**M MURAT MARAS**

Department of Civil Engineering,University of Inonu, Main Campus, Elazığ Road 15. km, 44280, Battalgazi, Malatya, Türkiye, murat.maras@inonu.edu.tr

## RESEARCH EXPERIENCE

**Doctoral Research Scientist, Department of Civil Engineering, University of Inonu (2019-.....)**

- Conducted advanced research on sustainable and low-carbon construction materials for green transformation in civil engineering.
- Developed innovative geopolymer and cementless concrete systems using recycled construction and demolition waste materials.
- Investigated circular economy applications for converting post-earthquake debris waste into sustainable infrastructure components.
- Designed environmentally friendly modular road systems, railway sleepers, pipe systems, and urban infrastructure elements using green concrete technologies.
- Performed experimental and analytical studies on eco-friendly infrastructure materials with improved durability and mechanical performance.
- Led interdisciplinary research on smart and sustainable infrastructure systems integrating digitalization and green engineering approaches.
- Developed sustainable repair and strengthening materials based on geopolymer technology for earthquake-resistant structures.
- Investigated AI-assisted and drone-supported monitoring systems for smart construction and infrastructure applications.
- Coordinated and participated in TÜBİTAK, BAP, and international research projects related to sustainability, recycling technologies, and green transformation.
- Published SCI-indexed research articles in the fields of sustainable construction materials, geopolymer technologies, and eco-friendly infrastructure systems.
- Supervised postgraduate research projects focused on sustainable construction technologies and circular engineering applications.
- Developed innovative recycling-based engineering solutions for reducing carbon emissions and promoting sustainable urban infrastructure.
- Contributed to international collaborations and project development activities on waste management, recycling systems, and sustainable engineering technologies.

**PhD Research, Department of Civil Engineering, University of Kahramanmaras Sutcu Imam (2013-2019)**
**Supervisor: Prof. Dr. Mehmet Metin Kose**

- Investigated the structural and seismic behavior of masonry wall systems strengthened with geogrid-reinforced geopolymer composite panels.
- Developed sustainable geopolymer and green strengthening materials for earthquake-resistant masonry structures.
- Produced eco-friendly geopolymer mortars and composite strengthening systems using recycled and industrial waste-based materials.
- Investigated the application of low-carbon and sustainable green construction materials in structural strengthening systems.
- Performed experimental compression, shear, and flexural tests on strengthened masonry wall specimens.
- Conducted laboratory-scale production and characterization of geopolymer mortar and ferro-geopolymer composite systems.
- Analysed crack propagation, failure mechanisms, and energy dissipation capacities of strengthened masonry elements.
- Investigated sustainable retrofitting techniques for historical and conventional masonry structures using geopolymer-based green materials.
- Used non-destructive and destructive testing methods for assessment of masonry structural behavior.
- Performed microstructural and mechanical characterization of geopolymer composites using advanced laboratory techniques.
- Contributed to sustainable, recyclable, and low-carbon strengthening technologies for masonry and infrastructure systems.
- Presented research findings at national and international scientific conferences and contributed to SCI-indexed journal publications.
- Collaborated in university-supported research projects related to geopolymer technologies, green construction materials, and structural strengthening systems.

## RELEVANT RESEARCH SKILLS

- Sustainable and green construction material design and characterization
- Geopolymer and cementless concrete production technologies
- Recycling of construction and demolition waste materials
- Green transformation and circular economy applications in civil engineering
- Structural repair and strengthening techniques for reinforced concrete and masonry structures
- Experimental testing of structural elements under compression, flexural, and seismic loading
- Production and optimization of eco-friendly infrastructure systems and modular concrete components
- Development of sustainable railway sleeper and modular road systems
- Advanced laboratory testing of concrete, mortar, and composite materials
- Mechanical, durability, rheological, and microstructural characterization of construction materials
- Fiber-reinforced composite systems and FRP strengthening applications
- Geosynthetic and geogrid reinforcement systems for structural strengthening
- Non-destructive testing (NDT) techniques for structural assessment
- Earthquake-resistant structural analysis and seismic performance evaluation
- AI-supported monitoring systems and drone-based infrastructure inspection technologies
- Sustainable urban infrastructure and low-carbon engineering solutions
- Research project development, coordination, and scientific publication management
- Scientific data analysis and experimental research methodology
- Academic supervision of postgraduate research projects
- Advanced use of laboratory equipment and civil engineering testing systems

