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ACADEMIC QUALIFICATIONS

Ph.D. Firat University, Faculty of Technical Education, Department of Construction Education (October 2002 –July 2006). Thesis: "The Investigation of the Strength Effect between Concrete and Steel Surface of Concrete Type and Reinforcing Dimensions under Curing Conditions"

M.Sc. Firat University, Faculty of Technical Education, Department of Construction Education (October 2000 – September 2002). Thesis: "Plastic Analysis of Steel Frames By Using Fuzzy Logic".

B.S. Firat University, Faculty of Engineering, Department of Civil Engineering (October 1996 – June 1999).

ACADEMIC POSITIONS HELD

Teaching Assistant Firat University, Faculty of Technical Education, Department of Construction Education (November 2000 – October 2007).

Assist. Prof. Dr. Firat University, Faculty of Technical Education, Department of Construction Education (October 2007- March 2011)

Assist. Prof. Dr. Firat University, Faculty of Technology, Department of Civil Engineering (March 2011-October 2011)

Assoc. Prof. Dr. Firat University, Faculty of Technology, Department of Civil Engineering (October 2011-)

PUBLICATIONS

INTERNATIONAL JOURNALS

1. ***H. TANYILDIZI***, S. YAZICIOĞLU, "Plastic Analysis of Two-span Beams by Using Fuzzy Logic" Technical Magazine, Turkish Chamber of Civil Engineers, 17, 4, 3961–3971, 2006.
2. E. SAYIN, ***H. TANYILDIZI***, "Determine the Bituminous Hot Mixtures Stiffness with Fuzzy Logic", Gazi University, The Journal of The Faculty of Engineering and Architecture, 21, 4, 645–649, 2006.
3. ***H. TANYILDIZI***, A. COŞKUN, "Performance of Lightweight Concrete with Silica Fume after High Temperature," Construction and Building Materials, **22**, 2124-2129 (2008).
4. ***H. TANYILDIZI***, "Effect of temperature, carbon fibers, and silica fume on mechanical properties of lightweight concretes," New Carbon Materials, **23**, 339-344 (2008).
5. ***H. TANYILDIZI***, A. COŞKUN, "The Effect of High Temperature on Compressive Strength and Splitting Tensile Strength of Structural Lightweight Concrete Containing Fly Ash," Construction and Building Materials, **22**, 2269-2275 (2008).
6. KARAHAN, O., ***H. TANYILDIZI*** ve ATIŞ, C.D., "A artificial neural network approach for prediction of long-term strength properties of steel fiber reinforced concrete containing fly ash," Journal of Zhejiang University-Science A, **9,** 1514-1523 (2008).
7. ***H. TANYILDIZI***, COŞKUN, A., "Determination of the Principal Parameter of Ultrasonic Pulse Velocity and Compressive Strength of Lightweight Concrete by

Using Variance (Anova) Method," Russian Journal of Nondestructive Testing, **9**, 639-646 (2008).

8. ***H. TANYILDIZI***, A. COŞKUN and SOMUNKIRAN, İ., "An experimental investigation for bond and compressive strength of concrete with mineral admixtures at high temperature," Arabian Journal for Science and Engineering, **33**, 443-449 (2008).
9. C., BILIM, C.D., ATIŞ, *H.* ***TANYILDIZI,*** O. KARAHAN, "Predicting the compressive strength of ground granulated blast-furnace slag concrete using artificial neural network," Advances in Engineering Software, **40**, 334-340 (2009).
10. ***H. TANYILDIZI,*** "Fuzzy Logic Model for the Prediction of Bond Strength of High-Strength Lightweight Concrete," Advances in Engineering Software, **40**, 161-169 (2009).
11. O., KARAHAN, ***H. TANYILDIZI,*** C.D., ATIŞ, "Statistical Analysis for Strength Properties of Polypropylene Fiber Reinforced Fly Ash Concrete," Magazine of Concrete Research, 61, 467-476 (2009).
12. ***H. TANYILDIZI***, "Fuzzy logic model for prediction of mechanical properties of lightweight concrete exposed to high temperature," Materials and Design, **30**, 6, 2205-2210 (2009).
13. F. ÖZCAN, C.D. ATİŞ, O. KARAHAN E. UNCUOĞLU, ***H. TANYILDIZI,*** **"**Comparison of fuzzy logic and artificial neural network models for prediction of long-term compressive strength of silica fume concrete," Advances in Engineering Software, **40**, 856-863 (2009).
14. ***H. TANYILDIZI,*** "Statistical analysis for mechanical properties of polypropylene fiber reinforced lightweight concrete containing silica fume exposed to high temperature," Materials and Design, **30**, 3252-3258 (2009).

