

## Assoc. Prof. HÜSEYİN KÜRŞAD SEZER

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: C-1335-2016

ScopusID: 12790915900

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### Education Information

Doctorate, The University of Manchester, Mechanical Engineering, United Kingdom 2003 - 2007

Undergraduate, Erciyes University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1996 - 2001

### Academic Titles / Tasks

Research Assistant, The University of Manchester, Engineering And Physical Sciences, Mechanical Engineering, 2007 - 2013

### Academic and Administrative Experience

Gazi University, Teknoloji Fakültesi, Endüstriyel Tasarım Mühendisliği Bölümü, 2014 - Continues

### Courses

İLERİ İMALAT TEKNOLOJİLERİ, Undergraduate, 2017 - 2018

TERSİNE MÜHENDİSLİK TASARIMI, Undergraduate, 2017 - 2018, 2016 - 2017

TEKNİK İNGİLİZCE-I, Undergraduate, 2017 - 2018, 2016 - 2017

BİLGİSAYAR DESTEKLİ MÜHENDİSLİK, Undergraduate, 2017 - 2018, 2016 - 2017

MÜHENDİSLİK MEKANİĞİ-I, Undergraduate, 2017 - 2018

İŞYERİ EĞİTİMİ, Undergraduate, 2017 - 2018

HIZLI PROTOTİPLEME VE TERSİNE MÜHENDİSLİK, Postgraduate, 2017 - 2018, 2016 - 2017

MESLEKİ YABANCI DİL-I, Undergraduate, 2016 - 2017

TEKNİK İNGİLİZCE-II, Undergraduate, 2016 - 2017

### Advising Theses

Sezer H. K., BUSHING DESIGN AND ANALYZES FOR THE REPAIR OF THE DAMAGED HOLES ON THE METAL PARTS, Postgraduate, M.SİNCER(Student), 2022

Sezer H. K., DESIGN AND 3D PRINTING OF MICRO CHANNELS FOR LAB-ON-A-CHIP APPLICATIONS, Postgraduate,

M.BEGÜM(Student), 2022

SEZER H. K., The Design And Manufacturing Of Laser Assisted Lathe For Stent Manufacturing, Postgraduate, O.Tuna(Student), 2019

SEZER H. K., Design Of Tissue Scaffold With Tunable Stiffness Using 3d Additive Manufacturing Technologies, Postgraduate, B.ÇOTUR(Student), 2019

SEZER H. K., Development Of Layered Manufacturing Technology Selection Assistant With Multi-Size Decision Making Techniques For Automotive Industry, Postgraduate, İ.HASİPEK(Student), 2019

SEZER H. K., Stent imalatına yönelik lazer torna tezgahı tasarımı ve üretimi, Postgraduate, O.TUNA(Student), 2019

SEZER H. K., Composite Part Design With Fdm 3d Printer And Investigation Of Mechanical Properties, Postgraduate, O.EREN(Student), 2017

