

## Prof. Gültekin Goller

### Personal Information

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### Biography

Prof. Dr. Gultekin Goller is a materials science professor who graduated from Istanbul Technical University in 1989 with a B.S. in Metallurgical Engineering. In 1997, he received his Ph.D. in the field of Metallurgical and Materials Engineering from Istanbul Technical University. He attended to the Tribology Group of Cleveland State University in 1995 as a UNIDO fellow for the PhD level studies. He joined to the Metallurgical and Materials Engineering Department of ITU in 1999 as an assistant professor. Professor Goller was promoted to associate professor in 2005 and became a full professor in 2010. His research fields include Ceramic and Composite Materials (ultra-high temperature ceramics and composites, bioactive and bioinert ceramics and composites, polymeric matrix composites), Glass and Glass Ceramics, Biomaterials, Synthesis of High Technology Ceramic Powders, Plasma Spray Coating Process (thermal barrier coatings) and Spark Plasma Sintering (SPS) Technique (Boride, carbide, nitride based monolithic and composite materials), Characterization of Materials (X-Ray and Electron Microscopy). Prof. Dr. Gultekin Goller is the founder of Biomaterials Research and Characterization Laboratory, Laser Cutting and Welding Laboratory, Composite Material Production Laboratory and Spark Plasma Sintering Laboratories in Istanbul Technical University Metallurgy and Materials Engineering Department. Prof. Dr. Gultekin Goller has supervised 7 completed and 6 ongoing PhD studies; 31 completed, 5 ongoing graduate studies. As a date of September 2020, his professional and scientific activity comprises: papers, which are cited over 1580 times (h index:23, As of September 2020), published in science citation index journals (115); papers published in international peer-review periodicals (7); the proceedings of international or national conferences (130); participating in different international or national research projects (47); author of 2 international book chapter; member of the scientific committee of different meetings; head of the organizing committee for different international conferences; member of the International Editorial Board of some journals; and reviewer for different journals. Prof. Dr. Gultekin Goller served as a chair of Metallurgical and Materials Engineering Department between 2010-2013, and contributed to the Ministry of Defence R&D Technologies Division, Material Processes and Technologies Panels as a university representative on 2010-2016.

### Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (Dr), Turkey 1992 - 1997

Post Graduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (Dr), Turkey 1989 - 1992

Under Graduate, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 1984 - 1989

### Foreign Languages

English

## Dissertations

Doctorate, Metal İnfiltre Edilmiş Mikro Poroz Karbon Kompozitlerin Aşınma ve Sürtünme Davranışının Karakterizasyonu, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (Dr), 1997  
Post Graduate, Bor karbür oluşum koşullarının belirlenmesi ve toz karakterizasyonu, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (Dr), 1992

## Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Ceramic Materials, Composites, Material Characterization, Engineering and Technology

## Academic Titles / Tasks

Professor, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2010 - Continues  
Associate Professor, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2005 - 2010  
Assistant Professor, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 1998 - 2004  
Research Assistant, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 1989 - 1998

## Professional Experience

Head of Department, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (Dr), 2010 - 2013  
Head of Department, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2010 - 2013  
Deputy Head of Department, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2004 - 2007

