

Assoc. Prof. Aysu AYDINOĞLU

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Publons / Web Of Science ResearcherID: AAP-7222-2020

ScopusID: 54913079100

Yoksis Researcher ID: 162229



## Education Information

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- I. Post Doctorate, Tobb University Of Economics And Technology, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 2017 - 2019
- II. Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Bioengineering, Turkey 2011 - 2016
- III. Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Chemistry, Turkey 2009 - 2011
- IV. Undergraduate, Zonguldak Bülent Ecevit University, Faculty Of Arts And Sciences, Turkey 2004 - 2009

## Foreign Languages

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- I. English, B2 Upper Intermediate

## Certificates, Courses and Trainings

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- I. Entrepreneurship, Girişimcilik Eğitimi, Ministry of science, industry and technology, 2014
- II. Quality Management, TS EN ISO9001:2008 KYS İç Denetçilik/Tetkik Eğitimi , Yıldız Teknik Üniversitesi, 2012
- III. Quality Management, TS EN ISO 9001:2008 Kalite Yönetim Sistemi, Yıldız Teknik Üniversitesi, 2012
- IV. Quality Management, İyi Üretim Uygulamaları (GMP), Kimyagerler Derneği, 2009
- V. Vocational Training, Gıda İşletmelerinde Sorumlu Müdürlük , Kimyagerler Derneği, 2009

## Dissertations

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- I. Doctorate, Production of Novel Dental Restorative Materials by Biomimetic Technique , Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Bioengineering, 2016
- II. Postgraduate, Synthesis of Hydroxyapatite Powders Using Simulated Body Fluids, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Chemistry, 2011

## Research Areas

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Material science and engineering

## Academic Titles / Tasks

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- I. Lecturer PhD, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 2020 - Continues
- II. Expert, Yildiz Technical University, Rectorate, Bilim ve Teknoloji Uygulama ve Araştırma Merkezi, 2012 - 2013

## Academic and Administrative Experience

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- I. Erasmus Coordinator, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 2020 - Continues
- II. Rektörlük Kalite Komisyonu Üyesi, Yildiz Technical University, Rectorate, Rectorate, 2012 - 2013
- III. Birim Kalite Komisyonu Üyesi, Yildiz Technical University, Rectorate, Rectorate, 2012 - 2013

## Courses

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### I. Postgraduate

- I. Biyomimetik ve Nanobiyoteknoloji, Postgraduate, 2022 - 2023, 2021 - 2022
- II. Biyoseramiklerin Sentezi, Postgraduate, 2019 - 2020, 2018 - 2019
- III. İleri Biyomedikal Malzemeler, Postgraduate, 2019 - 2020

### II. Undergraduate

- I. Standardization and Conformity, Undergraduate, 2022 - 2023, 2021 - 2022
- II. Graduation Project, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021
- III. Quality Management, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021
- IV. Kalite Yönetimi, Undergraduate, 2022 - 2023, 2021 - 2022
- V. Standardizasyon ve Uygunluk, Undergraduate, 2022 - 2023, 2020 - 2021
- VI. Graduation Project, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
- VII. Physicochemistry, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021
- VIII. Entrepreneurship and Project Management, Undergraduate, 2022 - 2023
- IX. Design Applications in Material Technologies, Undergraduate, 2022 - 2023
- X. Malzeme Teknolojilerinde Tasarım Uygulamaları , Undergraduate, 2022 - 2023, 2020 - 2021
- XI. Hydrometallurgy, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021
- XII. Functional Materials, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

## Supervised Theses

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- I. Hazar A. B., Aydınoglu A., Farklı Modifikasyon Ajanları İle Yüzey İşlemi Uygulanmış Selüloz Nano Kristal (SNK) Yapıların Dental Kompozitlerin Mekanik Özelliklere Etkisinin İncelenmesi, Postgraduate, M.YAVUZ(Student), 2023
- II. Aydınoglu A., Hazar A. B., Restoratif dental kompozitler için hidroksiapatit esaslı nanoçiçek morfolojili destekleyici faz üretimi ve karakterizasyonu, Postgraduate, K.SAĞIR(Student), 2021

