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### **Personal Information**

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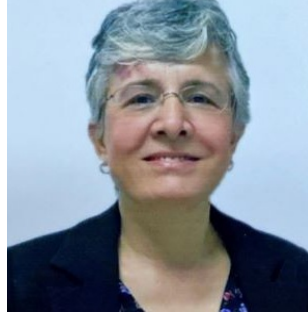
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### **International Researcher IDs**

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Publons / Web Of Science

ResearcherID: GLV-0870-2022

ScopusID: 9634081300

Yoksis Researcher ID: 28238

### **Education Information**

Post Doctorate, University of  
Witwatersrand, Johannesburg,  
School of Process and Engineering,  
Chemical & Metallurgical  
Engineering, South Africa 1997 -  
1998

Doctorate, Yıldız Technical  
University, Faculty Of Chemical And  
Metallurgical Engineering, Metalürji  
Ve Malzeme Mühendisliği/Üretim,  
Turkey 1986 - 1994

Postgraduate, Yıldız Üniversitesi,  
Kimya-Metalürji Fakültesi, Kimya  
Mühendisliği, Turkey 1984 - 1986

Undergraduate, Yıldız Üniversitesi,  
Kimya-Metalürji Fakültesi, Kimya  
Mühendisliği, Turkey 1980 - 1984

### **Certificates, Courses and Trainings**

Health&Medicine, Etik Kurulların Yapılanması İçin Standardizasyon Gereklilikleri Kursu Programı, Klinik Araştırmalar  
Mükemmeliyet Uygulama ve Araştırma Merkezi, 2015

Entrepreneurship, Girişimcilik Akademisi, Yıldız Teknik Üniversitesi, 2014

## Dissertations

Doctorate, Kinetics and Mechanism of Carbon Reduction of Fethiye Region Chromite Ore, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 1994

Postgraduate, ROASTING OF SULFURIZED COPPER ORE IN FLUIDIZED BED FURNACE, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 1986

## Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Composites, Biomaterials, Nanomaterials, Cellulosic Materials, Engineering and Technology

## Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 2017 - Continues

Associate Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 2010 - 2017

Assistant Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 1995 - 2010

Research Assistant, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 1985 - 1994

## Academic and Administrative Experience

Head of Department, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 2019 - 2021

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 2008 - 2018

Rector's Advisor, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Metallurgical and Materials Engineering, 2008 - 2016

Deputy Director of the Center, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Metallurgical and Materials Engineering, 2012 - 2013

Rectorate Commissioner, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Metallurgical and Materials Engineering, 2008 - 2013

Rectorate Commissioner, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Metallurgical and Materials Engineering, 2008 - 2012

Fakülte Yönetim Kurulu Üyesi, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Metallurgical and Materials Engineering, 1996 - 1999

Fakülte Kurulu Üyesi, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Metallurgical and Materials Engineering, 1996 - 1999

## Courses

### Doctorate

Uzmanlık Alan Dersi (Doktora), Doctorate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Doktora Tezi, Doctorate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

### Postgraduate

Yüksek Lisans Tezi, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Uzmanlık Alan Dersi (Yüksek Lisans), Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Biyoseramiklerin Sentezi , Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017  
İleri Biyomedikal Malzemeler, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017  
Biyopolimer Teknolojisi , Postgraduate, 2015 - 2016

### **Undergraduate**

Bitirme Çalışması-1. Öğrenim, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
Fonksiyonel Malzemeler, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Iron and Steel Metallurgy, Undergraduate, 2020 - 2021  
Üretim Metalürjisi Prensipleri-1. Öğrenim, Undergraduate, 2019 - 2020, 2016 - 2017  
Metalurjik Ön İşlemler, Undergraduate, 2018 - 2019  
Laboratuvar I-1. Öğrenim, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017  
Metalurji ve Malzeme Mühendisliğine Giriş , Undergraduate, 2017 - 2018, 2016 - 2017  
Bitirme Çalışması-2. Öğrenim, Undergraduate, 2017 - 2018, 2016 - 2017  
Tasarım Esasları-1. Öğrenim, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017  
Tasarım Esasları-2. Öğrenim, Undergraduate, 2016 - 2017  
Laboratuvar 1- 2. Öğrenim, Undergraduate, 2016 - 2017  
Üretim Metalurjisi Prensipleri-2. Öğrenim, Undergraduate, 2016 - 2017

