

CURRICULUM VITAE



1. *Name (First,middle,last)* : Ziya Engin Erkmen
2. *Date of Birth-Place* : 1960-Eskişehir
3. *Current work* : Marmara University
Department of Materials Engineering
4. *Primary education* : Yunusemre Primary School (1967-1970)
İlhami Ahmet Örnekal P.S. (1970-1972)
- High school education* : Saint Joseph French High School (1972-1979)
5. *Higher Education* : **B.S.E** : Istanbul technical University
Department of Metallurgical Eng.
(1979-1983)
- M.S.E** : University of Michigan
in AnnArbor,
Nuclear Engineering (Materials
option) (1985-1987)
- Ph.D.** : University of Florida
in Gainesville
Nuclear Engineering ,
(Materials option) (1988-1992)
6. *Academical experiences* :Research Assistant :University of Florida
(1990-1992)
- Assistant Professor :Anadolu University
Ceramic Engineering
(March 1993-February 1997)
- İstanbul University
Faculty of Engineering

Dep. of Metallurgy

(February 1997– November1999)

Associate Professor: İstanbul University

Nov 1999- 2001.

Marmara University 2001-

Part time visiting lecturer: Yeditepe University 2002-2003

Visiting Researcher: University of Bath

School of Materials

(March 1997-August 1997)

U. of California in Berkeley

(July-September 1999)

7. Rewards/ Scholarships

:

Honor student

in Saint Joseph High School

(1972-78)

Highest GPA among 45 graduates

(İTÜ-June 1983)

Scholarship of the Ministry of Education

For higher education in USA

(August 1983)

Scholarship of Nato-Tubitak (B2)

For postdoctoral research in England

(March- September 1997)

8. Memberships

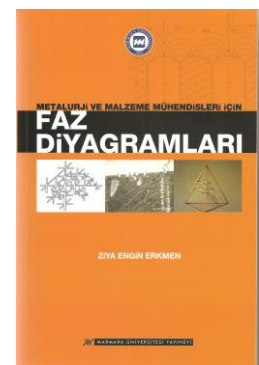
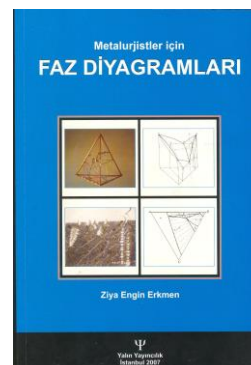
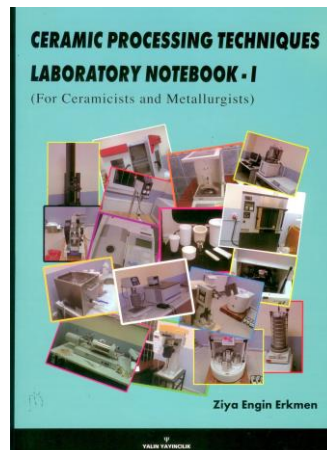
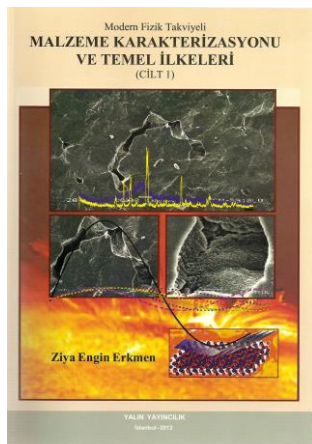
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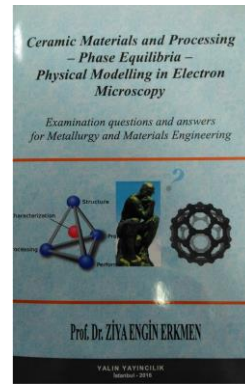
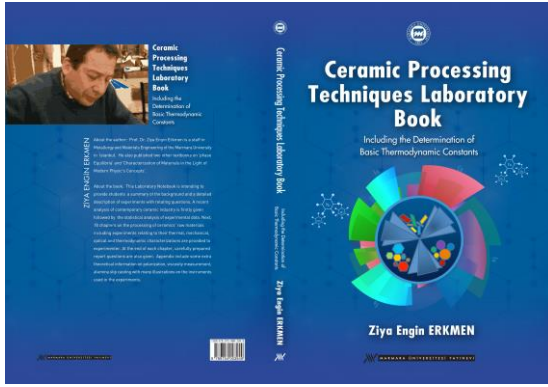
Turkish Ceramic Society

American Ceramic Society

American Nuclear Society (1985-1993)

9. Books





LIST OF PUBLICATIONS

DOÇENTLİK ÖNCESİ (As an assistant professor)

a) International (Included in Citation Index)

