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EDUCATION:

Degree	Department	University	Year
Undergraduate	Metallurgical Engineering	İstanbul Technical University	1992
MSc.	Institute of Science and Technology Materials Divison	Istanbul Technical University	1996
PhD	Institute of Science and Technology, Materials Divison	Istanbul Technical University	2003

EMPLOYMENT BACKGROUND

Title	Görev Yeri	Yıl
Res. Assist.	Istanbul University, Engineering Faculty	1994 - 1997
Res. Assist.	Istanbul Technical University, Faculty of Chemical and Metallurgical Engineering	1997 - 2005
Dr.	Texas Tech University, Mechanical Engineering Department	2005
Assist. Prof. Dr.	Istanbul Technical University, Faculty of Chemical and Metallurgical Engineering, Department of Metallurgy and Materials Engineering	2005 - 2010
Assoc. Prof. Dr.	Istanbul Technical University, Faculty of Chemical and Metallurgical Engineering, Department of Metallurgy and Materials Engineering	2010- 2017
Prof. Dr.	Istanbul Technical University, Faculty of Chemical and Metallurgical Engineering, Department of Metallurgy and Materials Engineering	2017- Present

A. Thesis

PhD. Thesis *"Investigation of mechanical and corrosion properties of T6 and RRA treated 2014 and 7075 quality aluminium alloys"*
ITU, Institute of Science And Technology, August 2003.
Advisor: Prof. Dr. Huseyin CIMENOGLU

MSc. Thesis *"The effect of austempering on the tensile, fatigue and wear properties of GGG 60 grade ductile iron"*
ITU, Institute of Science and Technology, June 1996.
Advisor: Prof. Dr. Huseyin CIMENOGLU

PhD Thesis Advised: 1 (completed), 5 (continuing)

MSc Thesis Advised: 34 (completed), 4 (continuing)

