

## Prof. NECDET GEREN

### Personal Information

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### International Researcher IDs

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ScopusID: 56037662900

Yoksis Researcher ID: 3809

### Education Information

Doctorate, University of Salford, Faculty Of Engineering , Aero. And Mech Eng., United Kingdom 1989 - 1993

Postgraduate, Cukurova University, Mühendislik Mimarlık Fakültesi, Makine Mühendisliği , Turkey 1984 - 1987

Undergraduate, Cukurova University, Mühendislik Mimarlık Fakültesi, Makine Mühendisliği , Turkey 1980 - 1984

### Dissertations

Doctorate, Design and development of the hardware for an automated PCBA inspection and rework cell, University of Salford, Faculty of Engineering, Department of Aeronautical and Mechanical Engineering, 1993

Postgraduate, Karşıt döner silindirli yer fistiği temizleme ve sınıflandırma makinesi tasarımı, Cukurova University, Fen Bilimleri Enstitüsü, Makina Mühendisliği, 1987

### Research Areas

Mechanical Engineering, Construction and Manufacturing, Machine Elements, Machine Design, Non-traditional manufacturing methods, Material, Engineering and Technology

### Academic and Administrative Experience

Rektörlük Stratejik Plan Komisyonu Üyesi, Cukurova University, Mühendislik Fakültesi, 2017 - 2018

Director of the Center, THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY, Üniversite-Sanayi Ortak Araştırma Merkezleri (ÜSAM) programı, TÜBİTAK-Adana-ÜSAM, 2005 - 2006

Assistant Coordinator, Science Engineering Research Council of Turkey, TÜBİTAK-Adana Üniversite-Sanayi Ortak Araştırma Merkezi, Merkez Danışmanı, 2003 - 2005

Yükseköğretim Kurulu Üyesi, Cukurova University, Adana Meslek Yüksek Okulu, 1999 - 2004

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Cukurova University, Rektörlük, Endüstriyel ve Tıbbi Elektronik Enstrümantasyon Araştırma ve Uygulama Merkezi, 1994 - 1998

## Courses

DESIGN PROJECT STUDIES II, Postgraduate, 2019 - 2020, 2014 - 2015  
DESIGN PROJECT STUDIES I, Postgraduate, 2019 - 2020, 1994 - 1995  
SPECIAL AREA COURSE, Postgraduate, 2016 - 2017  
Flexible Manufacturing Cells and Design Methodologies, Postgraduate, 2016 - 2017  
SPECIAL AREA COURSE, Doctorate, 2016 - 2017  
SPECIAL AREA COURSE, Doctorate, 2016 - 2017  
ENGINEERING PROJECT I, Undergraduate, 2016 - 2017  
ENGINEERING PROJECT II, Undergraduate, 2016 - 2017  
SPECIAL AREA COURSE, Postgraduate, 2016 - 2017  
Advanced Material Selection, Postgraduate, 2016 - 2017  
MANUFACTURING ASSEMBLY AND INDUSTRIAL ROBOTS, Doctorate, 2014 - 2015  
Pneumatic Systems for Automation, Undergraduate, 2014 - 2015  
Machine Elements I, Undergraduate, 2014 - 2015  
Industrial Robots and Manufacturing Automation, Undergraduate, 2014 - 2015  
Machine Elements II, Undergraduate, 2014 - 2015

