

## Assoc. Prof. GÖKTUĞ GÜNKAYA

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: W-1604-2017

ScopusID: 6508193940

Yoksis Researcher ID: 54966

### Education Information

Doctorate, Anadolu University, FEN BİLİMLERİ ENSTİTÜSÜ, Seramik Mühendisliği (Dr), Turkey 2002 - 2008

Postgraduate, Anadolu University, FEN BİLİMLERİ ENSTİTÜSÜ, Seramik Mühendisliği (YI) (Tezli), Turkey 1998 - 2001

Undergraduate, Anadolu University, MÜHENDİSLİK - MİMARLIK FAKÜLTESİ, SERAMİK MÜHENDİSLİĞİ BÖLÜMÜ, Turkey 1994 - 1998

### Dissertations

Doctorate, Nanokristalin SnO<sub>2</sub> sentezlenmesi ve elektroforez kaplama yöntemiyle sensör üretimi, Anadolu University, FEN BİLİMLERİ ENSTİTÜSÜ, Seramik Mühendisliği (Dr), 2008

Postgraduate, SrO-MgO-ZrO<sub>2</sub>-SiO<sub>2</sub> sistem camlarının kimyasal dayanımlarının iyileştirilmesi, Anadolu University, FEN BİLİMLERİ ENSTİTÜSÜ, Seramik Mühendisliği (YI) (Tezli), 2001

### Research Areas

Ceramic Materials, Semiconductor and Superconductor Materials, Glass Technology and Glass Ceramics, Plating, Material Characterization, Nanomaterials

### Academic Titles / Tasks

Assistant Professor, Anadolu University, GÜZEL SANATLAR FAKÜLTESİ, CAM BÖLÜMÜ, 2015 - Continues

Assistant Professor, Anadolu University, GÜZEL SANATLAR FAKÜLTESİ, SERAMİK-CAM BÖLÜMÜ (ESKİ), 2013 - 2015

Lecturer, Anadolu University, GÜZEL SANATLAR FAKÜLTESİ, CAM BÖLÜMÜ, 2010 - 2013

### Academic and Administrative Experience

Anadolu University, 2018 - Continues

Anadolu University, 2015 - 2017

Anadolu University, 2013 - 2015

## Courses

CAM TEKNOLOJİSİ VE UYGULAMA II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

CAM TEKNOLOJİSİ VE UYGULAMA I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

CAM ATÖLYELERİ FIRIN YAPIMI, Undergraduate, 2021 - 2022, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2012 - 2013, 2011 - 2012, 2009 - 2010, 2008 - 2009, 2007 - 2008

CAM SÜREÇLERİ, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2012 - 2013, 2011 - 2012

CAM FIRIN DİYAGRAMLARI, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2016 - 2017, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

CAM KAPLAMA TEKNİKLERİ I, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

CAM KAPLAMA TEKNİKLERİ II, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2016 - 2017

SEMİNER, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017

CAM FIRINLARI, Undergraduate, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

CAM FIRIN TASARIMI, Undergraduate, 2017 - 2018

MALZEME, Undergraduate, 2016 - 2017, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

CAM TEKNOLOJİSİNE GİRİŞ, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014

MALZEME B, Undergraduate, 2015 - 2016

MALZEME A, Undergraduate, 2015 - 2016

CAM TEKNOLOJİSİ I, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

CAM TEKNOLOJİSİ II, Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012

UZMANLIK ALAN DERSİ, Undergraduate, 2013 - 2014

KİMYA, Undergraduate, 2011 - 2012, 2010 - 2011

## Advising Theses

GÖKTUĞ G., Cam yüzeyinin hidrofobik özelliğinin fiziksel ve kimyasal modifikasyon yoluyla iyileştirilmesi, Doctorate, Y.OKUMUŞ(Student), 2020