## Designed Lessons

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## I. Undergraduate

- I. Aydınoğlu A., Additive Manufacturing Technologies, Undergraduate, 2023 - 2024
- II. Aydınoğlu A., Tıbbi Cihaz Yasal Düzenlemeleri ve Süreçler, Undergraduate, 2023 - 2024

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

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- I. **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)
- II. **Enhancing orthopedic outcomes: A comparative analysis of gentamicin sulphate and nanosilver in bone cement**  
Aydınoğlu A.  
HELIYON, vol.10, no.15, pp.1-9, 2024 (SCI-Expanded)
- III. **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)
- IV. **A comparison of the effects of incremental and snowplow techniques on the mechanical properties of composite restorations**  
Ölçer Us Y., AYDINOĞLU A., ERŞAHAN EROĞLU Ş., ERDEM HEPŞENOĞLU Y., Sağır K., Üşümez A.  
Australian Dental Journal, vol.69, no.1, pp.40-48, 2024 (SCI-Expanded)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **Effects of silane-modified fillers on properties of dental composite resin**  
Aydınoğlu A., Yoruc A. B.  
Materials Science and Engineering C, vol.79, pp.382-389, 2017 (SCI-Expanded)
- X. **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)
- XI. **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)
- XII. **Effect of Precipitation Method on Properties of Hydroxyapatite Powders**  
Yoruc A. B., Karakas Aydınoğlu A., Ayas E., Koyun A.  
ACTA PHYSICA POLONICA A, vol.123, pp.371-373, 2013 (SCI-Expanded)
- XIII. **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)

XIV. **Effect of Different Calcium Precursors on Biomimetic Hydroxyapatite Powder Properties**

Karakas Aydınoğlu A., Yoruc A. B., Erdogan D., Doğan M.  
ACTA PHYSICA POLONICA A, vol.121, no.1, pp.236-239, 2012 (SCI-Expanded)

XV. **Comparison of Properties of Hydroxyapatite Powders Synthesized by Chemical and Biomimetic Techniques**

Hazar Yoruç A. B., Karakaş Aydınoğlu A., Koyun A., Yıldız T.  
ACTA PHYSICA POLONICA A, vol.121, pp.233-235, 2012 (SCI-Expanded)

## Articles Published in Other Journals

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I. **The effect of photoactivated Riboflavin on primary dentin remineralization: a pilot study**

Muratoglu B., Aydınoğlu A., Yoruc A. B., Kargul B.  
Journal of research in pharmacy (online), vol.27, no.3, pp.1015-1020, 2023 (Scopus)

II. **Influence of Different Irrigation Solutions on the Push-Out Bond Strength of Fiber Posts to Root Dentin and Root Canal Dentin Microhardness: Methodological Study**

Erdem Hepşenoğlu Y., Erşahan Eroğlu Ş., Yılmaz B., Aydınoğlu A., Sağır K., Hazar A. B.  
Türkiye Klinikleri Diş Hekimliği Bilimleri Dergisi, vol.29, no.1, pp.83-91, 2023 (Peer-Reviewed Journal)

III. **The Effect of Repolishing on the Surface Roughness and Color Stability of Air-Abraded Resin Composites**

Altaş N., Aydınoğlu A., Gözetici B., Keleşoğlu E., Sağır K.  
International Dental Research, vol.12, no.3, pp.1-6, 2022 (Peer-Reviewed Journal)

IV. **Synthesis of Yttria-Stabilized Zirconia (YSZ) Ceramic Powder Using Modified Sol-Gel Method**

Aydınoğlu A., Hazar A. B.  
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.19, no.3, pp.871-875, 2019 (Peer-Reviewed Journal)

## Books

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I. **25-Regulations and standards for polymers in medicine**

Aydınoğlu A., Uğurlu Yinsel D., Hazar A. B.  
in: Handbook of Polymers in Medicine, Masoud Mozafari, Narendra Pal Singh Chauhan, Editor, Woodhead Publishing Limited, Chennai, pp.703-733, 2023

II. **8-Polyurethane as biomaterials for biomedical applications**

Yavuz M., Aydınoğlu A., Güner M. B., Hazar A. B.  
in: Handbook of Polymers in Medicine, Masoud Mozafari, Narendra Pal Singh Chauhan, Editor, Woodhead Publishing Limited, Chennai, pp.243-262, 2023

