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International Researcher IDs
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Education

Doctorate, Izmir Institute Of Technology, Mühendislik ve Fen Bilimleri Enstitüsü, Makina Mühendisliği Anabilim Dalı, Turkey 2004 - 2010
Postgraduate, Izmir Institute Of Technology, Mühendislik ve Fen Bilimleri Enstitüsü, Malzeme Bilimi ve Mühendisliği Anabilim Dalı, Turkey 2001 - 2004
Undergraduate, Yildiz Technical University, Faculty Of Chemıcal And Metallurgıcal Engıneerıng, Metalurji Mühendisliği Bölümü, Turkey 1996 - 2000

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, THE USE OF PAPER PROCESSING RESIDUES IN THE DEVELOPMENT OF CERAMICS WITH IMPROVED THERMAL INSULATION PROPERTIES, Izmir Institute Of Technology, Mühendislik ve Fen Bilimleri Enstitüsü, Makina Mühendisliği Anabilim Dalı, 2010
Postgraduate, Devolopment of dense ceramic tiles from mixtures of alumina powders with different PSD, Izmir Institute Of Technology, Mühendislik ve Fen Bilimleri Enstitüsü, Malzeme Bilimi ve Mühendisliği Anabilim Dalı, 2004

Research Areas

Avesis Research Areas: Dentistry, Industrial and Hazardous Waste Management, Pollution Prevention and Waste Reduction, Materials in Civil Engineering, Metallurgical and Materials Engineering, Material science and engineering, Ceramic Materials, Mechanical Properties, Physical Properties, Composites, Cement and Concrete, Glass Technology and Glass Ceramics, Material Characterization, Thermal Properties, Production Metallurgy, Recycling Processes, Powder Metallurgy
WoS Research Areas: Metallurgy & Metallurgical Engineering, Materials Science Coatings & Films, Materials Science

Characterization & Testing, Construction & Building Technology, Engineering Computing & Technology (Eng), Engineering, Materials Science, Materials Science Biomaterials, Materials Science Multidisciplinary, Materials Science Composites, Materials Science Ceramics

Scopus Research Areas: Materials Chemistry, Ceramics and Composites, Materials Science (miscellaneous), General Materials Science, Building and Construction, Mechanics of Materials, General Engineering

Academic Positions

Professor, Manisa Celal Bayar University, MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ, METALURJİ VE MALZEME MÜHENDİSLİĞİ, 2023 - Present

Professor, Izmir Katip Celebi University, Mühendislik ve Mimarlık Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, 2022 - 2023

Professor, Izmir Katip Celebi University, Mühendislik ve Mimarlık Fakültesi, Malzeme Bilimi ve Mühendisliği Bölümü, 2022 - 2022

Associate Professor, Izmir Katip Celebi University, Mühendislik ve Mimarlık Fakültesi, Malzeme Bilimi ve Mühendisliği Bölümü, 2017 - 2022

Assistant Professor, Izmir Katip Celebi University, Mühendislik ve Mimarlık Fakültesi, Malzeme Bilimi ve Mühendisliği Bölümü, 2012 - 2017

Assistant Professor, Bartin University, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, 2010 - 2012

Research Assistant, Izmir Institute Of Technology, Mühendislik Fakültesi, Makina Mühendisliği Bölümü, 2004 - 2010

Research Assistant, Izmir Institute Of Technology, Mühendislik Fakültesi, Malzeme Bilimi ve Mühendisliği Bölümü, 2001 - 2004

Academic and Administrative Experience

Head of Department, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Metalurji Ve Malzeme Mühendisliği, 2025 - Present

Member of the Faculty Board, Izmir Katip Celebi University, Gemi İnşaatı ve Denizcilik Fakültesi, 2021 - 2023

Faculty Board Member, Izmir Katip Celebi University, Gemi İnşaatı ve Denizcilik Fakültesi, 2021 - 2023