15. ***H. TANYILDIZI***, "Effect of temperature, carbon fibers, and silica fume on mechanical properties of lightweight concretes, Carbon, **47**, 1614-1615 (2009).
16. ***H. TANYILDIZI,*** A. ÇEVİK, "Modeling mechanical performance of lightweight concrete containing silica fume exposed to high temperature using genetic programming", Construction and Building Materials, **24**, 2612-2618 (2010).
17. M. UYSAL, ***H. TANYILDIZI***, "Predicting the core compressive strength of self compacting concrete (SCC) mixtures with mineral additives using artificial neural network", Construction and Building Materials, **25**, 4105–4111 (2011).
18. M. UYSAL, ***H. TANYILDIZI***, "Estimation of compressive strength of self compacting concrete containing polypropylene fiber and mineral additives exposed to high temperature using artificial neural network", Construction and Building Materials, **27**, 404-414 (2012).
19. ***H. TANYILDIZI***, S. YAZICIOĞLU, "Determination by the Taguchi method of optimum conditions for bond and compressive strength of concrete containing mineral admixtures", Building Research Journal (accepted 2012).

NATIONAL JOURNALS

1. ***H. TANYILDIZI,*** S. YAZICIOĞLU**,** "Plastic Analysis of Single-span Frames By Using Fuzzy Logic " Science-Technology Medicine& Veterinary Science Social Sciences-Life Sciences, 1 2, 2003 (in Turkey).
2. ***H. TANYILDIZI***, S. YAZICIOĞLU, M. ULKER, "Plastic Analysis of Two-span Frames by Using Fuzzy Logic" Afyon Kocatepe University Journal of Sciences, 6, 1, 9-22, 2006 (in Turkey).
3. ***H. TANYILDIZI***, S. YAZICIOĞLU, "Effect of Mineral Admixtures on Bond Strength of Concrete and Reinforcement", Firat University, International Journal of Science and Technology, 18, 3, 351–357, 2006 (in Turkey).

4. ***H. TANYILDIZI***, S. YAZICIOĞLU, "Effect of curing conditions on bond strength between concrete and reinforcement steel", Science-Technology Medicine& Veterinary Science Social Sciences-Life Sciences, 5,1, 11–13, 2006 (in Turkey).
5. ***H. TANYILDIZI***, A. COŞKUN, "Effect of high temperature on surface properties and compressive strength of lightweight concrete", Science-Technology Medicine& Veterinary Science Social Sciences-Life Sciences, 5, 2, 10–12, 2007 (in Turkey).
6. A. COŞKUN, ***H. TANYILDIZI***, S. YAZICIOĞLU, "The effect of 800 ^{0}C on bond strength of concrete with mineral admixture" Pamukkale University, Journal of Engineering Science, 13, 3, 347–351, 2007 (in Turkey).
7. A. COŞKUN, ***H. TANYILDIZI***, "Effect of different curing conditions on ultrasonic pulse velocity and compressive strength of lightweight concrete, Journal of the Institute of Science and Technology of Dumlupinar University, 14, 119–128, 2007 (in Turkey).
8. ***H. TANYILDIZI,*** A. COŞKUN, "Investigation of compressive strength and ultrasonic pulse velocity properties of lightweight concrete containing rosso levanto marble in Elazığ" ournal of the Institute of Science and Technology of Erciyes Üniversitesi, 27 (2): 150-154, 2011 (in Turkey).

INTERNATIONAL CONFERENCE

1. ***H. TANYILDIZI***, S. YAZICIOĞLU, "Increase of Bond Strength between Concrete and Steel Under Both Water and Air Curing Conditions by Use of Fly Ash" International Congress on Fly Ash Utilization, New Delhi, VI 41.1–41.8, 4–7 December 2005.
2. ***H. TANYILDIZI***, S. YAZICIOĞLU, A. COŞKUN, "Influence on Bond Strength of Concrete Repair Materials (Mineral Admixture)", 2nd International Conference on Concrete Repair, Concrete Solutions, St-Malo France, 514–521, 27–29 June 2006.

3. ***H. TANYILDIZI***, A. COŞKUN, "The Effect of Mineral Admixtures and High Temperature on Compressive and Splitting Tensile Strength of Lightweight Concrete", 4th FAE international symposium, Gemi konağı Cyprus, 147–151, 30 November–1 December 2006.
4. ***H. TANYILDIZI***, A. COŞKUN, "The effect of high temperature on compressive strength of lightweight concrete containing fly ash" 3rd International Symposium, Sustainability in Cement and Concrete, Istanbul, Turkey, 709–716, 21–23 May 2007.
5. ***H. TANYILDIZI***, A. COŞKUN, "The effect of magnesium sulfate on compressive strength of lightweight concrete containing fly ash" 3rd International Symposium, Sustainability in Cement and Concrete, Istanbul, Turkey, 573–581, 21–23 May 2007.
6. ***H. TANYILDIZI***, A. COŞKUN, "Fuzzy Logic Model for Prediction of Compressive Strength of Lightweight Concrete Made with Scoria Aggregate and Fly Ash", International Earthquake Symposium, Kocaeli, Turkey, 134, October 2007.
7. ***H. TANYILDIZI***, S. YAZICIOĞLU, "Investigation of relationship between bond strength and compressive strength of lightweight concrete and normal weight concrete containing silica fume", International Conference on Advances in Cement-Based Materials and Application in Civil Infrastructure (ACI/RILEM Conference), Lahore, Pakistan, 594-602, 12-14 December 2007.

