

## **Assoc. Prof. SERKAN BIYIK**

### **Personal Information**

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### **International Researcher IDs**

ScholarID: dAQmDI0AAAAJ

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Publons / Web Of Science ResearcherID: AAX-2738-2020

ScopusID: 56180494600

Yoksis Researcher ID: 151246

### **Education Information**

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey 2008 - 2015

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği, Turkey 2005 - 2008

Undergraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey 2001 - 2005

### **Foreign Languages**

English, B2 Upper Intermediate

### **Dissertations**

Doctorate, TiO<sub>2</sub> Takviyesi İçeren AgSnO<sub>2</sub> Esaslı Elektrik Kontak Malzemelerinin Toz Metalurjisi Yöntemiyle Üretimi ve Ark-Erozyon Davranışlarının İncelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, 2015

Postgraduate, Toz Metalurjisi Yöntemiyle Gümüş-Bor Oksit Esaslı Kontak Malzemesi Üretimi ve Özelliklerinin İncelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği, 2008

### **Research Areas**

Mechanical Engineering, Construction and Manufacturing, Tribology, Metallurgical and Materials Engineering, Material science and engineering, Composites, Material Characterization, Production Metallurgy, Powder Metallurgy, Engineering and Technology

### **Academic Titles / Tasks**

Associate Professor, Karadeniz Technical University, Abdullah Kanca Meslek Yüksekokulu, Makine ve Metal Teknolojileri, 2020 - Continues

Assistant Professor, Karadeniz Technical University, Abdullah Kanca Meslek Yüksekokulu, Makine ve Metal Teknolojileri,

2018 - Continues

Assistant Professor, Karadeniz Technical University, Abdullah Kanca Meslek Yüksekokulu, Makine ve Metal Teknolojileri, 2016 - 2018

Research Assistant, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği, 2007 - 2014

## Academic and Administrative Experience

Karadeniz Technical University, Abdullah Kanca Meslek Yüksekokulu, Makine ve Metal Teknolojileri, 2017 - Continues

## Courses

İmalat İşlemleri - I, Associate Degree, 2016 - 2017, 2015 - 2016

İmalat İşlemleri - II, Associate Degree, 2016 - 2017, 2015 - 2016

Temel İmalat İşlemleri, Associate Degree, 2016 - 2017

İmalat İşlemleri - I, Associate Degree, 2016 - 2017

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

- I. **Effect of Y2O3 addition and milling time on the synthesis of nanocrystalline Ag-ZnO composite powder via mechanical alloying**  
BIYIK S.  
JOURNAL OF RADIATION RESEARCH AND APPLIED SCIENCES, no.2, 2024 (SCI-Expanded)
- II. **The wear and arc erosion behavior of novel copper based functionally graded electrical contact materials fabricated by hot pressing assisted electroless plating**  
GÜLER O., VAROL T., ALVER Ü., BIYIK S.  
Advanced Powder Technology, vol.32, pp.2873-2890, 2021 (SCI-Expanded)
- III. **Effect of Cubic and Hexagonal Boron Nitride Additions on the Synthesis of Ag-SnO<sub>2</sub> Electrical Contact Material**  
BIYIK S.  
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, vol.14, no.7, pp.1010-1015, 2019 (SCI-Expanded)
- IV. **Influence of Type of Process Control Agent on the Synthesis of Ag<sub>8</sub>ZnO Composite Powder**  
Biyik S.  
ACTA PHYSICA POLONICA A, vol.135, no.4, pp.778-781, 2019 (SCI-Expanded)
- V. **Effect of Polyethylene Glycol on the Mechanical Alloying Behavior of Cu-W Electrical Contact Material**  
Biyik S.  
ACTA PHYSICA POLONICA A, vol.134, no.1, pp.208-212, 2018 (SCI-Expanded)
- VI. **Optimization of Mechanical Alloying Parameters of Cu<sub>25</sub>W Electrical Contact Material**  
BIYIK S., AYDIN M.  
ACTA PHYSICA POLONICA A, vol.132, no.3, pp.909-912, 2017 (SCI-Expanded)
- VII. **Characterization of Nanocrystalline Cu<sub>25</sub>Mo Electrical Contact Material Synthesized via Ball Milling**  
Biyik S.  
ACTA PHYSICA POLONICA A, vol.132, no.3, pp.886-888, 2017 (SCI-Expanded)
- VIII. **Fabrication and Arc-Erosion Behavior of Ag<sub>8</sub>SnO(2) Electrical Contact Materials under Inductive Loads**  
BIYIK S., AYDIN M.  
ACTA PHYSICA POLONICA A, vol.131, no.3, pp.339-342, 2017 (SCI-Expanded)