III. **20 - Emerging polymers in dentistry**

Öztürk B., Aydınoğlu A., Hazar A. B.  
in: Handbook of Polymers in Medicine, Masoud Mozafari, Narendra Pal Singh Chauhan, Editor, Woodhead Publishing Limited, Chennai, pp.527-573, 2023

IV. **Tissue Engineering, Cardiac: Biomaterials, Stem Cells, and Biomolecules**

Türkoğlu N., Kızılbaş K., Aydınoğlu A.  
in: , Munmaya Mishra, Editor, Taylor & Francis Group, London, pp.1-25, 2015

## Papers Published in Refereed Scientific Meetings

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- I. **Süt Dişlerinde Dentin Çürüğü Tedavisinde Farklı Remineralizasyon Ajanlarının Etkisi**  
Yilmazkasapoglu E., AYDINOĞLU A., HAZAR A. B., KARGÜL B.  
Türk Pedodonti Derneği 27. Bilimsel Kongresi, 07-10 Ekim 2021, Girne, Cyprus (Kkctc), 7 - 10 October 2021
- II. **INVESTIGATION OF THE EFFECTS OF PRODUCTION METHODS ON HYDROXYAPATITE MORPHOLOGY AND ON THE MECHANICAL PROPERTIES OF DENTAL COMPOSITES**  
Sağır K., Aydınoğlu A., Hazar A. B.  
MAS 14th INTERNATIONAL EUROPEAN CONFERENCE ON MATHEMATICS, ENGINEERING, NATURAL & MEDICAL SCIENCES, Budapest, Hungary, 26 - 28 March 2021, pp.44-49
- III. **Effect Of Colorants On The Photo-Curing Characteristics of 3D Printing Resins**  
İlkakın R., Aydınoğlu A., Hazar A. B.  
9.Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, İstanbul, Turkey, 18 - 20 December 2020
- IV. **RİBOFLAVİN'İN DENTİN YÜZEY MİKROSERTLİĞİNE ETKİSİ**  
Muratoğlu B., KARGÜL B., HAZAR A. B., AYDINOĞLU A.  
5. Uluslararası Tıp ve Sağlık Bilimleri Araştırmaları Kongresi UTSAK), Turkey, 12 - 13 December 2020
- V. **Investigation of Mechanical and Physical Properties of Resin-Based Composite and Short Fiber Resin Composites Used Together in Dental Restorations**  
SAĞIR K., ÖLÇER US Y., AYDINOĞLU A., HAZAR A. B.  
10. UMTEB INTERNATIONAL CONGRESS ON VOCATIONAL and TECHNICAL SCIENCE, Online, Azerbaijan, 16 - 18 October 2020, pp.80
- VI. **The Effects of Different Drying Methods on The Silica Nanoparticles**  
ÖZTÜRK B., AYDINOĞLU A., HAZAR A. B.  
Fifth International Mediterranean Congress on Natural Sciences, Health Sciences and Engineering (MENSEC V), Budapest, Hungary, 10 September 2019, pp.191
- VII. **Investigating The Effect of Toggling on The Pullout Strength of Pedicle Screws**  
Kul S., Uslan Y., AYDINOĞLU A., ERBAY ELİBOL F. K., DEMİR T.  
ESB2019, Austria, 7 - 10 July 2019
- VIII. **Effects of Reinforcing Phase Systems Modified by Binding Agents on Properties of Dental Restorative Materials**  
HAZAR A. B., AYDINOĞLU A.  
TechConnect World Innovation, United States Of America, 22 - 25 May 2016
- IX. **Bağlayıcı Ajanlar ile Modifiye Edilmiş Destekleyici Faz Sistemlerinin Dental Restoratif Malzemelerin Özellikleri Üzerindeki Etkisi**  
AYDINOĞLU A., HAZAR A. B.  
KOMPEGE, Turkey, 5 - 07 November 2015
- X. **SYNTHESIS OF YTTRIA-STABILIZED ZIRCONIA (YSZ) CERAMIC) POWDER**  
Üstün N., AYDINOĞLU A., HAZAR A. B.  
APMAS2014, Turkey, 24 - 27 April 2014
- XI. **SYNTHESIS OF HYDROXYAPATITE/COLLAGEN (HA/COL) COMPOSITE POWDER**  
HAZAR A. B., AYDINOĞLU A.  
APMAS2014, Turkey, 24 April 2014
- XII. **Sentetik Vücut Sıvılarında Hidroksiapatit Sentezi**  
AYDINOĞLU A., HAZAR A. B., DOĞAN M.  
Biyomut2012, Turkey, 3 - 05 October 2012
- XIII. **Effect of different phosphorus precursors on biomimetic hydroxyapatite powder properties**  
HAZAR A. B., AYDINOĞLU A., GÖKÇE H., BÜYÜKPINAR Ç., KARABULUT A.  
APMAS2012, Turkey, 24 - 29 June 2012
- XIV. **A COMPARISON OF TWO PRODUCTION METHODS OF WOOD POLYMER COMPOSITES**  
KOYUN A., HAZAR A. B., AYDINOĞLU A., ÖZEROL E., CEYLAN ERDOĞAN D.  
International Congress of Chemical Engineering, Spain, 24 June 2012
- XV. **Comparison of HA-Based Coatings on Cp-Ti Implants by Biomimetic Method**  
HAZAR A. B., AYDINOĞLU A., KARABULUT A., ELKOCA O., GÖKÇE H.

