

## Prof. VOLKAN KOVAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: B-9029-2016

ScopusID: 15769480200

Yoksis Researcher ID: 158692

### Education Information

Doctorate, Pamukkale University, Institute Of Science, Makine Mühendisliği Anabilimdalı, Turkey 2002 - 2006

Postgraduate, Pamukkale University, Institute Of Science, Makine Mühendisliği Anabilimdalı, Turkey 1999 - 2002

Undergraduate, Pamukkale University, Faculty Of Engineering, Department Of Mechanical Engineering, Turkey 1995 - 1999

### Dissertations

Doctorate, Oksit dispersiyon sertleştirilmesi yapılmış NiCr8020 (2.4869) nikel esaslı süper alaşımın termomekanik yorulma davranışının belirlenmesi, Pamukkale University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, 2006

Postgraduate, Plastik malzeme türleri ve bunların fiziksel özelliklerinin belirlenmesi için kullanılan deney ve yöntemler, Pamukkale University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, 2002

### Research Areas

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

### Academic Titles / Tasks

Professor, Akdeniz University, Faculty of Engineering, Department of Mechanical Engineering, 2018 - Continues

Associate Professor, Akdeniz University, Faculty of Engineering, Department of Mechanical Engineering, 2012 - 2018

Assistant Professor, Akdeniz University, Faculty of Engineering, Department of Mechanical Engineering, 2010 - 2012

Assistant Professor, Pamukkale University, Faculty Of Engineering, Department Of Mechanical Engineering, 2008 - 2010

Research Assistant PhD, Pamukkale University, Faculty Of Engineering, Makine Mühendisliği, 2006 - 2008

Research Assistant, Pamukkale University, Faculty Of Engineering, Department Of Mechanical Engineering, 2000 - 2006

## Advising Theses

- Kovan V., SAVUNMA SANAYİ İÇİN BİR ORNİTHOPTER MEKANİZMASI TASARIM VE İMALATI, Postgraduate, S.BÜYÜKKAYA(Student), 2023
- Kovan V., Sıkı geçme bağlantılarında çentik etkisinin sayısal olarak incelenmesi, Postgraduate, N.AŞKIN(Student), 2023
- Kovan V., Düşük erime sıcaklığına sahip metal alaşımları için üç boyutlu yazıcı tasarımı ve imalatı, Postgraduate, M.KEMAL(Student), 2022
- Kovan V., Yüksek sıcaklık uygulamaları için oksit dispersiyon sertleştirmeli alüminyum matrisli nano kompozitlerin üretimi, Postgraduate, F.Erdoğan(Student), 2017
- Kovan V., Engelli hastalarının yürüyüş rehabilitasyonu için dış iskelet tasarımı, Postgraduate, E.Yılmaz(Student), 2014