- IX. **Investigation of the Effect of Different Current Loads on the Arc-Erosion Performance of Electrical Contacts**  
BIYIK S., AYDIN M.  
ACTA PHYSICA POLONICA A, vol.129, no.4, pp.656-660, 2016 (SCI-Expanded)
- X. **The Effect of Milling Speed on Particle Size and Morphology of Cu25W Composite Powder**  
Biyik S., Aydin M.  
ACTA PHYSICA POLONICA A, vol.127, no.4, pp.1255-1260, 2015 (SCI-Expanded)
- XI. **Arc-Erosion Behavior of Boric Oxide-Reinforced Silver-Based Electrical Contact Materials Produced by Mechanical Alloying**  
BIYIK S., Arslan F., AYDIN M.  
JOURNAL OF ELECTRONIC MATERIALS, vol.44, no.1, pp.457-466, 2015 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Influence of Polyethylene Glycol and Methanol Additions on the Properties of Ball-Milled Cu4B4C Composite Powders**  
BIYIK S.  
International Journal of Computational and Experimental Science and Engineering (IJCESEN), vol.10, no.3, 2024 (Peer-Reviewed Journal)
- II. **Cu25W Kompozit Tozunun Bilyeli Öğütme Yöntemiyle Üretimine Farklı İşlem Kontrol Katkılarının Etkisinin İncelenmesi**  
BIYIK S.  
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.9, no.2, pp.222-228, 2019 (Peer-Reviewed Journal)
- III. **Effect of Reinforcement Ratio on Physical and Mechanical Properties of Cu-W Composites Synthesized by Ball Milling**  
BIYIK S.  
MATERIALS FOCUS, vol.7, no.4, pp.535-541, 2018 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis and Characterization of Y2O3-doped Nanocrystalline Ag-ZnO Electrical Contact Material via Ball Milling**  
BIYIK S.  
10th International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 27 - 30 October 2023, pp.158
- II. **Effect of Matrix Particle Size on the Mechanical Alloying Behavior of Tungsten Carbide Reinforced Copper Based Composite Powder**  
BIYIK S.  
10th International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 27 - 30 October 2023, pp.35-40
- III. **Influence of Type of Process Control Agent on the Synthesis of Ag8ZnO Composite Powder**  
BIYIK S.  
8th The International Advances in Applied Physics and Materials Science Congress & Exhibition, Muğla, Turkey, 24 - 30 April 2018, pp.105
- IV. **Influence of Refractory Metal Additions on the Synthesis of Cu-Based Composite Powders**  
Biyik S.  
Chemistry Conference for Young Scientists (ChemCYS), Bruges, Belgium, 21 - 23 February 2018, pp.221
- V. **Effect of Reinforcement Ratio on Physical and Mechanical Properties of Cu-W Composites Synthesized by Ball Milling**

BIYIK S.

4th International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 4 - 08 October 2017, pp.624

**VI. Effect of Cubic and Hexagonal Boron Nitride Additions on the Synthesis of Ag-SnO<sub>2</sub> Electrical Contact Material**

BIYIK S.

4th International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 4 - 08 October 2017, pp.623

**VII. Effect of Type of Process Control Agent on the Synthesis and Characterization of Cu<sub>25</sub>W Composite Powder**

BIYIK S.

