Res. Asst. PhD KÜRŞAT KANBUR



Personal Information

Office Phone: +90 236 201 2415 Extension: 2415
Email: kursat.kanbur@cbu.edu.tr
Web: https://avesis.mcbu.edu.tr/kursat.kanbur

International Researcher IDs
ScholarID: D8NKiXUAAAAJ
ORCID: 0000-0001-6343-2992
Publons / Web Of Science ResearcherID: AAZ-6051-2021
ScopusID: 57222226413
Yoksis Researcher ID: 228878

Education

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Turkey 2018 - 2025
Postgraduate, Turkey 2015 - 2018
Undergraduate, Yildiz Technical University, Faculty Of Chemıcal And Metallurgıcal Engıneerıng, Turkey 2011 - 2014

Foreign Languages

English

Dissertations

Doctorate, Production and optimization of tungsten oxide - graphene oxide composites for photocatalytic applications, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği Ana Bilim Dalı, 2025
Postgraduate, Ti6Al4V alaşımının HA ile kaplanmasında farklı altlık sıcaklıklarının kaplama özelliklerine etkisi, Manisa Celal Bayar University, 2018

Research Areas

Avesis Research Areas: Metallurgical and Materials Engineering, Engineering and Technology
WoS Research Areas: Metallurgy & Metallurgical Engineering, Materials Science Coatings & Films, Materials Science Characterization & Testing, Engineering Computing & Technology (Eng), Materials Science, Materials Science Biomaterials, Materials Science Composites
Scopus Research Areas: General Materials Science, Materials Science (miscellaneous), Mechanics of Materials

Academic Positions

Research Assistant PhD, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Metalurji Ve Malzeme

Mühendisliği, 2015 - Present

Courses

Undergraduate

Physical Metallurgy, Undergraduate, 2026 - 2027

Tasarım 1, Undergraduate, 2026 - 2027

Articles

I. **Effect of Nitrogen Doping on the Structure and Dye Adsorption Properties of Graphene Oxide**
Kanbur K., Birlik I., Sargin F., Azem N. F. A., Türk A.
Physica Status Solidi (A) Applications and Materials Science, vol.222, no.16, 2025 (SCI-Expanded, Scopus)

II. **Effect of boronizing parameters on mechanical and tribological characteristics of Monel K-500 super alloy**
TÜRKMEN İ., GÜL C., SARGIN F., KANBUR K.
Journal of Alloys and Compounds, vol.1036, 2025 (SCI-Expanded, Scopus)

III. **Tailoring the structure of graphene oxide: investigation the effect of acid intercalation**
Kanbur K., Birlik I., Sargin F., Azem N. F. A., Turk A.
BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN, vol.98, no.5, 2025 (SCI-Expanded, Scopus)

IV. **Comparative study on the thermal and tribological properties of PA12 and PA11 for coating applications**
Başaran S., TÜRKMEN İ., YAĞCI T., KANBUR K., BAŞTÜRK S. B.
Journal of Applied Polymer Science, vol.141, no.45, 2024 (SCI-Expanded, Scopus)

V. **Evaluating the Impact of Sonication Process on Graphene Oxide Structural Properties**
Sargın F., Ak Azem N. F., Kanbur K., Birlik I., Türk A.
Nigde Omer Halisdemir University Journal of Engineering Sciences, vol.13, no.4, pp.1139-1149, 2024 (TRDizin)

VI. **The Role of Water on the Oxidation Process of Graphene Oxide Structures**
Kanbur K., Birlik I., Sargın F., Funda Ak Azem N., Türk A.
Sakarya University Journal of Science, vol.28, no.3, pp.567-578, 2024 (Scopus, TRDizin)

VII. **Failure analysis of copper pipes used in the heat exchangers in fan coil units**
SARGIN F., KANBUR K., TÜRKMEN İ.
Revista de Metalurgia, vol.59, no.2, 2023 (SCI-Expanded, Scopus)

VIII. **Investigation of surface-modified EBM printed Ti-6Al-4V alloys for biomedical applications**
DEMİRCİ S., DİKİCİ T., TÜNÇAY M. M., DALMIŞ R., Kaya N., KANBUR K., SARGIN F., Güllüoğlu A. N.
Surfaces and Interfaces, vol.34, 2022 (SCI-Expanded, Scopus)

IX. **Characteristics of boronized Ti6Al4V alloy using boric acid based boronizing mixture**
TÜRKMEN İ., KANBUR K., SARGIN F.
Materials Characterization, vol.192, 2022 (SCI-Expanded, Scopus)