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

- I. **Operational wear behaviour of 3D-printed lightweight metal gears: EDS and oil analysis comparison**  
Tezel T., Schultheiss U., Hornberger H., Kovan V.  
MATERIALPRUEFUNG/MATERIALS TESTING, vol.1, no.1, pp.1, 2024 (SCI-Expanded)
- II. **Improving surface and dimensional quality with an additive manufacturing-based hybrid technique**  
Mertkan İ. A., Tezel T., Kovan V.  
International Journal of Advanced Manufacturing Technology, vol.128, no.5-6, pp.1957-1963, 2023 (SCI-Expanded)
- III. **Three-dimensional printability of bismuth alloys with low melting temperatures**  
Gülseren M. K., KOVAN V., TEZEL T.  
Journal of Manufacturing Processes, vol.92, pp.238-246, 2023 (SCI-Expanded)
- IV. **Investigation into impact properties of adhesively bonded 3D printed polymers**  
Özenç M., TEZEL T., KOVAN V.  
International Journal of Adhesion and Adhesives, vol.118, 2022 (SCI-Expanded)
- V. **Heat treatment effect on fatigue behavior of 3D-printed maraging steels**  
TEZEL T., KOVAN V.  
RAPID PROTOTYPING JOURNAL, vol.28, no.1, pp.175-184, 2022 (SCI-Expanded)
- VI. **Determination of optimum production parameters for 3D printers based on nozzle diameter**  
TEZEL T., KOVAN V.  
RAPID PROTOTYPING JOURNAL, vol.28, no.1, pp.185-194, 2022 (SCI-Expanded)
- VII. **Impact properties of 3D-printed engineering polymers**  
TEZEL T., Ozenc M., KOVAN V.  
MATERIALS TODAY COMMUNICATIONS, vol.26, 2021 (SCI-Expanded)
- VIII. **Failure analysis of 3D-printed steel gears**  
TEZEL T., TOPAL E. S., KOVAN V.  
ENGINEERING FAILURE ANALYSIS, vol.110, 2020 (SCI-Expanded)
- IX. **Characterising the wear behaviour of DMLS-manufactured gears under certain operating conditions**  
TEZEL T., TOPAL E. S., KOVAN V.  
WEAR, vol.440, 2019 (SCI-Expanded)
- X. **The effect of molybdenum on titanium's castability in dental prosthesis applications: A numerical analysis**  
KOVAN V., TEZEL T., TOPAL E. S.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, vol.233, no.10, pp.1966-1971, 2019 (SCI-Expanded)
- XI. **Effects of the printing parameters on short-term creep behaviors of three-dimensional printed polymers**  
TEZEL T., KOVAN V., TOPAL E. S.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.136, no.21, 2019 (SCI-Expanded)

- XII. **Designing and Manufacturing of Polymer-Foam Hybrid Materials Using Fused Deposition Modeling**  
TEZEL T., KOVAN V., ÇAMURLU H. E., TOPAL E. S.  
ADVANCED ENGINEERING MATERIALS, vol.21, no.6, 2019 (SCI-Expanded)
- XIII. **Numerical and experimental analysis of a 3D printed Savonius rotor with built-in extension plate**  
Altan B., KOVAN V., Altan G.  
WIND AND STRUCTURES, vol.27, no.1, pp.1-9, 2018 (SCI-Expanded)
- XIV. **Elasto-Plastic Separation Frequency Analysis of Interference Fitted Joints in Lightweight Materials**  
KOVAN V.  
INTERNATIONAL JOURNAL OF COMPUTATIONAL METHODS, vol.15, no.4, 2018 (SCI-Expanded)
- XV. **Effect of layer thickness and print orientation on strength of 3D printed and adhesively bonded single lap joints**  
KOVAN V., Altan G., TOPAL E. S.  
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, vol.31, no.5, pp.2197-2201, 2017 (SCI-Expanded)
- XVI. **Investigation of 3D printed Savonius rotor performance**  
Altan B., Altan G., KOVAN V.  
RENEWABLE ENERGY, vol.99, pp.584-591, 2016 (SCI-Expanded)
- XVII. **Flexural behavior of 3D printed honeycomb sandwich structures with waste filler material**  
Altan G., KOVAN V.  
MATERIALS TESTING, vol.58, no.10, pp.833-838, 2016 (SCI-Expanded)
- XVIII. **Separation frequency analysis of interference fitted hollow shaft-hub connections by finite element method**  
Kovan V.  
ADVANCES IN ENGINEERING SOFTWARE, vol.42, no.9, pp.644-648, 2011 (SCI-Expanded)
- XIX. **The development of a new mandibular osteosynthesis plate: an application of the Ashby approach**  
Kovan V.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART H-JOURNAL OF ENGINEERING IN MEDICINE, vol.225, no.H2, pp.199-205, 2011 (SCI-Expanded)
- XX. **An assessment of impact strength of the mandible**  
Kovan V.  
JOURNAL OF BIOMECHANICS, vol.41, no.16, pp.3488-3491, 2008 (SCI-Expanded)
- XXI. **Thermal-mechanical fatigue behaviour and life prediction of oxide dispersion strengthened nickel-based superalloy PM1000**  
Kovan V., HAMMER J., MAI R., Yuksel M.  
MATERIALS CHARACTERIZATION, vol.59, no.11, pp.1600-1606, 2008 (SCI-Expanded)
- XXII. **Microstructures and mechanical properties of friction stir welded dissimilar copper/brass joints**  
Meran C., Kovan V.  
MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK, vol.39, no.8, pp.521-530, 2008 (SCI-Expanded)
- XXIII. **Modelling by artificial neural network of high temperature fatigue life of oxide dispersion strengthened nickel-based superalloy PM 1000**  
Kovan V., HAMMER J., MAI R., Yuksel M.  
MATERIALS AT HIGH TEMPERATURES, vol.25, no.2, pp.81-88, 2008 (SCI-Expanded)
- XXIV. **Torque strength of bolted connections with locked anaerobic adhesive**  
Sekercioglu T., Kovan V.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS, vol.222, no.L1, pp.83-89, 2008 (SCI-Expanded)
- XXV. **Prediction of static shear force and fatigue life of adhesive joints by artificial neural network**  
Sekercioglu T., Kovan V.  
KOVOVE MATERIALY-METALLIC MATERIALS, vol.46, no.1, pp.51-57, 2008 (SCI-Expanded)
- XXVI. **Friction stir welding of AISI 304 austenitic stainless steel**  
MERAN C., Kovan V., ALPTEKIN A.  
MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK, vol.38, no.10, pp.829-835, 2007 (SCI-Expanded)