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A FACILE APPROACH FOR THE EFFECT OF SOLUTION, CATALYST AND TEMPERATURE ON THE SYNTHESIS OF GLASS POWDER BY THE SOL-GEL METHOD**  
Okumus Y., GÜNKAYA G.  
REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS, vol.49, no.4, pp.455-460, 2019 (SCI-Expanded)
- II. **The usage of newly developed glass fibre in cement structure and their characterization**  
Yurdakul A., DÖLEKÇEKİÇ E., GÜNKAYA G., KAVAS T., KARASU B.  
CONSTRUCTION AND BUILDING MATERIALS, vol.170, pp.13-19, 2018 (SCI-Expanded)
- III. **Effect of Al<sub>2</sub>O<sub>3</sub> Nanofiller on ion conductivity, transmittance, and glass transition temperature of PEI: LiTFSI: PC: EC polymer electrolytes**  
Sakarya O., KURAMA S., GÜNKAYA G.  
JOURNAL OF POLYMER RESEARCH, vol.24, no.1, 2016 (SCI-Expanded)
- IV. **Electrospray deposition of SnO<sub>2</sub> films from precursor solution**  
GÜRBÜZ M., GÜNKAYA G., DOĞAN A.  
SURFACE ENGINEERING, vol.32, no.10, pp.725-732, 2016 (SCI-Expanded)
- V. **Novel glass compositions for fiber drawing**  
Yurdakul A., GÜNKAYA G., DÖLEKÇEKİÇ E., KAVAS T., KARASU B.

CERAMICS INTERNATIONAL, vol.41, no.10, pp.13105-13114, 2015 (SCI-Expanded)

- VI. **Spinel nitrides transparent ceramics**  
Kaplan S. S., KURAMA S., GÜNKAYA G.  
Journal of the European Ceramic Society, vol.35, no.12, pp.3255-3262, 2015 (SCI-Expanded)
- VII. **Electrophoretic Deposition of SnO<sub>2</sub> Nanoparticles and Its LPG Sensing Characteristics**  
GÜNKAYA G., GÜRBÜZ M., Dogan A.  
JOURNAL OF SENSORS, vol.2015, 2015 (SCI-Expanded)
- VIII. **The production of beta-SiAlON ceramics with low amounts of additive, at low sintering temperature**  
Eser O., KURAMA S., GÜNKAYA G.  
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.30, no.14, pp.2985-2990, 2010 (SCI-Expanded)
- IX. **EVALUATION OF SILVER CONTENT AND ANTIBACTERIAL ACTIVITIES OF SILVER LOADED FIBER/COTTON BLENDED TEXTILE FABRICS**  
Ureyen M. E., GÖK Ö., ATEŞ M., GÜNKAYA G., SÜZER Ş.  
TEKSTİL VE KONFEKSİYON, vol.20, no.2, pp.137-144, 2010 (SCI-Expanded)
- X. **Effect of transition metal oxide additions on the chemical durability of SrO-MgO-ZrO<sub>2</sub>-SiO<sub>2</sub> glasses**  
Arslan G., KARASU B., DÖLEKÇEKİÇ E., KAYA G., GÜNKAYA G.  
GLASS TECHNOLOGY-EUROPEAN JOURNAL OF GLASS SCIENCE AND TECHNOLOGY PART A, vol.50, no.1, pp.17-24, 2009 (SCI-Expanded)
- XI. **Electrophoretic deposition of nano-sized BaTiO<sub>3</sub>**  
Dogan A., Gunkaya G., Suvaci E., Niederberger M.  
JOURNAL OF MATERIALS SCIENCE, vol.41, no.24, pp.8196-8201, 2006 (SCI-Expanded)
- XII. **Electrophoretic deposition of nanocrystalline BaTiO<sub>3</sub> in ethanol medium**  
Dogan A., Gunkaya G., Suvaci E., Niederberger M.  
ELECTROPHORETIC DEPOSITON: FUNDAMENTALS AND APPLICATIONS II, vol.314, pp.133-139, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **An EBSD Study on Crystallization of CaO-MgO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> (CMAS) Glass**  
BAŞKUT S., DÖLEKÇEKİÇ E., GÜNKAYA G., KAVAS T.  
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.10, no.2, pp.216-229, 2022 (Peer-Reviewed Journal)
- II. **Endüstriyel Atık Çamurlardan Elde Edilen Vitriye Ürünlerle İlgili Bir Değerlendirme**  
Bozkurt B., GÜNKAYA Z., ÖZKAN A., GÜNKAYA G., BANAR M.  
International journal of advances in engineering and pure sciences (Online), vol.34, no.1, pp.27-37, 2021 (Peer-Reviewed Journal)
- III. **Hydrophobic Modification of Glass Surface by Using Sol-Gel Synthesized Glass Powder as A Surface Roughness Promoter**  
OKUMUŞ Y., GÜNKAYA G.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.9, no.2, pp.616-624, 2021 (Peer-Reviewed Journal)
- IV. **Electron Microscopy Observations on Glass Fiber Reinforced Concrete (GFRC) Materials**  
YURDAKUL A., GÜNKAYA G., KAVAS T., DÖLEKÇEKİÇ E., KARASU B.  
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.14, pp.185-191, 2014 (Peer-Reviewed Journal)
- V. **Characterization of Commercially Available Alkali Resistant Glass Fiber for Concrete Reinforcement and Chemical Durability Comparison with SrO Mn<sub>2</sub>O<sub>3</sub> Fe<sub>2</sub>O<sub>3</sub> MgO ZrO<sub>2</sub> SiO<sub>2</sub> SMFMZS System Glasses**  
YURDAKUL A., DÖLEKÇEKİÇ E., KARASU B., GÜNKAYA G.  
Eskişehir Technical University Journal of Science and and Technology A- Applied Sciences and Engineering, 2012 (Peer-Reviewed Journal)
- VI. **Electrophoretic deposition of nanocrystalline BaTiO<sub>3</sub> in ethanol medium**

