

## Prof. Ahmet EKERİM

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### Education Information

Doctorate, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, Turkey 1977 - 1981  
Postgraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, Turkey 1972 - 1974  
Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, Turkey 1968 - 1972

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

- I. **Production of ferroboron by using redesigned ESR process called electroslag melting for alloying by reductions (ESMAR)**  
GÜNDÜZ İ. G., EKERİM A.  
MATERIALS RESEARCH EXPRESS, vol.6, no.4, 2019 (SCI-Expanded)
- II. **Effects of argon pressure and r.f. power on magnetron sputtered aluminum doped ZnO thin films**  
Duygulu N., Kodolbas A. O., Ekerim A.  
JOURNAL OF CRYSTAL GROWTH, vol.394, pp.116-125, 2014 (SCI-Expanded)
- III. **Effect of Section Thickness on the Microstructure and Hardness of Ductile Cast Iron**  
Guzel E., Yuksel C., BAYRAK Y., Sen O., Ekerim A.  
MATERIALS TESTING, vol.56, no.4, pp.285-288, 2014 (SCI-Expanded)
- IV. **Influence of r.f power on structural properties of ZnO thin films**  
Duygulu N., Kodolbas A. O., Ekerim A.  
JOURNAL OF CRYSTAL GROWTH, vol.381, pp.51-56, 2013 (SCI-Expanded)
- V. **Influence of r.f power on structural properties of ZnO thin films Original Research Article**  
EKERİM A.  
Journal of Crystal Growth, vol.381, no.10, pp.51-56, 2013 (SCI-Expanded)
- VI. **Mechanical Properties of the Directionally Solidified Ceramic Eutectic of Al<sub>2</sub>O<sub>3</sub>/Al<sub>16</sub>Ti<sub>5</sub>O<sub>34</sub> Phase Structure**  
ABALI S., Ekerim A.  
HIGH TEMPERATURE MATERIALS AND PROCESSES, vol.32, no.3, pp.309-315, 2013 (SCI-Expanded)
- VII. **Effects of Implant Angulation, Impression Material, and Variation in Arch Curvature Width on Implant Transfer Model Accuracy**  
Akalin Z. F., Ozkan Y. K., Ekerim A.  
INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS, vol.28, no.1, pp.149-157, 2013 (SCI-Expanded)
- VIII. **"Investigation of Exhaust Valve Failure in Heavy-duty Diesel Engine"**  
EKERİM A.  
Gazi University Journal of Science GU.J.Sci, vol.23, no.4, pp.493-499, 2010 (SCI-Expanded)

- IX. A study on the structural behavior of reduced pyrite ash pellets by XRD and XRF analysis  
TUĞRUL N., Derun E, PİŞKİN M. B., Ekerim A.  
WASTE MANAGEMENT & RESEARCH, vol.27, no.3, pp.281-287, 2009 (SCI-Expanded)
- X. Failure analysis of gas turbine blades in a thermal power plant  
Vardar N., Ekerim A.  
ENGINEERING FAILURE ANALYSIS, vol.14, no.4, pp.743-749, 2007 (SCI-Expanded)
- XI. Thermal behaviour and microstructure studies of red mud containing marl  
EKERİM A.  
PRAKTISCHE METALLOGRAPHIE-PRACTICAL METALLOGRAPHY, vol.41, no.2, pp.90-101, 2004 (SCI-Expanded)

### **Articles Published in Other Journals**

- I. Ekerim, A., Şahin Ö., (2015). " Talaşlı Şekillendirmenin Deneysel Tasarımı " , Metal Dünyası Dergisi, 261, 66-72.  
ŞAHİN Ö., EKERİM A.  
Metal Dünyası Dergisi, no.261, pp.66-72, 2015 (Peer-Reviewed Journal)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. Magnesium Metal Production with Magneterm Process by Using Aluminum Powder  
BAYRAK Y., EROL M., BASIT S., EKERİM A.  
IMMC'2018 19.ULUSLARARASI METALURJİ VE MALZEME KONGRESİ, İstanbul, Turkey, 25 October 2018, pp.183-186
- II. Insight into the Capacitive Properties of Azido Groups on Reduced Graphene Oxide  
ŞAHİNTÜRK U., EKERİM A., KESKİN B., YILMAZ İ.  
International Conference On Energy Systems Istanbul 2016- ICES2016, İstanbul, Turkey, 21 - 23 December 2016
- III. Enchanged capacitance of Electrochemically Reduced Azido Graphene Oxide Nickel Foam Electrode  
ŞAHİNTÜRK U., EKERİM A., KESKİN B., YILMAZ İ.  
3rd Emerging 2D Materials & Graphene Conference from Laboratory to Industry 2016, İstanbul, Turkey, 20 - 21 October 2016, pp.61-62
- IV. CAPACITIVE BEHAVIOR OF AZIDE FUNCTIONALIZED GRAPHENE OXIDE AS ELECTRODE MATERIALS  
ŞAHİNTÜRK U., Ekerim A.  
18th International Metallurgy & Materials Congress, 01 September 2016, pp.391
- V. Capacitive behaviour of reduced azido graphene oxide electrodes decorated with metallophthalocyanine  
ŞAHİNTÜRK U., KESKİN B., EKERİM A.  
2nd International Conference on Organic Electronic Material Technologies (OEMT2016), Çanakkale, Turkey, 17 - 19 May 2016
- VI. Modification of Glassy carbon electrode with electrochemically reduced graphene oxide supported Cobaltpthalocyanine for enhancing its capacitance  
KESKİN B., Şahintürk U., Ekerim A.  
2 nd International Conference on Organic Electronic Material Technologies (OEMT2016), Çanakkale, Turkey, 17 - 19 May 2016
- VII. Effect of R F Power Variation On Gallium Doped Zinc Oxide Thin Films  
DUYGULU N., YILMAZ O., PEHLİVAN Ö., KODOLBAŞ A. O., EKERİM A.  
Science & Applications of Thin Films, Conference & Exhibition, 15 - 19 October 2014
- VIII. Influence of deposition parameters on ZnO and ZnO:Al thin films  
Duygulu N., KODOLBAŞ A. O., Ekerim A.  
Fall Meeting Symposium on Novel Materials for Electronic, Optoelectronic, Photovoltaic and Energy Saving