Head of Department, Izmir Katip Celebi University, Mühendislik ve Mimarlık Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, 2022 - 2022

Head of Department, Izmir Katip Celebi University, Fen Bilimleri Enstitüsü, Malzeme Bilimi ve Mühendisliği, 2020 - 2022

Faculty Board Member, Izmir Katip Celebi University, Mühendislik ve Mimarlık Fakültesi, 2020 - 2022

Head of Department, Izmir Katip Celebi University, Mühendislik ve Mimarlık Fakültesi, Malzeme Bilimi ve Mühendisliği Bölümü, 2020 - 2022

Deputy Head of Department, Izmir Katip Celebi University, Mühendislik ve Mimarlık Fakültesi, Malzeme Bilimi ve Mühendisliği Bölümü, 2017 - 2020

Faculty Board Member, Izmir Katip Celebi University, Mühendislik ve Mimarlık Fakültesi, 2012 - 2015

Courses

Postgraduate

Endüstriyel Atıklar ve Malzemelerin Geri Dönüşümü, Postgraduate, 2024 - 2025

Undergraduate

Malzeme Bilimi, Undergraduate, 2024 - 2025, 2023 - 2024

Metalurji ve Malzeme Mühendisliği Tasarımı-II, Undergraduate, 2023-2024

İşletmede Mesleki Eğitim, Undergraduate, 2023-2024

Ceramic Processing, Undergraduate, 2023-2024

Metalurji ve Malzeme Mühendisliği Tasarımı-I, Undergraduate, 2023-2024
Üretim Yöntemleri, Undergraduate, 2023-2024
Refrakter Malzemeler, Undergraduate, 2023-2024
ENG401 Interdisciplinary Engineering Design Project, Undergraduate, 2022-2023
MSE315 Materials Characterization Techniques-I, Undergraduate, 2022-2023
MSETE20 Ceramic Materials, Undergraduate, 2021-2022, 2020-2021, 2019-2020
MSE315 MATERIALS CHARACTERIZATION TECHNIQUES-I, Undergraduate, 2021-2022, 2020-2021
MSE315 Materials Characterization Techniques I, Undergraduate, 2019-2020
MSE311 MATERIALS CHARACTERIZATION TECHNIQUES-II, Undergraduate, 2019-2020, 2016-2017
MSE362 CERAMIC MATERIALS, Undergraduate, 2016-2017, 2014-2015
MSE218 MATERIALS CHARACTERIZATION TECHNIQUES-I, Undergraduate, 2016-2017, 2014-2015, 2013-2014
MSE444 RESEARCH PROJECT , Undergraduate, 2016-2017
MSE317 MECHANICAL BEHAVIORS OF MATERIALS, Undergraduate, 2015-2016
MSE115 INTRODUCTION TO MATERIALS SCIENCE AND ENGINEERING, Undergraduate, 2013-2014
MLZ215 MALZEME LABORATUVARI-I, Undergraduate, 2011-2012
MLZ303 DEMİR ÇELİK ÜRETİMİ, Undergraduate, 2011-2012

Undergraduate Minor

MSE600 PHD THESIS, Undergraduate Minor, 2019-2020, 2016-2017
MSE689 SPECIAL STUDIES, Undergraduate Minor, 2016-2017

Undergraduate Double Major

Seramik Malzemelerin Üretim Süreçleri, Undergraduate Double Major, 2023-2024
MBM501 SERAMİK MALZEMELERİN ÜRETİM SÜREÇLERİ, Undergraduate Double Major, 2021-2022, 2020-2021, 2019-2020
MSE531 PROCESSING OF CERAMIC MATERIALS, Undergraduate Double Major, 2020-2021, 2013-2014
MYL500 YL Tez, Undergraduate Double Major, 2019-2020
MSE589 SPECIAL STUDIES, Undergraduate Double Major, 2016-2017
MSE500 MSC THESIS, Undergraduate Double Major, 2016-2017