DOĞAN A., GÜNKAYA G., SUVACI E., Niederberger M.

Key Engineering Materials, vol.314, pp.133-140, 2006 (Scopus)

VII. **Chemical durability behaviour of bulk glasses in the SrO-Mn<sub>2</sub>O<sub>3</sub>-Fe<sub>2</sub>O<sub>3</sub>-MgO-ZrO<sub>2</sub>-SiO<sub>2</sub> (SMFMZS) system**

KARASU B., ARSLAN G., GÜNKAYA G., TURAN S.

Key Engineering Materials, no.213 PART 3, pp.2105-2108, 2001 (Scopus)

VIII. **Camın Betonun Kuvvetlendirilmesinde Kullanımı**

KARASU B., GÜNKAYA G.

Seramik Sanat, Bilim ve Teknoloji Dergisi, 2001 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **VITRIFICATION OF HEAVY METAL-CONTAINING WASTE SLUDGE INTO WASTE GLASS**  
Bozkurt B., GÜNKAYA Z., ÖZKAN A., GÜNKAYA G., BANAR M.  
9th Global Conference on Global Warming (GCGW-2021), Croatia, 1 - 04 August 2021
- II. **KALIPLA CAM ŞEKİLLENDİRME TEKNİĞİNDE RENKLİ CAMIN KULLANIMI**  
Sarı A., GÜNKAYA G.  
AART Uluslararası Anadolu Sanat Sempozyumu, Turkey, 15 - 16 April 2021
- III. **Carbon Nanomaterials Production from the Gas Product of Composite Packaging Waste Pyrolysis**  
YAPICI E., ÖZKAN A., GÜNKAYA Z., GÜNKAYA G., BANAR M.  
International Biological, Agricultural and Life Science Congress (BIALIC), Lviv, Ukraine, 7 - 08 November 2019, pp.421-425
- IV. **ANTIBACTERIAL EFFECT OF SILVER IN SANITARY WARES**  
TOKTAŞ A. G., DÜDEN E. İ., YİĞİTALP O., GENCER A., GÜL M., GÜNKAYA G., KARAER F., KAVAS T., KOPARAL A. S., DOĞAN A.  
IV. INTERNATIONAL CERAMIC, GLASS, PORCELAIN, ENAMEL, GLAZE AND PIGMENT CONGRESS (SERES'18), Eskişehir, Turkey, 10 - 12 October 2018
- V. **Cam Sanatında Tavlama İşlemi ve Tavlama Kontrolü**  
GÜNKAYA G., YILMAZ E.  
33. Cam Sempozyumu, Turkey, 02 November 2018
- VI. **The Effect of Annealing Time Period on the Internal Stress of the Artistic Glasses**  
GÜNKAYA G., YILMAZ E.  
19th International Metallurgy and Materials Congress, 25 - 27 October 2018
- VII. **Annealing of Glass and Glass Firing Schedules**  
YILMAZ E., GÜNKAYA G.  
IV. INTERNATIONAL CERAMIC, GLASS, PORCELAIN, ENAMEL, GLAZE AND PIGMENT CONGRESS (SERES'18), 10 - 12 October 2018
- VIII. **SANATSAL CAMLARDA TAVLAMA İŞLEMİ**  
YILMAZ E., GÜNKAYA G.  
12. Uluslararası Eskişehir Pişmiş Toprak Sempozyumu, Turkey, 1 - 16 September 2018
- IX. **Spin Coating of Dy/Al of Doped Zn Films Prepared By Sol-Gel Method**  
KURAMA S., Yazal A., GÜNKAYA G.  
International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMTSIT 2017), 2 - 04 November 2017
- X. **The Usage of Ceramic Glazes in Artistic Glass Techniques**  
YILMAZ E., GÜNKAYA G.  
2017 ICG ANNUAL MEETING 32. Şişecam Glass Symposium, 22 - 25 October 2017
- XI. **Effects of Catalyst on Synthesis of Glass Nanopowders by Sol-Gel Process**  
GÜNKAYA G., OKUMUŞ Y.  
2017 ICG Annual Meeting 32. Şişecam Glass Symposium, 22 - 25 October 2017