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

- I. **Investigation on selective laser-melted AlSi10Mg micro-struts: influence of processing parameters on dimensional accuracy, molten pool morphology and microhardness**  
Eren O., Sezer H. K., Yüksel N., Bakhtari A. R., Canyurt O. E.  
RAPID PROTOTYPING JOURNAL, vol.30, no.8, pp.1556-1578, 2024 (SCI-Expanded)
- II. **A Review on Laser Beam Shaping Application in Laser-Powder Bed Fusion**  
Bakhtari A. R., SEZER H. K., CANYURT O. E., EREN O., Shah M., Marimuthu S.  
Advanced Engineering Materials, vol.26, no.14, 2024 (SCI-Expanded)
- III. **Deep learning-enabled design for tailored mechanical properties of SLM-manufactured metallic lattice structures**  
EREN O., YÜKSEL N., BÖRKLÜ H. R., SEZER H. K., CANYURT O. E.  
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.130, 2024 (SCI-Expanded)
- IV. **Synthesis of Aluminium Nitride-Based Coatings on Mild Steel Substrates Utilising an Integrated Laser/Sol-Gel Method**  
EREN O., Kamara A. M., SEZER H. K., Marimuthu S.  
Photonics, vol.11, no.4, 2024 (SCI-Expanded)
- V. **Mechanical properties of additively manufactured lattice structures designed by deep learning**  
YÜKSEL N., EREN O., BÖRKLÜ H. R., SEZER H. K.  
THIN-WALLED STRUCTURES, vol.196, 2024 (SCI-Expanded)
- VI. **A systematic review of Inconel 939 alloy parts development via additive manufacturing process**  
Raza S. A., CANYURT O. E., SEZER H. K.  
Heliyon, vol.10, no.3, 2024 (SCI-Expanded)
- VII. **Review of artificial intelligence applications in engineering design perspective**  
YÜKSEL N., BÖRKLÜ H. R., SEZER H. K., CANYURT O. E.  
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, 2023 (SCI-Expanded)
- VIII. **Effect of lattice design on mechanical response of PolyJet additively manufactured cellular structures**  
EREN O., SEZER H. K., YALÇIN N.  
JOURNAL OF MANUFACTURING PROCESSES, vol.75, pp.1175-1188, 2022 (SCI-Expanded)
- IX. **The design process of the complex Special Utility Vehicle using the methodical design approach**  
Cavdar F. Y., BÖRKLÜ H. R., ÇAVDAR K., SEZER H. K.  
JOURNAL OF ADVANCED MECHANICAL DESIGN SYSTEMS AND MANUFACTURING, vol.13, no.4, 2019 (SCI-Expanded)
- X. **FDM 3D printing of MWCNT re-inforced ABS nano-composite parts with enhanced mechanical and electrical properties**  
SEZER H. K., EREN O.  
JOURNAL OF MANUFACTURING PROCESSES, vol.37, pp.339-347, 2019 (SCI-Expanded)
- XI. **Additive manufacturing of carbon fiber reinforced plastic composites by fused deposition modelling:**

**effect of fiber content and process parameters on mechanical properties**

SEZER H. K., EREN O., BÖRKLÜ H. R., ÖZDEMİR V.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, no.2, pp.664-674, 2019 (SCI-Expanded)