## Advising Theses

Geren N., The development of self-healing functions of composite structures via microvascular channels, Postgraduate, E.KOŞTUR(Student), 2024  
Geren N., The effect of additives on flexural and flame retardant properties of carbon fiber/epoxy sandwich structures, Postgraduate, E.ONUR(Student), 2023  
Geren N., Parametric modelling and validation for ball joint in Matlab partial differential equation module, Postgraduate, M.ÖZAGİL(Student), 2023  
Geren N., Analytical modeling and experimental validation of the flexural behavior of composite face-layered sandwich beams using novel engineering approaches, Doctorate, A.ÇETİN(Student), 2023  
Geren N., Development of a new sheet metal forming technique using low melting alloy 3D printers, Doctorate, H.DELİBAŞ(Student), 2022  
Geren N., DEVELOPING AND TESTING OF POLYMER FOAM CORE SANDWICH STRUCTURES WITH HYBRID CARBON FIBER/WIRE MESH SHEET FACINGS, Doctorate, Ç.UZAY(Student), 2020  
Geren N., Ratings of various gear design approaches and a translation technique for spiral bevel gear design, Postgraduate, M.ONUR(Student), 2020  
Geren N., A comparison of approaches to involute helical gear design, Postgraduate, Z.DİCLE(Student), 2019  
Geren N., A comparison of approaches to involute bevel gear design, Postgraduate, G.TURĞUT(Student), 2019  
Geren N., The effect of additives on the low velocity impact properties of low density fiber sandwich panels, Postgraduate, D.CAN(Student), 2019  
Geren N., Investigating the success of a new systematic product design approach on example designs, Postgraduate, M.MERT(Student), 2016  
Geren N., Parametric design of automotive ball joint using computer assisted 3d modeling, Postgraduate, O.OKTAY(Student), 2015  
Geren N., A comparison of approaches to involute spur gear design, Postgraduate, Ç.UZAY(Student), 2014  
Geren N., Systematic design of carton separating machine, Postgraduate, H.Delibas(Student), 2012  
Geren N., Redesign of high pressure pipes and connections for water-jet cutting system, Postgraduate, T.KANTARCI(Student), 2010  
Geren N., Optimization of process parameters of drilling using the Taguchi method, Postgraduate, E.KABAKLI(Student), 2009  
Geren N., The design of the water-jet cutting machine, intensifier unit, Postgraduate, A.KUNİ(Student), 2008  
Geren N., Design of a fully automated flexible PCBA rework system using systematic design techniques, Postgraduate, Ç.SARIGÜL(Student), 2008  
Geren N., Alternative proposals for automating rework of advanced surface mount components, Postgraduate,

M.ÇAKIRCA(Student), 2004

Gerem N., Modeling of water jet intensifier and materials selection for optimum wall thicknesses, Postgraduate,

M.İLTERİŞ(Student), 2004

Gerem N., Redesign of high pressure water-jet cutting system, Postgraduate, M.TUTAL(Student), 2002

Gerem N., Development of expert system for shaft design, Postgraduate, J.HADZİGRAHİC(Student), 2001

Gerem N., Multi-layer intensifier design and analysis of design parameters, Postgraduate, T.TUNÇ(Student), 2000

Gerem N., Expert system development for gearbox design, Postgraduate, M.MURAT(Student), 2000

Gerem N., Design and manufacturing of a double-acting high pressure intensifier, Postgraduate, S.KIRBAŞ(Student), 1999

Gerem N., Kanada kavağının liflerine paralel olarak uygun bir kesici takım ve kesme metodu geliştirilerek talaşsız

kesilmesi, Postgraduate, E.EKLER(Student), 1998

Gerem N., Scara tipi robot kolunun hareketlerinin bilgisayar destekli programlarla kontrolü, Postgraduate,