### **Supervised Theses**

Hazar A. B., Kompozit Parça İmalatında Otoklav Cure İşlemi Sırasında Çarpılmaya Neden Olan Parametrelerinin İncelenmesi Sayısal Model Oluşturularak Kalıp Yüzeylerine Yansıtılması, Doctorate, E.Aydın(Student), Continues  
Hazar A. B., Çarpışma Performansı Gösteren Yüksek Mukavemetli Alüminyum Alaşımının Geliştirilmesi ve Proses Parametrelerinin Optimizasyonu, Doctorate, M.Buğra(Student), Continues  
Hazar A. B., Aydınoğlu A., Farklı Modifikasyon Ajanları İle Yüzey İşlemi Uygulanmış Selüloz Nano Kristal (SNK) Yapıların Dental Kompozitlerin Mekanik Özelliklere Etkisinin İncelenmesi, Postgraduate, M.YAVUZ(Student), 2023  
Hazar A. B., Modifiye edilmiş selüloz nanokristal katkılı polilaktik asit (PLA) kompozit filmlerin üretimi ve karakterizasyonu, Postgraduate, B.ÇAĞDAŞ(Student), 2023  
Hazar A. B., Titanyum sac malzemelerin sıcak şekillendirilmesi prosesinin incelenmesi ve uygun proses parametrelerinin belirlenmesi, Doctorate, M.MERT(Student), 2023  
Hazar A. B., Elibol Ç., Sert poliüretan köpüklerin ısı yalıtım özelliğine yüzey modifikasyonu uygulanmış selüloz nano kristallerin etkisinin incelenmesi, Postgraduate, O.SAZCI(Student), 2022  
Hazar A. B., Şanlı A., Kuvvete duyarlı nanotüp/polimer bazlı elektroegrilmiş esnek nanoliflerin sentezi ve elektromekanik performansının incelenmesi, Postgraduate, Ş.PINAR(Student), 2022  
Aydınoğlu A., Hazar A. B., Restoratif dental kompozitler için hidroksiapatit esash nanoçiçek morfolojili destekleyici faz üretimi ve karakterizasyonu, Postgraduate, K.SAĞIR(Student), 2021  
Hazar A. B., Aydınoğlu A., Dental kompozitlerde kullanılan destekleyici faz oranının mekanik ve fiziksel özellikler üzerine etkisinin incelenmesi, Postgraduate, B.ÖZTÜRK(Student), 2021  
Hazar A. B., Kemik doku mühendisliği uygulamaları için rejeneratif enjekte edilebilir malzeme üretimi, Postgraduate, J.HAZAL(Student), 2021  
, Hazar A. B., Eklemeli imalat teknolojileri ve medikal uygulamaları, Postgraduate, Ç.KUTAY(Student), 2021  
Hazar A. B., Yeni Nesil Yüzey İşlemi ile Ticari Dental İmplantın Klinik Performansının Geliştirilmesi, Postgraduate, G.GENÇ(Student), 2020  
Hazar A. B., Selüloz esash takviyelendirici içeren yeşil kompozit üretimi, Postgraduate, E.Aydın(Student), 2018  
Hazar A. B., Dental Uygulamalar İçin Stabilize Zirkonyum Blok Üretimi ve Kalıplanabilirlik Özelliklerinin İncelenmesi, Postgraduate, M.Mert(Student), 2018  
HAZAR A. B., Polilaktik Asit Esash Biyoemilebilir Doku Adezyonu Önleyici Filmlerin Üretimi, Postgraduate, M.Buğra(Student), 2016  
Hazar A. B., Biyomimetik Yöntemle Yeni Nesil Dental Restoratif Malzemelerin Üretimi, Doctorate, A.Aydınoğlu(Student), 2016  
HAZAR A. B., Çift Yönlü Uzaktan Kumandalı Motorize Biyomedikal Intramedullar Çivi Üretimi, Postgraduate, B.ERDEM(Student), 2015  
HAZAR A. B., Menisküs Yırtılmalarına Yönelik Olarak Klinik Taleplere Uygun Yenilikçi Malzeme Seçimi ve Tasarımı, Postgraduate, A.Dursun(Student), 2015