- XII. **Performance of coated and uncoated carbide/cermet cutting tools during turning**  
ULAŞ H. B., BİLGİN M., SEZER H. K., ÖZKAN M. T.  
MATERIALS TESTING, vol.60, no.9, pp.893-901, 2018 (SCI-Expanded)
- XIII. **Continuous Wave Fibre Laser Drilling of High Aspect Ratio Holes in Ni-based Alloys**  
SEZER H. K.  
LASERS IN ENGINEERING, vol.39, pp.281-291, 2018 (SCI-Expanded)
- XIV. **A practical application for machine design education**  
BÖRKLÜ H. R., Yuksel N., ÇAVDAR K., SEZER H. K.  
JOURNAL OF ADVANCED MECHANICAL DESIGN SYSTEMS AND MANUFACTURING, vol.12, no.2, 2018 (SCI-Expanded)
- XV. **Numerical investigation on laser stripping of thermal barrier coating**  
Marimuthu S., Kamara A. M., SEZER H. K., Li L., Ng G. K. L.  
COMPUTATIONAL MATERIALS SCIENCE, vol.88, pp.131-138, 2014 (SCI-Expanded)
- XVI. **Understanding the process parameter interactions in multiple-pass ultra-narrow-gap laser welding of thick-section stainless steels**  
Elmesalamy A. S., Li L., Francis J. A., SEZER H. K.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.68, pp.1-17, 2013 (SCI-Expanded)
- XVII. **Nano-second pulsed DPSS Nd:YAG laser striation-free cutting of alumina sheets**  
Yan Y., Li L., SEZER H. K., Whitehead D., Ji L., Bao Y., Jiang Y.  
INTERNATIONAL JOURNAL OF MACHINE TOOLS & MANUFACTURE, vol.53, no.1, pp.15-26, 2012 (SCI-Expanded)
- XVIII. **Experimental and theoretical investigation of fibre laser crack-free cutting of thick-section alumina**  
Yan Y., Li L., SEZER H. K., Whitehead D., Ji L., Bao Y., Jiang Y.  
INTERNATIONAL JOURNAL OF MACHINE TOOLS & MANUFACTURE, vol.51, no.12, pp.859-870, 2011 (SCI-Expanded)
- XIX. **CO<sub>2</sub> laser underwater machining of deep cavities in alumina**  
Yan Y., Li L., SEZER H. K., Wang W., Whitehead D., Ji L., Bao Y., Jiang Y.  
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.31, no.15, pp.2793-2807, 2011 (SCI-Expanded)
- XX. **The effect of moisture content in fibre laser cutting of pine wood**  
Hernandez-Castaneda J. C., SEZER H. K., Li L.  
OPTICS AND LASERS IN ENGINEERING, vol.49, pp.1139-1152, 2011 (SCI-Expanded)
- XXI. **Single and dual gas jet effect in Ytterbium-doped fibre laser cutting of dry pine wood**  
Hernandez-Castaneda J. C., SEZER H. K., Li L.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.56, pp.539-552, 2011 (SCI-Expanded)
- XXII. **Fabrication of superhydrophobic Cu surfaces with tunable regular micro and random nano-scale structures by hybrid laser texture and chemical etching**  
Dong C., Gu Y., Zhong M., Li L., SEZER H. K., Ma M., Liu W.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.211, no.7, pp.1234-1240, 2011 (SCI-Expanded)
- XXIII. **Dual gas jet-assisted fibre laser blind cutting of dry pine wood by statistical modelling**  
Hernandez-Castaneda J. C., SEZER H. K., Li L.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.50, pp.195-206, 2010 (SCI-Expanded)
- XXIV. **Nano-second pulsed DPSS Nd:YAG laser cutting of CFRP composites with mixed reactive and inert gases**  
Negarestani R., Li L., SEZER H. K., Whitehead D., Methven J.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.49, pp.553-566, 2010 (SCI-Expanded)