- 1- Interaction of Yttria with Ufn (n = 6,4) at High Temperatures,
Z.E. Erkmen and S. Anghaie,
Journal of American Ceramic Society,
Volume 77, No: 6, 1624-1632, June 1994
- 2- Performance of Molybdenum with UF₄ at High Temperatures as a Wall
Material for Space Reactors,
Z. E. Erkmen and S. Anghaie
Metallurgical and Materials Transactions A,
Volume 28A, 2123-2128, October 1997
- 3- A Study on the Reaction of Yttria in Flowing Uranium Hexafluoride (UF₆)
Gas at 900 °C,
Z. E. Erkmen
J. of Nuclear Materials
Vol. 257, 152-161, November 1998
- 4- Effect of Al₂O₃ Additions on the Thermal Expansion Behavior of a Li₂O-ZnO-
SiO₂ Glass-Ceramic,
Erdem Demirkesen, Ziya Engin Erkmen, Nil Yıldız
Journal of the American Ceramic Society
82: No. 12, Dec. 1999
- 5- The Effect of Heat Treatment on the Morphology of D-Gun Sprayed
Hydroxyapatite Coatings,
Ziya Engin Erkmen
Applied Biomaterials (J. of Biomedical Materials Research)
48: 861-868, Dec. 1999

DOÇENTLİK SONRASI (As an associate professor)

a) International (Included in Citation Index)

1. Microstructural Morphologies of Slag-Based Glass-Ceramics Nucleated with 5% Cr₂O₃ and 5% Cr₂O₃+5%TiO₂
M.L. Öveçoglu, E.Çataklı, Z.E. Erkmen, B. Özkan
Key Engineering Materials , Vol. 206-213, 863-866, 2002
2. A promising Load Carrier Grafting Material; Sintered Enamel Hydroxyapatite Bodies
F.N. Oktar, G. Göller, L.S. Özyeğin, E.Z. Erkmen, D. Toykan, H. Demirkıran, H. Haybat
Key Engineering Materials Vols. 264-268 pp. 1957-1960, 2004
3. Sintering Effect on Mechanical Properties of Enamel Derived and Syntetic Hydroxyapatite-Zirconia Composites
Y. Genç, F.N. Oktar, E.Z. Erkmen, G. Göller, D. Toykan, H. Haybat
Key Engineering Materials, Vols 264-268, pp. 1961-1964, 2004
4. Sintering of Syntetic Hydroxyapatite-Zirconia Compacts
Y. Genç, F.N. Oktar, E.Z. Erkmen, G. Göller, D. Toykan, H. Haybat
Key Engineering Materials, Vols 264-268, pp. 2087-2090, 2004
5. Plazma Sprayed Hydroxyapatite Zirconia Coatings, Plasma Sprayed Zirconia-Hydroxyapatite Composite Coatings. M.M. Aydın,. L.S., Ozyegin, F.N.Oktar,. E.Z. Erkmen, O. Anzabi, K. Gross, Key Engineering Materials, Vols 309-311 , Trans Tech. Publications, 2006
6. Improvement on the Slip Casting of Bayer-Processed Alumina, Turan Tambaş, Z.Engin Erkmen, Serdar Özgen, American Ceramic Society Bulletin, Vol. 86, No.2, pp.9201-9213, February 2007.
7. The Microstructural and Mechanical Properties of Hydroxyapatite-Zirconia Composites, Z. Engin Erkmen, Yasin Genç, F.N. Oktar, Journal of the American Ceramic Society, 90[9]2885-2892, 2007
8. Creep of Hard Porcelain During Firing, Suat YILMAZ, Z. Engin ERKMEN, American Ceramic Society Bulletin, Vol. 86, No.8, August 2007.

DOCENTLİK ÖNCESİ (As an asistant professor)

b) Printed Proceedings

- 1- Cam-Fiber takviyeli ABS Termoplastiğinin İmali ve Mekanik Davranışları
Altan Çetinkaya, Z. Engin Erkmen
Bilim Günleri
5-6-7 Mayıs 1999, Denizli
TMMOB Makine Mühendisleri Odası
Bildiriler Kitabı, Yayın No: 221, Sayfa 412-419
- 2- The Characterization of D-Gun Sprayed Hydroxyapatite Coating after Heat Treatment and Aging

Ziya Engin Erkmen, Irene G. Turner
IV. Ceramic Congress Proceedings Book, 1998, pp. 668-676
Türk Seramik Derneği Yayınları No:20,
Anadolu Üniversitesi Basımevi, Eskişehir

- 3- $\text{Li}_2\text{O-ZnO-SiO}_2$ Camlarının kristalizasyon davranışları ve ısıl genleşme özelliklerine Al_2O_3 ün etkisi,
E. Demirkesen, Z.E.Erkmen, N. Yıldız,
III Seramik Kongresi Bildiriler Kitabı, Cilt 1, 224-223
22-25 Ekim 1996
- 4- Interaction of LaB_6 with UF_6 at High Temperatures, Z.E. Erkmen,
II. Uluslar arası Seramik Kongresi Bildiriler Kitabı,
Türk Seramik Derneği Yayınları, No: 11, 218-225, Kasım 1994

c) National Articles (Research Based)

