

ÖZGEÇMİŞ

1. Adı Soyadı : Hamid FARROKH GHATTE (Hamit DORAN)
2. Unvanı : ÖĞRETİM ÜYESİ
3. Öğrenim Durumu : Doktora
4. Çalıştığı Kurum : ANTALYA BİLİM
ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/İNŞAAT
MÜHENDİSLİĞİ BÖLÜMÜ



Derece	Alan	Üniversite	Yıl
Lisans	İNŞAAT MÜHENDİSLİĞİ	Tabriz University, Iran.	1999
Y. Lisans	İNŞAAT MÜHENDİSLİĞİ YAPI	Kerman University, Iran.	2006
Doktora	İNŞAAT MÜHENDİSLİĞİ YAPI	Istanbul Technical University, Turkey.	2016

5. Akademik Unvanlar

- Doktor Öğretim Üyesi Tarihi : 28.11.2018
Doçentlik Tarihi :
Profesörlük Tarihi :

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri

- 1) **Mehdi Bagherpour (2017)** “Seismic performance of RC columns with special cross-sections (cross, T and L shaped) in moment frame system based on Spectral analyses.” *The University of Aein Kamal, Urmia, Iran.*
- 2) **Rostam Olovpour (2018)** “Finite element modeling of seismic retrofitting of RC columns through FRP jacketing.” *The University of Aein Kamal, Urmia, Iran.*
- 3) **Mirali Asghari (2018)** “Seismic performance of RC Beams through FRP jacketing based on finite element modeling” *The University of Aein Kamal, Urmia, Iran.*
- 4) **Amir Ghanat Bari (2018)** “Evaluation of seismic design codes in the moment frame RC structures (ACI, CSA and Iranian seismic design code).” *Islamic Azad University, Urmia, Iran.*
- 5) **Erfan Montazami (2018)** “Finite element modeling and retrofitting of rocking walls” *The University of Aein Kamal, Urmia, Iran.*
- 6) **Akbar PORASAD YENGEJEH (2019)** “Effective Parameters of Plastic Hinging Length in RC Beam-Column Joints.” *Islamic Azad University, Urmia, Iran.*
- 7) **Soheyl GHOLIBEYGI (2019)** “Seismic behavior of Rectangular RC Columns with a different Cross-Sectional Aspect Ratio” *Islamic Azad University, Urmia, Iran.*

<http://thesis.iaurmia.ac.ir/Public/Professor/ProfHome.aspx?PID=1133>

- 8) **Ismail Sait SOYER (2022)** “Damage Assessment and Failure Mechanisms of Buildings after Wildfire Based on Manavgat wildfire in 2021.” *Antalya Bilim University, Antalya, Turkey.*

- 9) **Damlanur ISPIR** (2022) “Seismic Risk Assessment of the Buildings Stock in Esenler, Istanbul.” *Antalya Bilim University, Antalya, Turkey.*
- 10) **Emre DANISMAN** (2022) “Experimental Study of using Aggregates Obtained From Şanlıurfa Quarries in Concrete Production.” *Antalya Bilim University, Antalya, Turkey.*
- 11) **Necmetddin KOCOGLU** (2022) “Evaluation of Reinforced Concrete Buildings Designed According to DBYBHY 2007 and TBDY 2018 with Rock-Type Soils (Z-A) in Antalya.” *Antalya Bilim University, Antalya, Turkey.*
- 12) **Baran CELİK** (2022) “Evaluation of Reinforced Concrete Buildings Designed According to DBYBHY 2007 and TBDY 2018 with Loos Sand Soils (Z-D) in Antalya.” *Antalya Bilim University, Antalya, Turkey.*
- 13) **Mustafa CIZMECI** (2023) “Antalya'da 1987 yılında yapılan bir binanın doğrusal analiz yöntemi ile performans değerlendirmesi ve güçlendirme önerisi.” *Antalya Bilim University, Antalya, Turkey.*
- 14) **Busra ELIBOL** (2024) “Evaluation of Facade Cladding of Reinforced Concrete Buildings in Turkey According to Earthquake Regulations” *Antalya Bilim University, Antalya, Turkey.*
- 15) **Özgü GÜVENİLİR TOSUN** (2025) “Evaluation of reinforced concrete buildings in Antalya Kepez district with rapid scanning methods” *Antalya Bilim University, Antalya, Turkey.*
- 16) **DENİZ GÖKALP** (2025) “Performance assessment of existing buildings with rapid scanning methods: Antalya Kepez/Dokuma area application” *Antalya Bilim University, Antalya, Turkey.*
- 17) **Ayberk KIRAZ** (2026) “Empirical investigation of building inspection regulations and construction industry operations in Antalya, Turkey” *Antalya Bilim University, Antalya, Turkey.*
- 18) **Dilara ARSLAN** (2026) “FARKLI HASTANE YAPILARININ DEPREM PERFORMANSININ KIYASLAMALI OLARAK BELİRLENMESİ” *Antalya Bilim University, Antalya, Turkey.*