## Supported Projects

Göller G., Project Supported by Higher Education Institutions, Spark Plazma Sinterleme Yöntemi ile Üretilen Molibden-Molibden Karbür Esaslı Yağların Mikroyapı ve Tribolojik Karakterizasyonu, 2013 - 2020  
Göller G., Özmen M. K. , Project Supported by Higher Education Institutions, Li ve Ta ile Modifiye Edilmiş KNN Seramiklerin Spark Plazma Sinterleme SPS Yöntemi ile Üretimi ve Karakterizasyonu, 2018 - 2019  
Göller G., Project Supported by Higher Education Institutions, Zirkonyum Karbür Esaslı Kompozitlerin Spark Plazma Sinterleme Yöntemi ile Üretimi ve Karakterizasyonu, 2014 - 2017  
Göller G., Project Supported by Higher Education Institutions, TZM alaşımının Spark Plasma Sinterleme Yöntemi ile Sinterlenmesi ve Karakterizasyonu, 2015 - 2016  
Göller G., Project Supported by Higher Education Institutions, Yeni Nesil Termal Bariyer Kaplamaların Üretimi ve Karakterizasyonu, 2014 - 2015  
Göller G., Project Supported by Higher Education Institutions, Kitosan-Hidroksiapatit-Fibrinojen İçerikli Üç Boyutlu Yapı İskelesinin Üç Farklı teknikle Üretimi ve Karakterizasyonu, 2014 - 2015  
Göller G., Project Supported by Higher Education Institutions, Çok Tabakalı Termal Bariyer Kaplama Uygulamaları için Malzeme Seçimi ve Isıl-Mekanik Özelliklerin Belirlenmesi, 2012 - 2015

Göller G., Project Supported by Higher Education Institutions, Organik Orjinli HAP Tozlarının Sinterleme ve Karakterizasyonu, 2013 - 2014

Göller G., Project Supported by Higher Education Institutions, B4C Balistik Seramiklerinin Spark Plazma Sinterleme (SPS) Yöntemi İle Üretilmesi Ve Karakterizasyonu, 2013 - 2014

Göller G., Project Supported by Higher Education Institutions, ZrC-SiC-CNT Kompozitlerinin Spark Plazma Sinterleme (SPS) Yöntemi ile Üretimi ve Karakterizasyonu, 2012 - 2014

Göller G., Project Supported by Higher Education Institutions, Titanyum Oksit İlaveli Alümina Zirkonya Kompozitlerinin Spark Plazma Sinterleme Yöntemi ile Üretimi ve Karakterizasyonu, 2012 - 2013

Göller G., Project Supported by Higher Education Institutions, Molibden Katot Malzemesinin Spark Plazma Sinterleme (SPS) Yöntemi ile Üretimi ve Karakterizasyonu, 2011 - 2013

Göller G., Project Supported by Higher Education Institutions, ZrC-SiC Kompozitlerinin Spark Plazma Sinterleme (SPS) Yöntemi ile Üretimi ve Karakterizasyonu, 2011 - 2012

Göller G., Project Supported by Higher Education Institutions, ALÜMİNA ESASLI ALTLIK ÜZERİNE PLAZMA SPREY YÖNTEMİ İLE FONKSİYONEL KADEMELENDİRİLMİŞ ALÜMİNA-ZİRKONYA KAPLAMASININ KARAKTERİZASYONU VE SERAMİĞİN DARBE DAVRANIŞLARINA ETKİSİNİN İNCELENMESİ, 2009 - 2012

Göller G., Project Supported by Higher Education Institutions, Motorlarda Kullanılan Sert Ferrit ve NdFeb Esaslı Mıknatıs Malzemelerin Karakterizasyonu ve Tersinir Olmayan Kayıpların Yapı Üzerine Etkisi, 2010 - 2011

Göller G., Project Supported by Higher Education Institutions, CeO2 İlaveli Alümina-Zirkonya Kompozitlerinin SPS Yöntemi ile Üretimi ve Karakterizasyonu, 2010 - 2011

Göller G., Project Supported by Higher Education Institutions, KNN TİPİ PİEZOSERAMİK NANO TELLERİN SOL-JEL YÖNTEMİ VE ANODİK ALÜMİNA NANO-ŞABLON KULLANILARAK ÜRETİMİ VE KARAKTERİZASYONU, 2009 - 2011

Göller G., Project Supported by Higher Education Institutions, ZRBG ESASLI KOMPOZİTLERİN SPARK PLAZMA SİNERLEME (SPS) YÖNTEMİ İLE ÜRETİMİ VE KARAKTERİZASYONU, 2009 - 2011

Göller G., Project Supported by Higher Education Institutions, KNN Piezoseramiklerinin Spark Plazma Sinterleme (SPS) Yöntemi ile Üretimi ve Karakterizasyonu, 2009 - 2010