B – INTERNATIONAL JOURNAL ARTICLES

1. Şimşek, H., Zorlu, E., Kaya, S., **Baydoğan, M.**, Atabey, C., Çolak, A., "A new multipartite system for anterior cervical spine surgery; finite element analysis", British Journal of Neurosurgery, (2017) DOI: 10.1080/02688697.2017.1418290.
2. Piroglu, F., **Baydoğan, M.**, Ozakgul, K., "An experimental study on fire damage of structural steel members in an industrial building", Engineering Failure Analysis, 80, 341–351, 2017.
3. Yürektürk, Y., **Baydoğan, M.**, "Effect of Microstructural Features on Mechanical and Magnetic Properties of Austempered High-silicon Ductile Irons", ISIJ International, 57, 11, 2049–2057, 2017.
4. Yürektürk, Y., **Baydoğan, M.**, "Estimating Volume Fractions of Microstructural Constituents in Austempered High Silicon Alloyed GJS 600-10 Ductile Iron through Magnetic Measurements (VSM)", Materials Science Forum, 907, 50-55, 2017.
5. Kibaroglu, D., **Baydoğan, M.**, Cimenoglu, H., Bas, B., Yagsi, C., Aliyeva, N., "Failure Analysis of Fencing Blades", 6th International Conference on Fracture Fatigue and Wear, 2017 Journal of Physics: Conf. Series 843 012009, 2017.
6. Bulut, B., Tazegül, O., **Baydoğan, M.**, Kayalı, E.S., "Investigation and Application of Fe-Co-Cu Based Diamond Cutting Tools with Different Bronze Content Used in Marble Production", Advanced Structured Materials, 65, 307-314, 2017.
7. Özkara, İ.M., **Baydoğan, M.**, "Optimization of Thixoforging Parameters for C70S6 Steel Connecting Rods", Journal of Materials Engineering and Performance, 25, 11, 5020-5029, 2016.
8. Bulut, B., Tazegül, O., **Baydoğan, M.**, Kayalı, E.S., "The Comparison of the Sintering Methods for Producing Diamond Tools", Journal of Achievements of Materials and Manufacturing Engineering, 76, 1, 30-34, 2016.
9. Sarıyılmaz, K., Korkmaz, M., Özkunt, O., Gemalmaz, H.C., Sungur, M., **Baydoğan, M.**, Kaya, İ., Dikici, F., "Comparison of Fixation Techniques in Vancouver Type AG Periprosthetic Femoral Fracture: A Biomechanical Study", Acta Orthopaedica et Traumatologica Turcica, 50, 3, 373-378, 2016.
10. Subaşı, E., Kayalı, E.S., **Baydoğan, M.**, "Inconel 718 Süperalaşımının Farklı Gerilme ve Sıcaklıklarda Yüksek Sıcaklık Sürünme Davranışının İncelenmesi", Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 20, 1, 47-54, 2016.
11. Yürektürk, Y., Muhaffel, F., **Baydoğan, M.**, "Characterization of Micro Arc Oxidized 6082 Aluminum Alloy in an Electrolyte Containing Carbon Nanotubes", Surface and Coatings Technology, 269, 83-90, 2015.
12. Koraman, E., **Baydoğan, M.**, Sayılğan, S., Kalkanlı, A., "Dry Sliding Wear Behaviour of Al-Fe-Si-V Alloys at Elevated Temperatures", Wear, 322-323, 101–107, 2015.
13. Motallebzadeh, A., Dilektaşlı, E., **Baydoğan, M.**, Atar, E., Çimenoğlu, H., "Evaluation of the Effect of Boride Layer Structure on the High Temperature Wear Behavior of Borided Steels", Wear, 328-329, 110-114, 2015.
14. Teker, D., Muhaffel, F., Menekşe, M., Karagüler, N.G., **Baydoğan, M.**, Çimenoğlu, H., "Characteristics of Multi-Layer Coating Formed on Commercially Pure Titanium for Biomedical Applications", Materials Science and Engineering C 48, 579–585, 2015.
15. Babuccu, C., Keklikoğlu, N., **Baydoğan, M.**, Kaynar, A., "Cumulative Effect of Low-Level Laser Therapy and Low-Intensity Pulsed Ultrasound on Bone Repair In Rats", International Journal of Oral and Maxillofacial Surgery, 43, 769-776, 2014.
16. Tazegül, O., Muhaffel, F., Meydanoğlu, O., **Baydoğan, M.**, Kayalı, E.S., Çimenoğlu, H., "Wear and Corrosion Characteristics of Novel Alumina Coatings Produced by Micro Arc Oxidation on AZ91D Magnesium Alloy", Surface and Coatings Technology, 258, 168-173, 2014.