Hazar A. B., Menteş A. R., Pedodontide Kullanılan Farklı Dental Materyallerin Yüzey Özellikleri ve Mikrosertlikleri ile In Situ Oluşan Biyofilm Yapısı Arasındaki İlişkinin İncelenmesi, Doctorate, F.Varol(Student), 2014

HAZAR A. B., DOĞAN M., Sentetik Vücut Sıvısında Hidroksiapatit Hazırlanması, Postgraduate, A.KARAKAŞ(Student), 2011

HAZAR A. B., Biyomimetik Yöntemle Sentezlenmiş Granül Hidroksiapatit Greft Malzeme Üretimi, Postgraduate, S.BENLİOĞLU(Student), 2011

HAZAR A. B., Biyomedikal Uygulamalarda Kullanılan Titanyum Alaşımlarının Yüzey Modifikasyonunun ve İn Vitro Biyoaktivitesinin İncelenmesi, Postgraduate, H.Ekşioğlu(Student), 2010

HAZAR A. B., Dental restoratif malzemelerin sitotoksitesine ışık kaynağının ve hidroksiapatit ilavesinin etkilerinin incelenmesi, Postgraduate, A.KARAUĞLU(Student), 2008

HAZAR A. B., Restoratif Dental Malzemelerde Yüzey-Polimer Etkileşimlerinin Moleküler Modellenmesi, Postgraduate, E.TOPÇU(Student), 2007

HAZAR A. B., Geleneksel ve yeni metot ile yapıştırma porselen lamine veneralde kenar adaptasyonunun incelenmesi, Postgraduate, T.TAŞELİ(Student), 2006

HAZAR A. B., Klinik uygulamalarda kullanılan dental yapıştırma simanlarının su içindeki davranışlarının ve yüzey sertliklerinin incelenmesi, Postgraduate, E.Gökşen(Student), 2006

HAZAR A. B., Çene-yüz cerrahisinde kullanılan titanyum esaslı malzemelerin klinik kullanım sonrası yapısının ve özelliklerinin incelenmesi, Postgraduate, O.GÜLAY(Student), 2005

## **Jury Memberships**

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Yıldız Teknik Üniversitesi, July, 2019

Associate Professor Exam, Associate Professor Exam, Yıldız Teknik Üniversitesi, March, 2019

Associate Professor Exam, Associate Professor Exam, Yıldız Teknik Üniversitesi, September, 2018

Associate Professor Exam, Associate Professor Exam, Yıldız Teknik Üniversitesi, July, 2018

Committee Of Expert, Committee Of Expert, Yildiz Technical University, June, 2016

## **Designed Lessons**

### **Postgraduate**

Hazar A. B., Biyoseramiklerin Sentezi, Postgraduate, 2017 - 2018

### **Undergraduate**

Hazar A. B., Functional Materials, Undergraduate, 2018 - 2019

## **Research Infrastructure Information**

Hazar A. B., Araştırma Laboratuvarı, January 2013

Hazar A. B., Koyun A., YTÜ Bilim ve Teknoloji Uygulama ve Araştırma Merkezi, October 2011

## **Designed Programs**

Hazar A. B., Undergraduate, Biyomühendislik , 2007 - Continues

Hazar A. B., Undergraduate Double Major, Biyomühendislik , 2003 - Continues

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

- Experimental and numerical analysis of hot deformation during press forming of Ti-6Al-4V alloy for aerospace applications**

Uz M. M., Yapıcı G. G., Hazar A. B., Aydoğan C. S.

JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.39, no.3, pp.1-7, 2025 (SCI-Expanded)