Göller G., Project Supported by Higher Education Institutions, KARBON FİBER ESASLI POLİMERİK MATRİSLİ KOMPOZİT MALZEMELERİN ÜRETİMİ VE KARAKTERİZASYONU, 2009 - 2009

Göller G., Project Supported by Higher Education Institutions, İşlenebilir Cam Seramiklerin Kristalizasyon Davranışı Üzerine CeO2 İlavesinin Etkisinin İncelenmesi, 2007 - 2008

Göller G., Project Supported by Higher Education Institutions, Zirkonya Seramik ve Kompozitlerinin Üretimi ve Karakterizasyonu, 2007 - 2008

Göller G., Project Supported by Higher Education Institutions, Potasyum Mikası ve Florapatit İçeren Cam Seramiklerin Kristalizasyon Davranışları, İşlenebilirlik Özellikleri Üzerine Değişen Oranda Çekirdeklenme Katilisti (ZrO2) İlavesinin Etkisinin İncelenmesi ve Biyoaktivite Karakterizasyonu, 2007 - 2007

Göller G., Project Supported by Higher Education Institutions, Potasyum Mikası ve Kordierit İçeren İşlenebilir Cam Seramiklerin Kristalizasyon davranışları ve Elektiriksel Özellikleri Üzerinde Çekirdeklenme Katilisti İlavesinin Etkilerinin İncelenmesi, 2007 - 2007

Göller G., Project Supported by Higher Education Institutions, Plazma Yöntemiyle Biyoaktif Cam Kaplama üretimi ve Karakterizasyonu, 2003 - 2007

Göller G., Project Supported by Higher Education Institutions, Hidroksiapatit-Titanyum Kompozitlerinin Geliştirilmesi, 2003 - 2007

Göller G., Project Supported by Higher Education Institutions, Biyocam Takviyeli Hidroksiapatit Kompozitlerin Geliştirilmesi, 2002 - 2007

Göller G., Project Supported by Higher Education Institutions, Plazma Sprey Yöntemiyle Biyoaktif Cam Kaplama Üretim Teknolojisinin Geliştirilmesi, 2001 - 2004

## Scientific Refereeing

The Journal of The Minerals, Metals & Materials Society (TMS), SCI Journal, June 2017  
Surface and Coatings Technology, SCI Journal, May 2017

Journal of the Australian Ceramic Society, SCI Journal, April 2017  
Journal of Alloys and Compounds, SCI Journal, April 2017  
Applied Surface Science, SCI Journal, March 2017  
Journal of surface and Coating, SCI Journal, March 2017  
Surface and Coatings Technology, SCI Journal, February 2017  
Ceramics International, SCI Journal, February 2017  
Journal of Advanced Ceramics, SCI Journal, February 2017  
Journal of the Australian Ceramic Society, SCI Journal, January 2017  
Journal of the European Ceramic, SCI Journal, January 2017  
Rare Metals, SCI Journal, January 2017  
Surface and Coatings Technology, SCI Journal, January 2017