## AWARDS

- Second Place Award in Engineering and Basic Sciences at the 5th R&D Project Market organized by the Anatolian Universities Association, May 2026
- 2025 INUFEST Achievement Award, INUFEST Science and Technology Festival, May 2025
- Young Scientist Encouragement Award in Science and Engineering, Inonu University, June 2024
- 2022 Publication Incentive Award, The Scientific and Technological Research Council of Türkiye (TÜBİTAK), August 2022

## EDUCATION

**PhD in Civil Engineering**
Kahramanmaraş Sütçü İmam University
2013 – 2019
Dissertation: *The Investigation of Structural Behaviour of Masonry Walls Strengthened by Geogrid Geopolymer Panels*

**MSc in Civil Engineering**
İnönü University
2011 – 2013
Thesis: *Investigation of Sulfate Resistance of Geopolymer Cement Concretes Produced from Elazığ Ferrochrome Slag*

**BSc in Civil Engineering (English Program)**
Gaziantep University

## TEACHING EXPERIENCE

**Associate Professor / Lecturer**
Department of Civil Engineering, İnönü University
2019 – Present

- Teaching undergraduate and postgraduate courses in civil engineering and sustainable construction technologies
- Delivering lectures and laboratory sessions on structural engineering, construction materials, reinforced concrete, and geopolymer technologies
- Supervising MSc and PhD students in the fields of sustainable infrastructure systems and green construction materials
- Conducting laboratory-based education on concrete technologies, material characterization, and structural testing methods
- Developing academic course materials, experimental applications, and research-oriented learning activities
- Advising student engineering projects, TÜBİTAK research projects, and innovation competitions
- Organizing technical workshops, engineering competitions, and scientific activities for undergraduate students
- Mentoring students in sustainable engineering, recycling technologies, and smart infrastructure applications
- Participating in curriculum development and academic program improvement activities

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**RESEARCH AND TEACHıNG ASSISTANT**
Department of Civil Engineering, Kahramanmaraş Sütçü İmam University
2013 – 2019

- Assisted in undergraduate laboratory and practical courses related to structural engineering and construction materials
- Supported experimental testing and laboratory demonstrations for civil engineering students
- Assisted academic staff in research and teaching activities within structural and material engineering laboratories
- Guided students during laboratory experiments, data analysis, and technical reporting processes
- Participated in research-based educational activities related to geopolymer concrete and structural strengthening systems.

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## SELECTED RESEARCH PROJECTS

The Scientific and Technological Research Council of Türkiye (TÜBİTAK), Scientific Research Projects Coordination Unit (BAP)

1. **Use of Microalgae for Improving the Mechanical and Durability Properties of Geopolymer Concrete Specimens**
   BAP Research Project, 2025–Present
2. **Use of Bacteria-Immobilized Electrospun Fiber Membranes for Enhancing Self-Healing and Durability Properties of Geopolymer Concrete Specimens**
   BAP Guided Project, 2025–Present
3. **Repair and Strengthening of Damaged Reinforced Concrete Structural Elements with Geopolymer Repair Mortars**
   BAP PhD Project, 2025–2028
4. **Investigation of Mechanical Behavior and Performance Properties of Green Modular Wall Blocks Produced Using 3D Printed Mold Technology**
   BAP MSc Project, 2026–2027
5. **Investigation of Mechanical Properties of One-Way Reinforced Concrete Slabs Strengthened with Post-Tensioned Steel Cables under Flexural Behavior**
   BAP MSc Project, 2026–2027
6. **Production of Recycled Lego Concrete Wall Blocks from Concrete Waste Using 3D Printed Molds**
   The Scientific and Technological Research Council of Türkiye 2209-A Project, 2026
7. **Campus Notification System**
   The Scientific and Technological Research Council of Türkiye 2209-A Project, 2026
8. **Modular Smart Green Concrete Road Elements**
   The Scientific and Technological Research Council of Türkiye 2209-A Project, 2026