<https://akademik.yok.gov.tr/AkademikArama/view/viewAuthorThesis.jsp>

6.2. Doktora Tezleri

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI,SSCI,Arts and Humanities)

- 1) Farrokh Ghatte Hamid, Comert M, Demir C., Ilki A “Evaluation of FRP Confinement Models for Substandard Rectangular RC Columns Based on Full-Scale Reversed Cyclic Lateral Loading Tests in Strong and Weak Directions.” *Polymers* 2016, 8(9), 323; doi:[10.3390/polym8090323](https://doi.org/10.3390/polym8090323).
- 2) Farrokh Ghatte Hamid, Comert M, Demir C., Ilki A “Seismic Performance of Full-Scale FRP Retrofitted Substandard Rectangular RC Columns Loaded in the Weak Direction.” *Applied Mechanics and Materials*, Vol. 847, [pp.347-353, 2016.](#)

- 3) Farrokh Ghatte Hamid, Comert M, Demir C., Akbaba, M, Ilki A. (2019) “Seismic Retrofit of Full-Scale Substandard Extended Rectangular RC Columns through CFRP Jacketing: Test Results and Design Recommendations” [Journal of Composites for Construction, 23\(1\), 04018071.](#)
- 4) Farrokh Ghatte, Hamid. (2019) “Evaluation of Reinforcing Bars Ratio Effects on SCC Beam-Column Joint Performance” [Uludağ University Journal of The Faculty of Engineering, 24 \(3\), PP 141-152, 2019.](#)
- 5) Farrokh Ghatte, Hamid. (2020) “External steel ties and CFRP jacketing effects on seismic performance and failure mechanisms of substandard rectangular RC columns” [Composite Structures Volume 248, 15 September 2020, 112542.](#)
- 6) Gholizadeh, S., Hassanzadeh, A., Milani, A. et al. “On the seismic collapse capacity of optimally designed steel braced frames” Engineering with Computers (2020). <https://doi.org/10.1007/s00366-020-01096-7>
- 7) Shahmansouri, A. A., Yazdani, M., Ghanbari, S., Bengar, H. A., Jafari, A., & Ghatte, H. F. (2020). Artificial neural network model to predict the compressive strength of eco-friendly geopolymer concrete incorporating silica fume and natural zeolite. [Journal of Cleaner Production Volume 279, 10 January 2021, 123697.](#)
- 8) Shahmansouri, A. A., Yazdani, M., Hosseini, M., Bengar, H. A., & Ghatte, H. F. (2022). The prediction analysis of compressive strength and electrical resistivity of environmentally friendly concrete incorporating natural zeolite using artificial neural network. [Construction and Building Materials, 317, 125876.](#)
- 9) Ghatte, H. F. (2020). Failure mechanisms and cracking performance of T-shaped SCC beam-column connections at top floor: Test results and FE modeling. [Structures Volume 28, December 2020, Pages 1009-1018](#)
- 10) Ghatte, H. F. (2020). Farrokh Ghatte, H. A Hybrid of Firefly and Biogeography-Based Optimization Algorithms for Optimal Design of Steel Frames. [Arab J Sci Eng \(2020\).](#)
- 11) Adibi, M., Talebkhah, R., and Ghatte, H. F. (2023). Seismic reliability of precast concrete frame with masonry infill wall. [Earthquakes and Structures, Volume 24, Number 2, February 2023, pages 141-153](#)
- 12) Soyer, A., Senturk, M., & Farrokh Ghatte, H. (2025). Post-wildfire assessment and fire resilience strategies: a case study from Türkiye, with a critical evaluation of NRC-2021. [Journal of Structural Fire Engineering.](#)
- 13) Farrokh Ghatte, H., Seed Gholizadeh(2026). Optimization of Double Layer Grid Space Structures by an Enhanced Differentiated Creative Search Algorithm. Volume 39, Issue 12 TRANSACTIONS C, Pages 3227-3240 [International Journal of Engineering](#)

