Lect. KEMAL AYAN

Personal Information

Email: kemal.ayan@cbu.edu.tr
Web: https://avesis.mcbu.edu.tr/kemal.ayan

International Researcher IDs
ScholarID: Gvpck_oAAAAJ
ORCID: 0000-0002-2181-1350
Publons / Web Of Science ResearcherID: PMX-3508-2026
ScopusID: 59897029000
Yoksis Researcher ID: 443841

Education

Doctorate, Manisa Celal Bayar University, Lisansüstü Eğitim Enstitüsü, Mechanical Engineering, Turkey 2025 - Present
Postgraduate, Manisa Celal Bayar University, Fen Bilimleri Enstitüsü, Mechanical Engineering, Turkey 2021 - 2025
Undergraduate, Anadolu University, İktisadi Ve İdari Bilimler Fakültesi, İşletme Bölümü (İibf), Turkey 2019 - 2023
Undergraduate, Suleyman Demirel University, Mühendislik Ve Doğa Bilimleri Fakültesi, Makine Mühendisliği Bölümü, Turkey 2012 - 2020

Foreign Languages

English

Dissertations

Postgraduate, ASMA SAPI TAKVİYELİ PLA YEŞİL KOMPOZİT MALZEMELERİN EKLEMELİ İMALAT YÖNTEMİYLE ÜRETİMİ VE KARAKTERİZASYONU, Manisa Celal Bayar University, Fen Bilimleri Enstitüsü, 2025

Research Areas

Avesis Research Areas: Mechanical Engineering, Metallurgical and Materials Engineering, Engineering and Technology
WoS Research Areas: Metallurgy & Metallurgical Engineering, Materials Science Characterization & Testing, Engineering Mechanical, Engineering, Materials Science, Mechanics, Engineering Multidisciplinary, Engineering Manufacturing, Engineering Aerospace, Materials Science Biomaterials, Materials Science Multidisciplinary
Scopus Research Areas: Metals and Alloys, Biomaterials, Materials Science (miscellaneous), General Engineering, Mechanics of Materials, Mechanical Engineering, Industrial and Manufacturing Engineering, Engineering (miscellaneous), General Engineering, Multidisciplinary, Multidisciplinary

Academic Positions

Lecturer, Manisa Celal Bayar University, Rektörlük, Rektörlük, 2026 - Present

Researcher, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Makine Mühendisliği, 2022 - 2025

Articles

I. **Multi-response optimization of SLM-produced Ti6Al4V alloy: focusing on density and surface roughness**
İRİZALP S., Apaydın C., Ayan K., SAKLAKOĞLU N.
INTERNATIONAL JOURNAL ON INTERACTIVE DESIGN AND MANUFACTURING, vol.20, no.3, pp.1389-1410, 2026 (ESCI, Scopus)

II. **Enhancing fatigue performance and microstructural integrity of additively manufactured Ti-6Al-4 V alloy via laser peening without coating (LPwC)**
SAKLAKOĞLU N., Gencalp Irizalp S., Apaydin C., Ayan K.
OPTICS AND LASER TECHNOLOGY, vol.192, 2025 (SCI-Expanded, Scopus)

III. **In Vitro Comparison of Four Resin Composite Matrix Systems**
Balci M., Sabah G., Kanmaz M. G., Eyici G., AYAN K., SAKLAKOĞLU N.
OPERATIVE DENTISTRY, vol.50, no.6, pp.639-653, 2025 (SCI-Expanded, Scopus)

IV. Ayan K., ASLAN N., MAVI F., POLAT S. C., Apaydın C., Saklakoglu N.
Makina Tasarım ve Imalat Dergisi, no.UTIS 2024 Özel Sayı, pp.66-76, 2025 (TRDizin)

V. **Analysis of the Influence of Process Parameters and Scanning Strategy on Distortion and Porosity in Ti6Al4V Alloy Fabricated via the L-PBF Process**
SAKLAKOĞLU N., İRİZALP S., Ayan K., Apaydın C., Mavi F., Kıraç M.
Russian Journal of Non-Ferrous Metals, vol.66, no.4, pp.165-176, 2025 (SCI-Expanded, Scopus)

VI. **Effects of porosity and microstructure on the fatigue fracture properties of ti6al4v alloy produced through selective laser melting**
İRİZALP S., SAKLAKOĞLU N., Apaydin C., Ayan K.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.138, no.5-6, pp.2573-2589, 2025 (SCI-Expanded, Scopus)

VII. **Effect of thermal post-processing on the mechanical properties and drilling performance of SLS-manufactured PA12 parts**
ASLAN N., Mavi F., Ayan K., Özgöl H., BÜYÜKTAŞ G., SAKLAKOĞLU N.
Machining Science and Technology, vol.29, no.6, pp.884-905, 2025 (SCI-Expanded, Scopus)

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Ti6Al4V Alaşımının SLE Yöntemiyle Üretiminde Lazerle Yeniden Ergitmenin Parçaların Yoğunluğu ve Yüzey Kalitesine Etkileri**
Apaydın C., Ayan K., SAKLAKOĞLU N., İRİZALP S.
8th International Students Science Congress, İzmir, Turkey, 23 May 2024, (Full Text)

Funded Projects

Özmen U., Sever K., Atagür M., Karaoğlu H., Şen İ., Tuna S., Çivi C., AYAN K., Project Supported by Higher Education Institutions, BAP Research Project, Gıda İşleme Atıklarından Farklı Üretim Metotlarıyla Polimer Matrisli Biyokompozit Üretimi ve Karakterizasyonu, 2025 - 2026

Ayan K., Özmen U., Aslan N., Polat S. C., Çivi C., Eyici G., Saklakoğlu N., Project Supported by Higher Education Institutions, BAP Infrastructure, Buğday Sapı Takviyeli Yeşil Kompozitlerin Eklemeli İmalat ve Plastik Enjeksiyon Kalıplama Yöntemleriyle Üretilmesi, Mekanik / Termal Özelliklerinin Karşılaştırılması, 2023 - 2025

Patent

Ayan K., Özmen U., ÜÇ BOYUTLU YAZICILARDA KULLANILMAK ÜZERE BİR ÜÇ BOYUTLU YAZICI MATERYALİ KESME MEKANİZMASI, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: 2025 004126 , Standard Registration, 2026

Metrics

Publication: 8
Citation (WoS): 22
Citation (Scopus): 6
H-Index (WoS): 2
H-Index (Scopus): 1

Non Academic Experience

Company, Manisa Teknokent Teknoloji Transfer Ofisi A.Ş., Manisa Teknokent Teknoloji Transfer Ofisi A.Ş., Technical Centers Coordinator