- XXVII. **Pitting failure of truck spiral bevel gear**  
SEKERCIOGLU T., KOVAN V.  
ENGINEERING FAILURE ANALYSIS, vol.14, no.4, pp.614-619, 2007 (SCI-Expanded)

## Articles Published in Other Journals

- I. **3B Yazıcı ile Pla Malzemededen Üretilmiş İnce Kirişlerin Yazdırma Yönelim Açısının Doğal Frekansa Etkisi**  
TEZEL T., Atlıhan G., KOVAN V., TOPAL E. S.  
Firat Üniversitesi Mühendislik Bilimleri Dergisi, vol.31, no.1, pp.123-128, 2019 (Peer-Reviewed Journal)
- II. **Hibrit İmalat: Eklemeli İmalat İle Talaşlı İmalat Yöntemlerinin Birlikte Kullanılabilirliğinin İncelenmesi**  
TEZEL T., TOPAL E. S., KOVAN V.  
International Journal of 3D Printing Technologies and Digital Industry, vol.2, no.3, pp.60-65, 2018 (Peer-Reviewed Journal)
- III. **Alaşımsız ıslah çeliklerinin derinliğine sertleşme kabiliyetlerinin modellenmesi**  
Meran C., KOVAN V.  
Metalürji Malzeme, vol.2, pp.110-113, 2005 (Peer-Reviewed Journal)
- IV. **Otomotiv Endüstrisinde Kullanılan Yapıştırıcılar**  
Şekercioğlu T., KOVAN V., Ülker Ç.  
MakinaTek, vol.90, pp.132-136, 2005 (Peer-Reviewed Journal)
- V. **Makine Elemanlarında Seramik Malzemelerin Kullanımı**  
Şekercioğlu T., KOVAN V.  
Metal Dünyası, vol.141, pp.102-106, 2005 (Peer-Reviewed Journal)
- VI. **Yapıştırma Bağlantılarında Yapışma Teorileri ve Yüzey Enerjilerinin İncelenmesi**  
KOVAN V., Şekercioğlu T.  
Yüzey İşlemler, vol.42, pp.22-26, 2005 (Peer-Reviewed Journal)
- VII. **Elektro Kimyasal Korozyona Dayanıklı Nikel Esaslı Yüksek Performans Alaşımları**  
KOVAN V., Meran C., Yüksel M.  
Yüzey İşlemler, vol.41, pp.56-64, 2004 (Peer-Reviewed Journal)
- VIII. **Genel Yapı Çelikleri Nereye Gidiyor?**  
KOVAN V., Yüksel M., Meran C.  
Metal Dünyası, vol.134, pp.120-125, 2004 (Peer-Reviewed Journal)
- IX. **Vakum Kaplama Tekniklerine Genel Bir Bakış**  
KOVAN V., Meran C., Yüksel M.  
Makine Market, vol.80, pp.120-125, 2004 (Peer-Reviewed Journal)
- X. **Nikel Esaslı Süper Alaşımlar**  
Meran C., KOVAN V.  
Makine Market, vol.76, pp.112-116, 2004 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Metallerin Sert Lehimlenmesi Ve Lehime Uygun Tasarım Prensipleri**  
KOVAN V., TEZEL T.  
in: Mühendislik Alanında Akademik Araştırma ve Derlemeler II, , Editor, Platanus Publishing, Ankara, pp.35-46, 2023
- II. **Çelikler İçin Isıl İşleme Uygun Tasarımın Temel Prensipleri**  
KOVAN V., TEZEL T.  
in: Mühendislik Alanında Akademik Araştırma ve Derlemeler II, , Editor, Platanus Publishing, Ankara, pp.25-34,

