

Prof. Dr. HÜSEYİN ÇİMENOĞLU

QUALIFICATIONS

BSc: Mechanical Engineering – Yildiz Technical University, (1981)

MSc: Metallurgical Engineering – Istanbul Technical University, (1984)

PhD: Materials Engineering – Istanbul Technical University, (1989)

AWARDS

1984 - Turkish Scientific and Technologic Research Center (TUBITAK) Scholarship (for graduate study)

1988 - Vehbi Koc Foundation Scholarship (assistant grant).

1989 - Japan International Cooperation Agency Scholarship, (for Welding Technology Course at Nagoya Training Centre)

2001 - TUBITAK and Royal Society UK Scholarship, (for research at Leeds University).

AREAS OF INTEREST

Mechanical Metallurgy, Physical Metallurgy, Welding Metallurgy, Tribology, Metal Forming Processes, Failure Analysis, Biometals Metal Matrix Composites, Metals and Alloys, Heat Treatment and Surface Hardening Processes

EDITORIAL BOARD MEMBERSHIP

Advances in Tribology, The Open Mechanical Engineering Journal, Journal of Engineering Science and Technology,

REFEREEING

Materials Science and Engineering A, Materials Science and Engineering C, Wear, Tribology International, Biomaterials, Journal of Biomedical Research, Surface and Coatings Technology, Materials Letters Blue, Materials Chemistry and Physics, Journal of Alloys and Compounds, The Open Mechanical Engineering Journal, Journal of Composite Materials, Wear of Materials 2009 Special Issue, Biomedical Materials, Journal of Physics D: Applied Physics, Materials Chemistry and Physics, Tribology International, Biomaterials, Journal of Applied Electrochemistry Metallurgical and Materials Transactions, International Journal of Hydrogen Energy, Scripta Metallurgica et Materialia, Journal of the Mechanical Behavior of Biomedical Materials, Applied Surface Science, International Journal of Cast Metal Research, Kokove Materialy Metallic Materials.

PUBLICATIONS COVERED BY WEB of SCI CORE COLLECTION (Since 2015)

1. Akyol, S., Matur, U.C., Baydogan, N., and **Cimenoglu, H.**, *Effects of Production Parameters on Characteristic Properties of Cu(In,Ga)Se-2 Thin Film Derived by Solgel Process*. Energy Systems and Management, ed. Bilge, Toy, and Gunay.(199-207), (2015).
2. Bel, T., Baydogan, N., and **Cimenoglu, H.**, *Effect of Curing Time on Poly(methacrylate) Living Polymer*. Energy Systems and Management, ed. Bilge, Toy, and Gunay.(193-198), (2015).
3. Farnoush, H., Aldic, G., and **Cimenoglu, H.**, *Functionally graded HA-TiO₂ nanostructured composite coating on Ti-6Al-4V substrate via electrophoretic deposition*, Surface & Coatings Technology, 265(7-15), (2015).
4. Farnoush, H., Mohandesi, J.A., and **Cimenoglu, H.**, *Micro-scratch and corrosion behavior of functionally graded HA-TiO₂ nanostructured composite coatings fabricated by electrophoretic deposition*, Journal of the Mechanical Behavior of Biomedical Materials, 46(31-40), (2015).
5. Farnoush, H., Muhaffel, F., and **Cimenoglu, H.**, *Fabrication and characterization of nano-HA-45S5 bioglass composite coatings on calcium-phosphate containing micro-arc oxidized CP-Ti substrates*, Applied Surface Science, 324(765-774) (2015).
6. Gunaydin, E., Matur, U.C., Baydogan, N., Tugrul, A.B., **Cimenoglu, H.**, and Yesilkaya, S.S., *I-V Characterization of the Irradiated ZnO:Al Thin Film on P-Si Wafers By Reactor Neutrons*. Energy Systems and Management, ed. Bilge, Toy, and Gunay.(171-178), (2015).
7. Matur, U.C., Akyol, S., Baydogan, N., and **Cimenoglu, H.**, *The Optical Properties of CIGS Thin Films Derived by Sol-Gel Dip Coating Process at Different Withdrawal Speed*, World Conference on Technology, Innovation and Entrepreneurship, 1762-1767) (2015).
8. Matur, U.C., Akyol, S., Baydogan, N., and **Cimenoglu, H.**, *The Characteristic Behaviors of Solgel-Derived CIGS Thin Films Exposed to the Specific Environmental Conditions*. Energy Systems and Management, ed. Bilge, Toy, and Gunay.(179-191), (2015).
9. Motallebzadeh, A., Atar, E., and **Cimenoglu, H.**, *Sliding wear characteristics of molybdenum containing Stellite 12 coating at elevated temperatures*, Tribology International, 91(40-47), (2015).
10. Motallebzadeh, A., Dilektasli, E., Baydogan, M., Atar, E., and **Cimenoglu, H.**, *Evaluation of the effect of boride layer structure on the high temperature wear behavior of bonded steels*, Wear, 328(110-114), (2015).
11. Muhaffel, F. and **Cimenoglu, H.**, *Synthesis of zirconia-incorporated titania layer by microarc oxidation for biomedical applications*, Surface and Interface Analysis, 47(13), (1166-1173), (2015).
12. Muhaffel, F., Mert, F., **Cimenoglu, H.**, Hoche, D., Zheludkevich, M.L., and Blawert, C., *Characterisation and corrosion behaviour of plasma electrolytic oxidation coatings on high pressure die cast Mg-5Al-0.4Mn-xCe (x=0, 0.5, 1) alloys*, Surface & Coatings Technology, 269(200-211), (2015).
13. Teker, D., Muhaffel, F., Menekse, M., Karaguler, N.G., Baydogan, M., and **Cimenoglu, H.**, *Characteristics of multi-layer coating formed on commercially pure titanium for biomedical applications*, Materials Science & Engineering C-Materials for Biological Applications, 48(579-585), (2015).
14. Bel, T., Ulku, G., Kizilcan, N., **Cimenoglu, H.**, Yahya, N., and Baydogan, N., *Production of Microencapsulate Glycidyl Methacrylate with Melamine Formaldehyde Resin Shell Materials*, in Proceeding of the 4th International Conference of Fundamental and Applied Sciences, Bhat, Yahya, Ramli, Soleimani, Zakariah, Faye, Kait, Shafie, and Sokkalingam, Editors, (2016)