M.ERTÜRK(Student), 1997

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

- I. **Predicting the tensile stiffness and strength properties of plain woven carbon fiber/epoxy laminates: a practical analytical approach and experimental validations**  
Uzay Ç., Çetin A., Gerem N., Bayramoğlu M., Tütüncü N.  
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.31, no. 12, pp.2619-2634, 2024 (SCI-Expanded)
- II. **Predicting the indentation load of FRP facesheet / foam core sandwiches**  
Çetin A., Uzay Ç., Tütüncü N., Gerem N.  
Structures, vol.62, 2024 (SCI-Expanded)
- III. **A practical approach to predict the flexural properties of woven plain carbon fiber/epoxy laminates**  
Çetin A., Uzay Ç., Gerem N., Bayramoğlu M., Tütüncü N.  
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.30, no.9, pp.1801-1811, 2023 (SCI-Expanded)
- IV. **Physical and mechanical properties of laminar composites depending on the production methods: an experimental investigation**  
Uzay Ç., Çetin A., Gerem N.  
SADHANA - ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.47, no.4, pp.1-14, 2022 (SCI-Expanded)
- V. **Automated sizing of automotive steering ball joints in parametric CAD environment using expert knowledge and feature-based computer-assisted 3D modelling**  
Gerem N., Akcalı O. O., Ünver E., Allport J.  
ADVANCED ENGINEERING INFORMATICS, vol.52, 2022 (SCI-Expanded)
- VI. **A method for the optimal design of low-density polymer foam core sandwiches using FEA and multiobjective optimization of design variables**  
Uzay Ç., Acer D. C., Gerem N.  
JOURNAL OF POLYMER ENGINEERING, vol.42, no.1, pp.75-84, 2022 (SCI-Expanded)
- VII. **Effect of substrate surface roughness on the wear of molybdenum disulphate coated rolling contact bearings**  
Gokce B., GEREM N., İZCİLER M.  
MATERIALS TESTING, vol.63, no.9, pp.848-854, 2021 (SCI-Expanded)
- VIII. **A proposal to improve the competence of students within the unnecessarily complex mechanical engineering design environment**  
GEREM N., UZAY Ç., BAYRAMOĞLU M.  
INTERNATIONAL JOURNAL OF TECHNOLOGY AND DESIGN EDUCATION, vol.31, no.4, pp.741-770, 2021 (SCI-Expanded)
- IX. **The effect of boron carbide additive on the low-velocity impact properties of low-density foam core composite sandwich structures**  
GEREM N., ACER D. C., Uzay Ç., BAYRAMOĞLU M.  
POLYMER COMPOSITES, vol.42, no.4, pp.2037-2049, 2021 (SCI-Expanded)

- X. **Effect of stainless-steel wire mesh embedded into fibre-reinforced polymer facings on flexural characteristics of sandwich structures**  
UZAY Ç., GEREN N.  
Journal of Reinforced Plastics and Composites, vol.39, pp.613-633, 2020 (SCI-Expanded)
- XI. **Characterization of boronized AISI 1050 steel and optimization of process parameters**  
BOZTEPE M. H., BAYRAMOĞLU M., UZAY Ç., Dagsuyu C., KOKANGÜL A., GEREN N.  
MATERIALS TESTING, vol.61, no.6, pp.549-553, 2019 (SCI-Expanded)
- XII. **Bending behavior of sandwich structures with different fiber facing types and extremely low-density foam cores**  
Uzay Ç., Geren N., Bortepe M. H., Bayramoğlu M.  
MATERIALS TESTING, vol.61, pp.220-230, 2019 (SCI-Expanded)
- XIII. **Mechanical engineering and issues on teaching mechanical engineering design in Turkey**  
GEREN N., UZAY Ç., BAYRAMOĞLU M.  
INTERNATIONAL JOURNAL OF TECHNOLOGY AND DESIGN EDUCATION, vol.28, no.3, pp.843-866, 2018 (SCI-Expanded)
- XIV. **Parametric design of automotive ball joint based on variable design methodology using knowledge and feature-based computer assisted 3D modelling**  
GEREN N., AKCALI O. O., BAYRAMOĞLU M.  
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.66, pp.87-103, 2017 (SCI-Expanded)
- XV. **Introducing gear ratings and AGMA conversion factors for the steel spur gear design under bending fatigue**  
GEREN N., UZAY Ç., BAYRAMOĞLU M.  
MATERIALS TESTING, vol.59, pp.1043-1053, 2017 (SCI-Expanded)
- XVI. **Effect of post-curing heat treatment on mechanical properties of fiber reinforced polymer (FRP) composites**  
Uzay Ç., Boztepe M. H., Bayramoğlu M., Geren N.  
MATERIALS TESTING, vol.59, pp.366-372, 2017 (SCI-Expanded)
- XVII. **EVALUATION OF THE SURFACE ROUGHNESS AND GEOMETRIC ACCURACIES IN A DRILLING PROCESS USING THE TAGUCHI ANALYSIS**  
Kabakli E., BAYRAMOĞLU M., GEREN N.  
MATERIALI IN TEHNOLOGIJE, vol.48, no.1, pp.91-98, 2014 (SCI-Expanded)
- XVIII. **Systematic mechanical design approach for a flexible printed circuit board assemblies (PCBA) rework cell: part II - conceptual design of soldering and desoldering system**  
GEREN N., SARIGUL C., BAYRAMOĞLU M.  
SOLDERING & SURFACE MOUNT TECHNOLOGY, vol.24, no.3, pp.151-166, 2012 (SCI-Expanded)
- XIX. **Systematic mechanical design approach for a flexible printed circuit board assemblies (PCBA) rework cell: part I - generic mechanical design procedure**  
GEREN N., SARIGUL C., BAYRAMOĞLU M.  
SOLDERING & SURFACE MOUNT TECHNOLOGY, vol.23, no.4, pp.244-256, 2011 (SCI-Expanded)
- XX. **MATHEMATICAL MODELING FOR PREDICTION AND OPTIMIZATION OF TIG WELDING POOL GEOMETRY**  
Esme U., KOKANGÜL A., BAYRAMOĞLU M., GEREN N.  
METALURGIJA, vol.48, no.2, pp.109-112, 2009 (SCI-Expanded)
- XXI. **Cost and performance evaluation of different surface treated dies for hot forging process**  
BAYRAMOĞLU M., POLAT H. H., GEREN N.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.205, pp.394-403, 2008 (SCI-Expanded)
- XXII. **Statistical optimization of process parameters to obtain maximum thickness and brightness in chromium plating**  
BAYRAMOĞLU M., ONAT B., GEREN N.  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.203, pp.277-286, 2008 (SCI-Expanded)
- XXIII. **Improvement of a low-cost water jet machining intensifier using reverse engineering and redesign**