- II. **Histological evaluation of different concentrations of hyaluronic-acid-added zinc oxide eugenol on rat molar pulp**  
Bektas I, Hazar Yoruc A. B., CİNEL Z. L., Ekinci M., Horoz S. E., Turet D. M., MENTEŞ A. R.  
Odontology, vol.113, no.1, pp.283-295, 2025 (SCI-Expanded)
- III. **Study on the durability of film adhesively bonded composite joints subjected to environmental aging**  
Alkoç A., Hazar Yoruç A. B., BAKIR M., Uşak A. C.  
Journal of Reinforced Plastics and Composites, 2025 (SCI-Expanded)
- IV. **Assessing Toxicological Safety of EverX Posterior and Filtek Ultimate: An In-Depth Extractable and Leachable Study Under ISO 10993-17 and 10993-18 Standards**  
AYDINOĞLU A., ERDEM HEPŞENOĞLU Y., YALÇIN C. Ö., Sağır K., Ölçer Us Y., Eroğlu Ş. E., HAZAR A. B.  
ACS Omega, 2025 (SCI-Expanded)
- V. **Nanoflower hydroxyapatite's effect on the properties of resin-based dental composite**  
Sagır K., Aydinoglu A., Yoruc A. B. H.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.141, no.e55347, pp.1-16, 2024 (SCI-Expanded)
- VI. **Vinorelbine-loaded multifunctional magnetic nanoparticles as anticancer drug delivery systems: synthesis, characterization, and in vitro release study**  
Özcan Z., Hazar A. B.  
Beilstein Journal of Nanotechnology, vol.15, pp.256-269, 2024 (SCI-Expanded)
- VII. **Effects of Different Types of Surfactant Treatments on the Electromechanical Properties of Multiwalled Carbon Nanotubes Decorated Electrospun Nanofibers**  
Şanlı A., Cinfer Ş. P., Hazar A. B.  
Tekstil ve Konfeksiyon, vol.34, no.1, pp.11-18, 2024 (SCI-Expanded)
- VIII. **Experimental evaluation of atmospheric plasma treatment effects on different textures of CFRP composite for aircraft applications**  
Alkoc A., Hazar Yoruc A. B., Bakir M., Usak A. C.  
Advanced Composite Materials, vol.33, no.6, pp.1303-1324, 2024 (SCI-Expanded)
- IX. **On the Hot Workability of Ti-6Al-4V Based on Thermal Processing Maps and Artificial Neural Network Modeling**  
Uz M. M., Yapici G. G., Hazar Yoruç A. B., Aydoğan C. S.  
Journal of Materials Engineering and Performance, 2024 (SCI-Expanded)
- X. **A Comparative Study on the High-Temperature Forming and Constitutive Modeling of Ti-6Al-4V**  
Uz M. M., HAZAR A. B., Aydoğan C. S., Yapici G. G.  
Journal of Materials Engineering and Performance, vol.32, no.10, pp.4376-4390, 2023 (SCI-Expanded)
- XI. **Effect of different drying techniques on silaning efficiency**  
Ozturk B., Yavuz M., Aydinoglu A., Guven O., Hazar A. B. Y.  
CERAMICS INTERNATIONAL, vol.1, pp.5573-5581, 2023 (SCI-Expanded)
- XII. **A comparative study on phenomenological and artificial neural network models for high temperature flow behavior prediction in Ti6Al4V alloy**  
Uz M. M., HAZAR A. B., Cokgunlu O., Aydogan C. S., Yapici G. G.  
MATERIALS TODAY COMMUNICATIONS, vol.33, 2022 (SCI-Expanded)
- XIII. **Evaluation of different remineralization agents in the treatment of natural caries-affected dentin in permanent teeth**  
Ece Y. T., Ak A., Betül K., Abh Y.  
BIO-MEDICAL MATERIALS AND ENGINEERING, vol.34, no.1, pp.1-10, 2022 (SCI-Expanded)
- XIV. **Development of Biomimetic Hydroxyapatite Containing Dental Restorative Composites**  
AYDINOĞLU A., Turkcan J. H., Kelesoglu E., HAZAR A. B.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.47, no.5, pp.6667-6678, 2022 (SCI-Expanded)
- XV. **Effect of water absorption and hydroxyapatite addition on mechanical and microstructural properties of dental luting cements**  
Elibol C., Atalay E. G., Sagir K., HAZAR A. B.  
MATERIALS TESTING, vol.64, no.3, pp.303-313, 2022 (SCI-Expanded)
- XVI. **Evaluation of different irrigation solutions and activation methods on removing calcium hydroxide**  
Harzivartyan S., Hazar A. B., Kartal N., Cimilli Z. H.