X. **INVESTIGATION THE EFFECT OF pH VALUE IN GRAPHENE OXIDE PRODUCTION**
Kanbur K., Birlik I., Sargın F., Ak Azem N. F., Türk A.
Euroasia Journal of Mathematics, Engineering, Natural & Medical Sciences, vol.9, no.20, pp.189-197, 2022 (Peer-Reviewed Journal)

XI. **Investigation of in vitro behavior of plasma sprayed Ti, TiO2 and HA coatings on PEEK**
SARGIN F., Erdogan G., KANBUR K., TÜRK A.
Surface and Coatings Technology, vol.411, 2021 (SCI-Expanded, Scopus)

XII. **Mechanical Properties of Acorn and Pine Cone Filled Polymer Composites**
Baştürk S. B., Kanbur K., Polatoğlu İ., Yürekli Y.
vol.14, no.2, pp.144-153, 2015 (Peer-Reviewed Journal)

Books

I. **Investigation of the Effect of Calcination Temperatures on Cerium Oxide (CeO2) Nanofibers Produced by Electrospinning Method**
SARGIN F., KANBUR K., GÜL S., ERGİN M., TÜRK A.
in: Advances in Scientific Research, ÇEVİK MEHMET, Editor, Duvar Publications, İZMİR/KONAK, pp.21-28, 2025

II. **Effects of Different Additives on the Synthesis of Nickel Oxide Nanoparticles by Hydrothermal Method**
SARGIN F., KANBUR K., KESİCİ B., ŞEN S., TÜRK A.
in: Advances in Scientific Research, ÇEVİK MEHMET, Editor, Duvar Publications, İZMİR/KONAK, pp.1-9, 2025

III. **ÜÇ BOYUTLU POLİMERİK DOKU İSKELELERİN ÜRETİM YÖNTEMLERİ VE UYGULAMA ÖRNEKLERİ**
KANBUR K., TÜRKMEN İ., SARGIN F.
in: Mühendislik Alanında Uluslararası Araştırma ve Değerlendirmeler, BARDAK SELAHATTİN, Editor, Serüven Yayınevi, Ankara, pp.255-287, 2023

IV. **SÜPER ALAŞIMLARIN BORLAMA İŞLEMİ İLE YÜZEY ÖZELLİKLERİNİN GELİŞTİRİLMESİ**
TÜRKMEN İ., SARGIN F., KANBUR K.
in: Teori ve Uygulamada Mühendislik Alanında Yaşanan Gelişmeler, TEMİZ MEHMET, Editor, Yaz Yayınları, Afyonkarahisar, pp.327-352, 2023

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Optimization of Oxidation Time During Graphene Oxide Production**
Kanbur K., Birlik I., Sargın F., Ak Azem N. F., Türk A.
7th Internatonal Students Science Congress, İzmir, Turkey, 12 - 13 May 2023, pp.307-312, (Full Text)

II. **EFFECT OF DIFFERENT COOLING RATES ON WEAR AND CORROSION RESISTANCE OF DIN 1.2379 COLD WORK TOOL STEEL**
TÜRKMEN İ., SARGIN F., KANBUR K.
2. INTERNATIONAL BLACK SEA MODERN SCIENTIFIC RESEARCH CONGRESS, Turkey, 21 December 2022, (Full Text)

III. **Investigation of Triton X-100 Use in PVA Nanofiber Production**
Özten A., Sargın F., Kanbur K., Kızılöz A., Türk A.
6 th International Students Science Congress, İzmir, Turkey, 20 May 2022, pp.1-7, (Full Text)

IV. **Investigation of the Effect of Thermal Oxidation Process on Coating Efficiency in Ti6Al4V Samples Coated with Hydroxyapatite (HA) by Electrophoretic Deposition (EPD) Technique**
KIZILÖZ A., KANBUR K., SARGIN F., ÖZTEN A., TÜRK A.
6 th International Students Science Congress, Turkey, 12 - 13 May 2022, (Full Text)

V. **PRODUCTION AND CHARACTERIZATION OF CERIUM OXIDE NANOPARTICLES**
Sargın F., Kanbur K., Türkmen İ., Türk A.
2. INTERNATIONAL BLACK SEA MODERN SCIENTIFIC RESEARCH CONGRESS, Rize, Turkey, 21 - 22 December 2022, pp.767-773, (Full Text)