## **methodology**

GEREN N., Bayramoglu M., ESME U.

JOURNAL OF ENGINEERING DESIGN, vol.18, no.1, pp.13-37, 2007 (SCI-Expanded)

- XXIV. **Design of a flexible assembly and remanufacturing cell for advanced SM components: selection of cell design concept based on reflow tools**  
GEREN N., CAKIRCA M., Bayramoglu M.  
SOLDERING & SURFACE MOUNT TECHNOLOGY, vol.18, no.1, pp.29-43, 2006 (SCI-Expanded)
- XXV. **Simplified design and manufacturing of high pressure components for a low-cost water jet intensifier using redesign methodology**  
GEREN N., Bayramoglu M., TUNC T.  
INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, vol.21, no.6, pp.505-525, 2004 (SCI-Expanded)
- XXVI. **Determination and comparison of surface mount component rework cycle times of manual and fully automated robotic rework stations for rework technology selection**  
Geren N.  
IEEE TRANSACTIONS ON ELECTRONICS PACKAGING MANUFACTURING, vol.26, no.2, pp.123-132, 2003 (SCI-Expanded)
- XXVII. **Effects of welding parameters on the quality of resistance spot welded SAE 1010 steel sheet**  
Bayramoglu M., ESME U., GEREN N.  
INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, vol.19, no.5, pp.362-373, 2003 (SCI-Expanded)
- XXVIII. **Cost and performance analysis of a robotic rework cell**  
Geren N., REDFORD A.  
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, vol.58, no.2, pp.159-172, 1999 (SCI-Expanded)
- XXIX. **Equipment selection, integration and interfacing of a robotic PCBA component rework cell**  
Geren N., Lo E.  
COMPUTER INTEGRATED MANUFACTURING SYSTEMS, vol.11, pp.77-89, 1998 (SCI-Expanded)
- XXX. **Software architecture of a printed circuit board assembly (PCBA) robotic rework cell**  
Geren N., Chan C., Redford A.  
COMPUTER INTEGRATED MANUFACTURING SYSTEMS, vol.10, no.4, pp.251-259, 1997 (SCI-Expanded)
- XXXI. **The limits of automating electronic component rework**  
Geren N.  
JOURNAL OF ELECTRONICS MANUFACTURING, vol.7, no.3, pp.225-238, 1997 (SCI-Expanded)
- XXXII. **Automated rework of printed circuit board assemblies: Methods and procedures**  
Geren N., Redford A.  
INTERNATIONAL JOURNAL OF COMPUTER INTEGRATED MANUFACTURING, vol.9, no.1, pp.48-60, 1996 (SCI-Expanded)
- XXXIII. **NONCONTACT TEMPERATURE-MEASUREMENT IN SM COMPONENT REWORK**  
GEREN N.  
JOURNAL OF ELECTRONICS MANUFACTURING, vol.5, no.2, pp.129-136, 1995 (SCI-Expanded)
- XXXIV. **Solder paste dispensing in robotic SMD rework**  
Geren N., EKERE N.  
Soldering and Surface Mount Technology, no.16, pp.21-25, 1994 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **Volume fraction of retained austenite in 1.2842 tool steel as a function of tempering temperature**  
Günerli E., BAYRAMOĞLU M., GEREN N.  
European Mechanical Science, vol.6, 2022 (Peer-Reviewed Journal)
- II. **Hybrid Taguchi Based Grey Algorithm for Multi Objective Optimization of Gas Metal Arc Welded**

