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**Place of birth** IRAN (East Azerbaijan Province)  
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## EDUCATION/ACADEMIC INFO

	Department	Institution	Year
<b>Assistant Professor</b>	Department of Civil Engineering	Istanbul Okan University	2019 -
<b>Post-Doc. Researcher</b>	Department of Civil Engineering Construction Materials Lab.	Dokuz Eylül University	2018-2019
<b>Ph.D.</b>	Department of Civil Engineering <i>Ph.D. in Construction Materials</i>	Dokuz Eylül University	2013-2018
<b>M.Sc.</b>	Department of Civil Engineering <i>M.Sc. in Construction Materials</i>	Dokuz Eylül University	2010-2013
<b>B.S.</b>	Department of Civil Engineering	I. Azad University	2007-2009
<b>Associate degree *</b>	General Construction Works	Technical and Vocational University	2003-2006

\* A.D.: Associate degree (Civil engineering technician)

- **M.Sc. Thesis:** Steel fiber-matrix bond characteristics of cement based composites [GPA: 3.79 out of 4:00]

- **Ph.D. Thesis:** An investigation on self-healing ability of cement based composites [GPA: 3.94 out of 4:00]

## PROJECT EXPERIENCES

### The Scientific and Technological Research Council of Turkey (TÜBİTAK)

#### “Scientific and Technological Research Projects Funding” Program

1. TÜBİTAK-1002, Project No: 112M598, “*Electro-chemical corrosion monitoring of steel fiber corrosion and effect of corrosion on mechanical performance of cement based composites*” (**MSc Thesis**).
2. TÜBİTAK-1001, Project No: 110M569, “*Development of Alkali Aggregate Reaction Performance Test Methods*”.
3. TÜBİTAK-1001, Project No: 112M899, “*An investigation on the effects of cement type and concrete quality on durability of concrete and rebar corrosion under real seawater exposure*”.
4. TÜBİTAK-1001, Project No: 215M783, “*An investigation on self-healing ability of cement based composites*” (**PhD Thesis, Postdoctoral, Investigator**)

## **Industrial R&D Projects Grant Programme (as consultant)**

5. TÜBİTAK/TEYDEP-1507, Project No: 7150439, Sargın Briket Künk İmalat TİC. LTD. ŞTİ., “Design and production of street furniture and decorative products by using reactive powder concrete”.
6. TÜBİTAK/TEYDEP-1507, Project No: 7141493, Topaz Prekast Yapı Elemanları SAN. VE TİC. A.Ş., “Production of precast construction elements with ultra high performance concrete”.
7. TÜBİTAK/TEYDEP-1501, Project No: 3160442, Egedemir Demir Geri Kazanım Madencilik Petrol Nakliye Turizm İnşaat Taahhüt Pazarlama Sanayi Ticaret Limited Şirketi & Dere Beton Hazır Beton ve Yaş Sıva Sanayi ve Ticaret AŞ. “Utilization of electric arc furnace slag as aggregate in structural concrete”.

## **SCHOLARSHIPS**

1. Turkish Cement Manufacturers’ Association (TÇMB): “İz Birakanlar” scholarship: 2013-2017
2. Scientific and Technological Research Projects Funding: 110M569 project scholarship: 2011-2012
3. Short Term R&D Funding Program: 112M598 project scholarship: 2013
4. Scientific and Technological Research Projects Funding: 112M899 project scholarship: 2013-2016
5. Scientific and Technological Research Projects Funding: 215M783 project scholarship: 2016-2018
6. Scientific and Technological Research Projects Funding: 215M783 project Postdoctoral scholarship: 2018-2019