VI. **Study on Oxidation Performance of Graphene Oxide Structures by Optimization of KMnO4**
SARGIN F., AK AZEM N. F., KANBUR K., BİRLİK I., TÜRK A.
AL FARABI 4 th INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Turkey, 19 - 20 August 2022, (Full Text)

VII. **VARIOUS DRYING METHODS FOR PRODUCING GRAPHENE OXIDE STRUCTURE**
Kanbur K., Birlik I., Sargın F., Ak Azem N. F., Türk A.
HODJA AKHMET YASSAWI 6th International Conference on Scientific Research, Lankaran, Azerbaijan, 13 - 15 May 2022, (Full Text)

VIII. **PRODUCTION AND CHARACTERIZATION OF GRAPHENE OXIDE BY ULTRASOUND-ASSISTED HUMMERS METHOD**
SARGIN F., AK AZEM N. F., KANBUR K., BİRLİK I., TÜRK A.

ÇUKUROVA 8TH INTERNATIONAL SCIENTIFIC RESEARCHES CONFERENCE, Turkey, 15 - 17 April 2022, (Full Text)

IX. **OPTIMIZATION OF PRODUCTION PARAMETERS OF VN THIN FILMS USING DIFFERENTIAL EVALUATION AND NELDER-MEAD ALGORITHMS**
KANBUR K., SARGIN F., ÖZTÜRK S.
IV. Uluslararası Bilimsel ve Mesleki Çalışmalar Kongresi, Ankara, Turkey, 7 - 10 November 2019, pp.521-525, (Full Text)

X. **OPTIMIZATION OF PLASMA SPRAY PARAMETERS OF AL2O3-TIO2 COATINGS USING DIFFERENTIAL EVOLUTION ALGORITHM**
SARGIN F., KANBUR K., ÖZTÜRK S.
IV. Uluslararası Bilimsel ve Mesleki Çalışmalar Kongresi, Ankara, Turkey, 7 - 10 November 2019, pp.516-520, (Full Text)

XI. **EFFECT OF PRODUCTION PARAMETERS OF WC-COCR COATINGS WITH HVOF SYSTEM**
SARGIN F., KANBUR K., ÖZTÜRK S.
IV. Uluslararası Bilimsel ve Mesleki Çalışmalar Kongresi, Ankara, Turkey, 7 - 10 November 2019, pp.411-415, (Full Text)

XII. **EFFECT OF HEAT TREATMENT ON MG-DOPED HYDROXYAPATITE POWDERS**
SARGIN F., KANBUR K., TÜRK A.
V. INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCE (ICENS), 12 - 16 June 2019

XIII. **The Effect of Boric Acid Addition on Physical Properties of Traditional Sanitaryware Ceramics**
AKDEMİR B. Ş., TÜRKMEN İ., SARGIN F., KANBUR K., YALAMAÇ E.
V. International Multidisciplinary Congress of EURASIA (IMCOFE 2018), Barcelona, Spain, 24 - 26 July 2018, pp.43, (Summary Text)

XIV. **In Vitro Biodegredation of ion Substituted Hydroxyapatıie Powders**
KANBUR K., SARGIN F., TÜRKMEN İ., AKDEMİR YILMAZ B. Ş., TÜRK A.
3rd International Conference on Engineering Technology and Applied Sciences (ICETAS 2018), Skopje, Macedonia, 17 - 21 July 2018, pp.190, (Summary Text)

XV. **Synthesis of the Ag and Cu Doped Hydroxyapatite**
SARGIN F., TÜRK A., KANBUR K., AKDEMİR YILMAZ B. Ş., TÜRKMEN İ.
3rd International Conference on Engineering Technology and Applied Sciences (ICETAS 2018), Skopje, Macedonia, 17 - 21 July 2018, pp.198, (Summary Text)

XVI. **Effects of Different Parameters on Adhesion Degree of Splats in Flame and Plasma Spray Coatings**
KANBUR K., ERDOĞAN G., TÜRK A.
3rd International Conference on Engineering Technology and Aplied Sciences (ICETAS 2018), 17 - 21 July 2018, (Summary Text)

XVII. **Effect of the Different Substrate Temperature on the Dissolution Behavior in Hydroxyapatite Coated Ti6Al4V Alloys**
KANBUR K., ERDOĞAN G., TÜRK A.
The Second International Biomedical Engineering Congress (IBMEC 2018), 24 - 27 May 2018, (Summary Text)