2023

- III. **Biyomedikal Uygulamaları İçin Biyoçözünür Magnezyum Alaşımlarının Eklemeli İmalatla Üretimi**  
TEZEL T., KOVAN V.  
in: Malzeme Teknolojisi Ve Tasarım Bilimlerine Yeni Yaklaşımlar, , Editor, Güven Plus Grup AŞ, pp.102-127, 2021
- IV. **Poligon Mil-Göbek Bağlantıları: Geometri, Hesap Ve Tasarımı**  
KOVAN V., TEZEL T.  
in: Malzeme Teknolojisi Ve Tasarım Bilimlerine Yeni Yaklaşımlar, , Editor, Güven Plus Grup A.Ş. Yayınları, pp.318-336, 2021

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

- I. **Ergiyik Biriktirme Tekniği Esaslı Abs/Pc Poliblend İmalatında Boyutsal Hassasiyetin İncelenmesi**  
TEZEL T., KOVAN V.  
Ege 10th International Conference on Applied Sciences, İzmir, Turkey, 23 December 2023, pp.136-141
- II. **İnsansız Hava Araçları Ve Biyomimetik Uygulamaları**  
Büyükkaya S., KOVAN V., TEZEL T.  
Ege 10th International Conference on Applied Sciences, İzmir, Turkey, 21 December 2023, pp.128-135
- III. **Üç Boyutlu Çikolata Yazıcı Teknolojisi**  
TEZEL T., KOVAN V.  
Ege 10th International Conference on Applied Sciences, İzmir, Turkey, 22 December 2023, pp.142-147
- IV. **Doğal Lif Takviyeli Kompozit Filament İmalatı**  
Tezel T., Kovan V.  
Ege 2nd International Congress on Innovation Technologies & Engineering, İzmir, Turkey, 12 June 2023, pp.416-420
- V. **Otomobil Pistonlarının Eklemeli İmalatta Kullanılabilirliğinin Nümerik Analizi**  
Tekavit G., Tezel T., Kovan V.  
Ege 2nd International Congress on Innovation Technologies & Engineering, İzmir, Turkey, 12 June 2023, pp.426-431
- VI. **Modern İmalat Yöntemlerine Uygun Tasarım İlkeleri**  
Tezel T., Kovan V.  
Ege 2nd International Congress on Innovation Technologies & Engineering, İzmir, Turkey, 12 June 2023, pp.421-425
- VII. **Ornithopter Teknolojilerinin Gelişimi**  
Büyükkaya S., Kovan V., Tezel T.  
Ege 2nd International Congress on Innovation Technologies & Engineering, İzmir, Turkey, 12 June 2023, pp.432-439
- VIII. **Talaşlı İmalatta Nanoparçacık Takviyeli Kesme Sıvılarının Kullanımı**  
Tekavit G., TEZEL T., KOVAN V.  
BilTek-VII International Symposium On Current Developments In Science, Technology And Social Science, Ankara, Turkey, 26 May 2023, pp.1130-1137
- IX. **Otomobil Pistonunda Sonlu Elemanlar Yöntemi İle Hasar Analizi**  
Tekavit G., TEZEL T., KOVAN V.  
Biltek-VII International Symposium On Current Developments In Science, Technology And Social Science, Ankara, Turkey, 26 May 2023, pp.1138-1147
- X. **Eklemeli İmalat İçin Biyobozunur Malzeme Geliştirilmesi**  
Sogay A., TEZEL T., KOVAN V.  
BilTek-VII International Symposium On Current Developments In Science, Technology And Social Science, Ankara, Turkey, 26 May 2023, pp.989-998
- XI. **Eklemeli İmalatta Uluslararası Kuruluşlar Tarafından Yürütülen Standardizasyon Faaliyetleri**  
TEZEL T., KOVAN V.