International Congress of Chemical Engineering, Spain, 24 June 2012

**XVI. CHARACTERIZATION OF HA/CNT COMPOSITES SYNTHESIZED BY USING BIOMIMETIC METHOD FOR MEDICAL APPLICATIONS**

AYDINOĞLU A., HAZAR A. B., ELKOCA O., KARABULUT A.

International Congress of Chemical Engineering, Spain, 24 June 2012

**XVII. Comparison of Properties of Hydroxyapatite Powders Synthesized by Chemical and Biomimetic Techniques**

Aydinoğlu A., Hazar A. B., Koyun A., Ceylan Erdoğan D.

APMAS, Antalya, Turkey, 26 - 29 April 2012, pp.85

**XVIII. Comparison of mechanical properties of HA- based powders synthesized by using chemical and biomimetic methods**

AYDINOĞLU A., HAZAR A. B., KOYUN A., CEYLAN ERDOĞAN D.

APMAS2012, Turkey, 26 - 29 April 2012

**XIX. Hydroxyapatite coating on Cp-Ti implants by biomimetic method**

ELKOCA O., YORUC A. B., KARAKAS A., KOYUN A.

14th International Conference on Advances in Materials and Processing Technologies, AMPT 2011, İstanbul, Turkey, 13 - 16 July 2011, vol.445, pp.679-684

**XX. Yttria-Doped Zirconia-Hydroxyapatite Composite Coating on Cp-Ti Implants by Biomimetic Method**

Karakas A., Yoruc A. B., Erdogan D., Elkoca O.

14th International Conference on Advances in Materials and Processing Technologies (AMPT), İstanbul, Turkey, 13 - 16 July 2011, vol.445, pp.691-692

**XXI. Zirconia-Hydroxyapatite Composite Coating on Cp-Ti Implants by Biomimetic Method**

Yoruc A. B., Karakas A., Elkoca O., Ipek Y. K.

14th International Conference on Advances in Materials and Processing Technologies (AMPT), İstanbul, Turkey, 13 - 16 July 2011, vol.445, pp.685-686

**XXII. Farklı Başlangıç Maddeleri Kullanılarak Kimyasal ve Biyomimetik Yöntemlerle Sentezlenmiş Hidroksiapatit Tozlarının Özelliklerinin İncelenmesi**

DOĞAN M., AYDINOĞLU A., İPEK Y., YILDIZ T., KOYUN A., UZUNSOY D., HAZAR A. B.

25. Ulusal Kimya Kongresi, Turkey, 27 June - 02 July 2011

**XXIII. Effect of Different Calcium Precursors on Biomimetic Hydroxyapatite Properties**

AYDINOĞLU A., CEYLAN ERDOĞAN D., DOĞAN M., HAZAR A. B.

APMAS2011, Turkey, 12 May - 17 June 2011

**XXIV. HA/Kollajen/Nanotüp Katkılı Dental Kompozitlerin Üretimi**

HAZAR A. B., ŞENER B. C., UZUNSOY D., AYDINOĞLU A., Benlioğlu S., BÜYÜKPINAR Ç.