XVIII. **GRAPHENE AND MULTI WALLED CARBON NANOTUBE CONTAINING POLYCAPROLACTONE POROUS SCAFFOLDS FOR TISSUE ENGINEERING APPLICATIONS**
KANBUR K., DELİORMANLI A. M.
16. Uluslararası Malzeme Sempozyumu, 12 - 14 October 2016, pp.830-836, (Full Text)

Funded Projects

Kanbur K., Çulha O., Kocaer B., Kilerci İ., Aktaş H., Project Supported by Higher Education Institutions, BAP Other, Farklı Üretim Teknikleri ile Sentezlenen Grafen/MnO2/İletken Nanofiber Kompozit Yapıların Üretilmesi ve Hibrit Süperkapasitör Uygulamaları için Elektrokimyasal Performansının Araştırılması, 2026 - 2028

TÜRK A., KANBUR K., ERGİN M., GÜL S., SARGIN F., Project Supported by Higher Education Institutions, BAP Other, Elektrospin Yöntemiyle Metal Oksit Nanoyapıların Üretilmesi ve Fotokatalitik Özelliklerinin İncelenmesi, 2024 - 2026

EROL E., KANBUR K., KESİCİ B., Project Supported by Higher Education Institutions, BAP Other, Geri Dönüştürülmüş Camlardan Katı Hal Aydınlatma Teknolojisinde Kullanılmak Üzere Lüminesans Cam Üretimi, 2024 - 2025
TÜRK A., KANBUR K., TATAR S., AKYOL Y., Project Supported by Higher Education Institutions, BAP Other, Hidrotermal Yöntemle Wo3 Nanomalzemelerinin Üretilmesi ve Karakterizasyonu, 2022 - 2024
TÜRK A., SARGIN F., KANBUR K., Project Supported by Higher Education Institutions, BAP Other, Hidrotermal Yöntem Kullanılarak Bor Katkılı İndirgenmiş Grafen Oksit Üretimi ve Karakterizasyonu, 2022 - 2023
TÜRK A., KANBUR K., KIZILÖZ A., SARGIN F., Project Supported by Higher Education Institutions, BAP Research Project, Ti6al4v İmplantlarda Farklı Yüzey Modifikasyonlarının Epd Yöntemi İle Üretilen Ag Katkılı Hidroksiapatit Kaplamalara Etkisi, 2021 - 2024
TÜRK A., EROĞLU E., KANBUR K., SARGIN F., AK AZEM N. F., BİRLİK I., ÖZTEN A., Project Supported by Higher Education Institutions, BAP Research Project, Metal Oksit Esaslı Nanofiberlerin Katkılandırılarak Antibakteriyel Özelliklerinin Geliştirilmesi, 2021 - 2024
TÜRK A., TÜRKMEN İ., EROĞLU E., KANBUR K., SARGIN F., Project Supported by Higher Education Institutions, BAP Research Project, Elektroforetik Biriktirme Yöntemi İle Moo3 Kaplamaların Üretilmesi, Karakterizasyonu, Antibakteriyel ve In Vitro Özelliklerinin İncelenmesi, 2020 - 2023
TÜRK A., KANBUR K., BİRLİK I., AK AZEM N. F., SARGIN F., Project Supported by Higher Education Institutions, BAP Research Project, Katkılanmış Grafen Oksit Nanofiber Üretimi ve Karakterizasyonu, 2020 - 2023
EROĞLU E., TÜRKMEN İ., SARGIN F., KANBUR K., TÜRK A., Elektroforetik Biriktirme Yöntemi İle Moo3 Kaplamaların Üretilmesi, Karakterizasyonu, Antibakteriyel ve In Vitro Özelliklerinin İncelenmesi, 2020 - 2022
SARGIN F., KANBUR K., TÜRKMEN İ., Ti6Al4V Alaşımının Alternatif Borlama Bileşimleriyle Borlanması ve Karakterizasyonu, 2019 - 2021
TÜRKMEN İ., KANBUR K., SARGIN F., Project Supported by Higher Education Institutions, BAP Research Project, Ti6al4v Alaşımının Alternatif Borlama Bileşimleriyle Borlanması ve Karakterizasyonu, 2019 - 2021
Deliormanlı A. M., TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Osteokondral Eklem Defektlerinin Onarımı Ve Rejenerasyonunda Kullanılmak Üzere Grafen İçeren Spongiyöz Ve Periodik Biyopolimer- Biyoaktif Cam Kompozit Skafoldların Ve İletken Dolgu Macunlarının Üretimi Ve İn Vitro Karakterizasyonu, 2016 - 2017

Metrics

Publication: 34
Citation (WoS): 83
H-Index (WoS): 4