## **Invited Congress and Symposium Activities**

15th Conference & Exhibition of the European Ceramic Society (ECerS2017), Attendee, Budapest, Hungary, 2017  
Camelia T, Greta V, Aurora A, Gok MG, Goller G, Alexandra T, Lavinia D, Izabella S, Claudia M, Antoniac I, "In-vitro characterization of some hydroxyapatite-based composites for medical applications", 6th International Conference on Materials Science and Technologies – RoMAT 2016, Attendee, Bucuresti, Romania, 2016  
Yavas B, Goler G, "Effect of B4C Addition on Oxidation Behavior of TZM Alloy Prepared by Spark Plasma Sintering Method", 6th International Conference on Materials Science and Technologies – RoMAT 2016, Attendee, Romania, 2016  
Goller G, "New Generation Thermal Barrier Coatings", 6th International Conference on Materials Science and Technologies – RoMAT 2016, Attendee, Bucuresti, Romania, 2016  
Yavas B, Sahin FC, Yucel O, Goler G, "Investigation the effect of B4C addition on microstructure, mechanical properties and oxidation behavior of TZM alloy prepared by spark plasma sintering", Materials Science & Technology, 2016 Conference & Exhibition (MS&T'16), Attendee, Utah, United States Of America, 2016  
Kirbiyik F, Goler G, "Production and Characterization of Al<sub>2</sub>O<sub>3</sub>/CYSZ Thermal Barrier Coatings with Functionally Graded Design", Materials Science & Technology, 2016 Conference & Exhibition (MS&T'16), Attendee, Utah, United States Of America, 2016  
Ocak BC, Sahin FC, Yucel O, Goler G, "Microstructure and Mechanical Properties of GrapheneTiC-ZrC Composites", Materials Science & Technology, 2016 Conference & Exhibition (MS&T'16), Attendee, Utah, United States Of America, 2016  
Tuzemen C, Goler G, "Effect of TiC and ZrC addition on densification, microstructure and mechanical properties of TZM alloys", IMMC 2016 18th International Metallurgy & Materials Congress, Attendee, Turkey, 2016  
Apak B, Goler G, Yucel O, Sahin FC, "The Effects of Additives on Ballistic Performance of the Spark Plasma Sintered Boron Carbide Ceramics", IMMC 2016 18th International Metallurgy & Materials Congress, Attendee, Turkey, 2016  
Gok MG, Goler G, "Determination of hot corrosion and CMAS infiltration behavior of Thermal Barrier Coatings using a CO<sub>2</sub> laser beam", IMMC 2016 18th International Metallurgy & Materials Congress, Attendee, Turkey, 2016  
Cengiz M, Büyük B, Tuğrul AB, Yucel O, Sahin FC, "Fabrication and Characterization of Composites Starting from Boron Carbide Titanium Powder Mixture", IMMC 2016 18th International Metallurgy & Materials Congress, Attendee, Turkey, 2016  
Yavas B, Sahin FC, Yucel O, Goler G, "Preparation of Pre-alloyed TZM Alloy with Addition of B4C by Using Spark Plasma Sintering", IMMC 2016 18th International Metallurgy & Materials Congress, Turkey, Attendee, Turkey, 2016  
Ocak BC, Goler G, "Mechanical properties of spark plasma sintered ZrC-TiC/graphene composites", IMMC 2016 18th International Metallurgy & Materials Congress, Attendee, Turkey, 2016  
Sarıdaş S, Goler G, Yucel O, Sahin FC, "Production and Characterization of Magnesium Aluminate Spinel", IMMC 2016 18th International Metallurgy & Materials Congress, Turkey, Attendee, Turkey, 2016  
Akturk A, Taygun ME, Goller G, Kucukbayrak S, "Nanocomposite Materials Containing Metal Nanoparticles for Tissue Engineering Applications", IMMC 2016 18th International Metallurgy & Materials Congress, Attendee, --Seçiniz--, Turkey, 2016  
Kirbiyik F, Goler G, "Processing and characterization of CYSZ/Al<sub>2</sub>O<sub>3</sub> functionally graded thermal barrier coating", IMMC

2016 18th International Metallurgy & Materials Congress, Turkey, Attendee, Turkey, 2016

6th International Conference on Materials Science and Technologies – RoMAT 2016, (2016), Invited Speaker, Bucuresti, Romania, 2016

Gok MG, Goller G, "Thermal Conductivity and Thermal Shock Behaviour of CYSZ/GZ Thermal Barrier Coatings", 2015 MRS Fall Meeting & Exhibit (MRS2015), ABD, Attendee, United States Of America, 2015

Yavas B, Yucel O, Sahin FC, Goler G, "Effect of B4C Addition on Densification, Microstructure and Mechanical Properties of TZM Alloys", 2015 MRS Fall Meeting & Exhibit (MRS2015), ABD, Attendee, United States Of America, 2015