- 1- Seramik Sanayii Hızlı Pişirim Fırınlarında Kullanılan Rulo Malzemesi Müllitin Üretimi ve Mekanik Özelliklerin Belirlenmesi,
Serdar Yorulmaz, Z. E. Erkmen, Ferhat Kara,
Turkish Journal of Engineering and Environmental Sciences,
Vol 23, 1-13, Ağustos 1999

d) National Articles (Review)

- 1- Günümüz Oto Sanayiinde Sensörler ve Uygulamaları, Z. Engin Erkmen, Mühendis ve Makine, TMMOB yayınları, 429, 15-21, Kasım 1995
- 2- Silisyum Nitrür Seramikleri ve Potansiyel Uygulamaları, Z. Engin Erkmen, Mühendis ve Makine, TMMOB yayınları, 422, 52-58, Mart 1995

DOÇENTLİK SONRASI (As an associate professor)

b) Printed Proceedings

- 1- The Kinetic Modelling of the Crystallisation of Hydroxyapatite Coating produced by Detonation-Gun Spraying, Z. Engin Erkmen, Cem Kahruman, 10th Proceedings of the International Metallurgy and Materials Congress, 24-28May 2000, Vol III, pp.1561-1569.
- 2- Sert Porselenin Pişirme Sıcaklıklarındaki Sürünme Davranışlarının İncelenmesi, Suat YILMAZ, Ziya Engin ERKMEN, 12. Ulusal Metalurji ve Malzeme Kongresi, Kasım 2005, OK020, Sıra no: 235
3. Seydişehir Alüminasının Slip Döküm Parametrelerinin Belirlenmesi, Turan Tambaş, Z. Engin Erkmen, Serdar Özgen, SERES 2007 IV. Uluslararası Katılımlı Seramik, Cam, Emaye, Sır ve Boya Semineri, Kasım 2007, Anadolu Üniversitesi.

c) National Articles

- 1- Thermal Barrier Coating of Internal Combustion Engines, Denizhan Taşdıvar, Z. Engin Erkmen, Seramik Türkiye, July-August 2006, No:16, pp. 118-127.
- 2- Bioglass Preparation and Coating on Hip Joints, K.S. Öner, T. Adıyaman, Z. Engin Erkmen, Seramik Türkiye, January-February 2007, No. 19, pp: 124-135

DOÇENTLİK ÖNCESİ (As an assistant professor)

e) Printed Books

- 1- İngilizce-Türkçe Seramik Terimleri Sözlüğü
Nuran Ay, Bekir Karasu, Z. Engin Erkmen, Semra Kurama, Emel Özel
ISBN: 975-96858-0-9
Aktüel Tanıtım ve Ofset Hizmetleri
Eskişehir- Haziran 1999
- 2- Seramik Faz Diyagramları,
Yazan: Z. Engin Erkmen,
ISBN 978-975-96179-0-5, Anadolu Üniversitesi Matbaası, Ağustos 1996
- 3- Cihaz Teknolojisi, Elektrik ve Radyasyon Ölçümleri 3,
Yazan: B.E. Nolting, Çeviren: Z.E.Erkmen,
Milli Eğitim Bakanlığı Yayınları 2729,
ISBN 975-11-0861-6, ETAM A.Ş. Matbaa Tesisleri, Eskişehir 1994

DOÇENTLİK SONRASI (As an associate professor)

d) Printed Books

- 1- Ceramic Processing Techniques Laboratory Notebook,
Yazan: Ziya Engin Erkmen,
ISBN: 978-975-96179-1-2,
Kardeşler Fotokopi, Fahrettin Kerim Gökay Cad. Cad. No:106/2 İstanbul,
February 2007
- 2- Metalurjistler için Faz Diyagramları,
Yazan: Ziya Engin Erkmen,
ISBN: 978-975-96179-2-9,
Yalın Yayıncılık, Ordu Cad., Özbek Çarşısı No: 25/43, Beyazıt İstanbul
July 2007.

PROFESÖRLÜK SONRASI YAYINLAR VE ETKİNLİKLER

(As a full professor)

Printed Book(s)

1. Modern Fizik Takviyeli MALZEME KARAKTERİZASYONU ve TEMEL İLKELERİ, Prof. Dr. Ziya Engin Erkmen, Yalın Yayıncılık, Şubat 2012, **ISBN: 978-975-96179-5-0**
2. Metalurji ve Malzeme Mühendisleri için Faz Diyagramları, Ziya Engin Erkmen, Marmara Üniversitesi Yayınevi Nisan 2015; **ISBN:978-975-400-390-1**
3. Ceramic Processing Techniques Laboratory Book, including the determination of basic thermodynamic constants, Ziya Engin Erkmen, Marmara Üniversitesi Yayınevi, Ağustos 2016; **ISBN:978-975-400-396-3**
4. Ceramic Materials and Processing-Phase Equilibria-Physical Modelling in Electron Microscopy Examination questions and answers for Metallurgy and Materials Engineering, Yalın Yayıncılık, Eylül 2016 **ISBN: 978-975-96179-6-7**