17. Yazıcı, S.K., Muhaffel, F., **Baydoğan, M.**, "Effect of Incorporating Carbon Nanotubes into Electrolyte on Surface Morphology of Micro Arc Oxidized Cp-Ti", Applied Surface Science, 318, 10-14, 2014.
18. Yazıcı, S.K., Muhaffel, F., **Baydoğan, M.**, "Effect of Voltage Parameters on Surface Morphology of Micro Arc Oxidized Cp Titanium", Defect and Diffusion Forum, 353, 211-216, 2014.
19. Gözüaçık, N.K., Altay, M., **Baydoğan, M.**, "Micro Arc Oxidation of AZ91 Magnesium Alloy – Effect of Organic Compounds in the Electrolyte", Defect and Diffusion Forum, 353, 217-222, 2014.
20. Yazıcı, S.K., Muhaffel, F., Yürektürk, Y., **Baydoğan, M.**, "Characterization and Wear Properties of Carbon Nanotubes Incorporated Ceramic Coatings on Ti6Al4V and Ti6Al7Nb Alloys", Journal of Achievements in Materials and Manufacturing Engineering, 65, 2, 73-78, 2014.
21. Çelik, Ö., **Baydoğan, M.**, Atar, E., Kayalı, E.S., Çimenoglu, H., "Fatigue Performance of Low Temperature Nitrided AISI 321 Grade Austenitic Stainless Steel", Materials Science and Engineering A, 565, 38-43, 2013.
22. Baydoğan, N., Gökçe, Y., **Baydoğan, M.**, Çimenoglu, H., "Capacitance-Voltage (C-V) Properties of ZnO:Al/p-Si Heterojunctions", Defect and Diffusion Forum, 334-335, 349-352, 2013.
23. Dinç, H., Motellabzadeh, A., Çimenoglu, H., **Baydoğan, M.**, "Thermochemical Boriding of Inconel 718 Superalloy", Academic Journal of Science, 2, 2, 385-389, 2013.
24. Yürektürk, Y., Muhaffel, F., **Baydoğan, M.**, "Effect of Process parameters on the Surface Properties of Micro Arc Oxidized 6082 Aluminum Alloy", Academic Journal of Science, 2, 2, 379-384, 2013.
25. Genç, A., Öveçoğlu, M.L., **Baydoğan, M.**, Turan, S., "Fabrication and Characterization of Ni-W Solid Solution Alloys via Mechanical Alloying and Pressureless Sintering", Materials & Design, 42, 495-504, 2012.
26. Aral, A., Günyüz, M., **Baydoğan, M.**, Karagüler, N.G., Olcay, E., Çimenoglu, H., "Anti-bacterial Microporous Ceramic Coating for Ti6Al4V Alloys", Key Engineering Materials, 493-494, 916-919, 2012.
27. **Baydoğan, M.**, Kayalı, E.S., Çimenoglu, H., "Service Life Estimation for a Reformer Tube against Creep Dominated Failure", Materials Testing, Materialprüfung, 54-1, 49-52, 2012.
28. Çimenoglu, H., Meydanoğlu, O., **Baydoğan, M.**, Bermek, H., Hüner, P., Kayalı, E.S. "Characterization of Thermally Oxidized Ti6Al7Nb Alloy for Biological Applications", Metals and Materials International, 17, 5, 765-770, 2011.
29. Çimenoglu, H., Günyüz M., Köse, G.T., **Baydoğan, M.**, Uğurlu, F., Şener, C., "Micro-arc oxidation of Ti6Al4V and Ti6Al7Nb alloys for biomedical applications", Materials Characterization, 62, 3, 304-311, 2011.
30. Günyüz, M., **Baydoğan, M.**, Çimenoglu, H., Kayalı, E.S., "The Effect of Micro Arc Oxidation Process Parameters on Surface Properties Of Ti6Al4V Alloy", Defect and Diffusion Forum, 312-315, 1000-1003, 2011.
31. Yavuz, H.G., Günyüz, M., Özkara, İ.M., **Baydoğan, M.**, Çimenoglu, H., "Micro Arc Oxidation of AZ91 Mg Alloy for Improved Corrosion Resistance", Defect and Diffusion Forum, 312-315, 877-881, 2011.
32. Özkara, İ.M., **Baydoğan, M.**, "Effect of Processing Parameters on the Structural and Mechanical Properties of Micro Arc Oxidized Aluminium Alloy", Defect and Diffusion Forum, 297-301, 942-947, 2010.
33. Bahadır, A., Ergun, C., **Baydoğan, M.**, "Synthesis and Characterization of Ag Doped Hydroxylapatite as an Antibacterial Scaffolds Material", Defect and Diffusion Forum, 283-286, 250-255, 2009.