9. **Analysis of Railway Line Damages and Recycling Process of Concrete Sleeper Elements after the 2023 Kahramanmaraş Earthquakes**
   BAP Research Project, 2026
10. **Production of Modular Green Concrete Road Elements from Earthquake Debris Waste**
    BAP Research Project, 2025–2026
11. **A Critical Review of Geopolymer Binders: Historical Development, Current Applications, and Future Perspectives**
    BAP Research Project, 2025–2026
12. **Preparation, Characterization, and Application of Electrospun Nanofiber Membranes Immobilized with Different Bacteria Species for Self-Healing and Strength Enhancement in Geopolymer and Conventional Concrete**
    The Scientific and Technological Research Council of Türkiye 1001 Project, 2024–2026
13. **Strengthening of Laminated Timber Structural Elements Using FRP Composites and Steel Cables**
    BAP MSc Project, 2022–2024
14. **Strengthening of Laminated Wooden Arch Elements with FRP Composites**
    BAP Research Project, 2022–2024
15. **Production of New Generation Cementless Mortars Containing Industrial Waste**
    BAP Research Project, 2022–2023
16. **Investigation of Mechanical Properties of Masonry Walls Produced with Hybrid Fiber-Reinforced Geopolymer Mortars**
    BAP MSc Project, 2021–2023
17. **Determination of Seismic Performance Analysis of Reinforced Concrete Structures**
    BAP Guided Project, 2020–2021
18. **Structural Behavior of Reinforced Concrete Beams Strengthened with Fiber Reinforced Polymer Composites**
    BAP Research Project, 2020–2021
19. **Strengthening of Masonry Wall Elements Using Geopolymer Grout Injection Method**
    BAP Research Project, 2020–2021
20. **Seismic Strengthening of Masonry Structures with Geogrid Ferro-Geopolymer Panels**
    BAP PhD Project, 2015–2019
21. **Investigation of Shrinkage in Mortars and Concrete Produced with Geopolymer Cement**
    BAP Research Project, 2013–2015
22. **Investigation of Sulfate Resistance of Geopolymer Cement Concrete Produced from Elazığ Ferrochrome Slag**
    BAP Research Project, 2012–2014
23. **Investigation of Fire Resistance of Geopolymer Cement Concrete Produced from Elazığ Ferrochrome Slag by Alkali Activation Method**
    BAP Research Project, 2012–2014
24. **Investigation of Geopolymer Cement Production Using Elazığ Ferrochrome Slag**
    The Scientific and Technological Research Council of Türkiye 1001 Project, 2011–2014

**SUPERVISED THESES**

1. Maraş M.M., "Strengthening of Laminated Wooden Arch Elements with FRP Composites," Postgraduate Thesis, H. (Student), In Progress.
2. Maraş M.M., "Investigation of Mechanical Behavior and Performance Properties of Green Modular Wall Blocks Produced Using 3D Printed Mold Technology," Postgraduate Thesis, M. Bali (Student), In Progress.
3. Maraş M.M., "Investigation of Mechanical Properties of One-Way Reinforced Concrete Slabs Strengthened with Post-Tensioned Steel Cables under Flexural Behavior," Postgraduate Thesis, H. Karabulut (Student), In Progress.
4. Maraş M.M., "Repair and Strengthening of Damaged Reinforced Concrete Structural Elements with Geopolymer Repair Mortars," Doctoral Thesis, M. (Student), In Progress.
5. Maraş M.M., "Investigation of Mechanical Properties of Fiber-Reinforced Cementless Next-Generation Recycled High-Performance Infrastructure Pipe Systems," Postgraduate Thesis, B. Rihawi (Student), 2024.
6. Maraş M.M., "Strengthening of Laminated Wooden Structural Elements Using FRP Composites and Steel Cables," Postgraduate Thesis, M. Faruk (Student), 2023.
7. Maraş M.M., "Investigation of Mechanical Properties of Masonry Walls Produced with Hybrid Fiber-Reinforced Geopolymer Mortars," Postgraduate Thesis, M. Büyüktapu (Student), 2023.
8. Maraş M.M., "Investigation of Mechanical Properties of Mortars Developed for the Repair and Strengthening of Historical Structures on Structural Elements," Postgraduate Thesis, E. Kutlusoy (Student), 2023.
9. Maraş M.M., "Investigation of Mechanical Behavior of Beams Strengthened with FRP and Honeycomb Panels," Postgraduate Thesis, M. Kantarcı (Student), 2021.