Supervised Theses

Sütçü M., Genleştirilmiş Kil Agregası Üretiminde Endüstriyel Atıkların Değerlendirilmesi, Postgraduate, H.ATA(Student), 2026
Sütçü M., Kağıt Endüstrisi Atığının Kompozit Fren Balatalarının Sürtünme Performansına Etkisinin Araştırılması, Postgraduate, S.YALIN(Student), 2025
Akkurt S., Sütçü M., Production and characterization of composed-based friction materials for safety cluthes in aviation applications, Postgraduate, O.KARABULUT(Student), 2024
Sütçü M., Recycling of dental zirconia residuals resulting from CAD/CAM milling process, Postgraduate, M.TORMAN(Student), 2022
Sütçü M., Assessment of sugar industry solid waste in the production of calcium alumina silicate based ceramics, Doctorate, V.SELİN(Student), 2021
Yalamaç E., Sütçü M., Dental uygulamalar için çinko oksit katkılı lityum silikat cam-seramik blokların üretimi ve karakterizasyonu, Postgraduate, A.ÇİDEM(Student), 2021
Sütçü M., Sever K., Experimental and mathematical modeling studies on thermoplastic composites filled with organic and inorganic residues, Doctorate, N.KÜÇÜKDOĞAN(Student), 2020
Sütçü M., Atan E., Development of microstructural and mechanical properties of aluminum alloys by equal channel angular pressing (ECAP) process, Postgraduate, M.MAHSUN(Student), 2018
Yalamaç E., Sütçü M., İşlenebilir lösit esaslı cam-seramiklerin üretimi ve karakterizasyonu, Postgraduate, E.SILA(Student), 2018
Sütçü M., Çalışanlarda iş kazası riskine yönelik çalışma ortamı ve demografik değişkenlerin belirleyici etkisinin incelenmesi, Postgraduate, C.ŞAHİN(Student), 2018

Atan E., Sütçü M., Characterization of clay brick materials produced with red mud and nut shell wastes for building applications, Postgraduate, A.SADIK(Student), 2017
Ziylan A., Sütçü M., Dental uygulamalar için opak porselen toz üretimi ve karakterizasyonu, Postgraduate, G.TÜNAYDIN(Student), 2016
Sütçü M., Okur S., Investigation of tunable wetting properties of modified natural mineral powders, Postgraduate, H.ALPTEKİN(Student), 2015
Sütçü M., Gök M. S., Hafif refrakter izolasyon tuğlalarının geliştirilmesi ve özelliklerinin incelenmesi, Postgraduate, S.DAL(Student), 2014

Jury Memberships

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, İzmir Katip Çelebi Üniversitesi, January, 2026
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, December, 2025
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Dokuz Eylül Üniversitesi, November, 2025
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Manisa Celal Bayar Üniversitesi, November, 2025
Associate Professor Exam, Associate Professor Exam, Üniversitelerarası Kurul ÜAK, April, 2025
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Dokuz Eylül Üniversitesi, January, 2025
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, İzmir Katip Çelebi Üniversitesi, September, 2024
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Bartın Üniversitesi, September, 2024
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Marmara Üniversitesi, February, 2024
Associate Professor Exam, Associate Professor Exam, December, 2023
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Dokuz Eylül Üniversitesi, October, 2023
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Karabük Üniversitesi, October, 2023
Associate Professor Exam, Associate Professor Exam, Manisa Celal Bayar University, September, 2023
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Nevşehir Hacı Bektaş Veli Üniversitesi, September, 2023
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Yaşar Üniversitesi, August, 2023
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, İzmir Katip Çelebi Üniversitesi, June, 2023
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Nevşehir Hacı Bektaş Veli Üniversitesi, February, 2023
Assistant Professorship Appointment Committee, Assistant Professorship Appointment Committee, İzmir Katip Çelebi Üniversitesi, November, 2022
Assistant Professorship Appointment Committee, Assistant Professorship Appointment Committee, Manisa Celal Bayar Üniversitesi, November, 2022