- XII. **Investigations on Reinforcing Concrete (GfrC) Materials with SMFMZS (SrO-Mn<sub>2</sub>O<sub>3</sub>-Fe<sub>2</sub>O<sub>3</sub>-MgO-ZrO<sub>2</sub>-SiO<sub>2</sub>) System Glass Fibres**  
YURDAKUL A., GÜNKAYA G., DÖLEKÇEKİÇ E., KAVAS T., KARASU B.  
2017 ICG Annual Meeting 32. Şişecam Glass Symposium, İstanbul, Turkey, 22 - 25 October 2017, pp.114-116
- XIII. **Coloring Studio Glass by Metal Oxides**  
GÜNKAYA G., MANAFIDIZAJI K., MANAFIDIZAJI A.  
5th International Conference on Glass Science in Art and Conservation 2017, 7 - 09 June 2017
- XIV. **Effects of process parameters on the electrophoretic deposition of B<sub>4</sub>C particulates on nickel substrate**  
GÜNKAYA G., KURAMA H.  
9th European Metallurgical Conference, EMC 2017, Leipzig, Germany, 25 - 28 June 2017, vol.1, pp.429-439
- XV. **Glass Coloring In Studio Environment**  
GÜNKAYA G., MANAFIDIZAJI K.  
18. Uluslararası Metalurji Ve Malzeme Kongresi, 29 September - 01 October 2016
- XVI. **PEI LiTFSI PC EC Al<sub>2</sub>O<sub>3</sub> and PEI LiTFSI PC EC SiO<sub>2</sub> Polymer Electrolytes for Electrochromic Windows**  
SAKARYA O., KURAMA S., GÜNKAYA G., ASLAN B.  
Uluslararası Enerji ve Mühendislik Konferansı, 13 - 14 October 2016
- XVII. **Effect Of Al<sub>2</sub>O<sub>3</sub> Nanofiller on Conductivity and Optical Properties of PEI Based Composite Polymer Electrolytes for Electrochromic Windows**  
SAKARYA O., KURAMA S., GÜNKAYA G.  
5th International Conference Smart and Multifunctional Materials, Structures and Systems (CIMTEC 2016), 5 - 09 June 2016
- XVIII. **Sanatsal Cam Tasarımında Kırmızı Renkli Camın Kullanımı ve Isıl İşlem Sürecinde Gözlemlenen Etkiler**  
GÜNKAYA G., AĞATEKİN M.  
30.Şişecam Cam Sempozyumu, Eskişehir, Turkey, 20 November 2015
- XIX. **Mechanical Properties Of SMFMZS SrO Mn<sub>2</sub>O<sub>3</sub> Fe<sub>2</sub>O<sub>3</sub> MgO ZrO<sub>2</sub> SiO<sub>2</sub> System Glass Fibre Reinforced Concrete GFRC Materials**  
YURDAKUL A., GÜNKAYA G., DÖLEKÇEKİÇ E., KAVAS T., KARASU B.  
International Conference On Traditional And Advanced Ceramics 2015, 9 - 11 September 2015
- XX. **Analysis Of Electroformed Glass Surface By Electron Microscopy Technique**  
GÜNKAYA G., MANAFIDIZAJI A.  
14. International Conference European Ceramic Society, Spain, 21 - 25 June 2015
- XXI. **Electron Microscopy Observation on Glass Fiber Reinforced Concrete (GFRC) Materials**  
YURDAKUL A., GÜNKAYA G., KAVAS T., DÖLEKÇEKİÇ E., KARASU B.  
VIII Uluslararası Katılımlı Seramik Kongresi, Turkey, 22 - 24 November 2012
- XXII. **Investigation on the SMZS (SrO-Mn<sub>2</sub>O<sub>3</sub>-Fe<sub>2</sub>O<sub>3</sub>-MgO-ZrO<sub>2</sub>-SiO<sub>2</sub>) Glass System Fiber Production)**  
YURDAKUL A., GÜNKAYA G., KAVAS T., DÖLEKÇEKİÇ E., KARASU B.  
VIII Uluslararası Katılımlı Seramik Kongresi, Turkey, 22 - 24 November 2012
- XXIII. **Electrophoretic Deposition of SnO<sub>2</sub> Nanoparticles in Non aqueous Medium for Sensor Applications**  
GÜNKAYA G., GÜRBÜZ M., DOĞAN A.  
IEEE Sensors 2012 Conference, TAYVAN, 28 - 31 October 2012
- XXIV. **Electrophoretic Deposition of SnO<sub>2</sub> Nanoparticles in Non-Aqueous Medium for Sensor Applications**  
GÜNKAYA G., Gurbuz M., Dogan A.  
11th IEEE Sensors Conference, Taipei, Taiwan, 28 - 31 October 2012, pp.1573-1576
- XXV. **SMFMZS SrO Mn<sub>2</sub>O<sub>3</sub> Fe<sub>2</sub>O<sub>3</sub> MgO ZrO<sub>2</sub> SiO<sub>2</sub> Cam Fiberlerinin Alkali Dayanımının İncelenmesi**  
YURDAKUL A., GÜNKAYA G., DÖLEKÇEKİÇ E., KARASU B.  
Uluslararası Katılımlı 20. Ulusal Elektronik Mikroskopi Kongresi, Turkey, 25 - 28 October 2011
- XXVI. **The Fiber Production from the SrO Mn<sub>2</sub>O<sub>3</sub> Fe<sub>2</sub>O<sub>3</sub> MgO ZrO<sub>2</sub> SiO<sub>2</sub> SMFMZS System Glasses and Their Properties**  
YURDAKUL A., KARASU B., DÖLEKÇEKİÇ E., GÜNKAYA G., YEŞİLAY S.