## PATENTS APPLICATION

Maraş M.M., Ekinci E.
**"Recycled Railway Concrete Sleeper Produced by Alkaline Activation"**
European Patent Application No: EP/24860600.6, Standard Registration, 2025.
Maraş M.M.
**"Modular Road System"**
Patent Application No: 2025/021599, Standard Registration, 2025.
Maraş M.M.
**"Infrastructure Element Produced by Alkaline Activation of Waste Materials"**
Patent, Chapter E – Constructed Constructions (Construction),
PCT Application No: PCT/TR2023/051432, Standard Registration, 2023, Pending / Applied.

## ROLES IN EVENT ORGANIZATIONS

1. Maraş M.M.
   **"2026 Kuzeyboru Spaghetti Bridge Competition"**
   Student Club and Community Activity, Türkiye, May 2026.
2. Maraş M.M.
   **"TÜBİTAK Science Talks 2026"**
   Science / Art Camp and Summer School Organization, Türkiye, May 2026.
3. Maraş M.M.
   **"2025 Mixed Masonry Wall Construction Competition"**
   Social Activity Organization, Türkiye, December 2025.
4. Maraş M.M.
   **"TÜBİTAK Science Talks 2025"**
   Science / Art Camp and Summer School Organization, Türkiye, May 2025.
5. Maraş M.M.
   **"2025 Kuzeyboru Spaghetti Bridge Competition"**
   Chairman of the Organizing Committee, Malatya, Türkiye, May 2025.
6. Maraş M.M.
   **"International Symposium on Advanced Engineering Technologies (ISADET)"**
   Scientific Committee Member, Türkiye, June 2022.

## ACADEMIC MOBILITY ACTIVITIES

1. **Erasmus Teaching Mobility Programme**
   Panevėžys University of Applied Sciences
   Lithuania, 2024.

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## PROFESSIONAL ACTIVITIES

- Reviewer for more than 200 scientific articles in SCI-indexed and international peer-reviewed journals.
- Scientific reviewer in the fields of sustainable construction materials, geopolymer concrete, structural engineering, and green infrastructure systems.
- Swimming Referee for Professional Club Competitions, Turkish Swimming Federation, 2025 – Present.

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## ACADEMIC PROFILES

- Personal Website : https://www.muslummuratmaras.com
- Google Scholar Profile : https://scholar.google.com/citations?user=PZjlclMAAAAJ&hl=tr&oi=ao
- LinkedIn Profile : https://www.linkedin.com/in/do%C3%A7-dr-m%C3%BCsl%C3%BCm-murat-mara%C5%9F-a34302241/
- Scopus Author Profile : https://www.scopus.com/authid/detail.uri?authorId=56126989000
- Web of Science Researcher Profile: https://www.webofscience.com/wos/author/record/ABG-7987-2020