Cekli C, Yucel O, Sahin FC, Goler G, "Microstructural Characterization of Molybdenum Molybdenum Carbide Structures Produced by Spark Plasma Sintering (SPS)", 2015 MRS Fall Meeting & Exhibit (MRS2015), ABD, Attendee, United States Of America, 2015

Danisman B, Sahin FC, Yucel O, Goller G, "Characterization of TZM Alloys Sintered by SPS", 2015 MRS Fall Meeting & Exhibit (MRS2015), ABD, Attendee, --Seçiniz--, United States Of America, 2015

International Seminar on Biomaterials & Regenerative Medicine (BIOREMED), Romanya, (2015), Invited Speaker, Bucuresti, Romania, 2015

Sarıdaş, S., Korkmaz, E., Cengiz, M., Goller, G., Yucel, O., Sahin, F.C., Producing transparent MgAl<sub>2</sub>O<sub>4</sub> spinel polycrystal by spark plasma sintering, 14 th International Conference and Exhibition of the European Ceramic Society, ECERS 2015, Toledo, İspanya (2015), Attendee, Toledo, Spain, 2015

Korkmaz, E., Sarıdaş, S., Cengiz, M., Goller, G., Yucel, O., Sahin, F.C., Spark plasma sintering and characterization of transparent yttria ceramics, 14 th International Conference and Exhibition of the European Ceramic Society, ECERS 2015, Toledo, İspanya (2015), Attendee, Toledo, Spain, 2015

Ozer, S.C., Cengiz, M., Yucel, O., Goller, G., Turan, S., Sahin, F.C., Processing and mechanical characterization of boron carbide ceramics with tungsten additive consolidated by spark plasma sintering, 14 th International Conference and Exhibition of the European Ceramic Society, ECERS 2015, 21-25 Haziran 2015, Toledo, İspanya, Attendee, Toledo, Spain, 2015

Buyuk, B., Cengiz, M., Tugrul, A.B., Ozer, S.C., Lastovski, S.B., Yucel, O., Goller, G., Sahin, F. C. Neutron Irradiation Effects on Spark Plasma Sintered Boron Carbide, 11th International Conference "Interaction of Radiation with Solids", September 23-25, Minsk, Belarus (2015), Attendee, Belarus, 2015

Rachieru B, Yavas B, Antoniac L, Goller G, Semenescu A, "Electrophoretic deposition of hydroxyapatite coatings on some magnesium alloys for biodegradable implant applications", International Seminar on Biomaterials & Regenerative Medicine (BIOREMED), Romanya, (2015), Attendee, Bucuresti, Romania, 2015

Goller G, "Research Studies on Bioceramic Based Composites", International Seminar on Biomaterials & Regenerative Medicine (BIOREMED), Romanya, (2015), Attendee, Bucuresti, Romania, 2015

Vitioanu G, Gok MG, Antoniac L, Goller G, Camelia T, "Processing and characterization of some hydroxyapatite-based composites for bone substitutes", International Seminar on Biomaterials & Regenerative Medicine (BIOREMED), Romanya, (2015), Attendee, Bucuresti, Romania, 2015

Cengiz, M., Ozer, S.C., Goller, G., Yucel, O., Sahin, F.C., Spark plasma sintering and characterization of boron carbide-titanium composites in square cross section, 14 th International Conference and Exhibition of the European Ceramic Society, ECERS 2015, Toledo, İspanya (2015), Attendee, Spain, 2015

Turan A, Bugdayci M, Cinar FC, Goller G, Yucel O, "Synthesis and Sintering of TiB<sub>2</sub>", IMMC'17, International Metallurgy & Materials Congress, 258-264, (2014), Attendee, Turkey, 2014

Yavas B, Yucel O, Cinar F, Goller G, "Effect of Particle Size and Heating Rate on Densification, Microstructure and Mechanical Properties of B<sub>4</sub>C Ceramics", Materials Science & Technology, 2014 Conference & Exhibition (MS&T'14), Attendee, United States Of America, 2014