Research Infrastructure Information

Sütçü M., Öztürk S., Sürdürülebilir Malzemeler ve Geri Dönüşüm Teknolojileri Laboratuvarı, December 2025

Articles

I. **Sustainable geopolymers incorporating PCM-impregnated paper pulp sludge for energy-efficient building applications**
ÖZTÜRK S., SÜTÇÜ M., KÜÇÜKDOĞAN ÖZTÜRK N., Ustaoglu A., Gencel O., Yaprak H., Memis S., SARI A., HEKİMOĞLU G., Erdogmus E., et al.
STRUCTURAL CONCRETE, 2026 (SCI-Expanded, Scopus)

II. **Effects of ECAP Processing Temperature and Number of Passes on the Mechanical Behavior of CuAg0.1 Alloy**
Atan E., Rasheed M., Öncül M., Akyüz O., SÜTÇÜ M.
Metals, vol.16, no.8, 2026 (SCI-Expanded, Scopus)

III. **Performance Evaluation of Lignocellulosic Fiber-Reinforced Brake Pads Using Hybrid Optimization Techniques**
Karasulu D. C., Öncül M., Özcan O., Sütçü M.
Polymer Composites, vol.47, no.8, pp.7657-7674, 2026 (SCI-Expanded, Scopus)

IV. **Development of lightweight high-alumina cement mortars integrated with n-octadecane/expanded vermiculite for improving building energy efficiency**
Öztürk S., Küçükdoğan Öztürk N., Gencel O., Sütçü M., Ustaoglu A., Sarı A., Hekimoğlu G., Erdogmus E.
Construction and Building Materials, vol.506, 2026 (SCI-Expanded, Scopus)

V. **Effect of Thermal Treatment on the Tribological Performance of Non-Asbestos Brake-Pad Composites Containing Quartz-Composite Stone Polishing Waste**
SÜTÇÜ M., Öncül M., Sevik M. K., Şahin T., Uygun A. B., Özcan O.
Polymer Composites, 2026 (SCI-Expanded, Scopus)

VI. **Effect of Fe2O3 and FeOOH dopants on the optical and mechanical properties of 4Y-TZP dental ceramics**
Ergani E. S., YALAMAÇ E., SÜTÇÜ M.
Ceramics International, 2026 (SCI-Expanded, Scopus)

VII. **DEVELOPMENT OF COMPOSITE FRICTION MATERIALS FOR SAFETY CLUTCHES IN AVIATION APPLICATIONS**
Karabulut O., Çelik C., Eş C., Akkurt S., Sütçü M.
Mühendis ve Makina, vol.66, no.721, pp.606-625, 2025 (TRDizin)

VIII. **Photocatalytic performance and characterization of tungsten oxide powders recycled from cutting tool wastes**
Kaya N., Yavas A., SÜTÇÜ M., Karaman M.
INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY, vol.22, no.6, 2025 (SCI-Expanded, Scopus)

IX. **Recycling waste polyethylene foam into fired clay bricks: A sustainable solution for lightweight and thermally efficient building materials**
Yavaş A., Kalkan Ş. O., SÜTÇÜ M., Gündüz L.
Construction and Building Materials, vol.473, 2025 (SCI-Expanded, Scopus)

X. **Phase change material incorporated paper pulp sludge/gypsum composite reinforced by slag and fly ash for energy efficient buildings: Solar thermal regulation, embody energy, sustainability index and cost analysis**
KÜÇÜKDOĞAN ÖZTÜRK N., SÜTÇÜ M., ÖZTÜRK S., Yaprak H., Memis S., Gencel O., Ustaoglu A., SARI A., HEKİMOĞLU G., Erdogmus E.
Energy and Buildings, vol.325, 2024 (SCI-Expanded, Scopus)

