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EDUCATION

2012 : PhD degree, *Department of Geotechnical Engineering and Geo Sciences - cum laude.*
Universidad Politecnica de Cataluña, Barcelona/SPAIN

2007 : Master degree, "Disaster Management Policy Program-Earthquake Disaster Mitigation"
National Graduate Institute for Policy Studies, Tokyo/JAPAN

2006 : Master degree, "Construction Materials"
Mediterranean University, Antalya/TURKEY

2004 : Master degree, "Earthquake Engineering and Structural Dynamics"
Universidad Politecnica de Cataluña, Barcelona/SPAIN

1999 : Bachelor Degree in Civil Engineering, Faculty of Engineering
Middle East Technical University Ankara/TURKEY

EXPERIENCE

October 2013-
Assistant Professor
Maltepe University, Istanbul/TURKEY
Courses Thought: Mechanics of Materials, Materials of Construction, Earthquake Engineering, Seismic Evaluation of Existing Buildings.

October 2012-October 2013
Structural Engineer.

October 2008 – October 2012
PhD Candidate at Universidad Politecnica de Cataluña, Barcelona/SPAIN
-SGM signal analyses and processing, Strong Ground Motion, Earthquake Spectra
-Probabilistic seismic hazard analysis methods

June 2008 – October 2008
Director and Senior Structural Engineer at GenesisTP-Ankara Office, Ankara-TURKEY
-Structural building technologies using light steel

September 2007 – June 2008
Senior Civil Engineer at Earthquake Research Department, Disaster and Emergency Management Presidency, Republic of Turkey Prime Ministry. Ankara-Turkey.

October 2006 – September 2007
Trainee at International Institute of Seismology and Earthquake Engineering (IISEE), Building Research Institute (BRI- Tsukuba, Japan), Individual Study at Kyoto University
- Disaster Risk Management, Earthquake Hazard Assessment, Seismic Evaluation and Retrofitting of Existing Buildings.

June 2002-October 2006

Civil Engineer at Earthquake Research Department, Disaster and Emergency Management Presidency, Republic of Turkey Prime Ministry. Ankara-Turkey. Seismic evaluation of existing Reinforced Concrete Buildings, responsible for monitoring and reporting earthquakes

January 2002-June 2002

Trainee at GBRC (General Building Research Corporation of Japan), Osaka-Japan

Deterioration process of concrete structures, Alkali Aggregate Reaction, Non-Destructive Testing Technology

May 2001-January 2002:

Civil Engineer at Earthquake Research Department, Disaster and Emergency Management Presidency, Republic of Turkey Prime Ministry. Ankara-Turkey. Non-destructive test methods and quality control of concrete structures.

September 1999-May 2001:

Research Assistant at Mediterranean University, Department of Civil Engineering, Materials of Construction Division. Antalya-Turkey

Quality control of ready-mix concrete, concrete tests

PUBLICATIONS

Journal Articles

1. *D. Dominquez-Santos, D. Valderrama, A.U Yazgan. (2023). "Comparative Study of Seismic Spectra of Great Magnitude Occurred in Chile Between 2012 to 2022 and The Design Spectra of Seismic Standard NCH433" (2023). Journal of South American Earth Sciences. https://doi.org/10.1016/j.jsames.2023.104685*
2. *A.E Özsoy-Özbay, I. Sanrı-Karapınar, A.U Yazgan, A.O Pehlivan, S. Karakuş, N. Taşaltın. (2022). Mechanical Properties of Cement Mortars Incorporating Zero-Valent Iron Nanoparticles. Journal of Materials in Civil Engineering. 34, Doi: 10.1061/(ASCE)MT.1943-5533.0004030*
3. *A.U Yazgan, A.O Pehlivan, A.E Özsoy-Özbay, I. Sanrı-Karapınar. (2022). Improvement of mechanical strength of mortars by different morphological ZnO nanoparticles. Magazine of Concrete Research. Doi: 10.1680/jmacr.21.00117*
4. *I. Sanrı-Karapınar, A.O Pehlivan, A.E Özsoy-Özbay, A.U Yazgan, S. Karakuş, N. Taşaltın. (2022). Improvement of the mechanical properties of cementitious composites by the novel synthesized borophene nanosheets. Journal of Composite Materials. 56. Doi: 10.1177/00219983221084771*
5. *I. Sanrı-Karapınar, A.O Pehlivan, , S. Karakuş, A.E Özsoy-Özbay, A.U Yazgan, N. Taşaltın, A. Kilislioglu. (2020). Application of novel synthesized nanocomposites containing κ-carrageenan/PVA/eggshell in cement mortars. Materiales de Construcción. 70 (340) Doi: 10.3989/mc.2020.06720*
6. *A.O Pehlivan, S. Karakuş, I. Sanrı-Karapınar, A.E Özsoy-Özbay, A.U Yazgan, N. Taşaltın, A. Kilislioglu. (2020). Effect of Novel Synthesized Nanoeggshell on the Properties of Cementitious Composites. Journal of Advanced Concrete Technology, 18(5), 294-306. Doi: 10.3151/jact.18.294*
7. *F. López Almansa, A.U. Yazgan, A. Benavent Climent. (2012). Design Energy Input Spectra for Moderate-to-High Seismicity Regions Based on Turkish Earthquakes. Bulletin of Earthquake Engineering. Doi: 10.1007/s10518-012-9415-2.*
8. *A.U. Yazgan, M. Nishiyama. (2008). Seismic Performance Evaluation of Existing RC Structures according to the Japanese Standard and Retrofitting with Prestressed Precast CFT and FRC Braces, Bulletin of IISEE, 42, 115-120.*