## **DP1000 Steel**

Karataş M., BAYRAMOĞLU M., EŞME U., GEREN N.

European Mechanical Science, vol.5, no.4, pp.206-213, 2021 (Peer-Reviewed Journal)

- III. **ADVANCED TECHNOLOGIES FOR FIBER REINFORCED POLYMER COMPOSITE MANUFACTURING: A REVIEW**  
UZAY Ç., GEREN N.  
Kahramanmaraş Sütçü İmam Üniversitesi Mühendislik Bilimleri Dergisi, vol.23, no.4, pp.236-248, 2020 (Peer-Reviewed Journal)
- IV. **Ticari ve Askerî Elektronik Cihazlarda Kullanılan Yüzeyle Montajlı Yeni Nesil Devre Elemanlarının Tamir Sürecindeki Etkili Faktörler**  
GEREN N., Çakırca M.  
Savunma Bilimleri Dergisi, vol.1, no.38, pp.211-243, 2020 (Peer-Reviewed Journal)
- V. **Failure Analysis of Low-density Polymer Foam Core Sandwich Structures under Three-point Bending Loading**  
UZAY Ç., GEREN N.  
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.35, no.3, pp.813-820, 2020 (Peer-Reviewed Journal)
- VI. **Alternatif FML Kompozitler için Titanyum ve Elyaf/Epoksi Ara Yüzey Dayanımının İncelenmesi**  
BOZTEPE M. H., BAYRAMOĞLU M., UZAY Ç., GEREN N.  
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.35, no.3, pp.813-820, 2020 (Peer-Reviewed Journal)
- VII. **Impact Strength of Interply and Intraply Hybrid Laminates Based on Carbon-Aramid/Epoxy Composites**  
UZAY Ç., ACER D. C., GEREN N.  
European Mechanical Science, vol.3, no.1, pp.1-5, 2019 (Peer-Reviewed Journal)
- VIII. **Design of Composite Sandwich Chassis and Application to Urban Concept Electric Vehicles**  
UZAY Ç., ACER D. C., GEREN N., AKILLI H.  
International Journal of Mechanical and Production Engineering (IJMPE), vol.6, no.9, pp.41-45, 2018 (Scopus)
- IX. **Evaluation of Flexural Stiffness for the Lightweight Polymer Foam Core Sandwich Structures**  
UZAY Ç., ACER D. C., GEREN N., ÇETİN A.  
International Journal of Mechanical and Production Engineering (IJMPE), vol.6, no.9, pp.36-40, 2018 (Peer-Reviewed Journal)
- X. **Intelligent Use of ISO and AGMA Gear Standards for Cost Effective Spur Gear Design**  
UZAY Ç., GEREN N.  
Mühendislik Bilimleri ve Tasarım Dergisi, vol.5, no.3, pp.643-655, 2017 (Peer-Reviewed Journal)
- XI. **Advanced Material Selection Technique For High Strength and Lightweight Spur Gear Design**  
Geren N., Uzay Ç.  
European Mechanical Science, vol.1, no.4, pp.133-140, 2017 (Peer-Reviewed Journal)
- XII. **Improving the Adhesion Bonding Strength for FML Composites by Using a Extremely Thin Mesh Steels**  
BOZTEPE M. H., BAYRAMOĞLU M., UZAY Ç., GEREN N.  
European Mechanical Science, vol.1, no.4, pp.111-116, 2017 (Peer-Reviewed Journal)
- XIII. **Sandviç Malzeme Geliştirmede Polimer Köpük Çekirdek Kalınlığının Eğilme Dayanımına Etkisinin Deneysel olarak Araştırılması**  
GEREN N., UZAY Ç., BOZTEPE M. H., BAYRAMOĞLU M.  
ÇUKUROVA ÜNİVERSİTESİ MÜHENDİSLİK MİMARLIK FAKÜLTESİ DERGİSİ, vol.32, no.2, pp.13-22, 2017 (Peer-Reviewed Journal)
- XIV. **Impact Energy Absorption Capacity of Fiber Reinforced Polymer Matrix (FRP) Composites**  
Uzay Ç., Boztepe M. H., Geren N.  
International Journal of Arts & Sciences, vol.9, no.1, pp.211-220, 2016 (Peer-Reviewed Journal)
- XV. **A comparison of modules by using two different gear design approaches,**