**PUBLICATIONS**

1. Maras M.M., Ekinci E., "Innovative Design and Optimisation of Fibre-Reinforced Alkali-Activated Slag Concrete for Railway Sleeper Applications," Road Materials and Pavement Design, Vol.1, No.1, pp.1–28, 2026. (SCI-Expanded, Scopus)
2. Ekinci E., Kantarcı F., Maraş M.M., Türkmen İ., Demirboğa R., "Historiography, Current Practice and Future Perspectives: A Critical Review of Geopolymer Binders," Sustainability, Vol.17, No.20, pp.1–42, 2025. (SCI-Expanded, SSCI, Scopus)
3. Maraş M.M., Rihawi B., Ekinci E., Kutlusoy E., "Development of Novel Fiber-Reinforced Eco-friendly Concrete: Application in Geopolymer Concrete Pipes Infrastructure Systems," Journal of Cleaner Technologies and Environmental Policy, Vol.1, No.1, pp.1–18, 2025. (SCI-Expanded, Scopus)
4. Maraş M.M., Ateş A., Alagöz B.B., "Production and Test Procedures for In-Situ Mars Concrete Research: A Case Study for On-ground Mars Constructions in Jezero Crater According to MEDA Data from 2020 Perseverance Mars Rover," Advances in Space Research, Vol.1, No.2, pp.1–19, 2025. (SCI-Expanded, Scopus)
5. Maraş M.M., Yurtseven H.B., Özdemir M.F., "Failure Analysis of Laminated Wooden Arches Strengthened with Novel Carbon-Fiber-Reinforced Polymer (CFRP) Composites: An Experimental Study," Journal of the Korean Wood Science and Technology, Vol.52, No.6, pp.585–604, 2024. (SCI-Expanded, Scopus)
6. Maraş M.M., "The Use of Construction and Demolition Wastes as Recycling Aggregate after February 6th Kahramanmaraş Earthquakes: The Case from Malatya Province," Turkish Journal of Earthquake Research, Vol.6, No.2, 2024. (SCI-Expanded, Scopus)
7. Özdemir M.F., Maraş M.M., Yurtseven H.B., "Flexural Behavior of Laminated Wood Beams Strengthened with Novel Hybrid Composite Systems: An Experimental Study," Journal of the Korean Wood Science and Technology, Vol.51, No.6, pp.526–541, 2023. (SCI-Expanded, Scopus)
8. Maraş M.M., Kantarcı M., Ayaz Y., "Experimental Performance of RC Beams Strengthened with Aluminum Honeycomb Sandwich Composites and CFRP U-Jackets," Experimental Techniques, Vol.1, No.20, pp.1–20, 2023. (SCI-Expanded, Scopus)
9. Maraş M.M., Kutlusoy E., Ekinci E., Rihawi B., "Production Parameters of Novel Geopolymer Masonry Mortar in Heritage Buildings: Application in Masonry Building Elements," Journal of Building Engineering, Vol.76, No.1, pp.1–17, 2023. (SCI-Expanded, Scopus)
10. Buyuktapu M., Maraş M.M., "Optimization of Production Parameters of Novel Hybrid Fiber-Reinforced Geopolymer Mortar: Application in Masonry Walls," Structures, Vol.53, pp.1300–1317, 2023. (SCI-Expanded, Scopus)
11. Buyuktapu M., Maraş M.M., "Optimization of Production Parameters of Novel Hybrid Fiber-Reinforced Geopolymer Mortar: Application in Masonry Walls," Structures, Vol.53, pp.1300–1317, 2023. (SCI-Expanded, Scopus)
12. Özmen A., Maraş M.M., Ayaz Y., Sayın E., "Assessments of Masonry Buildings and Historical Structures during the 2020 Sivrice-Elazığ Earthquake," Periodica Polytechnica Civil Engineering, Vol.67, No.2, pp.530–544, 2023. (SCI-Expanded, Scopus)
13. Maraş M.M., Kantarci F., "Structural Behavior of RC Beams Strengthened Using Fiber-Reinforced Polymer U-Jackets," Structural Concrete, Vol.1, pp.1–17, 2023. (SCI-Expanded, Scopus)
14. Kantarci M., Maraş M.M., Ayaz Y., "Experimental Performance of RC Beams Strengthened with Aluminum Honeycomb Sandwich Composites and CFRP U-Jackets," Experimental Techniques, 2022. (SCI-Expanded, Scopus)
15. Kantarci F., Maraş M.M., "Fabrication of Novel Geopolymer Grout as Repairing Material for Application in Damaged RC Beams," International Journal of Civil Engineering, Vol.20, No.4, pp.461–474, 2022. (SCI-Expanded, Scopus)
16. Maraş M.M., Özmen A., Sayın E., Ayaz Y., "Seismic Assessment of the Historical Sutlu Minaret Mosque," Periodica Polytechnica Civil Engineering, Vol.66, No.2, pp.445–459, 2022. (SCI-Expanded, Scopus)
17. Kantarci F., Maraş M.M., "Formulation of a Novel Nano TiO2-Modified Geopolymer Grout for Application in Damaged Beam-Column Joints," Construction and Building Materials, Vol.317, 2022. (SCI-Expanded, Scopus)
18. Maraş M.M., Kantarci F., "Structural Performance of Reinforced Concrete (RC) Moment Frame Connections Strengthened Using FRP Composite Jackets," Arabian Journal for Science and Engineering, Vol.46, No.11, pp.10975–10992, 2021. (SCI-Expanded)
19. Maraş M.M., "Tensile and Flexural Strength Cracking Behavior of Geopolymer Composite Reinforced with Hybrid Fibers," Arabian Journal of Geosciences, Vol.14, No.22, 2021. (SCI-Expanded, Scopus)
20. Maraş M.M., "Characterization of Performable Geopolymer Mortars for Use as Repair Material," Structural

Concrete, Vol.22, No.5, pp.3173–3188, 2021. (SCI-Expanded, Scopus)