Papers published included in Science Citation Index

1. Characterization and Crystallization Kinetics of Glass-ceramics developed from Erdemir Blast-Furnace Slags containing Cr₂O₃ and TiO₂ nucleants, Ziya Engin Erkmen, Emine Çatakılı, Lütfi Öveçoğlu, Advances in Applied Ceramics, 1.12.2008
2. B. Ertuğ, B.N. Çetiner, G.Sadullahoğlu, H.Gökçe, Z.E.Erkmen, M.L. Öveçoğlu, The effect of mechanical alloying on the microhardness and fracture toughness of BaTiO₃, Acta Physica Polonica A, Vol 123,2013
3. B. Bulut, N Demirkol, Z. E. Erkmen, E. S. Kayalı, "Characterization and Bioactivity of Hydroxyapatite-ZrO₂ Composites with Commercial Inert Glass (CIG) Addition", Key Engineering Materials , 631, 166-172, Nov. 2015.
4. B. Bulut, N Demirkol, Z. E. Erkmen, E. S. Kayalı, "Comparison of Microstructural and Mechanical Properties of Hydroxyapatite-Al₂O₃ Composites with Commercial Inert Glass Addition", ACTA PHYSICA POLONICA A, 127 No:4, 1094-96, April 2015
5. Biocompatibility of Hydroxyapatite-Alumina and Hydroxyapatite-Zirconia Composites including Commercial Inert Glass (CIG) as a Ternary Component B. Bulut, Z.E. Erkmen, E.S. Kayalı
Journal of ceramic science and technology, Vol.7, No.3, Pages 263-276
September 2016 DOI: 10.4416/JCST2016-00011
6. Investigation of indentation fracture toughness (KIC) and weibull parameters of 0.25Li₂O.2SiO₂-0.75BaO.2SiO₂ glass-ceramic
Burcu Ertuğ, Burcu Nilgün Çetiner, Hasan Gökçe, Z. Engin Erkmen, M. Lütfi Öveçoğlu
Archives of Metallurgy and Materials.
Please be informed that your paper will likely be allocated to issue 1 or 2 of volume 62, which are scheduled to be published in the first half of 2017
7. Characteristics and Biocompatibility of the Hydroxyapatite Based Two

Ternary Biocomposites, Berrak Bulut¹, Ziya Engin Erkmen and Eyup Sabri Kayali, *Key Engineering Materials Submitted: 2016-06-20*
ISSN: 1662-9795, Vol. 720, pp 130-140 Revised: 2016-08-04
doi:10.4028/www.scientific.net/KEM.720.130 Accepted: 2016-08-16, Online: 2016-11-21 © 2017 Trans Tech Publications, Switzerland

8. Sintering effects of mullite-doping on mechanical properties of bovine hydroxyapatite, M. Yetmez, Z.E. Erkmen, C. Kalkandelen, A. Fıcaı, F.N. Oktar, *Materials Science and Engineering C*, 77, 2017, pp. 470-475

Proceedings and National Papers

- 1- Cetiner B.N., Erkmen Z.E., “Production and Characterization of Bioglass[®]-Titania Reinforced Hydroxylapatite Composite”, *Key Engineering Materials Vols. 493-494 (2012) pp 566-571.*(Science Expanded dergi)
- 2- Cetiner B.N., Ertug B., Erkmen Z.E., “Production Process and Essential Characterization of Bioglass 45S5”, II. International Ceramic, Glass, Porcelain Enamel, Glaze and Pigment Congress (Seres’11), 10-12 October 2011. (Sözlü sunum)
- 3- Cetiner B.N., Erkmen Z.E., “Ceramic Filter Production from Seydisehir Alumina”, II. International Ceramic, Glass, Porcelain Enamel, Glaze and Pigment Congress (Seres’11), 10-12 October 2011. (Sözlü sunum)
- 4- Cetiner B.N., Erkmen Z.E., “Production and Characterization of Bioglass[®]-Titania Reinforced Hydroxylapatite Composite”, the 23rd Symposium and Annual Meeting of International Society for Ceramics in Medicine (BIOCERAMICS 23), 06-09 November 2011. (Sözlü Sunum)
- 5- Cetiner B.N., Erkmen Z.E., “Production and Characterization of Bioglass[®]-Titania Reinforced Hydroxylapatite Porous Biocomposite”, the 17th International Symposium on Biomedical Science and Technology (BIOMED 2011), 23-25 November, 2011.(Poster sunumu)
- 6- O.Anzabi, E.Z. Erkmen et Al., Characterization of Plasma Sprayed Ytria Stabilized Zirconia (8wt%) Hydroxyapatite Coatings, *Key Engineering Materials*, Vols 493-494(2012) pp. 535-538
- 7- Gençtürk S., Aslan S., Çetiner B.N. , Erkmen Z.E., “Production Methods of Porous Biocomposite and Characterization of Hydroxylapatite Based Biocomposite Produced by Using H₂O₂ as Pore Creator”, *Seramik Türkiye*, Mart-Mayıs 2012, No:39, pp.80-85
- 8- Burcu N. Çetiner, Z. Engin Erkmen, Bioglass and Titania reinforced HA Composites, characterization and Mechanical Properties, ECERS-13, 22-27 June 2013, Limoges, France