- Uzay Ç., Geren N.  
Ç.Ü. Journal of Science and Engineering, vol.32, no.4, pp.47-56, 2015 (Peer-Reviewed Journal)
- XVI. **Systematic design process of cartoon separating machine**  
Delibaş H., GEREN N.  
Ç.Ü. fen ve Mühendislik Bilimleri Dergisi, vol.28, no.5, pp.170-177, 2012 (Peer-Reviewed Journal)
- XVII. **The use of Composite Materials in Automotive Industry**  
Önşen M., Bayramoğlu M., Geren N.  
Ç.Ü. Fen ve Mühendislik Bilimleri Dergisi, vol.24, no.2, pp.165-174, 2010 (Non Peer-Reviewed Journal)
- XVIII. **TÜBİTAK Sanayi Araştırma Geliştirme Projeleri Destekleme programı ve İlgili yönetmelikte yapılan Değişikler**  
GEREN N.  
ADASO gazetesi, pp.11-17, 2006 (Non Peer-Reviewed Journal)
- XIX. **Endüstriyel sistemlerde kullanılan elektronik kartların tamiri ve kart tamiri hakkında bilinmesi gerekenler**  
Geren N.  
Metal ve Makine, no.155, pp.402-407, 2005 (Non Peer-Reviewed Journal)
- XX. **3000 bar Çalışma Basıncılı Çift Etkili Basınç Yükseltici Tasarımı ve İmalatı**  
GEREN N., BAYRAMOĞLU M., Ayseven A., SARIGEÇİLİ M. İ.  
Ç. Ü. Müh. Mimarlık Fakültesi Dergisi, pp.49-53, 2003 (Peer-Reviewed Journal)
- XXI. **Metal Endüstrisinde Aşındırıcılı Su Jeti Kesme Sistemlerinin Kullanımı ve Kesim Karakteristikleri**  
GEREN N., TUNÇ T.  
Makine ve Metal Teknolojisi, no.118, pp.71-76, 2001 (Peer-Reviewed Journal)
- XXII. **Yapısal Farklılıklar İçeren Su Jeti Kesme Sistemlerinin En Uygununun Belirlenmesi**  
GEREN N., TUNÇ T.  
Mühendis ve Makina, no.500, pp.42-49, 2001 (Peer-Reviewed Journal)
- XXIII. **Basıncılı Kap Tasarım Kodları ve Çatlak Analizi**  
Geren N., Tunç T.  
Mühendis ve Makina, vol.40, no.479, pp.15-22, 1999 (Peer-Reviewed Journal)
- XXIV. **Scara Tipi Endüstriyel Robot Hareketlerinin Bilgisayar Destekli Programlarla Kontrolü**  
GEREN N., ERTÜRK M.  
Makina Tasarım ve İmalat Dergisi, vol.3, no.3, pp.128-133, 1997 (Peer-Reviewed Journal)
- XXV. **Automated removal and replacement of surface mounted devices in electronic assembly**  
GEREN N.  
IEEE transactions on components, packaging and manufacturing technology. Part C. Manufacturing, vol.20, no.3, pp.227-235, 1997 (Scopus)
- XXVI. **Automated removal and replacement of through-hole components in robotic rework**  
GEREN N., Lo E.  
IEEE transactions on components, packaging and manufacturing technology. Part C. Manufacturing, vol.20, no.3, pp.236-248, 1997 (Scopus)
- XXVII. **Sert Malzemelerde Su Jeti ile Kesme Teknolojisi**  
ŞAHİN B., GEREN N.  
Makina ve Metal Teknolojisi Dergisi, vol.39, pp.77-79, 1995 (Peer-Reviewed Journal)
- XXVIII. **Su Jeti ile Kesme Teknolojisi ve Endüstriyel Uygulamaları**  
GEREN N., ŞAHİN B.  
Mühendis ve Makina Dergisi, vol.35, pp.424-428, 1995 (Peer-Reviewed Journal)
- XXIX. **The Significance of Desoldering and Resoldering Methods in Robotic Automated Rework**  
GEREN N., Redford A. H.  
JOURNAL OF ELECTRONICS MANUFACTURING, vol.4, no.1, pp.41-51, 1994 (Peer-Reviewed Journal)
- XXX. **Computer-Integrated Automatic PCBA Rework**  
Geren N., Chan C., LO E.  
Integrated Manufacturing Systems, vol.3, no.4, pp.38-43, 1992 (Scopus)