34. **Baydoğan, M.**, Akray, S.İ., "Successive Boronizing and Austempering for GGG-40 Grade Ductile Iron", Journal of Iron and Steel Research, International, 16, 2, 50-54, 2009.
35. **Baydoğan, M.**, Çimenoglu, H., Kayalı, E.S., Rasty, J., "Improved Resistance to Stress-Corrosion-Cracking Failures via Optimized Retrogression and Reaging of 7075-T6 Aluminum Sheets", Metallurgical and Materials Transactions. A, 39A, 10, 2470-2476, 2008.
36. Rasty, J., Le X., **Baydoğan, M.**, Cárdenas-García, J.F., "Measurement of Residual Stresses in Nuclear-grade Zr-4(R) Tubes: Effect of Heat Treatment", Experimental Mechanics, 47, 2, 185-199, 2007.
37. Cingi, M., Meydanoğlu, O., Güteryüz, H., **Baydoğan, M.**, Çimenoglu, H., Kayalı, E.S., "High Cycle Fatigue Behavior of Thermally Oxidized Ti6Al4V Alloy", Materials Science Forum, 561-565, 2179-2182, 2007.
38. Mindivan, H., **Baydoğan, M.**, Kayalı, E.S., Çimenoglu, H., "Wear Behaviour of 7039 Aluminum Alloy", Materials Characterization, 54, 3, 263-269, 2005.
39. **Baydoğan, M.**, Çimenoglu, H., Kayalı, E.S., "A Study on Sliding Wear of a 7075 Aluminum Alloy", Wear, 257, 7-8, 852-861, 2004.
40. Sağlam, U., **Baydoğan, M.**, Mindivan, H., Çimenoglu, H., "Influence of Retrogression and Reaging on Mechanical and Corrosion Properties of 7039 Aluminium Alloy", Zeitschrift für Metallkunde, 95, 1, 14-17, 2004.
41. **Baydoğan, M.**, Akoy, M.A., Çimenoglu, H., Kayalı, E.S., "Deformation Induced Surface Roughening of Austenitic Stainless Steels: A Case Study Analysing Surface Roughening During Sheet Metal Forming Process", ISIJ International, 43, 11, 1795-1798, 2003.
42. **Baydoğan, M.**, Çimenoglu, H., "The Effect of Austempering Time on Mechanical Properties of a Ductile Iron", Scandinavian Journal of Metallurgy, 30, 6, 391-395, 2001.
43. Pamuk, U., **Baydoğan, M.**, Nilüfer, İ.B., Çimenoglu, H., "An Energetic Approach to Abrasive Wear of a Martensitic Stainless Steel", Scripta Materialia, 42, 9, 881-885, 2000.
44. Sun, Y., **Baydoğan, M.**, Çimenoglu, H., "The Effect of Deformation Before Ageing on the Wear Resistance of an Aluminium Alloy", Materials Letters, 38, 3, 221-226, 1999.

C – INTERNATIONAL PROCEEDINGS

1. Selvi, E., Muhaffel, F., **Baydoğan, M.**, "Synthesis of Zirconia/Magnesia Composite Coating on AZ91 Magnesium Alloy", The 2nd International Conference on Material Science and Technology (IMSTEC 2017), Proceedings p. 301-304, Nevşehir, Turkey, 11.10.2017 – 13.10.2017.
2. Taslicay, C., Yurekturk, Y., Muhaffel, F., **Baydoğan, M.**, "A Ceramic Coating for Corrosion Protection on AISI 316Ti Stainless Steel", The 2nd International Conference on Material Science and Technology (IMSTEC 2017), Proceedings p. 590, Nevşehir, Turkey, 11.10.2017 – 13.10.2017.
3. Taslicay, C., Yurekturk, Y., Muhaffel, F., **Baydoğan, M.**, "Production of a protective alumina coating on 316Ti grade stainless steel by micro arc oxidation process", 9th International Conference on Tribology (Balkantrib'17), Abstract Book. 91, Nevşehir, Turkey, 13.09.2017 – 15.09.2017.
4. Yurekturk, Y., Muhaffel, F., **Baydoğan, M.**, "Formation of a wear-resistant oxide coating on high silicon cast iron by combining aluminizing and micro arc oxidation methods", 9th International Conference on Tribology (Balkantrib'17), Abstract Book. 92, Nevşehir, Turkey, 13.09.2017 – 15.09.2017.
5. Camlibel, B., Muhaffel, F., Yurekturk, Y., **Baydoğan, M.**, "Microstructural Characterization Of Micro Arc Oxidized Za-8 Zinc-Aluminum Alloy", 31st International Conference on Surface Modification Technologies (SMT31), Mons, Belgium, 05.07.2017 – 07.07.2017.