- JOURNAL OF DENTAL SCIENCES, vol.16, no.2, pp.700-705, 2021 (SCI-Expanded)
- XVII. **Enhanced mechanical properties of poly (vinyl alcohol)/boron phosphate nanocomposites**  
Uğraşkan V., Sazcı O., Hazar A. B.  
Plastics, Rubber and Composites, vol.50, no.10, pp.477-484, 2021 (SCI-Expanded)
- XVIII. **Effects of binder and compression strength on molding parameters of dental ceramic blocks**  
Uz M. M., Aydinoglu A. K., HAZAR A. B.  
CERAMICS INTERNATIONAL, vol.46, no.8, pp.10186-10193, 2020 (SCI-Expanded)
- XIX. **Characterization of the grout produced from argillaceous limestone for the consolidation of historic buildings**  
OKTAY D., UĞURYOL M. F., GÜNER M. B., HAZAR A. B., YÜZER N.  
Journal Of The Faculty Of Engineering And Architecture Of Gazi University, vol.35, no.3, pp.1387-1397, 2020 (SCI-Expanded)
- XX. **In vitro bioactivity of laser surface-treated Ti6Al4V alloy**  
Yoruç A. B. H., KELEŞOĞLU E., Yıldız H. E.  
Lasers in Medical Science, vol.34, no.8, pp.1567-1573, 2019 (SCI-Expanded)
- XXI. **Effects of silane-modified fillers on properties of dental composite resin**  
Aydinoğlu A., Yoruç A. B.  
Materials Science and Engineering C, vol.79, pp.382-389, 2017 (SCI-Expanded)
- XXII. **The precursors effects on biomimetic hydroxyapatite ceramic powders**  
Yoruc A. B., Aydinoglu A.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.75, pp.934-946, 2017 (SCI-Expanded)
- XXIII. **Effect of Water Storage on The Mechanical Properties of Zinc Polycarboxylate Cements**  
HAZAR A. B., KARAASLAN A.  
Digest Journal Of Nanomaterials And Biostructures, vol.2, no.2, pp.243-252, 2017 (SCI-Expanded)
- XXIV. **Reduction Mechanism of Chromite Spinel With Carbon**  
HAZAR A. B.  
Minerals & Metallurgical Processing, vol.24, no.2, pp.115-120, 2017 (SCI-Expanded)
- XXV. **Material Characterization of Byzantine Period Brick Masonry Walls Revealed in Istanbul (Turkey)**  
ULUKAYA S., YORUC A. B., YÜZER N., OKTAY D.  
PERIODICA POLYTECHNICA-CIVIL ENGINEERING, vol.61, no.2, pp.209-215, 2017 (SCI-Expanded)
- XXVI. **HAIR, URINE AND SERUM SELENIUM STATUS IN PEDIATRIC CANCER PATIENTS**  
Karaman S., Vural S., Mansuroğlu B., Yıldırmak Y., Kızılbey K., Derman S., Hazar A. B.  
PEDIATRIC BLOOD & CANCER, vol.62, 2015 (SCI-Expanded)
- XXVII. **Synthesis of Hydroxyapatite/Collagen (HA/COL) Composite Powder Using a Novel Precipitation Technique**  
Yoruc A. B., Aydinoglu A. K.  
ACTA PHYSICA POLONICA A, vol.127, no.4, pp.1264-1267, 2015 (SCI-Expanded)
- XXVIII. **Selenium status in blood, urine, and hair samples of newly diagnosed pediatric cancer patients**  
Karaman S., MANSUROĞLU B., Kızılbey K., DERMAN S., HAZAR A. B.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.45, no.2, pp.329-334, 2015 (SCI-Expanded)
- XXIX. **Wear behaviour of Ti6Al4V alloy blasted with zirconia/hydroxyapatite powders**  
Yoruc A. B., Elkoca O., Yildiz H. E., KOYUN A.  
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.66, no.1, pp.106-110, 2014 (SCI-Expanded)
- XXX. **Effect of Precipitation Method on Properties of Hydroxyapatite Powders**  
Yoruc A. B., Karakas Aydinoglu A., Ayas E., Koyun A.  
ACTA PHYSICA POLONICA A, vol.123, pp.371-373, 2013 (SCI-Expanded)
- XXXI. **Effect of Different Phosphorus Precursors on Biomimetic Hydroxyapatite Powder Properties**  
Karakas A., Yoruc A. B., Gokce H., Karabulut A., Erdogan D.  
ACTA PHYSICA POLONICA A, vol.123, no.2, pp.418-420, 2013 (SCI-Expanded)
- XXXII. **Effect of Precipitation Method on Properties of Hydroxyapatite Powders.**  
KOYUN A., HAZAR A. B., AYAS E., KARAKAŞ AYDINOĞLU A.  
Acta Physica Polonica A, vol.123, no.2, pp.371-373, 2013 (SCI-Expanded)