- SERES'11 II. International, Ceramic, Glass, Porcelain Enamel, Glaze and Pigment Congress, Turkey, 10 - 12 October 2011
- XXVII. **Effect of Electrospray Depositon ESD Control Parameters on Nanostructured SnO<sub>2</sub> Film Morphology**  
GÜRBÜZ M., GÜNKAYA G., DOĞAN A.  
13th European Conference on Applications of Surface and Interface Analysis (ECASIA'09), October 18-23, Antalya, Turkey, 18 - 23 October 2009
- XXVIII. **Analyzing the Silver Content of Seacell Active Cotton Blended Antibacterial Textile Fabrics**  
ÜREYEN M. E., GÖK Ö., GÜNKAYA G., ATEŞ M., SÜZER Ş.  
13th European Conference on Applications of Surface and Interface Analysis (ECASIA'09), Turkey, 18 - 23 October 2009
- XXIX. **Electrospray Deposition ESD of Nanosized SnO<sub>2</sub> Ceramic Powder for Sensor Applications**  
GÜRBÜZ M., GÜNKAYA G., DOĞAN A.  
IV. Nanobilim ve Nanoteknoloji Konferansı, Turkey, 9 - 13 June 2008
- XXX. **Electrophoretic Deposition of Nanocrystalline SnO<sub>2</sub> for Sensor Applications**  
GÜNKAYA G., GÜRBÜZ M., DOĞAN A.  
IV. Nanobilim ve Nanoteknoloji Konferansı, Turkey, 09 June 2008
- XXXI. **Elektroforetik Çökeltme Yöntemi Kullanılarak Nanokristalin BaTiO<sub>3</sub> Partiküllerle Sensör Amaçlı Kaplamaların Oluşturulması**  
GÜNKAYA G., DOĞAN A., SUVACI E., Niederberger M.  
III. Uluslararası Katılımlı Seramik, Cam, Emaye, Sır ve Boya Semineri, Turkey, 17 - 19 October 2005
- XXXII. **Electrophoretic deposition of nanocrystalline BaTiO<sub>3</sub> in Ethanol Medium**  
DOĞAN A., GÜNKAYA G., SUVACI E., Niederberger M.  
2. International Conference on Electrophoretic Deposition, Italy, Italy, 29 May - 02 June 2005