- XXV. **Recast and oxide formation in laser-drilled acute holes in CMSX-4 nickel single-crystal superalloy**  
Leigh S., SEZER H. K., Li L., Grafton-Reed C., Cuttell M.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING  
MANUFACTURE, vol.224, pp.1005-1016, 2010 (SCI-Expanded)
- XXVI. **Twin gas jet-assisted laser drilling through thermal barrier-coated nickel alloy substrates**  
SEZER H. K., Li L., Leigh S.  
INTERNATIONAL JOURNAL OF MACHINE TOOLS & MANUFACTURE, vol.49, no.14, pp.1126-1135, 2009 (SCI-Expanded)
- XXVII. **Mechanisms of Acute Angle Laser Drilling Induced Thermal Barrier Coating Delamination**  
SEZER H. K., Li L.  
JOURNAL OF MANUFACTURING SCIENCE AND ENGINEERING-TRANSACTIONS OF THE ASME, vol.131, no.5, 2009 (SCI-Expanded)
- XXVIII. **Statistical analysis of recast formation in laser drilled acute blind holes in CMSX-4 nickel superalloy**  
Leigh S., SEZER H. K., Li L., Grafton-Reed C., Cuttell M.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.43, pp.1094-1105, 2009 (SCI-Expanded)
- XXIX. **Statistical analysis of ytterbium-doped fibre laser cutting of dry pine wood**  
Hernandez-Castaneda J. C., SEZER H. K., Li L.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING  
MANUFACTURE, vol.223, no.7, pp.775-789, 2009 (SCI-Expanded)
- XXX. **Non-destructive microwave evaluation of TBC delamination induced by acute angle laser drilling**  
SEZER H. K., Li L., Wu Z., Anderson B., Williams P.  
MEASUREMENT SCIENCE AND TECHNOLOGY, vol.18, no.1, pp.167-175, 2007 (SCI-Expanded)
- XXXI. **Effect of beam angle on HAZ, recast and oxide layer characteristics in laser drilling of TBC nickel superalloys**  
SEZER H. K., Li L., Schmidt M., Pinkerton A. J., Anderson B., Williams P.  
INTERNATIONAL JOURNAL OF MACHINE TOOLS & MANUFACTURE, vol.46, no.15, pp.1972-1982, 2006 (SCI-Expanded)
- XXXII. **An investigation into delamination mechanisms in inclined laser drilling of thermal barrier coated aerospace superalloys**  
SEZER H. K., Pinkerton A., Li L., Byrd P.  
JOURNAL OF LASER APPLICATIONS, vol.17, no.4, pp.225-234, 2005 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The Effect of 3D-Printed Custom Insoles on Plantar Pressure for Obese Individual**  
Özgün A. K., SEZER H. K., ALSANCAK S., ŞAHİN İ.  