- 9- Burcu Ertuğ, B.Nilgün Çetiner, Z.Engin Erkmen, Erdem Demirkese, Li_2O - BaO - SiO_2 üçlü sisteminde Alkali-Toprak Alkali Silikat Camlarının Kristalleşme Davranışı, (Crystallization behavior of alkali-Earth alkali silicate glasses in Li_2O - BaO - SiO_2 triple system), Seramik Türkiye, Haziran-June 2013
- 10- Gamze Şenkal, Burcu N. Çetiner, Ziya Engin Erkmen, Bor Oksit ve Payreks Katkılı Bio Malzemelerin Sentezi ve Karakterizasyonu (Boron Oxide and Pyrex added Hydroxyapatite Biomaterials Synthesis and Characterization), Seramik Türkiye, Kasım (November) 2013-Şubat (february) 2014
- 11- Ziya Engin Erkmen, 'High Temperature Reaction of Yttria with UF_n (n=4,6) gases' (Invited Speaker), APMAS (The International Advances in Applied Physics and Materials Science Congress), Fethiye, Ölüdeniz, 24-27 April 2014
- 12- Burcu Nilgün Çetiner, Ziya Engin Erkmen, 'Production and Characterization of Alumina-Titania Biocomposite, Poster Presentation, APMAS, Fethiye, Ölüdeniz, 24-27 April 2014
- 13- Ziya Engin Erkmen, A Mathematical Approach to Physical Model of the Reaction of Y_2O_3 with UF_4 gas over 1000°C under Ar pressure, APMAS (The International Advances in Applied Physics and Materials Science Congress), Poster Presentation, Fethiye, Ölüdeniz, 24-27 April 2014
- 14- Berrak Bulut, Ziya Engin Erkmen, Eyüp Sabri Kayalı, Comparison of Microstructural and Mechanical Properties of Hydroxyapatite- Al_2O_3 Composites with Commercial Inert Glass Addition, APMAS (The International Advances in Applied Physics and Materials Science Congress), Poster Presentation, Fethiye, Ölüdeniz, 24-27 April 2014
- 15- Berrak Bulut, Ziya Engin Erkmen, Eyüp Sabri Kayalı, Comparison of Microstructural and Mechanical Properties of Hydroxyapatite- ZrO_2 Composites with Commercial Inert Glass Addition, APMAS (The International Advances in Applied Physics and Materials Science Congress), Springer Proceedings in Physics, 154, 241-246, 2014

JÜRİ ÜYELİKLERİ (Jury Members)

MSE Thesis

1. Master Thesis (May, 2002-İTÜ) Hasan Gökçe
Doğal Hammaddelerden Sentetik Kordiyerit Seramiklerinin Geliştirilme Karakterizasyonu

2. M.S.E. Thesis.(Febr.,2005-İTÜ) Utku İnan
Farklı Sinterleme Sıcaklıklarının Ağırlıkça %2 MnO ve %2 TiO₂ Katkılı Alümina Seramiğinin Mikroyapısal ve Fiziksel Özelliklerine olan Etkileri
3. M.S.E. Thesis (June 2003-Marmara University)Yasin Genç
Use of Factorial Design of Experiments in the Development of the Zirconia Toughened Hydroxyapatite Composites
4. M.S.E. Thesis (July 2003-İTÜ)Ahmet Çınar
Li₂O-Al₂O₃-SiO₂ Camlarının Kontrollü Kristalizasyonu ve Kimyasal Kararlılıkları
5. M.S.E. Thesis (Sept. 2003- İTÜ) Fikri Erdem Şeşen
Cüruf Esaslı Cam Seramiklerinin Sinterleme Yöntemleriyle Geliştirilmesi
6. M.S.E. Thesis (Sept., 2002-İTÜ)Mert Canaran
Mekanik Alaşımlamanın Volfram Ağır Alaşımlarının Yüksek Sıcaklık Sinterleme Davranışlarına olan Etkilerinin İncelenmesi
7. M.S.E. Thesis (May 2002-İTÜ)İzzet Gökçen Üzümlü
Yüksek fırın curuflarından renkli cam, cam-seramik üretimi ve aşınma özelliklerinin araştırılması'
8. MSE Thesis (June 2006-İTÜ) Selim Çoşkun
Development and Characterization Investigations of Mechanically Alloyed W-SiC and W-SiC-Y₂O₃ Composites
9. MSE Thesis (June, 2005-İTÜ) Ergün Subaşı
Mekanik Alaşımlama Yöntemi ile Volfram esaslı Toz Malzemelerin Sentezlenmesi ve Sinterleme Davranışları
10. MSE Thesis (July 2003-İTÜ)Mehmet Özdoğan
%15 Fluorapatit içerenPotasyum-Kalsiyum Mika Cam Seramiklerinin Kristalleşme Davranışları, Mikroyapısı ve İşlenebilirlik Özellikleri
11. MSE Thesis (July 2003-İTÜ)Özgür Akkanat
Sodyum Mikası ve Florapatit içeren İşlenebilir Cam Seramiklerin Kristalizasyon Davranışları ve İşlenebilirlik Özellikleri
12. MSE Thesis (Aug. 2006-İTÜ) Nil Ünal
The Effect of Boron Carbide Addition on the Structural and Mechanical Properties of Tungsten Composites
13. MSE Thesis Cumhuriyet Eşin
14. MSE Thesis, (Şubat 1999, İÜ), Caner Güney, Karbonca doymuş demir-Silisyum Alaşımlarının Kükürdün Giderilmesi, İstanbul Üniversitesi, Metalurji Mühendisliği.