9th International Conference on Porous Media & Annual Meeting, Rotterdam, Netherlands, 8 - 11 May 2017, pp.48

**VIII. Investigation of Particle Size Effect on the Synthesis of W-Reinforced Cu-Based Composite Powder**

Biyik S.

9th International Conference on Porous Media & Annual Meeting, Rotterdam, Netherlands, 8 - 11 May 2017, pp.55

**IX. Effect of Polyethylene Glycol on the Synthesis of Cu<sub>25</sub>W Electrical Contact Material**

BIYIK S.

7th The International Advances in Applied Physics and Materials Science Congress & Exhibition, Muğla, Turkey, 22 - 26 April 2017, pp.89

**X. Synthesis and Characterization of Nanocrystalline Cu<sub>25</sub>Mo Electrical Contact Material via Ball Milling**

BIYIK S.

3rd International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 19 - 24 October 2016, pp.474

**XI. Optimization of Mechanical Alloying Parameters in Cu<sub>25</sub>W Electrical Contact Material**

BIYIK S., AYDIN M.

3rd International Conference on Computational and Experimental Science and Engineering, Antalya, Turkey, 19 - 24 October 2016, pp.475

**XII. Effect of TiO<sub>2</sub> on Physical and Mechanical Properties of Electrical Contact Materials**

Biyik S., Aydın M.

15th European Mechanics of Materials Conference, Brussels, Belgium, 7 - 09 September 2016, pp.459

**XIII. Fabrication and Arc-Erosion Behavior of Ag<sub>8</sub>SnO<sub>2</sub> Electrical Contact Materials under Inductive Loads**

BIYIK S., AYDIN M.

6th The International Advances in Applied Physics and Materials Science Congress & Exhibition, İstanbul, Turkey, 1 - 03 June 2016, pp.128

**XIV. Effect of TiO<sub>2</sub> Dopant on Particle Size and Morphology of Ag<sub>8</sub>SnO<sub>2</sub> Composite Powder**

Biyik S., Aydın M.

International Porous and Powder Materials Symposium and Exhibition, İzmir, Turkey, 15 - 18 September 2015, pp.170-175

**XV. Influence of Sintering Temperature on Physical and Mechanical Properties of Ag<sub>8</sub>SnO<sub>2</sub> Electrical Contact Material**

Biyik S., Aydın M.

International Porous and Powder Materials Symposium and Exhibition, İzmir, Turkey, 15 - 18 September 2015, pp.164-169

**XVI. Investigation of the Effect of Different Current Loads on the Arc Erosion Performance of Electrical Contacts Using New Life Test Equipment**

Biyik S., Aydın M.

5th The International Advances in Applied Physics and Materials Science Congress & Exhibition, Muğla, Turkey, 16 - 19 April 2015, pp.323