NATIONAL CONFERENCE

1. ***H. TANYILDIZI***, S. YAZICIOĞLU, A. COŞKUN "Influence of fly ash on mechanical properties of structural lightweight concrete made with pumice stone in elaziğ" 5. The National GAP Conference, Sanliurfa Turkey, 963–967, 26–28 April 2006.

2. ***H. TANYILDIZI***, A. COŞKUN, "Investigation of The effect of silica fume on ultrasonic pulse velocity of structural lightweight concrete made with pumice stone". The National Engineering Conference, Zonguldak, Turkey, 479-484, May 2006.
3. ***H. TANYILDIZI,*** E. SAYIN, "Determination of Earthquake reliability of Ulu mosque in Harput" the conference Repair and Strengthening of Structures, Denizli, Turkey, 440–443, 2006.
4. ***H. TANYILDIZI***, "Investigation of the levelling change of Kömürhan Bridge" 1. Bridge Symposium, Antalya, Turkey, 487–494, 2007.
5. COŞKUN, ***H. TANYILDIZI***, M. TUĞAL, "Effect of curing conditions on compressive strength and ultrasonic pulse velocity of Lightweight concrete", Ready Mixed Concrete Congress, 370-380, İstanbul, Turkey, 2008.
6. COŞKUN, ***H. TANYILDIZI***, S. YAZICIOĞLU, " Effect of freeze-thaw on bond strength of concrete with mineral admixtures" 8. National Concrete Congress, İzmir, Turkey, 2011.
7. M. ŞAHİN, ***H. TANYILDIZI***, "Effect of freeze-thaw on compressive strength of concrete with rosso levanto marble", Ready Mixed Concrete Congress 2011, İstanbul, Turkey, 2011.

PROJECT

1. "The investigation of the strength effect between concrete and steel surface of concrete type and reinforcing dimensions under curing conditions", FÜBAP Project no: 1037 (Firat University), 2006.
2. "e-Portfolio Process in Vocational Education", Leonardo da Vinci B pilot project. Project no: TR/06/B/F/PP/178110, 2006.
3. "The effect of magnesium sulfate on compressive strength of lightweight concrete containing mineral admixture", FÜBAP Project no: 1481 (Firat University), 2008.

PROFESSIONAL ACTIVITIES

1. Reviewer for Construction and Building Materials, Elsevier Press, 2005.
2. Reviewer for Construction and Building Materials, Elsevier Press, 2006.
3. Reviewer for Construction and Building Materials, Elsevier Press, 2007.
4. Reviewer for the Journal of Geotechnical Testing, ASTM Press, 2007.
5. Reviewer for E-Journal of New World Sciences Academy, 2007.
6. Reviewer for Materials and Design, Elsevier Press, 2008.
7. Reviewer for ACI Materials Journal, American Concrete Institute, 2008.
8. Reviewer for Materials and Design, Elsevier Press, 2009.
9. Reviewer for Scientific Research and Essays, 2009.
10. Reviewer for The Arabian Journal for Science and Engineering B: Engineering
11. Reviewer for Computer Concrete 2010
12. Reviewer for Construction and Building Materials, 2011.
13. Reviewer for The Arabian Journal for Science and Engineering B: Engineering, 2011.
14. Reviewer for Journal of Testing and Evaluation, 2011.
15. CSC2011 Conference, Editorial Board 2011.
16. Journal of Control Engineering and Technology, Editorial Board 2011.
17. ICEICE 2012 conference, Editorial Board 2011.

OTHERS

1. The effect of high temperature on compressive strength and splitting tensile strength of structural lightweight concrete containing fly ash Construction and Building Materials, (8. Most Downloaded) ScienceDirect TOP25 Hottest Articles July - September 2008.
   http://top25.sciencedirect.com/subject/engineering/12/journal/construction-and-building-materials/09500618/archive/19/

2. Performance of lightweight concrete with silica fume after high temperature Construction and Building Materials,(10. Most Downloaded) ScienceDirect TOP25 Hottest Articles July - September 2008 http://top25.sciencedirect.com/subject/engineering/12/journal/construction-and-building-materials/09500618/archive/19/
3. Predicting the compressive strength of ground granulated blast furnace slag concrete using artificial neural network Advances in Engineering Software, (7. Most Downloaded) ScienceDirect TOP25 Hottest Articles January to March 2009 http://top25.sciencedirect.com/subject/engineering/12/journal/advances-in-engineering-software/09659978/archive/21/
4. Fuzzy logic model for the prediction of bond strength of high-strength lightweight concrete Advances in Engineering Software, (14. Most Downloaded) ScienceDirect TOP25 Hottest Articles January to March 2009 http://top25.sciencedirect.com/subject/engineering/12/journal/advances-in-engineering-software/09659978/archive/21/
5. Comparison of artificial neural network and fuzzy logic models for prediction of long-term compressive strength of silica fume concrete Advances in Engineering Software, (11. Most Downloaded) ScienceDirect TOP25 Hottest Articles April to June 2009 http://top25.sciencedirect.com/subject/engineering/12/journal/advances-in-engineering-software/09659978/archive/22/