- XXXI. **Karşıt Döner Silindirli Yerfıstığı Temizleme ve Sınıflandırma Makina Tasarımı**  
AKÇALI İ. D., GEREN N.  
Ç.Ü. Müh. Mim. Fak. Dergisi, vol.2, no.1, pp.145-154, 1987 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Enhanced Failure Behavior for Sandwiches with Hybrid Wire Mesh/FRP Face Sheets**  
UZAY Ç., GEREN N.  
in: Sandwich Composites, Fabrication and Characterization, Krishnasamy Senthilkumar, Muthukumar Chandrasekar, Thiagamani Senthil Muthu Kumar, Rangappa Sanjay Mavinkere, Siengchin Suchart, Editor, Routledge and CRC Press, Boca Raton, pp.191-212, 2022
- II. **Makine Mühendisliğine Giriş**  
Geren N. (Editor)  
Papatya Yayıncılık, İstanbul, 2017
- III. **Temel Makine Elemanları**  
GEREN N.  
in: Makine Mühendisliğine Giriş, Necdet Geren, Editor, Papatya Yayıncılık Eğitim A. Ş., İstanbul, pp.369-470, 2017
- IV. **Makine Mühendisliği Mesleği**  
GEREN N.  
in: Makine Mühendisliğine Giriş, Necdet Geren, Editor, Papatya Yayıncılık Eğitim A.Ş., İstanbul, pp.1-64, 2017
- V. **Üniversite-Sanayi İşbirliği Ulusal Kongresi -2008 Bildiriler Kitabı**  
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## Activities in Scientific Journals

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Citation (WoS): 108

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## Scholarships

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Geren N., Overseas Research Student Award, The Committee Of Vice-Chancellors And Principal Of The Universities Of The United Kingdom, July 1991

## **Non Academic Experience**

Ç.Ü. Teknokent / Adana ÜSAM

TÜBİTAK Adana Üniversite-Sanayi Ortak Araştırma Merkezi

TÜBİTAK Adana Üniversite-Sanayi Ortak Araştırma Merkezi