15. MSE Thesis (January- 2008), Elif Can Özgün , ‘Microstructural and Physical Characterization of Al-TiC and Al-Ti-C Powder and Sintered Composites Synthesized by Mechanical Alloying’
16. MSE Thesis (May 2008-İTÜ), Tansel Engin
Çeşitli TeO₂-Nb₂O₅ Camlarının Termal Optik ve Mikroyapısal Özellikleri
17. MSE Thesis (May 2009-İTÜ), Aziz Genç
Development and Characterization Investigations of Mechanically Alloyed and Sintered W-TiC-Ni Composites
18. MSE Thesis (Ağustos 2009-İTÜ), Nida Yıldız Uslu (Sup: Burak Özkal)
Silisyum-PVA ve Silisyum-PVC Kompozit Tozlarının Pirolyzisi ve Karakterizasyonu
19. MSE Thesis (August 2009-İTÜ), H. Kübra Yumakgil (Sup. Burak Özkal)
Yüksek Enerjili Öğütme Sistemleriyle İnce Gümüş Tozlarının Üretimi ve Enjeksiyon Kalıplama Yöntemiyle Gümüş Takviyeli Polimer Kompozit Yapıların Geliştirilmesi
20. MSE Thesis (3.09. 2009-İTÜ), Şeyma Duman, Püskürtmeli Kurutma Tekniği ile ZnO-PVA Kompozit tozlarının hazırlanması ve bu Tozların Yüksek Sıcaklık Davranışlarının Etüdü
21. MSE Thesis (Mayıs 2009-İTÜ), Burak Bakar (Sup: Okan Addemir)
Alümina Katkılı β Silisyum Karbürün Sinterlenmesi ve Karakterizasyonu
22. MSE Thesis (04.09. 2009-İTÜ), Alper Evirgen, Synthesis and Characterization Studies of 6B Transition Metal Carbide Reinforced Al Metal Matrix Composites Developed Via Mechanical Alloying and Sintering
23. MSE Thesis (13.06. 2013-İTÜ), Gürcan Yeşilli, Dökülebilir izolasyon refrakterlerinin üretim parametrelerinin belirlenmesi, (Serdar Özgen)
24. MSE Thesis (13.06. 2013-İTÜ), Vedat Köroğlu, Refrakter üretimine yönelik olarak zirkonya stabilizasyon çalışmaları, (Serdar Özgen)
25. MSE Thesis (Mayıs 2013-İTÜ), Ahmet Burçin Batıbay, Alümina geçiş metali ikili sistemlerin zırh malzemesi olarak incelenmesi
26. MSE Thesis (18.02.2013-MÜ), Betül Kahraman, Sıpn Ep-Resin/Polyvinyl-Thermoplastic
27. MSE Thesis (Mayıs 2014-İTÜ), Nigar Demir, Magnezyum Florür Katkılı Sığır Hidroksiapatit esaslı Kompozit Biyomalzeme Üretim ve Karakterizasyonu

PH.D. Thesis

1. Ph.D Thesis (Apr.,1994-Osmangazi Un.) Güner Sümer

Aydın-Çine Feldspatlarının Özellikleri ve Flotasyon Yöntemi ile Zenginleştirilmesi