21. Maraş M.M., "Mechanical and Fracture Behavior of Geopolymer Composites Reinforced with Fibers by Using Nano $TiO_2$," Journal of the Brazilian Society of Mechanical Sciences and Engineering, Vol.43, No.9, 2021. (SCI-Expanded, Scopus)
22. Maraş M.M., "Experimental Behavior of Injected Geopolymer Grout Using Styrene-Butadiene Latex for the Repair and Strengthening of Masonry Walls," Advances in Structural Engineering, Vol.24, No.11, pp.2484–2499, 2021. (SCI-Expanded, Scopus)
23. Maraş M.M., Kose M.M., "Structural Behavior of Masonry Panels Strengthened Using Geopolymer Composites in Compression Tests," Iranian Journal of Science and Technology - Transactions of Civil Engineering, Vol.45, No.2, pp.767–777, 2021. (SCI-Expanded, Scopus)
24. Maraş M.M., "Mechanical Properties of Confined Damaged Concrete Strengthened with Fiber Reinforced Polymer Wraps," El-Cezeri Journal of Science and Engineering, Vol.8, No.2, pp.706–717, 2021. (SCI-Expanded, Scopus, TRDizin)
25. Maraş M.M., "Effect of FRP Composite Used in Strengthening Reinforced Concrete Structures on Structural Performance," European Journal of Science and Technology, Vol.23, No.1, pp.108–119, 2021. (SCI-Expanded, Scopus, TRDizin)
26. Maraş M.M., Kösem M.M., Rızaoğlu T., "Microstructural Characterization and Mechanical Properties of Volcanic Tuff (Malatya, Turkey) Used as Building Stone for the Restoring Cultural Heritage," Periodica Polytechnica Civil Engineering, Vol.65, No.1, pp.309–319, 2021. (SCI-Expanded, Scopus)
27. Maraş M.M., Kantarcı F., "Investigation of Mechanical and Insulation Properties of Composites Containing Polymer Additives," Düzce University Journal of Science and Technology, Vol.8, No.2, pp.1394–1406, 2020. (TRDizin)
28. Temiz H., Maraş M.M., Kantarcı F., "Investigation of Mechanical and Insulation Properties of Polymer Additive Composites," Düzce University Journal of Science and Technology, Vol.8, No.2, pp.1394–1406, 2020. (TRDizin)
29. Maras M.M., Kose M.M., "Mechanical and Microstructural Properties of Polypropylene Fiber-Reinforced Geopolymer Composites," Journal of Fiber Science and Technology, Vol.75, No.4, pp.35–46, 2019. (SCI-Expanded, Scopus)
30. Maraş M.M., "Assessment of Seismic Hazards for Unreinforced Masonry Structures in Turkey," American Journal of Engineering Research, Vol.10, pp.291–296, 2017. (Scopus)
31. Maraş M.M., Kılınç H.Ç., "Comparison on Repair and Strengthening Techniques for Unreinforced Masonry Structures," International Journal of Engineering Research and Application, Vol.10, pp.1–6, 2016. (Scopus)
32. Türkmen İ., Karakoç M.B., Kantarcı F., Maras M.M., Demirboğa R., "Fire Resistance of Geopolymer Concrete Produced from Elazığ Ferrochrome Slag," Fire and Materials, Vol.40, No.6, pp.836–847, 2016. (SCI-Expanded, Scopus)
33. Karakoç M.B., Türkmen İ., Maras M.M., Kantarcı F., Demirboğa R., "Sulfate Resistance of Ferrochrome Slag Based Geopolymer Concrete," Ceramics International, Vol.42, No.1, pp.1254–1260, 2016. (SCI-Expanded, Scopus)
34. Karakoç M.B., Türkmen İ., Maras M.M., Kantarcı F., Demirboğa R., Toprak M.U., "Mechanical Properties and Setting Time of Ferrochrome Slag Based Geopolymer Paste and Mortar," Construction and Building Materials, Vol.72, pp.283–292, 2014. (SCI-Expanded, Scopus)