- Ege 7th International Conference on Applied Sciences, İzmir, Turkey, 24 December 2022, pp.884-890
- XII. **Seçici Lazer Ergitme Yönteminde Üretim Kısıtlamalarına Uygun Tasarım Kriterleri**  
TEZEL T., KOVAN V.  
Ege 7th International Conference on Applied Sciences, İzmir, Turkey, 24 December 2022, pp.878-883
- XIII. **Konik Disk Yayların Analitik ve Nümerik Gerilme Analizi**  
TEZEL T., KOVAN V.  
Ankara International Congress On Scientific Research-VII, Ankara, Turkey, 02 December 2022, pp.1073-1080
- XIV. **4D Üretimin Biyomedikal Uygulamaları**  
TEZEL T., KOVAN V.  
Ankara International Congress On Scientific Research-VII, Ankara, Turkey, 02 December 2022, pp.1081-1085
- XV. **Eklemeli İmalatta İş Güvenliği**  
TEZEL T., KOVAN V.  
3. International Dicle Scientific Research And Innovation Congress, Diyarbakır, Turkey, 26 November 2022, pp.8-13
- XVI. **Eklemeli İmalat İçin Tasarım İlkeleri**  
TEZEL T., KOVAN V.  
3. International Dicle Scientific Research And Innovation Congress, Diyarbakır, Turkey, 26 November 2022, pp.14-20
- XVII. **Failure Analysis of a Helical Hss End Mill**  
Bulut Ş. M., TEZEL T., KOVAN V.  
International Congress on Innovation Technologies Engineering, İzmir, Turkey, 02 September 2022, pp.62-67
- XVIII. **Post-Production Copper Coating Applications with Additive Manufacturing**  
Bulut Ş. M., TEZEL T., KOVAN V.  
International Congress on Innovation Technologies Engineering, İzmir, Turkey, 02 September 2022, pp.68-72
- XIX. **Failure Analysis of a Diesel Vehicle Piston**  
Emirzeoğlu M., TEZEL T., KOVAN V.  
AL FARABI 4th International Congress on Applied Sciences, Erzurum, Turkey, 19 August 2022, pp.75-84
- XX. **Biomimetic Soft Materials and Soft Robots Produced By Additive Manufacturing**  
Emirzeoğlu M., TEZEL T., KOVAN V.  
AL FARABI 4th International Congress on Applied Sciences, Erzurum, Turkey, 19 August 2022, pp.85-90
- XXI. **Eklemeli İmalat Kullanılarak Hibrit Malzeme Tasarımı**  
Tezel T., Kovan V.  
8. Uluslararası Mühendislik Mimarlık Ve Tasarım Kongresi, İstanbul, Turkey, 06 December 2021, pp.76-83
- XXII. **Ergiyik Biriktirme Tekniği İçin Geri Dönüşüm Termoplastik Malzemelerin Temel Tanımlama Analizleri**  
KOVAN V., TEZEL T.  
8. Uluslararası Mühendislik Mimarlık Ve Tasarım Kongresi, İstanbul, Turkey, 06 December 2021
- XXIII. **Bicycle Disc Brake Rotor Topological Optimization**  
Karamahmutoğlu T., TEZEL T., KOVAN V.  
INTERNATIONAL CONGRESS ON LIFE, HEALTH, AND SOCIAL SCIENCES IN 21ST CENTURY, 27 August 2021, pp.108-114
- XXIV. **Topology Optimization Of A Low-Speed Class Aircraft Wing**  
Tathisu N., KOVAN V., TEZEL T.  
INTERNATIONAL CONGRESS ON LIFE, HEALTH, AND SOCIAL SCIENCES IN 21ST CENTURY, 27 August 2021, pp.132-140
- XXV. **The Use Of Metal Additive Manufacturing In Transplantation Applications**  
Gülseren M. K., KOVAN V., TEZEL T.  
V. INTERNATIONAL ISTANBUL SCIENTIFIC RESEARCH CONGRESS, İstanbul, Turkey, 14 August 2021, pp.357-363
- XXVI. **Stress Relaxation And Prevention In Bolt Connections**  
Arıkan N. A., KOVAN V., TEZEL T.  
V. INTERNATIONAL ISTANBUL SCIENTIFIC RESEARCH CONGRESS, İstanbul, Turkey, 14 August 2021, pp.468-472
- XXVII. **Low Melting Alloys For Fused Filament Fabrication**