15. Bravo-Barcenas, D., Campos-Silva, I., **Cimenoglu, H.**, Martinez-Trinidad, J., Flores-Jimenez, M., and Martinez-Gutierrez, H., *Characterisation of CoB-Co2B coatings by the scratch test*, Surface Engineering, 32(8),(570-577), (2016).
16. Franco, M., Sha, W., Aldic, G., Malinov, S., and **Cimenoglu, H.**, *Effect of reinforcement and heat treatment on elevated temperature sliding of electroless Ni-P/SiC composite coatings*, Tribology International, 97(265-271), (2016).
17. Guleryuz, H., Muhaffel, F., **Cimenoglu, H.**, Sonntag, R., and Kretzer, J.P., *Oxidized Titanium*. Materials for Total Joint Arthroplasty: Biotribology of Potential Bearings.(355-399), (2016).
18. Motallebzadeh, A., Atar, E., and **Cimenoglu, H.**, *Raman spectroscopy characterization of hypo-eutectic CoCrWC alloy tribolayers*, Industrial Lubrication and Tribology, 68(4),(515-520), (2016).
19. Muhaffel, F., Cempura, G., Menekse, M., Czyska-Filemonowicz, A., Karaguler, N., and **Cimenoglu, H.**, *Characteristics of multi-layer coatings synthesized on Ti6Al4V alloy by micro-arc oxidation in silver nitrate added electrolytes*, Surface & Coatings Technology, 307(308-315), (2016).
20. Nilufer, I.B., Gokce, H., Muhaffel, F., Ovecoglu, M.L., and **Cimenoglu, H.**, *The effect of La2O3 on the microstructure and room temperature mechanical properties of t-ZrO2*, Ceramics International, 42(8),(9443-9447), (2016).
21. Ovundur, M., Muhaffel, F., and **Cimenoglu, H.**, *Characterisation and tribological properties of hard anodised and microarc oxidised 5754 quality aluminum alloy*, Journal of the Balkan Tribological Association, 22(1),(233-239), (2016).
22. Siyahjani, F., Atar, E., and **Cimenoglu, H.**, *Structural Changes on the Surface of Alloy Ti6Al7Nb Under Gas Nitriding*, Metal Science and Heat Treatment, 58(3-4),(170-174), (2016).
23. Tazegul, O., Dylmishi, V., and **Cimenoglu, H.**, *Copper matrix composite coatings produced by cold spraying process for electrical applications*, Archives of Civil and Mechanical Engineering, 16(3),(344-350), (2016).
24. Dilawary, S.A.A., Motallebzadeh, A., Paksoy, A.H., Afzal, M., Atar, E., and **Cimenoglu, H.**, *Influence of laser surface melting on the characteristics of Stellite 12 plasma transferred arc hardfacing deposit*, Surface & Coatings Technology, 317(110-116), (2017).
25. Fidan, S., Muhaffel, F., Riool, M., Cempura, G., de Boer, L., Zaat, S.A.J., Czyska-Filemonowicz, A., and **Cimenoglu, H.**, *Fabrication of oxide layer on zirconium by micro-arc oxidation: Structural and antimicrobial characteristics*, Materials Science & Engineering C-Materials for Biological Applications, 71(565-569), (2017).
26. Paksoy, A.H., Deprem, O., Tazegul, O., and **Cimenoglu, H.**, *Tribology of SiCp reinforced Al-12Si matrix composite coatings in water*, Tribology International, 110(392-400), (2017).
27. Paksoy, A.H., Muhaffel, F., Koca, M., Gokce, O., Mohammadzadeh, S., and **Cimenoglu, H.**, *Formation of a corrosion-resistant alumina coating on a 6061 aluminum alloy using a combination of micro-arc oxidation and sealing treatments*, Materiali in Tehnologije, 51(1),(117-121) (2017).