2. Ph.D Thesis.(Jan., 2001-İTÜ). Yüksel Palacı
Alüminanın Özelliklerine, Şekillendirme Yönteminin, Katkıların ve Sinterleme Sıcaklığının Etkisi
3. Ph.D Thesis.(Jan., 2003-Anadolu Un.) Semra Kurama (Kula)
 α -SiALON Faz Bölgesinin Tespiti ve Mikroyapısının Karakterizasyonu
4. Ph.D Thesis.(May., 2006-İTÜ)Turan Tambaş
Seydişehir Alüminasının Slip Döküm Parametrelerinin Belirlenmesi
5. Ph.D Thesis (February 2008-İTÜ) Burcu Ertuğ (Sup. Prof. Dr. Okan Addemir)Porozite Yapıcı Katkıların (Grafit,PMMA) BaTiO₃ esaslı Seramiklerin Nem Ortamında Elektriksel Davranışlarına Etkilerinin İncelenmesi
6. Ph.D Thesis (26.12 2008-YTÜ), Serkan Abalı ,
Al₂O₃-Al₂TiO₅ Tek Kristalinin Verneuil Metodu ile Üretimi (Sup. Prof. Dr. Ahmet Ekerim)
7. Ph.D Thesis, (October 2008-YTÜ), Tuna Arın, Şekil Bellekli NiTi Alaşımlarında Kimyasal Bileşim Isıl İşlem Koşullarının Optimizasyonu (Sup: Prof. Dr. Ahmet Ekerim)
8. Ph.D Thesis (July 2009- Anadolu Ün.), Ayşe Kalemtaş
Bazı Oksit Dışı Seramik-Alüminyum Karma Yapıların Basınçsız Emdirme Yöntemiyle Üretimi ve Karakterizasyonu, (Sup: Prof. Dr. Ferhat Kara)
9. Ph.D Thesis (July 2010- İTÜ), Hülya Kaftelen, TiC ve ZrC Takviyeli Al-Cu Alaşımlarının Üretimi, Mikroyapısal Karakterizasyonu ve Fiziksel Özelliklerinin İncelenmesi, (Sup: Prof. Dr. Lütfi Öveçoğlu)
10. Ph.D Thesis (May 2012-İTÜ), Nil Ünal, Development and Characterization Investigations of Ceramic Composites and Hard Magnets Fabricated by Powder Injection Molding, İTÜ, Dept. Of Adv. Tech. Materials Science and Eng. Programme, (Sup: Prof. Dr. Lütfi Öveçoğlu)
11. Ph.D. Thesis, (May 2014-İÜ) Yusuf Öztürk, Alüminyumca zengin anotlama çamurlarının geri dönüştürülmesi ve mineral katkılarıyla müllit esaslı seramik malzemelerin geliştirilmesi

Docentlik Jürilikleri

Aygül Yeprem
Veli Uz
Atilla Evcin
Bora Derin

Eskişehir (A.Ü.)- Nisan 2009
İzmir (9 Eylül Ün.)- 29 Haziran 2012
İzmir (9 Eylül Ün.)- 31 Ekim 2012
Yedek Üyelik

The Contribution to the Education and Research (Eđitim, Öğretim ve Arařtırmaya olan katkıları)

Undergraduate courses given in the Faculty

Introduction to Materials Science (MSE 272)
Materials Characterization (MSE 314)
Non Destructive Evaluation of Materials (MSE 418)
Ceramic Materials (MSE 321)
Ceramic Processing Techniques (MSE 322)
Phase Equilibria (MSE 208)
Differential Equations (Math 255)
Linear Algebra (Math 256)
Introduction to Computing (CSE 123)

Undergraduate courses given in other Universities

Introduction to Materials Science (Yeditepe University, Dumlupınar University)
Mechanical Metallurgy 1, 2 (Istanbul University)
Materials Science 1, Materials Science 2 (İstanbul University)
Introduction to Ceramic Engineering (Anadolu University)
Engineering Mathematics (Istanbul University)
Differential Equations (Yeditepe University)
Ceramic Phase Diagrams (Dumlupınar University)
Introduction to Metallurgy (İstanbul University)
Introduction to Ceramic Engineering (Anadolu University)
Metallurgy of Casting Alloys (A.Ü. Bilecik Meslek Yüksek Okulu)
Microstructural Characterization of Casting Alloys (A.Ü. Bilecik Meslek Yüksek Okulu)

Graduate courses given in the Faculty

Advanced Engineering Mathematics (MSE 555)
Advanced Characterization of Materials (MSE 507,707)
Solar Cells and Technology (MSE 541)

Introduction to Nuclear Concepts and Nuclear Materials

Graduate courses given in other Universities

Advanced Characterization of Materials (Anadolu University)

Advanced Ceramic Materials (Anadolu University, İstanbul University)

Nuclear Reactor's Fuel Elements (Istanbul University)

Bioceramic Materials (Istanbul University)

Electrical Properties of Ceramic Materials (Anadolu University)

Engineering Analysis 1 (Yeditepe University)