XI. **Production and Characterization of Porous Anorthite Ceramics Using Sugar Process Solid Waste, Chamotte and Coal Powder Additives**
KAYA V. S., SÜTÇÜ M., YALAMAÇ E., ERTUĞRUL O.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.26, no.78, pp.433-439, 2024 (TRDizin)

XII. **Preparation and performance evaluation of waste tuff-modified bricks for sustainable built**

environment: Effect of firing temperature and molding pressure
SÜTÇÜ M., Faisal M. S., Danish A., Erdogmus E., Gencel O., Ozbakkaloglu T.
Construction and Building Materials, vol.420, 2024 (SCI-Expanded, Scopus)

XIII. **Visible light-induced self-cleaning ZnO coated-clay roofing tiles: The role of coating concentration on structural and photocatalytic properties**
Yavaş A., Güneş F., EROL M., SÜTÇÜ M., ÖZDEMİR E. T.
Surfaces and Interfaces, vol.46, 2024 (SCI-Expanded, Scopus)

XIV. **Performance evaluation of phosphor-based luminescent bricks using different coating methods**
Gencel O., Danish A., Yilmaz M., Erdogmus E., SÜTÇÜ M., Sadak F., Ozbakkaloglu T.
Renewable and Sustainable Energy Reviews, vol.191, 2024 (SCI-Expanded, Scopus)

XV. **Developing Wallpaper/Dodecyl alcohol composite phase change materials as new kind of wall covering elements for building interior thermoregulation**
Gencel O., Ustaoglu A., SARI A., HEKİMOĞLU G., SÜTÇÜ M., Tozluoglu A., Tutus A., Cicekler M., Veer Tyagi V.
Thermal Science and Engineering Progress, vol.46, 2023 (SCI-Expanded, Scopus)

XVI. **Recycling of dolomite powder in clay bricks: Effects on characteristics and gas release**
Kizinievič O., Gencel O., Kizinievič V., SÜTÇÜ M., Skamat J.
Construction and Building Materials, vol.404, 2023 (SCI-Expanded, Scopus)

XVII. **Effect of molding pressure and firing temperature on the properties of ceramics from natural zeolite**
Erdogmus E., SÜTÇÜ M., Hossain S., Bayram M., SARI A., Gencel O., Ozbakkaloglu T.
Construction and Building Materials, vol.402, 2023 (SCI-Expanded, Scopus)

XVIII. **Enhancing thermal efficiency and durability of sintered clay bricks through incorporation of polymeric waste materials**
Erdogmus E., SÜTÇÜ M., Gencel O., Kazmi S. M. S., Munir M. J., Velasco P. M., Ozbakkaloglu T.
Journal of Cleaner Production, vol.420, 2023 (SCI-Expanded, Scopus)

XIX. **Assessing technological properties and environmental impact of fired bricks made by partially adding bottom ash from an industrial approach**
Muñoz P., Letelier V., Muñoz L., Gencel O., SÜTÇÜ M., Vasic M.
Construction and Building Materials, vol.396, 2023 (SCI-Expanded, Scopus)

XX. **Self-cleaning and photocatalytic properties of eco-friendly clay-based facing bricks from industrial and natural wastes**
Yavaş A., Atan E., SÜTÇÜ M.
Environmental Science and Pollution Research, vol.30, no.32, pp.78152-78167, 2023 (SCI-Expanded, Scopus)

XXI. **Green 3-step synthesis of bioactive wollastonite from industrial wastes: effects of sintering temperature, sintering time and milling time**
Güler S., Yavaş A., Pulat G., Özcan Ş., Karaman O., SÜTÇÜ M.
Journal of the Australian Ceramic Society, vol.59, no.3, pp.605-620, 2023 (SCI-Expanded, Scopus)

XXII. **Synergic effect of recycled paper sludge and expanded perlite on the engineering properties of porous clay bricks: A new mathematical modelling approach**
SÜTÇÜ M., ÖZTÜRK S., Gencel O.
Construction and Building Materials, vol.370, 2023 (SCI-Expanded, Scopus)