6. Aytan, G., Yürektürk, Y., **Baydoğan, M.**, "Effect of Pre-Straining and baking Temperature on Bake Hardening Behaviour of Hot-Dip Galvanized Steels", 10th. International Conference on Materials Science&Engineering, BraMat 2017, Book of Abstracts p. 35, 8-11 March 2017, Braşov - Romania.
7. Gider, G., Yürektürk, Y., Paksoy, A.H., Muhaffel, F., **Baydoğan, M.**, "Microstructural Investigation and Wear Performance of Ductile Irons Treated by Two-Step Austempering Processes", 16th International Materials Symposium IMSP'2016, 12-14 Oct 2016, Pamukkale University – Denizli – Türkiye.
8. Bulut, B., Tazegül, O., **Baydoğan, M.**, Kayalı, E.S., "The Comparison of the Sintering Methods for Producing Diamond Tools Which are used in Natural Stone Cutting", 16th International Materials Symposium IMSP'2016, Proceedings Book pp. 1582-1589, 12-14 Oct 2016, Pamukkale University – Denizli – Türkiye.
9. Bulut, B., Tazegül, O., **Baydoğan, M.**, Kayalı, E.S., "Characterization of Diamond Tools for Cutting Natural Stones Using Fe-Co-Cu Base Alloy as a Metal Matrix", 18th International Metallurgy and Materials Congress, IMMC2016, Proceedings Book, pp. 489-492, 29 Sept-01 Oct, 2016, İstanbul – Türkiye.
10. Kırbaş, C., Çiçek, B., **Baydoğan, M.**, Çimenoğlu, M., "Post-Weld Heat Treatment Applied in Examining the Mechanical Properties of 13CrMo4-5 and X10CrMoVNb9-1 Grade Steel", International Conference on Materials Science and Technology in Cappadocia (IMSTEC'16), Bildiriler Kitabı s. 43-48, 6-8 Nisan 2016, Nevşehir - Türkiye.
11. Taşlıçay, C., Yürektürk, Y., Muhaffel, F., **Baydoğan, M.**, "Characteristics of Ceramic Coating Fabricated by Micro Arc Oxidation on Aluminized Stainless Steel", International Conference on Materials Science and Technology in Cappadocia (IMSTEC'16), Bildiriler Kitabı s. 868-870, 6-8 Nisan 2016, Nevşehir, Türkiye.
12. Gider, G., Yürektürk, Y., Malcıoğlu, A.U., Muhaffel, F., **Baydoğan, M.**, "Effect of Single-Step and two-Step Austempering on Microstructure and Mechanical Properties of a High Silicon Ductile Iron", Proceedings Book of 1st. International Conference on Advances in Automotive Technologies, 11-14 October 2016, İstanbul-Türkiye.
13. Açiksöz, M., Yürektürk, Y., Muhaffel, F., **Baydoğan, M.**, "Characterization of Micro-Arc Oxidized Unalloyed Low-Carbon Steel after Hot-Dip Aluminizing Process", 12th International Conference on Diffusion in Solids and liquids DSL 2016, 26-30 June 2016, Split, Croatia.
14. Kılıç, D., Muhaffel, F., Yürektürk, Y., **Baydoğan, M.**, "Characterization of Carbon Nanotubes Incorporated Ceramic Coatings Fabricated via Micro Arc Oxidation on AZ91D Magnesium Alloy", XXX International Conference on Surface Modification Technologies (SMT30), 29 Haziran – 1 Temmuz 2016, Milan – Italy.
15. Altay, M., Muhaffel, F., **Baydoğan, M.**, "Effect of Bipolar Voltage Parameters on Structural and Morphological Properties of TiO₂ Nanotubes", XXX International Conference on Surface Modification Technologies (SMT30), 29 Haziran – 1 Temmuz 2016, Milan – Italy.
16. Korkmaz, M., Sarıılmaz, K., Özkunt, O., Gemalmaz, H.C., Sungur, M., Dikici, F., **Baydoğan, M.**, "Lateral Duvar Perforasyonuna Yol Açan Pedikül Vida Enstrumantasyonu ile Yeniden Yönlendirilerek Anatomik Gönderilmiş Vidanın Sıyırma Direncinin Karşılaştırılması: Biyomekanik Çalışma", 26. Ulusal Türk Ortopedi ve Travmatoloji Kongresi, 25-30 Ekim 2016, Antalya.
17. Alakbarov, A., Aşansu, M.A., Ergün, S., Türköz, H.K., Kombak, E., **Baydoğan, M.**, Yıldırım, Y., "Aşil Tendon Tamirinde Kullanılan Dikiş Tekniklerinin, Tendonun Dikişi Tutma Kapasiteleri Üzerindeki Etkilerinin Araştırılması: In-Vivo Deneysel Çalışma", 26. Ulusal Türk Ortopedi ve Travmatoloji Kongresi, 25-30 Ekim 2016, Antalya.
18. Kılıç, D., Muhaffel, F., Yürektürk, Y., **Baydoğan, M.**, "Influence of Pulse Time on the Structural and Tribological Properties of Micro Arc Oxidized AZ91D Magnesium Alloy", TMS 2015, 144th Annual Meeting & Exhibition, Magnesium Technology 2015, pp. 339-342, March 15-19, 2015, Orlando, FL, USA.