Graduate Thesis Directed and Completed

1. Seramik Sanayii Hızlı Pişirim Fırınlarında Kullanılan Rulo Malzemesi Müllitin Üretimi ve Bazı Mekanik Özelliklerinin Belirlenmesi, Serdar Yorulmaz , Y. Lisans Tezi, Anadolu Ü., Seramik Mühendisliği, 1998
2. Cam Elyaf Takviyeli Plastik Kompozitler, Altan Çetinkaya, Y. Lisans Tezi, Osmangazi Ü.Seramik Mühendisliği, 1997
3. Production of Alumina Titania Biocomposite combine with Hydroxyapatite (HA), Burcu Nilgün Çetiner, May-2014
4. Alumina-Zirkonya-Hidroksiapatit Kompozitleri, Karakterizasyonu ve Mekanik Özelliklerinin Araştırılması, Berrak Bulut, İTÜ-2013 , Eyüp Sabri Kayalı, Z.Engin Erkmen ortak MSE Thesis

VII. Contribution in the establishment of research laboratories

1993-1995 Anadolu University, Ceramic Laboratories, Preparation of the technical regulations for the laboratory equipments funded by DPT for 2 Eylül Campus.

2002-2003 Assigned member in the construction committee of Building C and D, proposed as the Technology Center. Contributed in the design of the building (planning of electrical connection systems, water sewage locations, characterization laboratories and casting lab. floor design etc)

2001-2003 Assigned Member in the preparation of technical regulations and purchasing the laboratory equipment for the Advanced Production and Management Technologies Center.

2002-2003 Coordinator for the management of Building D

VIII. Administrative Responsibilities

11.09.2001- 18.11.2003 Chief of the Production Metallurgy Unit in the Dept. of Metallurgy and Materials

2.11.2006-2012.1 Socrates/Erasmus Coordinator of the Dept. of Metallurgy and Materials

10.06.2011- Atom Enerjisi Komisyonu Üyesi

19.11.2012-. Chief of the Production Metallurgy Unit in the Department of Metallurgy and Materials

2009- 2012

2012-..2015 Member in the Engineering Faculty Commission

IX. Technical Journal Editing

- 2006- ... Chief Science Editor of the journal ‘Seramik Türkiye’ published by Türkiye Seramik Federasyonu
- 2006-... Referee of the Journal titled ‘SIGMA’ published by Yıldız Technical University

X. International/National Conference

- 6.03.2000.1 Referee in the 10th International Metallurgy and Materials Congress
- 29.06-3.07.2003 Coordinator/ Referee in the Bioceramic Section of the 8th International Conference of the European Ceramic Society organized in Istanbul
- 22-24.11.2012 Member in the Organising Committee in 8. National Ceramic Congress held in Afyon

XI. Technical Trips Organized

- 2000 Trip to Kroman A.Ş.
- 2000 Trip to Sarkuysan A.Ş. in Gebze
- 2002 Trip to Şişe Cam Factory in Paşabahçe-İstanbul
- 2004 Trip to Şişe Cam Plate glass and Auto Glass Factories in Lüleburgaz
- 2005 Trip to THY (Non Destructive Testing Labs.) in Yeşilköy
- 2007 Trip to Kaleporselen in Sefaköy
- 2009 Trip to Seranit Ceramic Tile Factories in Bilecik
- 2010 Trip to Yıldız Porselen in Beşiktaş
- 2011 Trip to Haznedar Refrakter San. A.Ş. in Lüleburgaz
- 2012 Trip to Karporselen in Çayırova, Gebze
- 2014 Trip to Pakateş in Arnavutköy
- 2014 Trip to Yıldızporselen in Beşiktaş

XII. Projects Directed, Consulted/Funded

- 2010-2013 Babco Proje yürütücülüğü FEN-A-080410--77
- 03.2008 Panelist in the evaluation for Tübitak 1001 projects
- 20.10.2006 M.Ü. Babco proje hakemliği
- 04.2004-07.2005 TTGV Consultant for an Industrial project received by Kale Porselen A.Ş., Sefaköy –İstanbul
- 08.08.2008-.. TTGV Consultant for an Industrial project received by Kale Porselen A.Ş., Sefaköy –İstanbul
- 2007 TEYDEP Referee for two projects proposed by Çanakkale Seramik A.Ş.
- 2010-2012 Project consultant of Serapool and Karporselen in Kurtköy and Gebze
- 2017 TEYDEP Project Consultant for Porland and Çanakkale Seramik
- 2000 The project titled as ‘The Kinetic Modelling of sintering D-Gun Sprayed Hydroxyapatite Coatings’ was funded by the Research Foundation of Istanbul University
- 1998 The article titled as ‘Performance of Molybdenum with UF₄ at High Temperatures as a wall Material for Space Reactors ‘was supported by Istanbul University Faculty of Science Research Foundation.
- 1996 The production of Hydroxyapatite based Glass Ceramics and its Applicability in Dentistry’ was funded by Anadolu University, Science Funding