**XVII. The Effect of Ball to Powder Weight Ratio on Particle Size and Morphology of Cu<sub>25</sub>W Composite Powder**

- Bıyık S., Aydın M.  
7th International Powder Metallurgy Conference & Exhibition, Ankara, Turkey, 24 - 28 June 2014, pp.76-77
- XVIII. **The effect of the amount of process control agent on the properties of Cu25W composite powder**  
Bıyık S., Aydın M.  
International Conference on High Performance and Optimum Design of Structures and Materials, HPSM/OPTI 2014, Ostend, Belgium, 9 - 11 June 2014, vol.137, pp.189-200
- XIX. **The Effect of Milling Speed on Particle Size and Morphology of Cu25W Composite Powder**  
Bıyık S., Aydın M.  
4th The International Advances in Applied Physics and Materials Science Congress & Exhibition, Muğla, Turkey, 24 - 27 April 2014, pp.981
- XX. **A new life test equipment designed for medium duty electromagnetic contactors**  
Bıyık S., Aydın M.  
IEEE 15th International Conference on Thermal, Mechanical and Multi-Physics Simulation and Experiments in Microelectronics and Microsystems (EurosimE), Ghent, Belgium, 7 - 09 April 2014, pp.1-7
- XXI. **Investigation of the Compaction Behaviour of Ag8ZnO Composite Produced by Mechanical Alloying**  
Bıyık S., Aydın M.  
International Porous and Powder Materials Symposium and Exhibition, İzmir, Turkey, 3 - 06 September 2013, pp.145-149
- XXII. **Toz Metalurjisi Yöntemiyle Gümüş-Bor Oksit Esaslı Elektrik Kontak Malzemelerinin Üretimi ve Özelliklerinin İncelenmesi**  
Bıyık S.  
METALİK FİKİRLER 1. Ar-Ge Proje Pazarı, İstanbul, Turkey, 31 October 2012, pp.150
- XXIII. **Investigation of Properties of Silver - Boric Oxide Based Contact Materials Produced by Powder Metallurgy**  
Bıyık S., ARSLAN F.  
6th International Powder Metallurgy Conference & Exhibition, Ankara, Turkey, 5 - 09 October 2011, pp.671-678

## Supported Projects

Aydın M., Bıyık S., Project Supported by Higher Education Institutions, Metal Oksit Esaslı Kontak Malzemesi Üretimi ve Özelliklerinin İncelenmesi, 2011 - 2014

## Scientific Refereeing

IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, Journal Indexed in SCI-E, November 2024  
VACUUM, Journal Indexed in SCI-E, November 2024  
ADVANCED ENGINEERING MATERIALS, Journal Indexed in SCI-E, October 2024  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, October 2024  
APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, Journal Indexed in SCI-E, October 2024  
BOR DERGİSİ, National Scientific Refreed Journal, October 2024  
INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY, Journal Indexed in SCI-E, October 2024  
BOR DERGİSİ, National Scientific Refreed Journal, October 2024  
APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, Journal Indexed in SCI-E, September 2024  
APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, Journal Indexed in SCI-E, August 2024  
APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, Journal Indexed in SCI-E, August 2024  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, August 2024  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, August 2024  
Matéria (Rio de Janeiro), Journal Indexed in SCI-E, August 2024  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, July 2024

JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, June 2024  
VACUUM, Journal Indexed in SCI-E, June 2024  
BOR DERGİSİ, National Scientific Refreed Journal, June 2024  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, June 2024  
Project Supported by Higher Education Institutions, BAP Other, Karadeniz Technical University, Turkey, May 2024  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, April 2024  
APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, Journal Indexed in SCI-E, April 2024  
VACUUM, Journal Indexed in SCI-E, March 2024  
COMPOSITES AND ADVANCED MATERIALS, Journal Indexed in SCI-E, March 2024  
APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, Journal Indexed in SCI-E, February 2024  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, February 2024  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, February 2024  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, February 2024  
APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, Journal Indexed in SCI-E, February 2024  
BOR DERGİSİ, National Scientific Refreed Journal, February 2024  
MICRO AND NANO LETTERS, Journal Indexed in SCI-E, January 2024  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, January 2024  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, January 2024  
IEEE TRANSACTIONS ON COMPONENTS, PACKAGING AND MANUFACTURING TECHNOLOGY, Journal Indexed in SCI-E, January 2024  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, December 2023  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, December 2023  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, December 2023  
MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW, Journal Indexed in SCI-E, December 2023  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, November 2023  
APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, Journal Indexed in SCI-E, November 2023  
APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, Journal Indexed in SCI-E, October 2023  
APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, Journal Indexed in SCI-E, October 2023  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, October 2023  
CASE STUDIES IN CONSTRUCTION MATERIALS, Journal Indexed in SCI-E, September 2023  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, August 2023  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, August 2023  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, August 2023  
APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, Journal Indexed in SCI-E, July 2023  
APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, Journal Indexed in SCI-E, July 2023  
Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), National Scientific Refreed Journal, July 2023  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, July 2023  
IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, Journal Indexed in SCI-E, July 2023  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, July 2023  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, July 2023  
APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, Journal Indexed in SCI-E, June 2023  
MICRO AND NANO LETTERS, Journal Indexed in SCI-E, June 2023  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, May 2023  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, May 2023  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, May 2023  
DIAMOND AND RELATED MATERIALS, Journal Indexed in SCI-E, May 2023  
DIAMOND AND RELATED MATERIALS, Journal Indexed in SCI-E, May 2023  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, April 2023  
APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, Journal Indexed in SCI-E, April 2023  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, April 2023  
VACUUM, Journal Indexed in SCI-E, April 2023