XXIII. **Basalt fiber reinforced foam concrete with marble waste and calcium aluminate cement**
Bayraktar O., Yarar G., Benli A., KAPLAN G., Gencel O., SÜTÇÜ M., Kozlowski M., Kadela M.
STRUCTURAL CONCRETE, vol.24, no.1, pp.1152-1178, 2023 (SCI-Expanded, Scopus)

XXIV. **Toxic gas removal with kaolinite, metakaolinite, radiolarite, and diatomite**
Bayram A., Arkan E., SÜTÇÜ M.
Chemosphere, vol.314, 2023 (SCI-Expanded, Scopus)

XXV. **Assessment of Mineralogical Characteristics of Clays and the Effect of Waste Materials on Their Index Properties for the Production of Bricks**
Danish A., Totiç E., Bayram M., SÜTÇÜ M., Gencel O., Erdoğmuş E., Ozbakkaloglu T.
Materials, vol.15, no.24, 2022 (SCI-Expanded, Scopus)

XXVI. **Development, characterization, and performance analysis of shape-stabilized phase change material**

included-geopolymer for passive thermal management of buildings
Gencel O., Harja M., SARI A., HEKİMOĞLU G., Ustaoğlu A., SÜTÇÜ M., Erdogmus E., KAPLAN G., Bayraktar O. Y.
International Journal of Energy Research, vol.46, no.15, pp.21841-21855, 2022 (SCI-Expanded, Scopus)

XXVII. **Characteristics, energy saving and carbon emission reduction potential of gypsum wallboard containing phase change material**
Yaras A., Ustaoglu A., Gencel O., SARI A., HEKİMOĞLU G., SÜTÇÜ M., Erdogmus E., KAPLAN G., Bayraktar O. Y.
Journal of Energy Storage, vol.55, 2022 (SCI-Expanded, Scopus)

XXVIII. **Experimental evaluation of the luminescence performance of fired clay brick coated with SrAl2O4:Eu/Dy phosphor**
Gencel O., Danish A., Yilmaz M., Erdogmus E., SÜTÇÜ M., Ozbakkaloglu T., Gholampour A.
Ceramics International, vol.48, no.22, pp.33167-33176, 2022 (SCI-Expanded, Scopus)

XXIX. **Recycling of marble cutting waste additives in fired clay brick structure: a statistical approach to process parameters**
Erdogmus E., Yaras A., SÜTÇÜ M., Gencel O.
Environmental Science and Pollution Research, vol.29, no.47, pp.71936-71947, 2022 (SCI-Expanded, Scopus)

XXX. **Recycling of metallurgical wastes in ceramics: A sustainable approach**
Er Y., SÜTÇÜ M., Gencel O., Totiç E., Erdogmus E., Cay V. V., Munir M. J., Kazmi S. M. S.
Construction and Building Materials, vol.349, 2022 (SCI-Expanded, Scopus)

XXXI. **Fabrication of Porous Anorthite Ceramics Using Eggshell Waste as a Calcium Source and Expanded Polystyrene Granules**
Torman Kayalar M., Erdogan G., Yavas A., Güler S., SÜTÇÜ M.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.25, no.3, pp.1235-1241, 2022 (ESCI, TRDizin)

XXXII. **Development of visible light active self-cleaning clay roofing tiles as novel building materials: An investigation on the effects of α-Fe2O3 coating and firing temperature**
Yavaş A., Güneş F., EROL M., SÜTÇÜ M., Güler S., Torman Kayalar M., KESKİN Ö. Y.
Journal of Cleaner Production, vol.362, 2022 (SCI-Expanded, Scopus)

XXXIII. **An experimental approach to a cementitious lightweight composite mortar using synthetic wollastonite**
Kalkan Ş. O., Yavaş A., Güler S., Torman Kayalar M., SÜTÇÜ M., Gündüz L.
Construction and Building Materials, vol.341, 2022 (SCI-Expanded, Scopus)