7.2. Uluslararası diğer hakemli dergilerde yayınlanan makaleler

- Farrokh, G. H., & Nazari, A. (2025). Prediction of rice husk ash-based SCC compressive strength: Data-driven Framework. [CIVIL ENGINEERING AND APPLIED SOLUTIONS](#) Year:2025, Volume:1, Issue:3 Page(s): 17-28

➤ 7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

- 1) Maghsoudi, A.A. and F Ghatte, H., “Ductility and Ultimate State Investigation of Self Compacting Concrete Joints.”1st International Congress on Seismic Retrofitting, 25-27 April 2006, Iran, Tehran.
- 2) Farrokh Ghatte, H, and, Maghsoudi, A.A. “Experimental and Theoretical Investigation of Self Compacting Concrete Joints.” ICCEIE 2012: International Conference on Civil, Environmental and Infrastructure Engineering Paris, France, November 28- 29, 2012.

- 3) Golbandi, H, and Farrokh Ghatte, H. "Seismic Performance Evaluation of the Structural System Consisting of RC Columns and Shear Walls of an Eight Story Building." ICCEIE 2012: International Conference on Civil, Environmental and Infrastructure Engineering Paris, France November 28 -29, 2012.
- 4) Comert M, Demir C., Farrokh Ghatte Hamid, Ilki A "Seismic Performance of Full-Scale FRP Confined Sub-Standard Columns Subjected to High Axial Load." The 7th International Conference on FRP Composites in Civil Engineering, International Institute for FRP in Construction, August 20-22, 2014, Vancouver, British Columbia, Canada.
- 5) Farrokh Ghatte Hamid, Comert M, Demir C., Ilki A "Performance of FRP Confinement Models for Predicting the Behavior of Full-Scale FRP Retrofitted Columns under Simulated Seismic Actions." APFIS-2015, Joint Conference, 14-16 December 2015, Nanjing, China.
- 6) Farrokh Ghatte Hamid, Peyman Hamidi, Tohid Charbgo "Evaluation of retrofitting methods and seismic performance of masonry buildings in Urmia." 5th.International Congress on Civil Engineering and Urban Development 26-28 December 2017, Shahid Beheshti University, Tehran, Iran.
- 7) Farrokh Ghatte Hamid, Reza, Salehahar "Retrofitting of Reinforced Concrete columns through their weak directions." National Conference on Construction in Earthquake-Prone Areas CEPA, 11-12 August 2017, Tabriz University, Tabriz, Iran.
- 8) Farrokh Ghatte Hamid, Amir Ghanate Bari "**Evaluation of seismic design codes in the moment frame RC structures (ACI, CSA and Iranian seismic design code)**" 1st. National Conference on Infrastructure Engineering 10-11 October 2018, Urmia University, Urmia, Iran.
- 9) Mehdi Bagherpour, Farrokh Ghatte Hamid "**Seismic performance of RC columns with special cross-sections (cross, T and L shaped) in moment frame system based on Spectral analyses.**" **National Conference on Basic Research in Civil Engineering, Architecture, and Urban Planning**, 29 June 2018, Tehran, Iran.
- 10) Farrokh Ghatte Hamid and Can AKSAKAL "Analytical Investigation of Reinforced Concrete Frames Considering Construction Sequences." **12th International Scientific Conference on Production Engineering DEVELOPMENT AND MODERNIZATION OF PRODUCTION**, 18 -20 September 2019, Sarajevo, Bosnia.
- 11) Ali DANANDEH MEHR, Hamid FARROKH GHATTE "Treated Wastewater for Concrete Mixing; A Comparative Study between ASTM and Turkish Standards." **12th International Scientific Conference on Production Engineering DEVELOPMENT AND MODERNIZATION OF PRODUCTION**, 18 -20 September 2019, Sarajevo, Bosnia.
- 12) BEYRAMNEJAD Yousef, HAMIDI Peyman, and FARROKH GHATTE Hamid "Ductility Performance of Reinforced Concrete Structures with Shear Walls Based on Nonlinear Static Analysis." **6th National Congress on CIVIL ENGINEERING, ARCHITECTURE, AND URBAN DEVELOPMENT**, 10-12 December 2019, Iran University of Science and Technology, Tehran, Iran.
- 13) FARROKH GHATTE Hamid " *Facade Damage Assessment of the Buildings in Bam, Iran 2003 and Kermanshah, Iran 2017 Earthquakes.* " **13th International Scientific Conference on Production Engineering**, 29 September-1 Oktober 2021, Sarajevo, Bosnia.