19. Motallabzadeh, A., Dilektaşlı, E., **Baydoğan, M.**, Atar, E., Çimenöğlü, H., "Elevated Temperature Wear Behavior of Paste Borided 42CrMo4 and X20Cr13 Steels", IISS'15, Proceedings of 2nd International Iron & Steel Symposium, pp. 208-212, , April 1-3, 2015, Karabük - Türkiye.
20. Kırbaş, C., Çiçek, B., **Baydoğan, M.**, Çimenöğlü, H., "Effect of Stress Relief Annealing Temperature on Mechanical Properties of AISI P11 and AISI P91 Grade Seamless Pipe Steels", IISS'15, Proceedings of 2nd International Iron & Steel Symposium, pp. 306-311, April 1-3, 2015, Karabük - Türkiye.
21. Yıldırım, C., Tuna, N., Baydoğan, N., **Baydoğan, M.**, "Production of Silica Thin Film by Using Sol-Gel Method Produced from TEOS", 9th. International Physics Conference of the Balkan Physical Union-BPU-9, Book of Abstracts p. 245, 24-27 August 2015, İstanbul - Türkiye.
22. Yıldırım, C., Tuna, N., Baydoğan, N., **Baydoğan, M.**, "Surface Modification of Silica Aerogels", 9th. International Physics Conference of the Balkan Physical Union-BPU-9, Book of Abstracts p. 262, 24-27 August 2015, İstanbul University, İstanbul - Türkiye.
23. Yıldırım, C., Baydoğan, M., **Baydoğan, N.**, Çimenöğlü, H., "Manufacturing of Nanocomposite Tetraethyl Orthosilicate (TEOS) Silicas for Energy Applications", INERMA International Energy Raw Materials and Energy Confex, 01-03.10.2015, İstanbul - Türkiye.
24. Malcioğlu, U., Yürektürk, Y., Muhaffel, F., **Baydoğan, M.**, "Tribological Investigation of Austempered Grey Cast Iron for Automotive Components under Dry Sliding Conditions", 1. International Conference on Tribology - TURKEYTRIB '15, Yıldız Technical University 7-9 October 2015, İstanbul - Türkiye.
25. Sarıyılmaz, K., Özkunt, O., Korkmaz, M., Gemalmaz, H., Sungur, M., Akgül, T. **Baydoğan, M.**, Dikici, F., "Vancouver Tip AG Periprotetik Femoral Kırıkları Tespit Yöntemlerinin Biyomekanik Karşılaştırılması", 25. Ulusal Türk Ortopedi ve Travmatoloji Kongresi 27.10.2015-01.11.2015, Antalya.
26. Yürektürk, Y., **Baydoğan, M.**, Kayalı, E.S., Çimenöğlü, H., "Bir Alüminyum Ekstrüzyon Kalıbında Hasar Analizi Çalışması", 10. Uluslararası Kırılma Konferansı, Bildiriler Kitabı, s. 152-156, 24-26 Nisan 2014, Kayseri - Türkiye.
27. Yürektürk, Y., Kayalı, E.S., **Baydoğan, M.**, Çimenöğlü, H., "Kızdırıcı Boruda Hasar Analizi", IMSP 2014, 15th International Materials Symposium (IMSP'2014), Pamukkale University, 15-17 October 2014, Denizli - Türkiye.
28. Yazıcı, S.K., Muhaffel, F., Yürektürk, Y., **Baydoğan, M.**, "Characterization and Wear Properties of Carbon Nanotubes Incorporated Ceramic Coatings on Ti6Al4V and Ti6Al7Nb Alloys", IMSP 2014, 15th International Materials Symposium (IMSP'2014), Pamukkale University, 15-17 October 2014, Denizli - Türkiye.
29. Altay, M., Gözüaçık, N.K., **Baydoğan, M.**, "Effect of Voltage Pulse Duration on Surface Properties of Micro Arc Oxidized AZ91 Mg Alloy", TMS 2014 143rd Annual Meeting & Exhibition, 16-20 February 2014, San Diego, California - USA.
30. Kılıç, D., Muhaffel, F., **Baydoğan, M.**, "Micro Arc Oxidation of AZ91 Mg Alloy in Silicate Electrolyte - Effect of Electrical Parameters", ISTS'2014, 2nd International Surface Treatment Symposium, 25-27 June 2014, İstanbul - Türkiye.
31. Çabukusta, Ç.S., Gökçe, Y.B., **Baydoğan, M.**, Meydanoğlu, O., "Effect of Hydrochloric Acid on Surface Properties of Restorative Materials", International Dental Journal, 63 (suppl. 1), 1-98, 2013.
32. Akyıldız, E., Koşmaz, E.C., Karaçalı, G., Akkurt, A., Ünal, M.A., Muhaffel, F., **Baydoğan, M.**, "Synthesis of Alumina Coatings on Aluminum Matrix Composites by Micro Arc Oxidation Method", The Aluspecialists' Meeting Aluminium Two Thousand 8th. World Congress, 14-18 May 2013, Milano - Italy.