XXXIV. **Preparation and characterization of anorthite ceramics from sugar production solid waste: a statistical analysis of grinding parameters**
Kaya V. S., SÜTÇÜ M., YALAMAÇ E.
Journal of the Australian Ceramic Society, vol.58, no.3, pp.1025-1037, 2022 (SCI-Expanded, Scopus)

XXXV. **Foam Concrete Produced with Recycled Concrete Powder and Phase Change Materials**
Gencel O., Nodehi M., HEKİMOĞLU G., Ustaoğlu A., SARI A., KAPLAN G., Bayraktar O. Y., SÜTÇÜ M., Ozbakkaloglu T.
Sustainability (Switzerland), vol.14, no.12, 2022 (SCI-Expanded, SSCI, Scopus)

XXXVI. **Effects of expanded vermiculite on the properties of fired bricks from water treatment sludge**
Gencel O., Kizinievic O., SÜTÇÜ M., Erdogmus E., Velasco P. M., Eliche-Quesada D., Kizinievic V., Kurmus H.
International Journal of Applied Ceramic Technology, vol.19, no.3, pp.1214-1226, 2022 (SCI-Expanded, Scopus)

XXXVII. **Production and characterization of natural clay-free green building brick materials using water treatment sludge and oak wood ash**
Harja M., Gencel O., SARI A., SÜTÇÜ M., Erdogmus E., HEKİMOĞLU G.
Archives of Civil and Mechanical Engineering, vol.22, no.2, 2022 (SCI-Expanded, Scopus)

XXXVIII. **Manufacturing of fired bricks derived from wastes: utilization of water treatment sludge and concrete demolition waste**
Gencel O., Kizinievic O., Erdogmus E., Kizinievic V., SÜTÇÜ M., Muñoz P.
Archives of Civil and Mechanical Engineering, vol.22, no.2, 2022 (SCI-Expanded, Scopus)

XXXIX. **Investigation of physico-mechanical, thermal properties and solar thermoregulation performance of shape-stable attapulgite based composite phase change material in foam concrete**
Gencel O., Ustaoglu A., Benli A., HEKİMOĞLU G., SARI A., Erdogmus E., SÜTÇÜ M., KAPLAN G., Yavuz Bayraktar O.

Solar Energy, vol.236, pp.51-62, 2022 (SCI-Expanded, Scopus)

XL. **Low cost and eco-friendly building materials derived from wastes: Combined effects of bottom ash and water treatment sludge**
SÜTÇÜ M., Gencel O., Erdogmus E., Kizinievic O., Kizinievic V., Karimipour A., Velasco P. M.
Construction and Building Materials, vol.324, 2022 (SCI-Expanded, Scopus)

XLI. **Effect of nanofiber as nanopore maker agent on the performance of clinker bricks**
Arslan C., Borazan I., Gencel O., Erdogmus E., SÜTÇÜ M.
Construction and Building Materials, vol.324, 2022 (SCI-Expanded, Scopus)

XLII. **Cement based-thermal energy storage mortar including blast furnace slag/capric acid shape-stabilized phase change material: Physical, mechanical, thermal properties and solar thermoregulation performance**
Gencel O., Yaras A., HEKİMOĞLU G., Ustaoglu A., Erdogmus E., SÜTÇÜ M., SARI A.
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2. The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology (IMSMATEC 2019), Session Moderator, Nevşehir, Turkey, 2019
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Non Academic Experience

Business Establishment Private, Dönmez Debriyaj San.Tic.A.Ş., Ar-Ge Merkezi, Akademik Proje Danışmanı
Business Establishment Private, Atlas-Enta Dişçilik San.Tic.A.Ş., Ar-Ge Laboratuvarı, Akademik Danışman
Business Establishment Private, Peker Yüzey Tasarımları San.Tic.A.Ş. (Belenco Kuvars Yüzeyler), Ar-Ge Merkezi, Proje Danışmanı