## **PUBLICATIONS** (Citations according to Google Scholar: 148) <http://orcid.org/0000-0002-4842-4289>

### **Published or accepted to be published in journals covered by SCI, SSCI or AHCI:**

1. **Ahsanollah Beglarigale**, Halit Yazıcı: *The effect of alkali–silica reaction on steel fiber–matrix bond characteristics of cement based mortars. Construction and Building Materials* 10/2013; 47:845–860., <https://doi.org/10.1016/j.conbuildmat.2013.05.045>
2. **Ahsanollah Beglarigale**, Halit Yazıcı: *Mitigation of Detrimental Effects of Alkali-Silica Reaction in Cement-Based Composites by Combination of Steel Microfibers and Ground-Granulated Blast-Furnace Slag. Journal of Materials in Civil Engineering* 12/2014; 26(12), DOI:10.1061/(ASCE)MT.1943-5533.0001005
3. **Ahsanollah Beglarigale**, Halit Yazıcı: *Pull-out behavior of steel fiber embedded in flowable RPC and ordinary mortar. Construction and Building Materials* 01/2015; 75:255-265. <https://doi.org/10.1016/j.conbuildmat.2014.11.037>
4. Cihat Yüksel, Ali Mardani-Aghabaglou, **Ahsanollah Beglarigale**, Halit Yazıcı, Kambiz Ramyar, Özge Andiç-Çakır: *Influence of water/powder ratio and powder type on alkali–silica reactivity and transport properties of self-consolidating concrete. Materials and Structures* 1/2016; 49(1-2): 289–299. DOI:10.1617/s11527-014-0497-y

5. **Ahsanollah Beglarigale**, Çağlar Yalçınkaya, Hüseyin Yiğiter, Halit Yazıcı: *Flexural performance of SIFCON composites subjected to high temperature*. **Construction and Building Materials** 02/2016; 104:99-108., <https://doi.org/10.1016/j.conbuildmat.2015.12.034>
6. **Ahsanollah Beglarigale**, Serdar Aydın, Cengiz Kızıllırmak: *Fiber-Matrix Bond Characteristics of Alkali-Activated Slag Cement-Based Composites*. **Journal of Materials in Civil Engineering** 06/2016; 28(11):04016133. DOI:10.1061/(ASCE)MT.1943-5533.0001642
7. Ali Mardani, **Ahsanollah Beglarigale**, Halit Yazıcı, Kambiz Ramyar: *Microstructural Analyses of Recycled Aggregate-Bearing Mortar Mixture*. **ACI Materials Journal** 12/2016; 113(6):769-780. DOI:10.14359/51689417
8. Cihat Yüksel, Ali Mardani-Aghabaglou, **Ahsanollah Beglarigale**, Halit Yazıcı, Özge Andiç-Çakır, Kambiz Ramyar: *Bazalt ve Atık Cam Agregalı Betonlarda Alkali-Silis Reaksiyonu Genleşmeleri ve Alkali Sızıntısı Seviyeleri*. **Teknik Dergi [Technical Journal]** 04/2017; 28(477):7865-7882. DOI:10.18400/tekderg.304100. (Turkish)
9. Ebru Erten, Çağlar Yalçınkaya, **Ahsanollah Beglarigale**, Hüseyin Yiğiter, Halit Yazıcı: *Effect of early age shrinkage cracks on the corrosion of rebar embedded in ultra high performance concrete with and without fibers*. **Journal of the Faculty of Engineering and Architecture of Gazi University** 12/2017; 32(4):1347-1364. 10.17341/gazimmfd.369857 (Turkish)
10. **Ahsanollah Beglarigale**, Halit Yazıcı: *Electrochemical corrosion monitoring of steel fiber embedded in cement based composites*. **Cement and Concrete Composites** 10/2017; 83:427-446. <https://doi.org/10.1016/j.cemconcomp.2017.08.004>
11. Ali Mardani, **Ahsanollah Beglarigale**, Halit Yazıcı, Kambiz Ramyar: *Comparison of recycled glass and concrete aggregates from high temperature, abrasion resistance and shrinkage behavior of mortar mixtures view point*, **Journal of Green Building** 10/2018; 13(4):39-59. <https://doi.org/10.3992/1943-4618.13.4.39>
12. **Ahsanollah Beglarigale**, Yoldaş Seki, Naim Yağız Demir, Halit Yazıcı: *Sodium silicate/polyurethane microcapsules used for self-healing in cementitious materials: monomer optimization, characterization, and fracture behavior*, **Construction & Building Materials** 02/2018; 162:57-64. <https://doi.org/10.1016/j.conbuildmat.2017.11.164>
13. Ali Mardani, Cihat Yüksel, **Ahsanollah Beglarigale**, Kambiz Ramyar: *Improving the mechanical and durability performance of recycled concrete aggregate-bearing mortar mixtures by using binary and ternary*, **Construction & Building Materials** 01/2019; 196: 295-306. <https://doi.org/10.1016/j.conbuildmat.2018.11.124>
14. Halit Yazıcı, **Ahsanollah Beglarigale**, Kamile Tosun Felekoğlu, Selçuk Türkel: *Comparing the alkali-silica reaction mitigation capacity of admixtures by using different accelerated test methods*, **Construction & Building Materials** 02/2019; 197:597-614. <https://doi.org/10.1016/j.conbuildmat.2018.11.227>
15. **Ahsanollah Beglarigale**, Houten Vahedi, Doğa Eyice, Halit Yazıcı: *Novel Test Method for Assessing Bonding Capacity of Self-Healing Products in Cementitious Composites*, **Journal of Materials in Civil Engineering**, 04/2019, 31(4); 04019028. 10.1061/(ASCE)MT.1943-5533.0002632
16. Ali Mardani, **Ahsanollah Beglarigale**, Halit Yazıcı, Kambiz Ramyar: *Transport properties and freeze-thaw resistance of mortar mixtures containing recycled concrete and glass aggregates*. **European Journal of Environmental and Civil Engineering**, 03/2019: 23(1), 53-69; DOI:10.1080/19648189.2016.1262289
17. \*\*\*Hüseyin Yiğiter, **Ahsanollah Beglarigale**, Serdar Aydın, Bülent Baradan: *Corrosion behavior of rebars embedded in alkali-activated and conventional reactive powder concretes*. **Teknik Dergi [Technical Journal] (First revision was done-Under Review)**