33. Öztürk. T., **Baydoğan, M.**, "Fabrication and Characterization of TiO₂ Nanotubes on Cp Titanium Surface", 14th. International Materials Symposium, IMSP'2012 Proceedings, pp. 511-519, Pamukkale University, 10-12 October 2012, Denizli – Türkiye.
34. İnanır, Z., Günay, R., Meydanoğlu, O., **Baydoğan, M.**, Çimenoglu, H., "Yüksek Çalışma Sıcaklıklarının Inconel 718 Alaşımının Yapısal ve Mekanik Özellikleri Üzerindeki Etkilerinin İncelenmesi", 14th. International Materials Symposium, IMSP'2012 Proceedings, pp. 1526-1530, Pamukkale University, 10-12 October 2012, Denizli – Türkiye.
35. **Baydoğan, M.**, "Ray Çeliklerinin Mekanik Özellik Karakterizasyonunda Kırılma Mekanik Deneyleri", (Çağrılı Bildiri) 1. Uluslararası Demir – Çelik Sempozyumu, s. 85, 2-4 Nisan 2012, Karabük – Türkiye.
36. **Baydoğan, M.**, "Ray Çeliklerinin Yorulma, Kırılma Davranışlarının Analiz Edilmesinde Kullanılan Analitik ve Deneysel Yöntemler", I. Uluslararası Raylı Sistemler Mühendisliği Çalıştayı, 11.10.2012, Karabük.
37. Çulhaoğlu, S., Deprem, Ö., Yavuz, P. Bostan, B., Demirtaş, B., **Baydoğan, M.**, Çimenoglu, H., Kayalı, E.S., "Polimer Kaplanmış Nanotüp Morfolojisine Sahip Titanyum Yüzeylerinden Kontrollü İlaç Salınımı", II. Ulusal Nanoteknoloji Kongresi, 27-28 Eylül 2012, YTÜ, İstanbul.
38. **Baydoğan, M.**, Çimenoglu, H., Kayalı, E.S., "Bir Buhar Türbini Kanadının Hasar Analizi", 9. Uluslararası Kırılma Konferansı Bildiriler Kitabı, s. 473-478, Yıldız Teknik Üniversitesi, 19-21 Ekim 2011, İstanbul – Türkiye.
39. Özkara, İ.M., **Baydoğan, M.**, "Effect of Surfactant on Surface Morphology and Wear Resistance of a Micro Arc Oxidized Cp-Ti", Proceedings of The 12th World Conference on Titanium, Ti-2011, Vol. II, pp. 1299-1302, 19-24 June 2011, Beijing – China.
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F - Projects participated

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2. Development of Native Production Technology for Head hardened rails for TCDD, Researcher, Kamag1007 Project, 112G081, **Researcher**, 2014-2017 (Continuing).
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6. Improvement of surface properties of aluminium based industrial products by the micro arc oxidation process, TÜBİTAK Project, 107M038, **Project Supervisor**, 2007, (Completed).
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4. *Effect of Processing Parameters on nanotube morphology formed on Commercial Pure Titanium*, Istanbul Technical University, Scientific Research Project, **Project Supervisor**, 2012, (Completed).
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