Journal of Prosthetics and Orthotics, vol.36, no.4, 2024 (ESCI)
- II. **ADDITIVE MANUFACTURING OF MICROFLUIDIC LAB-ON-A-CHIP DEVICES**  
EREN O., ÇUHADAROĞLU M. B., SEZER H. K.  
International Journal of 3D Printing Technologies and Digital Industry, vol.5, no.3, pp.692-708, 2021 (Peer-Reviewed Journal)
- III. **Tersine Mühendislik Tasarımı: Endüstriyel Tasarım Mühendisliği Lisans Öğrencileri İçin Teknik Seçmeli Ders**  
EREN O., SEZER H. K., BÖRKLÜ H. R.  
International Journal of 3D Printing Technologies and Digital Industry, vol.2, no.3, pp.1-11, 2018 (Peer-Reviewed Journal)
- IV. **Implementing 3D Printed Structures as the Newest Textile Form**  
GÜRCÜM B. H., BÖRKLÜ H. R., SEZER H. K., EREN O.  
Journal of Fashion Technology Textile Engineering, vol.0, no.4, pp.1-7, 2018 (Peer-Reviewed Journal)

- V. **KUYUMCULUK SEKTÖRÜNDE 3B BASKI TASARIM ÖZGÜRLÜĞÜNDEN FAYDALANMAYA İLİŞKİN BİR PERSPEKTİF**  
Kiraz C., SEZER H. K., ŞAHİN İ.  
International Journal of 3D Printing Technologies and Digital Industry, vol.2, no.2, pp.46-58, 2018 (Peer-Reviewed Journal)
- VI. **Topolojik nesnelerin FDM yöntemiyle üretimi”, International Journal of 3D Printing Technologies and Digital Industry**  
Demir S., SEZER H. K., ÖZDEMİR V.  
International Journal of 3D Printing Technologies and Digital Industry, vol.2, pp.76-87, 2018 (Peer-Reviewed Journal)
- VII. **A Novel Conceptual Design of a Stairlift for Elderly and Disabled People**  
BÖRKLÜ H. R., Bozbuğa F., SEZER H. K., ÖZDEMİR V.  
Gazi University Journal of Science Part A: Engineering And Innovation, vol.5, no.1, pp.17-29, 2018 (Peer-Reviewed Journal)
- VIII. **Current 3 Dimensional Printing Technologies Used in Scaffold Design in Tissue Engineering**  
Çotur B., SEZER H. K.  
Düzce University Journal of Science Technology, vol.5, no.2, pp.548-564, 2017 (Peer-Reviewed Journal)
- IX. **Short Review on Laser Texturing and Cleaning Carbon Fibre Composites for Aerospace Applications**  
SEZER H. K.  
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGİSİ, vol.19, no.4, pp.623-631, 2016 (ESCI)
- X. **Hızlı Prototip Oluşturmada Karşılaşılan Problemler Ve Çözüm Önerileri**  
BÖRKLÜ H. R., Yıldırım A. K., SEZER H. K.  
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.4, no.4, pp.309-319, 2016 (Peer-Reviewed Journal)