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 JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, March 2023  
 DIAMOND AND RELATED MATERIALS, Journal Indexed in SCI-E, March 2023  
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 APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, Journal Indexed in SCI-E, March 2023  
 BOR DERGİSİ, National Scientific Refreed Journal, March 2023  
 JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, March 2023  
 MICRO AND NANO LETTERS, Journal Indexed in SCI-E, March 2023  
 JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, February 2023  
 JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, January 2023  
 ADVANCES IN CIVIL ENGINEERING, Journal Indexed in SCI-E, January 2023  
 JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, January 2023  
 TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA (ENGLISH EDITION), Journal Indexed in SCI-E, December 2022  
 JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, December 2022  
 JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, December 2022  
 JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, December 2022  
 APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, Journal Indexed in SCI-E, November 2022  
 JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, November 2022  
 JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, Journal Indexed in SCI-E, November 2022  
 NANOTECHNOLOGY REVIEWS, Journal Indexed in SCI-E, October 2022  
 APPLIED PHYSICS A: MATERIALS SCIENCE AND PROCESSING, Journal Indexed in SCI-E, September 2022  
 BOR DERGİSİ, National Scientific Refreed Journal, September 2022  
 APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, Journal Indexed in SCI-E, August 2022  
 APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, Journal Indexed in SCI-E, May 2022  
 APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, Journal Indexed in SCI-E, April 2022  
 APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, Journal Indexed in SCI-E, March 2022  
 APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, Journal Indexed in SCI-E, January 2022  
 APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, Journal Indexed in SCI-E, January 2022  
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 APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, Journal Indexed in SCI-E, September 2021  
 APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, Journal Indexed in SCI-E, August 2021  
 APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, Journal Indexed in SCI-E, August 2021  
 APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, Journal Indexed in SCI-E, July 2021  
 JOURNAL OF CENTRAL SOUTH UNIVERSITY, Journal Indexed in SCI-E, May 2021  
 APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, Journal Indexed in SCI-E, April 2021  
 APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, Journal Indexed in SCI-E, March 2021  
 SENSORS AND ACTUATORS A-PHYSICAL, Journal Indexed in SCI-E, March 2021  
 INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY, Journal Indexed in SCI-E, January 2021  
 Journal of Mechanical Engineering and Sciences, Journal Indexed in ESCI, December 2020  
 Project Supported by Higher Education Institutions, BAP Research Project, Recep Tayyip Erdogan University, Turkey, November 2020  
 TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, Journal Indexed in SCI-E, August 2020  
 DIAMOND AND RELATED MATERIALS, Journal Indexed in SCI-E, August 2020  
 Fullerenes, Nanotubes and Carbon Nanostructures, SCI Journal, March 2020  
 ACTA Materialia Turcica, Other Indexed Journal, March 2020  
 Vacuum, SCI Journal, March 2020