### **Published in peer-reviewed journals covered by other indexes:**

18. **Ahsanollah Beglarigale**, Halit Yazıcı: *Lightweight building blocks incorporating bottom ash aggregate under different curing conditions*. **Asian Journal of Civil Engineering** 05/2015; 16(6):850-867.
19. Çağlar Yalçınkaya, **Ahsanollah Beglarigale**, Halit Yazıcı: *The effect of metakaolin and end type of steel fiber on fiber- SIFCON matrix bond characteristics*. **Usak University Journal of Material Sciences** 06/2014; 1(1):97-105., DOI:10.12748/uujms.201416504
20. **Ahsanollah Beglarigale**, Çağlar Yalçınkaya, Halit Yazıcı: *Autoclaved reactive powder concrete: the effects of steel micro- fibers and silica fume dosage on the mechanical properties*. **Usak University Journal of Material Sciences** 06/2014; 1:7-14., DOI:10.12748/uujms.201416495
21. Çağlar Yalçınkaya, Jędrzej Sznajder, **Ahsanollah Beglarigale**, Orkut Sancakoğlu, Halit Yazıcı: *Abrasion resistance of reactive powder concrete: The influence of water-to-cement ratio and steel micro-fibers*. **Advanced Materials Letters** 2014 5(6):345-351. DOI: 10.5185/amlett.2014.amwc.1021

### **Published in other journals:**

22. Hilmi Aytaç, Hüseyin L Sevin, **Ahsanollah Beglarigale**, Hüseyin Yiğiter, Halit Yazıcı: *Gerçek Deniz Ortamındaki Betonlarda Bağlayıcı Tipi ve Su/Bağlayıcı Oranının Klorür İşleme Derinliğine Etkisinin İncelenmesi*. 11/2016; **Hazır Beton Dergisi**, 138: 67-76. (Turkish)
23. **Ahsanollah Beglarigale**, Halit Yazıcı: *Çimento esaslı kompozitlerin kendi kendine iyileşme kabiliyeti*. 01/2016; **İmo İzmir Bülten**, 29(1): 19-26. (Turkish)