- XXXIII. **Pyrolysis of Low Rank Lignites**  
KOYUN A., Yoruc A. B. H., Erdogan D. C., Ahlatcioglu E.  
ACTA PHYSICA POLONICA A, vol.123, no.2, pp.396-397, 2013 (SCI-Expanded)
- XXXIV. **The erosion kinetics of conventional and resin-modified glass-ionomer luting cements in acidic buffer solutions**  
Hazar-Yoruc B., Bavbek A. B., Ozcan M.  
DENTAL MATERIALS JOURNAL, vol.31, no.6, pp.1068-1074, 2012 (SCI-Expanded)
- XXXV. **Sonochemical Synthesis of Hydroxyapatite Nanoparticles with Different Precursor Reagents**  
HAZAR A. B., İpek Y.  
ACTA PHYSICA POLONICA A, vol.121, no.1, pp.230-232, 2012 (SCI-Expanded)
- XXXVI. **Comparison of Properties of Hydroxyapatite Powders Synthesized by Chemical and Biomimetic Techniques**  
Hazar Yoruç A. B., Karakaş Aydınoglu A., Koyun A., Yildiz T.  
ACTA PHYSICA POLONICA A, vol.121, pp.233-235, 2012 (SCI-Expanded)
- XXXVII. **Effect of Different Calcium Precursors on Biomimetic Hydroxyapatite Powder Properties**  
Karakas Aydınoglu A., Yoruc A. B., Erdogan D., Doğan M.  
ACTA PHYSICA POLONICA A, vol.121, no.1, pp.236-239, 2012 (SCI-Expanded)
- XXXVIII. **Determination of Wear Behaviour of Titanium Alloys Implant Materials Blasted With Mixture of Zirconia Silica Hydroxyapatite Powders**  
Hazar A. B., Uzunsoy D., Ekşioğlu H., Sen O., Demir H., Ömürlü V. E., Koyun A.  
Journal Of Biomechanics, vol.43, pp.56-57, 2010 (SCI-Expanded)
- XXXIX. **Fatigue behaviour of the chemically treated titanium grade 4 implant material**  
Hazar A. B., Keleşoğlu E.  
Journal Of Optoelectronics And Advanced Materials, vol.1, no.2, pp.200-208, 2009 (SCI-Expanded)
- XL. **Double Step Stirring: A Novel Method For Precipitation of Nano-Sized Hydroxyapatite Powder**  
Hazar A. B., Koca Y.  
Digest Journal Of Nanomaterials And Biostructures, vol.4, no.1, pp.73-81, 2009 (SCI-Expanded)
- XLI. **Examination of the properties of Ti-6Al-4V based plates after oral and maxillofacial application**  
Hazar Yoruç A. B., Gulay O., Sener B.  
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.9, no.8, pp.2627-2633, 2007 (SCI-Expanded)
- XLII. **Preparation and in vitro bioactivity of CaSiO<sub>3</sub> powders**  
Hazar A. B.  
CERAMICS INTERNATIONAL, vol.33, no.4, pp.687-692, 2007 (SCI-Expanded)
- XLIII. **A study on the structural analysis of aluminium drosses and processing of industrial aluminium salty slags**  
Hazar A. B., Saridede M. N., Çiğdem M.  
SCANDINAVIAN JOURNAL OF METALLURGY, vol.34, no.3, pp.213-219, 2005 (SCI-Expanded)
- XLIV. **Effect of early water contact on solubility of glass ionomer luting cements.**  
Gemalmaz D., Yoruc B., ÖZCAN M., Alkumru H.  
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- XLV. **Identification of the phases formed during thermal decomposition of manganese ore Identifizierung der bei der thermischen zersetzung von manganerz gebildeten phasen**  
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TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, March 2019  
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, January 2019  
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, January 2019  
TUBITAK Project, 3501 - National Young Researcher Career Development Program, January 2019  
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, January 2019  
TUBITAK Project, 1002 - Quick Support Program, December 2018  
TUBITAK Project, 1002 - Quick Support Program, May 2018  
TUBITAK Project, 3501 - National Young Researcher Career Development Program, March 2018  
TUBITAK Project, 3501 - National Young Researcher Career Development Program, March 2018  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, March 2018  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, March 2018  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, March 2018  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, March 2018  
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, February 2018  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, February 2018  
Project Supported by Higher Education Institutions, December 2017  
TUBITAK Project, 3001 - Initial R&D Projects Support Program, November 2017  
TUBITAK Project, 1002 - Quick Support Program, October 2017  
Project Supported by Higher Education Institutions, September 2017  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, September 2017  
TUBITAK Project, 1003 - Priority Areas R&D Projects Support Program, May 2017  
TUBITAK Project, 1003 - Priority Areas R&D Projects Support Program, May 2017