ACTA Materialia Turcica, Other Indexed Journal, March 2020  
Transactions of Nonferrous Metals Society of China, SCI Journal, February 2020  
Journal of Alloys and Compounds, SCI Journal, February 2020  
Vacuum, SCI Journal, February 2020  
Fırat Üniversitesi Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, February 2020  
ACTA Materialia Turcica, Other Indexed Journal, February 2020  
Desalination and Water Treatment, SCI Journal, June 2019  
Vacuum, SCI Journal, February 2019  
ACTA Materialia Turcica, Other Indexed Journal, December 2018  
Journal of Mechanical Engineering and Sciences, Other Indexed Journal, December 2018  
Journal of Mechanical Engineering and Sciences, Other Indexed Journal, November 2018  
ACTA Physica Polonica A, SCI Journal, October 2018  
Vacuum, SCI Journal, October 2018  
ACTA Physica Polonica A, SCI Journal, October 2018  
ACTA Materialia Turcica, Other Indexed Journal, September 2018  
Transactions of Nonferrous Metals Society of China, SCI Journal, September 2018  
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, June 2018  
ACTA Physica Polonica A, SCI Journal, December 2017  
ACTA Materialia Turcica, Other Indexed Journal, July 2017  
Karadeniz Fen Bilimleri Dergisi, National Scientific Refreed Journal, May 2017  
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, April 2017  
Vacuum, SCI Journal, February 2017  
Vacuum, SCI Journal, October 2016  
Transactions of Nonferrous Metals Society of China, SCI Journal, January 2016  
ACTA Physica Polonica A, SCI Journal, November 2015  
Transactions of Nonferrous Metals Society of China, SCI Journal, June 2015

## Tasks In Event Organizations

Bıyık S., 3rd International Conference on Advanced Engineering Technologies (ICADET 2019), Scientific Congress, Bayburt, Turkey, Eylül 2019  
Bıyık S., 2nd International Conference on Advanced Engineering Technologies (ICADET 2017), Scientific Congress, Bayburt, Turkey, Eylül 2017

## Metrics

Publication: 37  
Citation (WoS): 577  
H-Index (WoS): 11

## Congress and Symposium Activities

10th International Conference on Computational and Experimental Science and Engineering, Attendee, Antalya, Turkey, 2023  
8th The International Advances in Applied Physics and Materials Science Congress & Exhibition, Attendee, Muğla, Turkey, 2018  
Chemistry Conference for Young Scientists (ChemCYS), Attendee, Bruges, Belgium, 2018  
4th International Conference on Computational and Experimental Science and Engineering, Attendee, Antalya, Turkey,



2017

9th International Conference on Porous Media & Annual Meeting, Attendee, Rotterdam, Netherlands, 2017

7th The International Advances in Applied Physics and Materials Science Congress & Exhibition, Attendee, Muğla, Turkey, 2017

3rd International Conference on Computational and Experimental Science and Engineering, Attendee, Antalya, Turkey, 2016

15th European Mechanics of Materials Conference, Attendee, Brussel, Belgium, 2016

6th The International Advances in Applied Physics and Materials Science Congress & Exhibition, Attendee, İstanbul, Turkey, 2016

International Porous and Powder Materials Symposium and Exhibition, Attendee, İzmir, Turkey, 2015

5th The International Advances in Applied Physics and Materials Science Congress & Exhibition, Attendee, Muğla, Turkey, 2015

International Conference on High Performance and Optimum Design of Structures and Materials (HPSM/OPTI), Attendee, Oostende, Belgium, 2014

7th International Powder Metallurgy Conference & Exhibition, Attendee, Ankara, Turkey, 2014

4th The International Advances in Applied Physics and Materials Science Congress & Exhibition, Attendee, Muğla, Turkey, 2014

IEEE 15th International Conference on Thermal, Mechanical and Multi-Physics Simulation and Experiments in Microelectronics and Microsystems (EurosimE), Attendee, Gent, Belgium, 2014

International Porous and Powder Materials Symposium and Exhibition, Attendee, İzmir, Turkey, 2013

METALİK FİKİRLER 1. Ar-Ge Proje Pazarı, Attendee, İstanbul, Turkey, 2012

6th International Powder Metallurgy Conference & Exhibition, Attendee, Ankara, Turkey, 2011

## Scholarships

ERASMUS Öğrenci Değişim Programı Bursu (Ghent University-BELGIUM), University, 2004 - Continues