Gok MG, Goller G, "Thermal Cycling Behavior of CYSZ/GZ and CYSZ/CYSZ+GZ Multilayered Thermal Barrier Coatings", Materials Science & Technology, 2014 Conference & Exhibition (MS&T'14), (2014), Attendee, United States Of America, 2014

Turkmen AK, Goller G, "Production and Characterization of HA/Chitosan 3D Scaffolds Prepared by Electrospinning", 6th International Conference of Biomaterials, Tissue Engineering & Medical Devices, (BiomMedD'14), (2014), Attendee, Romania, 2014

Goller G, "Densification Behavior and Mechanical Properties of Spark Plasma Sintered ZrC-Based Composites", APMAS 2013, 3rd International Advances in Applied Physics and Material Science Congress, Invited Speaker, (2013), Attendee,

Turkey, 2014

Cavalu S, Simon V, Akin I, Goller G, "Adherence Properties of Acrylic Bone Cement to Alumina Ceramics Designed for Clinical Applications", 3rd International Congress on Advances in Applied Physics and Materials Science, (2014), Attendee, Antalya, Turkey, 2014

Dokur MM, Goller G, "Processing and Characterisation of CYSZ/Al<sub>2</sub>O<sub>3</sub> and CYSZ/Al<sub>2</sub>O<sub>3</sub>+YSZ Multilayered Thermal Barrier Coatings", 2nd International Surface Treatment Symposium (ISTS), (2014), Attendee, İstanbul, Turkey, 2014

Ormanci O, Akin I, Goller G, "In Vitro Characterization of Potassium Mica and Fluorapatite Based Glass Ceramics" 5th International Conference "Biomaterials, Tissue Engineering & Medical Devices" BiomMedD'2012, 5th Biomaterials, Tissue Engineering & Medical Devices, (2012), Attendee, Turkey, 2013

Koncz P, Horvarth A, Balazsi K, Sahin F, Goller G, Yucel O, Balazsi C, "Correlation between milling parameters, structural and mechanical properties of nanostructured austenitic Y<sub>2</sub>O<sub>3</sub> strengthened steels", 8th Hungarian Conference on Materials Science, (2013), Attendee, Budapest, Hungary, 2013

Ormanci O, Akin I, Sahin F, Yucel O, Goller G, "The Role of TiO<sub>2</sub> on Densification and Mechanical Properties of Al<sub>2</sub>O<sub>3</sub>-YSZ Composites" MS&T'12, Materials Science & Technology, 2012 Conference & Exhibition, (2012), Attendee, United States Of America, 2013

Cavalu S, Simon V, Ratiu C, Rus V, Akin I, Goller G, "Titania versus Ceria alumina/zirconia composites: structural aspects and biological tolerance", 24th Symposium and Annual Meeting of International Society for Ceramics in Medicine (ISCM 2012), Attendee, Romania, 2013

Goller G, Sahin F, Denizalp F, Yucel O, "Effect of Sintering Temperature on Densification Behavior of Spark Plasma Sintered Molybdenum" TMS 2013, The Minerals, Metals & Materials Society, 142nd Annual Meeting & Exhibition, (2013), Attendee, United States Of America, 2013

Simon V, Ormanci O, Akin I, Cavalu S, Goller G, "In Vivo Evaluation of Zirconia Toughened Alumina Ceramics" MS&T'12, Materials Science & Technology, 2012 Conference & Exhibition, (2012), Attendee, United States Of America, 2013

BiomMedD'2012, 5th Biomaterials, Tissue Engineering & Medical Devices, Invited Speaker, Bucuresti, Romania, 2012

Cavalu S, Simon V, Ratiu C, Oswald I, Vlad S, Ponta O, Akin I, Goller G, "Alternative approaches using animal model for implant biomaterials: advantages and disadvantages" BiomMedD'2012, 5th Biomaterials, Tissue Engineering & Medical Devices, Conference Proceedings:116, (2012), Attendee, Romania, 2012

