Nov 2010, Gemikonağı, Lefke, TRNC.
10. Editor of the 7th International Symposium on Civil and Environmental Engineering “Creating the Future”, Gemikonağı, TRNC, 29-30 November 2012.



### **SCIENTIFIC RESEARCH COMMITTEE MEMBERSHIP**

European University of Lefke representative in the TRNC Scientific Research Projects Evaluation Commission under the Support Programme for Research in Higher Education (by TRNC Ministry of Education and Turkish Republic Help Commission, 2006-2011).

### **OTHER ASSIGNED DUTIES DURING THE LAST THREE YEARS**

1. Consulting Services under Working Capital: Concrete Specimen Compressive Strength Analysis at EUL Campus Construction Works such as Law Faculty of Law, Dormitories, and Faculty of Health Sciences.
2. CIVL300 Summer Practice Coordinator at the Department of Civil Engineering.
3. Transfer committee member at the Department of Civil Engineering.