Fikirler Pazarı, Turkey, 24 - 25 May 2011

**XXV. SYNTHESIS AND CHARACTERIZATION OF HYDROXYAPATITE/ZIRCONIA (HA\_ZrO2) CERAMIC COMPOSITE POWDER**

AYDINOĞLU A., HAZAR A. B.

APMAS2014, Turkey, 24 April 2014 - 27 April 2011

## Supported Projects

- I. AYDINOĞLU A., KELEŞOĞLU E., SAĞIR K., HAZAR A. B., TAŞGIN B., Öztürk B., Project Supported by Higher Education Institutions, 3 Boyutlu Yazıcı Reçinelerinin Foto-Kürlenme Özellikleri Üzerine Renklendiricilerin Etkisi, 2021 - 2024
- II. Aydınoğlu A., Technopark, Uçucu organik bileşiklerin düşük konsantrasyonlarda tespiti için yeni metot geliştirilmesi, 2022 - 2023
- III. Aydınoğlu A., Technopark, Tıbbi Cihaz Yönetmeliği (MDR3) Sürecinde Firmaların Tıbbi Cihazlarına Yönelik Standartların ve Uygulama Metodlarının Belirlenmesi, 2021 - 2022
- IV. AYDINOĞLU A., HAZAR A. B., SAĞIR K., Project Supported by Higher Education Institutions, Nanoçiçek Yapılı

Hidroksiapatit ve Flor İçeren Antibakteriyel Ajanların Geliştirilmesi ve Dental Kompozitler Üzerindeki Etkisinin İncelenmesi, 2020 - 2022

- V. Aydınöđlu A., Technopark, Tıbbı Cihaz Yönetmeliđi (MDR2) Sürecinde Firmaların Tıbbı Cihazlarına Yönelik Standartların ve Uygulama Metodlarının Belirlenmesi, 2020 - 2021
- VI. Aydınöđlu A., KOSGEB, Antibakteriyel Özellikte Kemik Çimentosu Üretimi, 2020 - 2021
- VII. Hazar A. B., Aydınöđlu A., TUBITAK Project, Rejeneratif/Antibakteriyel Özellikli Kompozit Dolgu Malzemelerinin Geliştirilmesi Ve Performansının Deđerlendirilmesi, 2019 - 2021
- VIII. Aydınöđlu A., Technopark, Tıbbı Cihaz Yönetmeliđi (MDR) Sürecinde Firmaların Tıbbı Cihazlarına Yönelik Standartların ve Uygulama Metodlarının Belirlenmesi, 2020 - 2020
- IX. Demir T., TUBITAK Project, Çöđünme (Toggling) Yüklemesinin Pedikül Vidalarının Çekip-Çıkarma Performansına Etkisinin İncelenmesi, 2017 - 2019
- X. HAZAR A. B., AYDINOĐLU A., Project Supported by Higher Education Institutions, Konservatif Diş Tedavilerinde Kullanılan Hibrit Kompozitlerin Mekanik ve Biyolojik Özelliklerinin Geliştirilmesi, 2015 - 2017
- XI. HAZAR A. B., AYDINOĐLU A., Project Supported by Higher Education Institutions, Dental Zirkonya Blok Üretimi ve Karakterizasyonu, 2013 - 2017
- XII. HAZAR A. B., AYDINOĐLU A., Project Supported by Higher Education Institutions, BİYOMİMETİK YÖNTEMLE YENİ NESİL DENTAL RESTORATİF MALZEMELERİN ÜRETİMİ, 2014 - 2016
- XIII. Aydınöđlu A., Project Supported by Other Private Institutions, Dental Zirkonya Blokların Üretimi, 2013 - 2014
- XIV. Aydınöđlu A., Hazar A. B., Project Supported by Higher Education Institutions, Titanyum Esaslı Biyomedikal Malzemelerin Yüzeylerinin Hidroksiapatit/Karbon Nanotüp Kompozit Yapılar İle Modifikasyonu, 2010 - 2012
- XV. HAZAR A. B., AYDINOĐLU A., Project Supported by Higher Education Institutions, Titanyum Esaslı Biyomedikal Malzemelerin Yüzeylerinin Hidroksiapatit/Karbon Nanotüp Kompozit Yapılar İle Modifikasyonu, 2010 - 2012
- XVI. Aydınöđlu A., Hazar A. B., Project Supported by Higher Education Institutions, HA/ZrO<sub>2</sub> Kompozit Seramik Tozlarının Sentezi ve HA/ZrO<sub>2</sub> Katkılı Dental Restoratif Malzemelerinin Üretimi, 2010 - 2012
- XVII. Yoruç Hazar A. B., Karakaş Aydınöđlu A., Büyükpınar Ç., TUBITAK Project, Biyomimetik Hidroksiapatit/Kolajen/Nanotüp Katkılı Dental Kompozitlerin Üretimi, 2010 - 2012