PAPERS IN PROCEEDINGS

1. *A.U. Yazgan, E. Kadiroğlu. Inelastic Response Spectra for Seismic Design of Structures. IV ECOCEE, 1211-1221 (2019).*
2. *F. López Almansa, A.U. Yazgan, A. Benavent Climent. Design Energy Spectra for Turkey.15th World Conference on Earthquake Engineering (15WCEE). Lisbon, Portugal. Art. 531 (publication in CD) (2012).*
3. *A.U. Yazgan, F. López Almansa, A. Benavent Climent. Proposal of Design Energy Spectra Based on Turkish Registers. 4ª Conferencia Nacional de Ingeniería Sísmica. Granada (Spain) (2011).*
4. *F. López Almansa, A. Benavent, D.A. Bravo, A.U. Yazgan. Design Energy Spectra for Colombia and Turkey. 14th European Conference on Earthquake Engineering (14ECEE). Ohrid (Macedonia) (2010).*
5. *H.E. Zaineh, A.U. Yazgan, M. Nishiyama. Study on Effectiveness of Seismic Slits in Upgrading the Seismic Capacity of Three Existing RC School Buildings. 14th European Conference on Earthquake Engineering (14ECEE). Ohrid (Macedonia) (2010).*
6. *H. Araníbar, G. Palazzo, A.U. Yazgan, J.M. Franco, F. López Almansa, F. Crisafulli. Mass Use of Energy Dissipators for Seismic Protection and Retrofit of Buildings in Earthquake-Prone Regions. Applications to Bolivia, Argentina and Turkey. 9th World Seminar on seismic isolation, energy dissipation and active vibration control of structures. Kobe (Japan). Japan Association for Vibration Technologies (JAVIT). Vol. II. Art. 28. 465-487 (2006).*

THESES

Yazgan A.U. Proposal of Energy Spectra for Earthquake Resistant Design Based on Turkish Registers. Doctoral Dissertation. Universidad Politecnica de Cataluña, Barcelona/SPAIN (cum laude)

Yazgan A.U. (2007). Seismic Performance Evaluation of Existing RC Structures According to the Japanese Standard and Retrofitting with Prestressed Precast CFT and FRC Braces. Ms Thesis. Graduate Research Institute of Policy Studies. Tokyo, Japan

Yazgan A.U. (2006). Influence of the Chemical Admixture and Cement Type on the Relation of the Compressive Strength of Concrete's one day Strength Gained by Rapid Curing and 28th day Strength. Ms Thesis. Mediterranean University. Antalya, Turkey

Yazgan A.U. (2004). Mass use of Energy Dissipators for Seismic Protection and Retrofit of Buildings in Earthquake-Prone Regions. Ms Thesis. Universidad Politecnica de Cataluña, Barcelona/SPAIN

TECHNICAL REPORTS

Concrete Durability Problems in Turkey-Country Report-, Public Symposium on Technology for Prevention from Premature Deterioration of Concrete Structures-Worldwide Problem in Concrete Durability-, March, 2002, Osaka, Japan.

High Performance Concrete and new Technologies in Concrete Technology - Mediterranean University, Engineering Faculty- May 2000. Antalya, Turkey.

Self-Compacting Concrete and the Fresh Concrete Rheology, Mediterranean University. Engineering Faculty- December 1999. Antalya, Turkey.

GRANTS&AWARDS

The Spanish Ministry of Foreign Affairs, MAE-AECID 447958, grant. October, 2008- October, 2012
Japan International Cooperation Agency, JICA, grant.
October, 2006-September, 2007
Japan International Cooperation Agency, JICA, grant.
January, 2002-June,2002

LANGUAGES

Turkish	*Native Language*
English	*Fluent*
Spanish	*Advanced*