## Supported Projects

- GÜNKAYA G., Project Supported by Higher Education Institutions, Cam Malzemesinde Nikel Elektrokaplama ile Artistik Kaplama Uygulaması, 2020 - 2021
- GÜNKAYA G., Project Supported by Higher Education Institutions, Cam Atölyesinde Kullanılan Üfleme Camının Atık Renkli Camlar ile Renklendirilmesi, 2019 - 2020
- GÜNKAYA G., Project Supported by Higher Education Institutions, Cam Yüzeyinin Hidrofobik Özelliğinin Fiziksel ve Kimyasal Modifikasyon Yoluyla İyileştirilmesi, 2017 - 2020
- KOPARAL A. T., GÜNKAYA G., TÜBİTAK Project, İmplant İlişkili Enfeksiyonların Önlenmesinde Gümüş İyon Katkılı Kalsiyum Fosfat Temelli Özel Kaplama Uygulanmış Ortopedik İmplantların Kullanımı, 2017 - 2020
- GÜNKAYA G., Project Supported by Higher Education Institutions, Cam Malzemesinde Elektrokaplamanın Kullanımı ve Elektrokaplama Parametrelerinin Belirlenmesi, 2018 - 2019
- GÜNKAYA G., Project Supported by Higher Education Institutions, Camın Tavlanması ve Tavlama Sırasında Oluşan Hatalar, 2018 - 2019
- GÜNKAYA G., Project Supported by Higher Education Institutions, Cam Erime Davranışının Harman Tane Boyutuna ve Özelliklerine Göre İncelenmesi, 2017 - 2018
- GÜNKAYA G., Project Supported by Higher Education Institutions, Sanatsal Cam Olarak Kullanım İçin Cam Renklendirme ve Uygulaması, 2016 - 2018
- GÜNKAYA G., Project Supported by Higher Education Institutions, Bor Türevi Malzemelerin Cam Üzerine Kaplanması, 2016 - 2017
- GÜNKAYA G., Project Supported by Higher Education Institutions, MO Al<sub>2</sub>O<sub>3</sub> SiO<sub>2</sub> B<sub>2</sub>O<sub>3</sub> Katkısının Alfa Sialon Seramiklerinin Sinterleme Davranışlarına ve Mikroyapısal Gelişimlerine Etkisinin İncelenmesi, 2014 - 2017
- GÜNKAYA G., Project Supported by Higher Education Institutions, Nitrür Bazlı Seramik Toz Kaplaması İle Mekanik Dayanımın İyileştirilmesi, 2015 - 2016
- GÜNKAYA G., Project Supported by Higher Education Institutions, Sepiyolit İçerikli Güç Tutuşur Katkıların Geliştirilmesi ve Polipropilenin Yanma Dayanımının Arttırılmasında Kullanımı, 2014 - 2016

GÜNKAYA G., Project Supported by Higher Education Institutions, İndüksiyon Ocağı Astar Malzemesinin Farklı Katkı Malzemeleri İle Kullanım Performansının Arttırılması, 2015 - 2015

GÜNKAYA G., TUBITAK Project, Beta SiALON Nano Seramiklerinin Yüksek Enerjili Mekanik Öğütme ile Üretimi, 2009 - 2010

GÜNKAYA G., TUBITAK Project, Hidrotermal Yöntemle Üretilen Nano Boyutlu Yarıiletken Seramik Oksitlerde Elektroforetik Yöntem Kullanılarak Gaz Sensörü Üretimi, 2005 - 2008

GÜNKAYA G., Project Supported by Higher Education Institutions, Elektroforetik Kaplama Yöntemi ile Metal Oksit Esaslı Sensör Üretimi, 2004 - 2007

GÜNKAYA G., GÜNEY Y., Project Supported by Higher Education Institutions, SrO MgO ZrO<sub>2</sub> SiO<sub>2</sub> SMZS Sistemindeki Cam Agrega ve Fiberlerin Betonda Kullanımı, 1998 - 2002