## Patent

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- I. Aydınöđlu A., Hazar A. B., Toraman A., Kafatası dokularının onarımı için malzeme ve bunun üretim yöntemi, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2019/08580 , 2019
- II. Aydınöđlu A., Hazar A. B., ANTİBAKTERİYEL VE BİYOAKTİF ÖZELLİKLERİ GELİŞTİRİLMİŞ DESTEKLEYİCİ FAZLAR (FİLLERS) KULLANILARAK ANTİBAKTERİYEL VE REJENERATİF DENTAL KOMPOZİTLERİN ÜRETİMİ, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2018/19265 , 2018
- III. Aydınöđlu A., Hazar A. B., ANTİBAKTERİYEL VE BİYOAKTİF ÖZELLİKLERİ GELİŞTİRİLMİŞ DESTEKLEYİCİ FAZLAR (FİLLERS) KULLANILARAK FARKLI ÖZELLİKLERE SAHİP DENTAL KOMPOZİTLERİN ÜRETİMİ, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: 2017/23110 , 2017

## Peer Reviews in Scientific Publications

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- I. ACTA METALLURGICA SINICA-ENGLISH LETTERS, SCI Journal, November 2018
- II. ACTA METALLURGICA SINICA-ENGLISH LETTERS, SCI Journal, July 2018
- III. ACTA METALLURGICA SINICA-ENGLISH LETTERS, SCI Journal, July 2018
- IV. ACTA METALLURGICA SINICA-ENGLISH LETTERS, SCI Journal, June 2018
- V. ACTA METALLURGICA SINICA-ENGLISH LETTERS, SCI Journal, February 2016
- VI. ACTA METALLURGICA SINICA-ENGLISH LETTERS, SCI Journal, March 2014
- VII. ACTA METALLURGICA SINICA, SCI Journal, May 2013

## Metrics

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Publication: 48  
Citation (WoS): 114  
Citation (Scopus): 181  
H-Index (WoS): 5  
H-Index (Scopus): 6

## Awards

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- I. Hazar A. B., Aydınođlu A., Toraman A., Silver Medal-Material for Repairing Skull Tissues and Its Production Method, İstanbul Uluslararası Buluş Fuarı (Isıf'20), September 2021
- II. Aydınođlu A., 2238/ University Degree Entrepreneurship and Innovativeness Contest – General Category, Tübitak, June 2014
- III. Aydınođlu A., 2005-2006 öğretim dönemini kapsayan onur ödülü, Zonguldak Karaelmas Üniversitesi, June 2007

## Entrepreneurship Activities

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- I. Limited, Chemtox Biolab, 20 March 2020, Co-Founder

## Coaching Duties

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## Refereeing Duties

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## Non Academic Experience

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- I. Company, Biento Biolab Laboratuvar Hizmetleri ve Ticaret Limited Şirketi, Yönetim, Kurucu-Ortak
- II. Company, Chemtox Biolab , Laboratuvar , Kurucu Ortak
- III. Company, Betatech Medikal, AR-GE, Proje ve ürün geliştirme
- IV. University, YILDIZ TEKNİK ÜNİV.STRATEJİ GELİŞTİRME DAİRESİ BAŞKANLIđI, Metalurji ve Malzeme Mühendisliđi, Arge Elemanı
- V. Company, DentemOs ArGe Sanayi Ticaret ve Limited Şirketi, Kurucu, Kurucu
- VI. Company, Normmed Medikal, AR-GE, Proje geliştirme
- VII. University, Yıldız Teknik Üniversitesi, Sağlık, Kültür ve Spor Daire Başkanlıđı, Öğrenci Asistanı