[In IOP Conference Series. Materials Science and Engineering \(Vol. 1208, No. 1\). IOP Publishing.](#)
- 14) FARROKH GHATTE Hamid "Mix Properties and Serviceability Performance of Self Compacting Concrete Connections" **13th International Scientific Conference on Production Engineering**, 29 September-1 October 2021, Sarajevo, Bosnia.

- 15) **SEMLALI, Anas and FARROKH GHATTE Hamid** “Toward Hybrid AI-Enhanced Tropical Cyclone Forecasting: Numerical, Data-Driven, and Image-Based Model Comparison” **14th International Conference on Development and Modernization of Manufacturing (RIM-2025) 17- 19 September 2025, Sarajevo, Bosnia.**
- 16) **ABTAHI, S.M. Amin and FARROKH GHATTE Hamid** “Quakewise: A Multi-Modal AI Framework for Automated Earthquake Vulnerability Assessment of Buildings” **14th International Conference on Development and Modernization of Manufacturing (RIM-2025), 17- 19 September 2025, Sarajevo, Bosnia.**
- 17) **ABTAHI, S.M. Amin, Muzaffer KOC and FARROKH GHATTE Hamid** “AI-Driven Multi-Modal Assessment of Building Vulnerability in Seismic Zones” **22nd Annual International Conference on Information Technology & Computer Science 18 -20 June 2026, Athens, Greece.**

7.4. Yazılan uluslararası kitaplar veya kitaplarda bölümler

- **FARROKH GHATTE, H.,** “Applications of Gene Expression Programming for Estimating CFRP Wrapping Effects on the Bond Strength After Elevated Temperature Exposure.” **Multidisciplinary Approach to Information Technology in Library and Information Science, IGI GLOBAL.**

<https://www.igi-global.com/book/multidisciplinary-approach-information-technology-library/334129>