### **CONFERENCE PAPERS**

1. **Ahsanollah Beglarigale**, Hüseyin Yiğiter, Halit Yazıcı, Ahmet Hilmi Aytaç, Hüseyin Levent SEVİN: *Gerçek Deniz Ortamında İslanma-Kuruma Çevrimine Maruz Kalan Betonarme Numunelerin Korozyon Davranışı*. 10. Uluslararası Beton Kongresi, Bursa; 05/2019
2. Doğa Eyice, **Ahsanollah Beglarigale**, Yoldaş Seki, Halit Yazıcı: *Sodyum Silikat/ Poliüretan Mikrokapsül İçeren Çimento Esaslı Kompozitlerin Kendi Kendine İyileşme Etkinliği*. 10. Uluslararası Beton Kongresi, Bursa; 05/2019
3. **Ahsanollah beglarigale**, Çağlar Yalçınkaya, Burak Göksü, Sadık Can Girgin, K. Emrah Erginer, Serap Kahraman, Halit Yazıcı: *Concrete Canoe Production: Material Development, Structural Analysis and Design*. 13th International Congress on Advances in Civil Engineering, Çeşme-İzmir; 12/2018
4. **Ahsanollah beglarigale**, Doğa Eyice, Yoldaş Seki, Halit Yazıcı: *Optimization of Morphology of Sodium Silicate/Polyurethane Microcapsules Used for Self-Healing in Cementitious Materials*. 13th International Congress on Advances in Civil Engineering, Çeşme-İzmir; 12/2018
5. **Ahsanollah Beglarigale**, Houten Vahedi, Halit Yazıcı: *Assessing the self-healing capacity of UHPC mixtures through the mechanical tests and a novel self-bonding method*. 6th International Conference on Self-Healing Materials, Friedrichshafen; 06/2017
6. **Ahsanollah Beglarigale**, Hüseyin Yiğiter, Halit Yazıcı, Ahmet Hilmi Aytaç, Hüseyin Levent SEVİN: *Donatı Korozyonunun Gerçek Deniz Ortamında İncelenmesi*. Beton 2017 Kongresi, İstanbul; 04/2017
7. **Ahsanollah Beglarigale**, Farhad Ghajeri, Hüseyin Yiğiter, Halit Yazıcı, Hilmi Aytaç, Hüseyin L Sevin: *Permeability Characterization of Concrete with Different Water/Binder ratio and Binder Type Exposed*