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TUBITAK Project, 1003 - Priority Areas R&D Projects Support Program, May 2017  
TUBITAK Project, 3001 - Initial R&D Projects Support Program, May 2017  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, January 2017  
TUBITAK Project, 1501 - Industry R & D Projects Support Program, December 2016  
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, June 2016  
Industrial Organizations of Other Countries Supported Project, January 2016  
Industrial Organizations of Other Countries Supported Project, January 2016  
TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, December 2015  
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TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, December 2015  
TUBITAK Project, 1501 - Industry R & D Projects Support Program, December 2014  
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, October 2013  
Industrial Organizations of Other Countries Supported Project, July 2013  
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, August 2011

## Tasks In Event Organizations

Hazar A. B., 14th International Conference on Advances in Materials and Processing Technologies (AMPT 2011), Scientific Congress, İstanbul, Turkey, Temmuz 2011  
Hazar A. B., Transdisipliner Günlük 2: Biyonik, Biyomedikal ve Biyomekatronik Teknolojileri, Workshop Organization, İstanbul, Turkey, Mayıs 2011  
Hazar A. B., Biyomühendislik; Problemler ve Perspektifler, Workshop Organization, İstanbul, Turkey, Ekim 2004  
Hazar A. B., Ülkemizde temel bilimler, yaşam bilimleri ve mühendislik alanlarında uzmanlaşmış 26 kişinin yer aldığı seminer programının düzenlenmesi ve yürütülmesi, Scientific Congress, Turkey, Temmuz 2004

## Metrics

Publication: 183  
Citation (WoS): 323  
Citation (Scopus): 389  
H-Index (WoS): 11  
H-Index (Scopus): 11

## Invited Talks

## Awards

Hazar A. B., Toraman A., Gümüş Madalya-Yüksek Safılıkta Beta-Trikalsiyum Fosfat (Beta-Tcp) Üretimi, October 2021

Yüzer N., Hazar A. B., Uğuryol M. F., Oktay D., Silver Medal-Production Method of Ready-Mixed Injection Material Containing Nano Hydraulic Lime, İstanbul Uluslararası Buluş Fuarı (Isıf) 2021, September 2021

Hazar A. B., Aydınoglu A., Toraman A., Silver Medal-Material for Repairing Skull Tissues and Its Production Method, İstanbul Uluslararası Buluş Fuarı (Isıf'20), September 2021

Hazar A. B., The precursors effects on biomimetic hydroxyapatite ceramic powders, Tübitak, April 2018

Hazar A. B., Effects of silane-modified fillers on properties of dental composite resin, Tübitak, April 2018

Hazar A. B., Synthesis of Hydroxyapatite/Collagen (HA/COL) Composite Powder Using a Novel Precipitation Technique, Tübitak, November 2015

Hazar A. B., Examination of the properties of Ti-6Al-4V based plates after oral and maxillofacial application, Tübitak, August 2007

Hazar A. B., REDUCTION MECHANISM OF CHROMITE SPINEL WITH CARBON, Tübitak, July 2007

Hazar A. B., Preparation and In Vitro Bioactivity of CaSiO<sub>3</sub> Powders, Tübitak, June 2007

Hazar A. B., Marginal Adaptation of a Sintered Ceramic Inlay System Before and After Cementation, Tübitak, January 1997

## Non Academic Experience

APara TV, Fikir Fabrikası Programında Konuşmacı

Adana Dış Hekimleri Odası, Seminer

CNN TÜRK, TV Programı / Yaşamın Kimyası -19.02.2017

TÜBİTAK, Çağrılı Projeler Danışma Kurulu (ÇPDK-Biyomalzeme) Üyesi (1511 Öncelikli Alanlar Araştırma Teknoloji Geliştirme ve Yenilik Projeleri Destekleme Programı)