## **Books & Book Chapters**

- I. **Perspective Chapter: Design Considerations for Additive Manufacturing**  
EREN O., SEZER H. K., CANYURT O. E.  
in: Product Design - A Manufacturing Perspective, YASA EVREN, POYRAZ ÖZGÜR, Editor, IntechOpen, pp.1-20, 2024

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

- I. **Numerical Modelling Of Heat Distribution In Powder Bed Fusion Process**  
EREN O., SEZER H. K., CANYURT O. E.  
6th International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry, Bükreş, Romania, 22 November 2022, pp.23
- II. **INVESTIGATION OF THE EFFECT OF SUBSURFACE CAITIVES ON LASER SHOCK PEENING PERFORMANCE IN AVIATION MATERIALS**  
Sezer H. K.  
IV. Ulusal Mühendislikte Bilimsel ve Mesleki Çalışmalar Kongresi , Ankara, Turkey, 25 - 26 December 2021, pp.145-150
- III. **Analytical Modelling of Heat Distribution in Powder Bed Fusion Process**  
EREN O., SEZER H. K.  
Innovative Approaches in Additive Manufacturing Congress (IA4AM), Ankara, Turkey, 16 July 2021, pp.17-24
- IV. **Additive Manufacturing Of Microfluidic Lab-On-A-Chip, Devices**  
EREN O., ÇUHADAROĞLU M. B., SEZER H. K.  
5th International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry, Antalya, Turkey, 03 June 2021, pp.14

- V. **Additive Manufacturing Of Microfluidic Lab-On-A-Chip Devices**  
Eren O., Çuhadarođlu M. B., Sezer H. K.  
5th International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry (3D-PYC2021), Antalya, Turkey, 3 - 05 June 2021, no.57, pp.14
- VI. **Tekstil Sektörüne Eklemeli İmalat Yaklaşımı: 3B Yazıcılar İle Deneysel Çalışma**  
AVCI G., EREN O., SEZER H. K.  
Uluslararası Bilim, Teknoloji Ve Sosyal Bilimlerde Güncel Gelişmeler Sempozyumu, Ankara, Turkey, 20 - 22 December 2019, vol.1, pp.411-419
- VII. **3 Boyutlu Yazıcıların Medikal Uygulamaları ve Ayak Bileđi Ortez Üretimi**  
TURGAY T., EREN O., SEZER H. K.  
Uluslararası Bilim, Teknoloji Ve Sosyal Bilimlerde Güncel Gelişmeler Sempozyumu, Ankara, Turkey, 20 - 22 December 2019, vol.1, pp.376-391
- VIII. **FDM Yazıcı ile Küresel Vana Prototip Çalışması**  
ARINCI B. B., EREN O., SEZER H. K.  
Uluslararası Bilim, Teknoloji Ve Sosyal Bilimlerde Güncel Gelişmeler Sempozyumu, Ankara, Turkey, 20 - 22 December 2019, vol.2, pp.263-272
- IX. **Lazer Eklentili Ergiyik Biriktirme (FDM) Yöntemiyle Kompozit Parça Üretimi**  
EREN O., SEZER H. K.  
Uluslararası Bilim, Teknoloji Ve Sosyal Bilimlerde Güncel Gelişmeler Sempozyumu, Ankara, Turkey, 20 - 22 December 2019, vol.1, pp.367-375
- X. **Üretken Tasarım ve Topoloji Optimizasyonu Yaklaşımlarıyla Ürün Tasarımı**  
EREN O., SEZER H. K.  
Uluslararası Bilim, Teknoloji Ve Sosyal Bilimlerde Güncel Gelişmeler Sempozyumu, Ankara, Turkey, 20 - 22 December 2019, vol.2, pp.251-262
- XI. **Additive Manufacturing of Sensors**  
EREN O., SEZER H. K.  
II International Turkish Word Engineering and Science Congress, Antalya, Turkey, 7 - 10 November 2019, vol.3, pp.746-757
- XII. **Generative Herringbone Gear Design for Additive Manufacturing**  
EREN O., SEZER H. K.  
II International Turkish Word Engineering and Science Congress, Antalya, Turkey, 7 - 10 November 2019, vol.3, pp.758-766
- XIII. **State of The Art in Laser Drilling of Aerospace Materials**  
SEZER H. K., EREN O.  
II International Turkish Word Engineering and Science Congress, Antalya, Turkey, 7 - 10 November 2019, vol.3, pp.767-773
- XIV. **Kompozitlerin Eklemeli İmalatı: Üretim Metodolojisi, Baskı Teknikleri ve Kullanılabilir Malzemeler**  
EREN O., SEZER H. K.  
3rd International Symposium on Industrial Design Engineering (ISIDE 2018), Antalya, Turkey, 22 - 25 November 2018, pp.650-658
- XV. **Kompozitlerin Eklemeli İmalatı: Uygulama Alanları**  
EREN O., SEZER H. K.  
3rd International Symposium on Industrial Design Engineering (ISIDE 2018), Antalya, Turkey, 22 - 24 November 2018, pp.642-649
- XVI. **TRIZ Yaklaşımı ile 3D Yazıcı Ekstruder Tasarımı**  
EREN O., BAŞAK H., SEZER H. K.  
3rd International Symposium on Industrial Design & Engineering-ISIDE-2018, Antalya, Turkey, 22 - 24 November 2018, pp.634-641
- XVII. **A Perspective On Exploiting The Design Freedom Of 3d Printers In Jewellery Industry**  
Kiraz C., SEZER H. K., ŞAHİN İ.  
3rd International Congress on 3D Printing Technologies and Digital Industry 2018, Antalya, Turkey, 19 - 21 April

