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## Education Information

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2017 - 2020

Undergraduate, Dokuz Eylul University, Faculty Of Engineering, Department Of Metallurgical And Materials Engineering, Turkey 2012 - 2017

## Research Areas

Metallurgical and Materials Engineering, Engineering and Technology

## Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2019 - Continues

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

- I. **Effect of low-temperature nitriding on impact-sliding wear behavior of an austenitic stainless steel at room and sub-zero temperatures**  
Gumuslu T., Kaba M., Atar E., Çimenoğlu H.  
TRIBOLOGY INTERNATIONAL, vol.185, pp.108560, 2023 (SCI-Expanded)
- II. **Elevated Temperature Wear Behavior of AZ91 Magnesium Alloy After Micro-Arc Oxidation in Single and Dual Phase Electrolytes**  
Selvi E., Kaba M., Muhaffel F., Vanlı A. S., Baydoğan M.  
JOURNAL OF TRIBOLOGY, vol.145, no.7, pp.71701, 2023 (SCI-Expanded)
- III. **Oxidation of a refractory high entropy alloy (RHEA) at moderate temperatures for wear related applications**  
Alphan Y., Kaba M., Motallebzadeh A., Çimenoğlu H.  
International Journal of Refractory Metals and Hard Materials, vol.113, 2023 (SCI-Expanded)
- IV. **First principles calculations and synthesis of multi-phase (HfTiWZr)B<sub>2</sub> high entropy diboride ceramics: Microstructural, mechanical and thermal characterization**  
Kavak S., Bayrak K. G., Mansoor M., Kaba M., Ayas E., Balcı-Çağırın Ö., Derin C. B., Öveçoğlu M. L., Ağaoğulları D.  
Journal of the European Ceramic Society, vol.43, no.3, pp.768-782, 2023 (SCI-Expanded)

- V. **Surface degradation of nitrided hot work tool steels under repeated impact-sliding contacts: Effect of compound layer**  
Kaba M., Altay M., Akyildiz E., Muhaffel F., Ozkurt S., Atar E., Baydoğan M., Çimenoglu H.  
Wear, vol.498-499, 2022 (SCI-Expanded)
- VI. **Thermal oxidation of a porous Ti-23Nb alloy for wear related biomedical applications: Effect of oxidation duration**  
Ibrahim M. K., Kaba M., Muhaffel F., Ağaoğulları D., Çimenoglu H.  
SURFACE & COATINGS TECHNOLOGY, vol.439, 2022 (SCI-Expanded)
- VII. **Spark plasma sintering of molybdenum silicides synthesized from oxide precursors**  
Ovali D., Tarraste M., Kaba M., Ağaoğulları D., Kollo L., Prashanth K. G., Öveçoğlu M. L.  
CERAMICS INTERNATIONAL, vol.47, no.10, pp.13827-13836, 2021 (SCI-Expanded)
- VIII. **Influence of alumina and zirconia incorporations on the structure and wear resistance of titania-based MAO coatings**  
Muhaffel F., Kaba M., Cenipura G., Derin B., Kruk A., Atar E., Çimenoglu H.  
Surface and Coatings Technology, vol.377, 2019 (SCI-Expanded)
- IX. **AlSi5Mg0.3 ALLOY FOR THE MANUFACTURE OF AUTOMOTIVE WHEELS**  
Kaba M., Donmez A., Cukur A., Kurban A. F., Birol Y., Cubuklusu H. E.  
INTERNATIONAL JOURNAL OF METALCASTING, vol.12, no.3, pp.614-624, 2018 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Effect of testing temperature on the impact-sliding wear behaviour of a 316L austenitic stainless steel**  
Gumuslu T., Kaba M., Atar E., Çimenoglu H.  
Materials Today: Proceedings, vol.81, pp.81-86, 2023 (Scopus)
- II. **An Investigation on the Longitudinal Cracking of Electric Resistance Welded Steel Pipes**  
Kaba M., Altay M., Çimenoglu H.  
JOURNAL OF FAILURE ANALYSIS AND PREVENTION, vol.20, no.3, pp.657-662, 2020 (ESCI)

### Refereed Congress / Symposium Publications in Proceedings

- I. **HIGH TEMPERATURE WEAR BEHAVIOR OF HOT-DIP ALIMINIZED INCONEL 718**  
Kavukcu A., Kaba M., Muhaffel F., Baydoğan M.  
31st International Conference on Metallurgy and Materials, METAL 2022, Brno, Czech Republic, 18 - 19 May 2022, pp.493-499
- II. **Production Of Al<sub>2</sub>Ce Intermetallic Reinforced Al Matrix Composites And Investigation Of Wear Performance**  
CENGİZ S., KABA M., ÇETİNER D., ÇİMENOĞLU H.  
The Internatinonal Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, 21 - 23 June 2019
- III. **Influence of Nitriding on Impact Sliding Wear Behaviour of AISI H13 Tool Steel**  
Aydın B., Baş B., Kaba M., Altay M., Muhaffel F., Inan U., Seçkin Ö., Atar E., Çimenoglu H.  
UDCS'19 Fourth International Iron and Steel Symposium, Karabük, Turkey, 4 - 06 April 2019, pp.457-460
- IV. **Improving Wear Resistance of We43 Magnesium Alloy by Combination of Cold Spray and Micro Arc Oxidation Techniques**  
Kaba M., Muhaffel F., Malayoğlu U., Çimenoglu H.  
The International Conference on Materials Science, Machine and Automotive Engineerings and Technology, İzmir, Turkey, 10 - 12 April 2018, pp.573

## **Metrics**

Publication: 24

Citation (WoS): 36

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H-Index (WoS): 2

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