- to Real Marine Environment. 12th International Congress on Advances in Civil Engineering, İstanbul, Turkey; 09/2016
8. **Ahsanollah Beglarigale**, Halit Yazıcı: *Chloride-induced corrosion and bond performance of single steel fiber embedded in cement based composites*. 12th International Congress on Advances in Civil Engineering, İstanbul, Turkey; 09/2016
  9. Hilmi Aytaç, Hüseyin L Sevin, **Ahsanollah Beglarigale**, Hüseyin Yiğiter, Halit Yazıcı: *Effect of binder type and water/binder ratio on chloride penetration depth of concrete exposed to actual marine environment*. XVIIth ERMCO, Istanbul - Turkey; 06/2015
  10. Ali Mardani, **Ahsanollah Beglarigale**, Halit Yazıcı, Kambiz Ramyar: *Durability aspects of recycled aggregate mortar mixtures*. 10th International Congress on Civil Engineering, University of Tabriz, Tabriz, Iran; 05/2015
  11. **Ahsanollah Beglarigale**, Halit Yazıcı: *Çimento Esaslı Kompozitlerde Lif-matris Aderansına Kür Koşullarının Etkisinin İncelenmesi*. 9. Ulusal Beton Kongresi, Antalya; 04/2015
  12. Muhammer Keskinateş, **Ahsanollah Beglarigale**, Halit Yazıcı: *The Effect of Freeze-Thawing on Steel Fiber-Matrix Bond Characteristics of Cement Based Composites*. Second Intl. Conf. on Advances In Civil, Structural and Mechanical Engineering- CSM 2014, Birmingham, UK; 11/2014
  13. **Ahsanollah Beglarigale**, Çağlar Yalçınkaya, Muhammer Keskinateş, Halit Yazıcı: *The Influence of Fiber-Matrix Bond Characteristics on Tensile Performance of SIFCON* 11th International Congress on Advances in Civil Engineering, İstanbul; 10/2014
  14. Cihat Yüksel, Ali Mardani-Aghabaglou, **Ahsanollah Beglarigale**, Halit Yazıcı, Kambiz Ramyar, Özge Andiç-Çakır: *Alkali-Silica Reaction Expansions and the Extent of Alkali Leaching in Concretes Including Basalt and Waste Glass as Aggregate*. 11th International Congress on Advances in Civil Engineering, İstanbul; 10/2014
  15. **Ahsanollah Beglarigale**, Farhad Ghajeri, Hüseyin Yiğiter, Halit Yazıcı: *Permeability Characterization of Concrete Incorporating Fly Ash*. 11th International Congress on Advances in Civil Engineering, İstanbul; 10/2014
  16. Çağlar Yalçınkaya, **Ahsanollah Beglarigale**, Halit Yazıcı: *SIFCON Matrisi - Çelik Lif Aderansına Metakaolinin ve Lif Geometrisinin Etkisi*. II. Ulusal Ege Kompozit Malzemeler Sempozyumu, Kuşadası, Aydın; 11/2013
  17. **Ahsanollah Beglarigale**, Çağlar Yalçınkaya, Halit Yazıcı: *Otoklav Kürlü Reaktif Pudra Betonu: Mikro Çelik Lif Hacmi ve Silis Dumanı Dozajının Mekanik Özelliklere Etkisi*. II. Ulusal Ege Kompozit Malzemeler Sempozyumu, Kuşadası, Aydın; 11/2013
  18. Çağlar Yalçınkaya, **Ahsanollah Beglarigale**, Halit Yazıcı: *Akışkanlaştırıcı Dozajının ve Ortam Sıcaklığının Ultra Yüksek Performanslı Betonun Erken Yaş Otojen Deformasyonuna ve Mukavemet Gelişimine Etkisi*. IV. Yapılarda Kimyasal Katkılar Sempozyumu ve Sergisi (Chemical Admixtures on Structures 4th Symposium and Exhibition), Ankara; 10/2013
  19. Çağlar Yalçınkaya, Jędrzej Sznajder, **Ahsanollah Beglarigale**, Orkut Sancakoğlu, Halit Yazıcı: *Abrasion resistance of reactive powder concrete: the influence of water-to-cement ratio and steel micro-fibers*. Advanced Materials World Congress, İzmir; 09/2013
  20. Çağlar Yalçınkaya, **Ahsanollah Beglarigale**, Halit Yazıcı: *The Effect of Waste Marble Powder on the Fresh State and Mechanical Properties of Self-Compacting Mortars*. International Porous and Powder Materials Symposium and Exhibition, İzmir; 09/2013

21. Çağlar Yalçınkaya, **Ahsanollah beglarigale**, Halit Yazıcı, Hüseyin Yiğiter: *Yüksek Sıcaklığın SIFCON'un Direncine Etkisi*. Beton 2013 Hazır Beton Kongresi, İstanbul; 02/2013

## **REVIEWER** (<https://publons.com/author/1615460/ahsanollah-beglarigale#profile>)

- 1- ACI Structural Journal
- 2- ACI Materials Journal
- 3- Construction and Building Materials
- 4- International Journal of Concrete Structures and Materials
- 5- Periodica Polytechnica Civil Engineering
- 6- Micro and Nanosystems
- 7- The Open Civil Engineering Journal
- 8- Journal of Building Engineering
- 9- Resources, Conservation & Recycling
- 10- Advances in Civil Engineering Materials
- 11- Usak University Journal of Engineering Sciences

## **COMPETITIONS** (as advisor)

- 1- National Intercollegiate Concrete Canoe Competition organized by Istanbul Technical University: Dokuz Eylül University's "Cementer" concrete canoe won second place (2017).
- 2- National Intercollegiate Concrete Canoe Competition organized by Istanbul Technical University: Dokuz Eylül University's "Cementer" concrete canoe won first place (2018).

## **LANGUAGES**

English, Azeri Turkish (Azerbaijani), Turkish, Persian

## **UNDERGRADUATE AND GRADUATE COURSES**

### ***Undergraduate***

Building Materials (CE206) [English]

Yapı Malzemesi (İNŞ206) [Turkish]

Özel Betonlar (İNŞ425) [Turkish]

### ***Graduate***

İnşaat Mühendisliğinde Özel Konular I (CE532) [Turkish]