2018

- XVIII. **State Of The Art In Applications Of 3d-Prototyping In Automotive Industry With Case Studies**  
Hasipek İ., SEZER H. K.  
3rd International Congress on 3D Printing Technologies and Digital Industry 2018, Antalya, Turkey, 19 - 21 April 2018
- XIX. **Multifonksiyonel Nanokompozitlerin 3B Baskısı: Elektrik İletkenliğine Etkisi**  
EREN O., SEZER H. K.  
3rd International Congress on 3D Printing Technologies and Digital Industry 2018, Antalya, Turkey, 19 - 21 April 2018, pp.236-238
- XX. **Tersine Mühendislik Tasarımı: Endüstriyel Tasarım Mühendisliği Lisans Öğrencileri İçin Teknik Seçmeli Ders**  
EREN O., SEZER H. K., BÖRKLÜ H. R.  
3rd International Congress on 3D Printing Technologies and Digital Industry 2018, Antalya, Turkey, 19 - 21 April 2018, pp.239-241
- XXI. **Topolojik Nesnelerin FDM Yöntemiyle Üretimi**  
DEMİR S., SEZER H. K., ÖZDEMİR V.  
3'rd International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry, Antalya, Turkey, 19 April 2018 - 21 April 2019
- XXII. **Design And Manufacture Of Customised Toys Utilising Low Cost Fdm 3d Printers**  
Yüceliş A. C., BÖRKLÜ H. R., SEZER H. K.  
3rd International Congress on 3D Printing Technologies and Digital Industry 2018, Antalya, Turkey, 19 - 21 April 2018
- XXIII. **Bio-Fabrication Via Laser-Induced Forward Transfer**  
SEZER H. K., Çotur B.  
1st International Turkish World Engineering and Science Congress, 7 - 10 December 2017
- XXIV. **High Speed Manufacture Of A Geotextile Through Nanosecond Pulsed Laser Transmisson Welding Process**  
SEZER H. K., Marimuthu S.  
1st International Turkish World Engineering and Science Congress, 7 - 10 December 2017
- XXV. **Implementing 3D Printed Structures As The Newest Textile Form**  
GÜRCÜM B. H., BÖRKLÜ H. R., SEZER H. K., EREN O.  
International Conference on Intelligent Textiles and Mass Customisation ITMC2017, GENT, Belgium, 16 - 18 October 2017
- XXVI. **Conceptual Design of A New Stair Lift For Eldery and Disabled People**  
BÖRKLÜ H. R., BOZBUĞA F., SEZER H. K.  
2nd Inter. Sym. on Industrial Design Engineering, Nevşehir, Turkey, 13 - 15 September 2017
- XXVII. **3D Printing of Graphene Composites**  
SEZER H. K., EREN O., BÖRKLÜ H. R.  
2nd International Symposium on Industrial Design Engineering (ISIDE 17), Nevşehir, Turkey, 13 - 15 September 2017, pp.14-19
- XXVIII. **Conceptual Design of a Novel Stair Lift for Elderly and Disabled People**  
BÖRKLÜ H. R., Bozbuğa F., SEZER H. K.  
2nd International Symposium on Industrial Design Engineering (ISIDE 17), 13 - 15 September 2017
- XXIX. **The Design of a Low-Cost Set-Up for Manufacturing The Stent**  
Gökgöz O. T., SEZER H. K.  
2nd International Symposium on Industrial Design Engineering (ISIDE 17), 13 - 15 September 2017
- XXX. **Enhanced Mechanical and Electrical Properties of 3D Printed MWCNT Re-inforced ABS Nano-Composite Parts**  
SEZER H. K., EREN O.  
39th International MATADOR Conference on Advanced Manufacturing, Manchester, England, 5 - 07 July 2017
- XXXI. **Additive Manufacturing Of Carbon Fiber Reinforced Plastic Composites By Fused Deposition**

**Modelling: Effect Of Process Parameters On Tensile Properties**

SEZER H. K., EREN O., BÖRKLÜ H. R.

2nd International Symposium on 3D Printing Technologies (3D-PTS2017), 3 - 04 April 2017

- XXXII. **Current 3D Dimensional Printing Technologies Used İn Scaffold Design İn Tissue Engineering**  
Çotur B., SEZER H. K.  
2nd International Symposium on 3D Printing Technologies (3D-PTS2017), 3 - 04 April 2017
- XXXIII. **Ergiyik Biriktirme Yöntemi İle Karbon Fiber Takviyeli Kompozitlerin Eklemeli İmalatı: İşlem Parametrelerinin Çekme Özelliklerine Etkisi**  
SEZER H. K., EREN O., BÖRKLÜ H. R.  
2nd International Symposium on 3D Printing Technologies (3D-PTS2017), İstanbul, Turkey, 3 - 04 April 2017, pp.424-433
- XXXIV. **Karbon Fiber Takviyeli ABS Filament Üretimi ve Mekanik Özelliklerinin Araştırılması**  
SEZER H. K., EREN O., BÖRKLÜ H. R.  
International Symposium On 3D Printing Technologies, İstanbul, Turkey, 5 - 08 May 2016, pp.138-148
- XXXV. **Karbon Fiber Takviyeli Abs Filament Üretimi Ve Mekanik Özelliklerinin Araştırılması**  
SEZER H. K., Eren O., BÖRKLÜ H. R.  
International Symposium on 3D Printing Technologies (3DPTS2016), İstanbul, Turkey, 5 - 07 May 2016, pp.138-148
- XXXVI. **Hızlı Prototip Oluşturmada Karşılaşılan Problemler Ve Çözüm Önerileri**  
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## **Metrics**

Publication: 90

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## **Non Academic Experience**

Powerlase Photonics Ltd