- Gülseren M. K., KOVAN V., TEZEL T.  
V. INTERNATIONAL ISTANBUL SCIENTIFIC RESEARCH CONGRESS, İstanbul, Turkey, 14 August 2021, pp.464-467
- XXVIII. **Corrosion Damage And Prevention In Pipeline Welding Joints**  
Arikan N. A., KOVAN V., TEZEL T.  
V. INTERNATIONAL ISTANBUL SCIENTIFIC RESEARCH CONGRESS, İstanbul, Turkey, 14 August 2021, pp.473-480
- XXIX. **Additive Manufacturing in Automotive Industry**  
Gülseren M. K., TEZEL T., KOVAN V.  
International Conference on Intelligent Robotics, Mechatronics, and Automation Systems, Chennai, India, 26 - 27 March 2021, pp.50
- XXX. **The Benefits of Additive Manufacturing in The Covid-19 Pandemia Process**  
Gülseren M. K., TEZEL T., KOVAN V.  
International Conference on Intelligent Robotics, Mechatronics, and Automation Systems, Chennai, India, 26 - 27 March 2021, pp.69
- XXXI. **Functional Anatomical Models Production by Additive Manufacturing**  
MERTKAN İ. A., TEZEL T., KOVAN V.  
3rd Kuala Lumpur International Conference on Education, Economics and Technology,, Kuala Lumpur, Malaysia, 20 - 21 March 2021, pp.67-73
- XXXII. **An Overview of Hybrid Manufacturing of Plastics**  
MERTKAN İ. A., TEZEL T., KOVAN V.  
3rd Kuala Lumpur International Conference on Education, Economics and Technology, Kuala Lumpur, Malaysia, 20 - 21 March 2021, pp.21-27
- XXXIII. **Polyblends in Three-Dimensional Printing**  
TEZEL T., KOVAN V.  
3rd International Conference on Technology and Science, Burdur, Turkey, 18 - 20 December 2020, pp.146-149
- XXXIV. **Determining the Water Absorbing Characteristics of 3D Printed ABS Material**  
TEZEL T., KOVAN V.  
3rd International Conference on Technology and Science, Burdur, Turkey, 18 - 20 December 2020, pp.143-145
- XXXV. **Creep Behavior Of Additively Manufactured Inconel 718**  
TEZEL T., KOVAN V., MAI R.  
3rd International Conference on Technology and Science, Burdur, Turkey, 18 - 20 December 2020, pp.69-72
- XXXVI. **High-Temperature Fatigue Of 3d Printed Nickel Based Superalloys**  
KOVAN V., TEZEL T., MAI R.  
3rd International Conference on Technology and Science, Burdur, Turkey, 18 - 20 December 2020, pp.66-68
- XXXVII. **An Overview of Design Principles According To Aesthetics and Ergonomics**  
SEVİM BÜŞRA A., KOVAN V., TEZEL T.  
3th International Conference on Data Science and Applications, İstanbul, Turkey, 25 - 28 June 2020, pp.17
- XXXVIII. **Daha Kolay Montaj İçin Makine Tasarım İlkelerine Genel Bakış**  
MERTKAN İ. A., KOVAN V., TEZEL T.  
Selçuk Zirvesi 2. Uluslararası Uygulamalı Bilimler Kongresi, Konya, Turkey, 7 - 08 June 2020, pp.57-58
- XXXIX. **Analysis of Energy Consumption in Micro-drilling Processes**  
ARKIN S. B., TEZEL T., KOVAN V.  
2.International Conference on Technology and Science, Burdur, Turkey, 14 - 16 November 2019, pp.69
- XL. **Nickel Based Super Alloys Used in the Field of Energy and Technological Expectations**  
ARIKAN N. A., KOVAN V., TEZEL T.  
2.International Conference on Technology and Science, Burdur, Turkey, 14 - 16 November 2019, pp.68
- XLI. **Effects of Tooth Profile Modification on Root Stress in 3D Printed Micro Module Spur Gears : A Numerical Analysis**  
TEZEL T., KOVAN V., TOPAL E. S.  
International Conference on Technology and Science, Antalya, Turkey, 13 - 15 December 2018
- XLII. **Investigation of the Usability of 3D Printing Methods in Miniature Gear Manufacturing**  
TEZEL T., KOVAN V., TOPAL E. S.