7.5. Ulusal hakemli dergilerde yayınlanan makaleler

- 1) **FARROKH GHATTE, Hamid.** (2019) “Evaluation of Reinforcing Bars Ratio Effects on SCC Beam-Column Joint Performance” [Uludağ University Journal of The Faculty of Engineering.](#)
- 2) **DANISMAN, Emre and FARROKH GHATTE, Hamid** (2025) “Durability Performance of Concrete Incorporating Two Diverse Aggregates Acquired From Şanlıurfa Quarries” [Journal of Innovative Science and Engineering \(JISE\)](#)
- 3) **SOYER, Aslan and FARROKH GHATTE, Hamid.** (2025) “Damage Assessment of Urban Interface Masonry Buildings after a Severe Wildfire along with a Comparison of NRC-2018 ” [Journal of Innovative Science and Engineering \(JISE\)](#)

7.6. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

1. **Rehabilitation and Retrofitting of RC Structures**, 07 March 2019 IMO Antalya, Turkey.
2. **Construction Control Methods in Iran and Turkey**, 28 March 2019 TMMOB Ankara, Turkey.
3. **Second International Health Facilities Management Symposium**, 22 January 2026 Ankara, Turkey.

7.7. Diğer yayınlar

8. Projeler

Project Assistant at TUBITAK Project:

Seismic Retrofitting of Rectangular RC Columns by Using CFRP Jacketing and Steel Anchorages (TUBITAK 1002 – HIZLI DESTEK PROGRAM)

March 2011-October 2012

Fwd: FW: 111M431

Key Person of Erasmus + Project:

Let's adapt to global warming with cool islands, Re-Fresh!

March 2024-October 2026; Number: 2023-1-FR01-KA220- VET-25649

Address:

<https://erasmus-plus.ec.europa.eu/projects/search/details/2023-1-FR01-KA220-VET-000166643>

9. İdari Görevler

Head of the Institute of Civil Engineering in Technical and Vocational University, Urmia, Iran.

Head of Department of Civil Engineering in Technical and Vocational University, Urmia, Iran.

10. Bilimsel ve Mesleki Kuruluşlara Üyelikler

Iranian Construction Engineering Organization - Urmia, Iran.

March 1999- 2018

Membership No: 14-0-3-02870

Field: Civil Engineering

Level: First Grade

Turkish Construction Engineering Organization - Antalya, Turkey.

June- 2026

Field: Civil Engineering

Level: Supervisor and Science Board

11. Ödüller

- Recognition of the **Best Experimental Thesis** in Civil Engineering Department, Shahid Bahonar University of Kerman, Iran 2006.
- Recognition of an **Exemplary Engineer** in School Building Office in Urmia, Iran, 2007.
- Recognition of an **Exemplary Instructor** in Technical & Vocational University of Iran, Urmia, Iran 2009.

- Recognition of the **Best Advisor** in Technical & Vocational University of Iran, Urmia, Iran 2017.

Patent:

“A SYSTEM CAN SHOW THE EARTHQUAKE PERFORMANCE OF BUILDINGS IN A THREE-DIMENSIONAL SYSTEM” Türk Patent ve Marka Kurumu (2024/012836).

12. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati	
			Teorik	Uygulama
2024-2025	Güz	Computer-Aided Structural Design	2	1
	Güz	Reinforced Concrete Structures II	3	0
	Güz	Scientific Research Techniques and Ethics	3	0
	Güz	Senior Project	-	-
	İlkbahar	Statics and Strength of Materials	3	0
	İlkbahar	Reinforced Concrete Structures I	3	0
	İlkbahar	Advanced Dynamics of Structures	3	0
	İlkbahar	Senior Project	-	-
	İlkbahar	Reinforced Concrete Structures I	3	0
2025-2026	Güz	Computer-Aided Structural Design	2	1
	Güz	Reinforced Concrete Structures II	3	0
	Güz	Scientific Research Techniques and Ethics	3	0
	Güz	Senior Project	-	-
	İlkbahar	Advanced Dynamics of Structures	3	0
	İlkbahar	Reinforced Concrete Structures I	3	0
	İlkbahar	Statics and Strength of Materials	3	0
	İlkbahar	Senior Project	-	-
	İlkbahar	Reinforced Concrete Structures II	3	0