**CONFERENCE PAPERS**

1. Maraş M.M., Küçük Ü., "Disposing and Recycling of Post-Earthquake Demolition Waste and the Role of Central and Local Governments in the Process," Disaster, Environment and Law Congress, Malatya, Türkiye, 10–12 October 2024. (Abstract Paper)
2. Maraş M.M., Küçük Ü., "Disposal and Recycling of Post-Earthquake Demolition Waste and the Roles of Central and Local Administrations in the Process," International Disaster, Environment and Law Congress, Malatya, Türkiye, 10–12 October 2024, pp.1–2. (Abstract Paper)
3. Maraş M.M., "Rheology of High Strength Geopolymer Composites and Its Application on Masonry Walls Using Shotcrete," 14th International Congress on Advances in Civil Engineering, İstanbul, Türkiye, 6–8 September 2021. (Full Text Paper)
4. Maraş M.M., "Determination of Earthquake Performance of a Reinforced Concrete Building in Malatya-Battalgazi District According to the 2018 Turkish Earthquake Code," 5th International Battalgazi Scientific Studies Congress, Malatya, Türkiye, 18–20 December 2020. (Abstract Paper)
5. Maraş M.M., "Investigation of Structural Behavior of CFRP Strengthened Masonry Walls by Macro Modeling Technique," 5th International GAP Mathematics, Engineering Science and Health Sciences Congress, Şanlıurfa, Türkiye, 4–6 December 2020. (Full Text Paper)
6. Maraş M.M., Kösem M.M., "Mechanical Properties of Geopolymer Panel Composites with Different Types of

Geosynthetics," Sixteenth Young Researchers Conference Science and Engineering, 6–8 December 2017.
7. Kösem M.M., Maraş M.M., "Non-Destructive Testing and Assessment Analysis of Old Structures: A Case Study – Battalgazi, Turkey," CBU International Conference, Prague, Czech Republic, 21–23 March 2018. (Summary Text)
8. Maraş M.M., Kösem M.M., "Microstructural Characterization and Mechanical Properties of Heritage Structures," CBU International Conference, Prague, Czech Republic, 21–23 March 2018. (Summary Text)
9. Maraş M.M., "Geopolymer Grouts as Seismic Strengthening of Heritage Structures," The 4th International Conference: The Importance of Place, Sarajevo, Bosnia and Herzegovina, 20–23 October 2017. (Summary Text)
10.Maraş M.M., "Seismic Retrofitting Conventional Methods for Historical Constructions," The 4th International Conference: The Importance of Place, Sarajevo, Bosnia and Herzegovina, 20–23 October 2017. (Summary Text)
11. Maraş M.M., "Assessment of Seismic Hazards for Unreinforced Masonry Structures in Turkey," The 4th International Conference: The Importance of Place, Sarajevo, Bosnia and Herzegovina, 20–23 October 2017. (Summary Text)
12. Maraş M.M., "Seismic Retrofitting Conventional Methods for Historical Constructions," III International Conference on Sustainable Development, Sarajevo, Bosnia and Herzegovina, 19–23 April 2017. (Full Text Paper)
13. Maraş M.M., "Investigation into Strengthening and Rehabilitation Methods for Old Masonry Structures," International Energy and Engineering Conference, Gaziantep, Türkiye, 13–14 October 2016. (Summary Text)
14. Maraş M.M., "Non-Destructive Testing Techniques in Historical Buildings," International Conference on Natural Science and Engineering, Kilis, Türkiye, 19–20 March 2016. (Full Text Paper)
15. Maraş M.M., "Assessment of Damage Observed in Masonry and Historic Buildings," International Conference on Natural Science and Engineering, Kilis, Türkiye, 19–20 March 2016. (Full Text Paper)
16. Karakoç M.B., Türkmen İ., Maraş M.M., Kantarcı F., Demirboğa R., "Investigation of Ferrochrome Slag Based Geopolymer Concrete under Sulfate Attack," International Journal of Arts and Sciences Conference, Rome, Italy, 19–22 October 2015, Vol.8, pp.63–70. (Full Text Paper)
17. Karakoç M.B., Türkmen İ., Maraş M.M., Kantarcı F., Demirboğa R., Toprak M.U., "Mechanical Properties and Setting Time of Geopolymer Paste and Mortar Produced from Ferrochrome Slag," International Conference on Renewable Energy Research and Applications (ICRERA), Madrid, Spain, 20–23 October 2013, pp.52–57. (Full Text Paper)
18. Türkmen İ., Karakoç M.B., Kantarcı F., Maraş M.M., Demirboğa R., "Fire Resistance of Geopolymer Concrete Produced from Ferrochrome Slag by Alkali Activation Method," International Conference on Renewable Energy Research and Applications (ICRERA), Madrid, Spain, 20–23 October 2013, pp.58–63. (Full Text Paper)