International Conference on Technology and Science, Antalya, Turkey, 13 - 15 December 2018

- XLIII. **Effect of Printing Parameters On Mechanical Properties of 3D Printed Pla/Carbon Fibre Composites**  
KOVAN V., TEZEL T., ÇAMURLU H. E., TOPAL E. S.  
International Scientific Conference Machines Technologies Materials, Varna, Bulgaria, 12 - 15 September 2018, vol.2, pp.271-273
- XLIV. **PRINTING PARAMETERS EFFECT ON SURFACE CHARACTERISTICS OF 3D PRINTED PLA MATERIALS**  
KOVAN V., TEZEL T., TOPAL E. S., ÇAMURLU H. E.  
INTERNATIONAL SCIENTIFIC CONFERENCE MACHINES TECHNOLOGIES MATERIALS, Varna, Bulgaria, 12 - 15 September 2018, vol.2, pp.168-171
- XLV. **Contact and Bending Stress Analysis of 3D Printed Micro Module Gears**  
TEZEL T., KOVAN V., TOPAL E. S.  
IMCOFE V. International Multidisciplinary Congress Of Eurasia, Barcelona, Spain, 24 - 26 July 2018
- XLVI. **Effect of Printing Parameters on Surface Roughness of 3D Printed ABS Micro-Module Gears**  
TEZEL T., KOVAN V., TOPAL E. S.  
IMCOFE V. International Multidisciplinary Congress Of Eurasia, Barcelona, Spain, 24 - 26 July 2018
- XLVII. **3B Yazdırılmış Kompozitlerin Yazdırma Parametrelerinin Yüzey Pürüzlülüğüne Etkisinin Deneysel İncelenmesi**  
TEZEL T., KOVAN V., TOPAL E. S.  
18th International Conference on Machine Design and Production, Eskişehir, Turkey, 3 - 06 July 2018
- XLVIII. **Design And Manufacture Of Wear Test Machine For Micro Module Gears**  
TEZEL T., TOPAL E. S., KOVAN V.  
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- XLIX. **Design and Manufacture of Gear Test Machine for Micro Module Gears**  
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