- Applications (E-MRS), Warszawa, Poland, 16 - 20 September 2013, vol.11, pp.1460-1463
- IX. Structural Optical and Electrical Properties of Zinc Oxide and Aluminum Doped Zinc Oxide for Photovoltaic Applications  
DUYGULU N., KODOLBAŞ A. O., DUYGULU O., EKERİM A.  
Solar TR2 2012, Antalya, Turkey, 7 - 09 November 2012
- X. KÜRESEL GRAFİTLİ DÖKME DEMİRDE KESİT KALINLIĞININ MİKROYAPI VE SERTLİĞE ETKİSİNİN İNCELENMESİ  
GÜZEL E., ŞEN Ö., EKERİM A.  
IFES-2011 YILDIZ TEKNİK ÜNİVERSİTESİ, 01 November 2011
- XI. INVESTIGATION OF 5 MOL% YSZ ELECTROLYTE FOR SOFC  
Duygulu N., EKERİM A.  
TMS 140th Annual Meeting and Exhibition, California, United States Of America, 27 February - 03 March 2011, pp.457-464
- XII. Toplam Verimli Bakımın Ekonomik Analizi  
EKERİM A., DUYGULU N.  
15.Uluslararası Metalurji ve Malzeme Kongresi, İstanbul, Turkey, 11 - 13 November 2010
- XIII. APPLICATION OF ECAP ON COMMERCIAL PURITY ALUMINUM  
Evcimen N., BAYRAK Y., EKERİM A.  
TMS 2010 Annual Meeting Supplemental Proceedings on Materials Processing and Properties, Washington, United States Of America, 14 - 18 February 2010, pp.83-88
- XIV. Alüminyumun Plastik Deformasyonla Tane Küçülmesi Ve Tarama Elektron Mikroskopu İncelemesi  
DUYGULU N., EKERİM A.  
19. Ulusal Elektron Mikroskopi Kongresi, Trabzon, Turkey, 22 - 25 June 2009
- XV. Reduction of Pyrite Ashes Pellets for Iron Production  
Tuğrul N., Derun E., Pişkin M. B., Ekerim A.  
XVIII. Ulusal Elektron Mikroskopi Kongresi, Eskişehir, Turkey, 26 - 29 August 2007, pp.68

## Supported Projects

Bölükbaş U., Çelebi U. B., Kavanoz H. B., Altıok N., Ekerim A., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Girişimcilik Ekosistemindeki Aktörlerin Yaratıcı İşbirliğinin Geliştirilmesi ve Atölye Alt Yapısıyla Güçlendirilmesi, 2017 - 2018

EKERİM A., KESKİN B., Project Supported by Higher Education Institutions, Süperkapasitör Elektrot Malzemesi için Farklı Morfolojilerde Grafen Bazlı Yeni Metaloksit Nanokompozitlerin Üretilimi, 2014 - 2018

EKERİM A., ÖZDEMİR O. K., ŞAHİNTÜRK U., Project Supported by Higher Education Institutions, PEM Tipi Yakıt Hücreleri İçin Grafen Destekli Pt Katalizörlerinin Hazırlanması, 2013 - 2018

DUYGULU N., EKERİM A., KARAASLAN A., TUBITAK Project, Sıçratma Yöntemiyle Üretilen, Pürüzlendirilmiş Çinko Oksit Cam Kaplamalara Katkı Elementlerinin Etkisinin İncelenmesi ve Fotovoltaik Uygulamalarının Geliştirilmesi, 2017 - 2017

EKERİM A., Project Supported by Higher Education Institutions, Grafen Sentezi ve Elektrot Malzemesi Olarak Geliştirilmesi, 2014 - 2017

EKERİM A., ÖZDEMİR O. K., TUBITAK Project, Elektirkil İle Biriktirme Yöntemiyle Pem Tipi Yakıt Hücreleri İçin Etkin İkili Pt-M (M=Ni, Mn) Ve Üçlü Pt-Ni-Mn Elektrokatalizörlerinin Hazırlanması, 2012 - 2014

EKERİM A., Project Supported by Higher Education Institutions, Zinc oxide based transparent conductive oxide thin films deposited by r.f.magnetron sputtering for photovoltaic applications, 2012 - 2013

GÜZEL E., EKERİM A., ŞEN Ö., ÇOLAK ÇAKIR Ö. Ü., Industrial Thesis Project, Rüzgar Türbini Pervane Göbeği Tasarımı, Üretilimi ve Yapısal Özelliklerinin Belirlenmesi, 2009 - 2012

EKERİM A., Project Supported by Higher Education Institutions, Aluminyum-Titan Alaşımlarının Katılışma Mekanizmasının Koruyucu Ortamda Ark Yöntemiyle Araştırılması, 2001 - 2004

## **Metrics**

Publication: 27

Citation (WoS): 133

Citation (Scopus): 159

H-Index (WoS): 6

H-Index (Scopus): 5

## **Non Academic Experience**

Yildiz TTO