Dereliooglu Z, Goller G, "Microstructural Investigation of Plasma Sprayed Coatings of Al<sub>2</sub>O<sub>3</sub>-YSZ Structures", IMMC'16, International Metallurgy & Materials Congress, 618-624, (2012), Attendee, --Seçiniz--, Turkey, 2012

Goller G, "Effect of Different Sintering Agents on Densification Behavior and Properties of SPSed Al<sub>2</sub>O<sub>3</sub>-YSZ Composites", BiomMedD'2012, 5th Biomaterials, Tissue Engineering & Medical Devices, Conference Proceedings:116, Invited Speaker, (2012), Attendee, Romania, 2012

Arslankara E, Turan A, Goller G, Yucel O, Cinar FC, "The Effect of VC as a Grain Refiner on Spark Plasma Sintered WC-Co Based Hard Materials", IMMC'16, International Metallurgy & Materials Congress, 89-96, (2012), Attendee, Turkey, 2012

Acicbe B, Akin İ, Sahin F, Yucel O, Goller G, "Effect of TiC Addition on Sintering Behaviour of ZrC", TMS 2012, The Minerals, Metals&Materials Society, 141th Annual Meeting&Ehibition, (2012), Attendee, United States Of America, 2012

Sagdic S, Akin İ, Sahin F, Yucel O, Goller G, "Mechanical Properties Of Plasma Sintered ZrC-SiC Composites", TMS 2012, The Minerals, Metals&Materials Society, 141th Annual Meeting&Ehibition, (2012), Attendee, United States Of America, 2012

Apak B, Kanbur H, Zayim E, Goller G, Yucel O, Sahin F, "Transparent Polycrystalline Alumina Obtained By Sps: Single And Double Doping Effect", TMS 2012, The Minerals, Metals&Materials Society, 141th Annual Meeting&Ehibition, (2012), Attendee, United States Of America, 2012

Odabasi A, Unlu N, Goller G, Eruslu MN, Kayali ES, "Relationship Between Heat Input and Microstructure and Mechanical Properties of Laser Beam Welded Superalloy Inconel 718", TMS 2012, The Minerals, Metals&Materials Society, 141th Annual Meeting&Ehibition, 199-205, (2012), Attendee, United States Of America, 2012

Ormanci O, Akin I, Sahin F, Yucel O, Goller G, "Characterization of Al<sub>2</sub>O<sub>3</sub>/YSZ composites prepared by spark plasma sintering", 2nd International Advances in Applied Physics & Materials Science Congress, (2012), Attendee, Turkey, 2012

Cavalu S, Simon V, Akin I, Goller G, "Improving the Bioactivity and Biocompatibility of Acrylic Cements by Collagen Coating", Bioceramics 23rd Proceedings: 391-396 (2011), Attendee, Romania, 2011

Cavalu S, Simon V, Ratiu C, Oswald I, Gabor R, Ponta O, Akin I, Goller G, "Correlation Between Structural Properties and In Vivo Biocompatibility of Alumina/Zirconia Bioceramics", Bioceramics 23rd Proceedings: 1-6 (2011), Attendee, Romania,

2011

Anzabi O, Aydin MM, Ozyegin LS, Oktar KA, Goller G, Kayali ES, Erkmen EZ, "Characterization of Plasma Sprayed Yittria Stabilized Zirconia (8 wt %) Hydroxyapatite Coatings", Bioceramics 23rd Proceedings: 535-538 (2011), Attendee, Romania, 2011

Akin I, Sahin F, Yucel O, Goller G, "Oxidation behavior of zirconium diboride-silicon carbide composites", 34th International Conference on Advanced Ceramics and Composites Proceedings: 105-114 (2010), Attendee, United States Of America, 2010

## **Citations**

Total Citations (WOS):1251

h-index (WOS):20

## **Scholarships**

Bir yıl süreli Birleşmiş Milletler Endüstriyel Kalkınma Teşkilatı Bursu, United Nations, 2001 - Continues