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CONTACT INFORMATION

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EDUCATION

Degree	University	Department/Program	Years
BS	Karadeniz Technical University	Department of Mechanical Engineering	1987-1991
MSc	Karadeniz Technical University	Department of Mechanical Engineering/Materials Sciences	1991-1994
Ph.D.	Karadeniz Technical University	Department of Mechanical Engineering/Materials Sciences	1994-2000

POST-DOC RESEARCH

Position	University	Department/Program	Years
Visiting Professor	Michigan Tech. University, USA	Department of Mechanical Engineering	2003-2004
Visiting Professor	Texas A&M University, USA	Department of Mechanical Engineering	2009-2010
TWAS-UNESCO Associateship	Inst. of Metal Research (IMR), China	Shenyang National Laboratory (2 months for every year)	2012-2015
TWAS-UNESCO Associateship	Inst. of Metal Research (IMR), China	Shenyang National Laboratory (2 months for every year)	2016-2019

ACADEMIC EXPERIENCES

Title	University	Duty	Years
Full Professor	Karadeniz Technical University	Department of Mechanical Engineering	2013-
Associate Prof.	Karadeniz Technical University	Department of Mechanical Engineering	2007-2013
Assistant Prof.	Karadeniz Technical University	Department of Mechanical Engineering	2003-2007
Senior Researcher	Karadeniz Technical University	Department of Mechanical Engineering	2000-2003
Researcher	Karadeniz Technical University	Department of Mechanical Engineering	1992-2000

ADMINISTRATIVE EXPERIENCE

Institute	Duty	Years
Karadeniz Technical University	Center of Research and Development of Mater. Sci. and Manufac. Technology	2009-2013
Karadeniz Technical University	Academic Committee Member of Engineering Faculty	2007-2010
Karadeniz Technical University	Vice Chair of Department of Karadeniz Technical University	2007-2008
Karadeniz Technical University	Coordinator of ERASMUS Program for Mechanical Engineering Department	2008

THESIS DONE

Ph.D.	Investigation of Tribological Properties of Journal Bearings Produced from Zinc-Aluminum Based Alloys Under Static and Dynamic Loading Conditions”, Karadeniz Technical University, Institute of Natural and Applied Sciences, August 2000, Trabzon, Turkey
MSc	Investigation of Tribological Properties of Journal Bearings Produced from Zinc-Aluminum Based Alloys, Karadeniz Technical University”, Institute of Natural and Applied Sciences, August 1995, Trabzon, Turkey

RESEARCH INTERESTS

1	Tribology and Tribological test systems
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2	“Processing-microstructure-mechanical property-performance” relationships in metallic materials
3	Severe plastic deformation techniques: Equal-channel angular extrusion/pressing (ECAE/P) Multiple isothermal forging (MIF) Friction stir processing (FSP)
4	Ultrafine-grained and nanostructured materials
5	Friction and wear of materials (TRIBOLOGY)
6	Strengthening mechanisms in metallic material
7	Metallic biomaterials
8	Superplasticity at low temperature and high strain rates
9	Surface treatments: Boriding (Boronizing) Micro-Arc and Thermal Oxidation

PUBLICATIONS

PAPERS PUBLISHED IN PEER-REVIEW JOURNALS (SCI)	
1	M. Demirtasa, K.C. Atli, H. Yanar, G. Purcek, Enhancing the damping behavior of dilute Zn–0.3Al alloy by equal channel angular pressing, <i>Metallurgical and Materials Transactions A</i> , 2016, Under review.
2	G. Kara, G. Purcek, H. Yanar, Improvement of wear behaviour of titanium by boriding, <i>Industrial Lubrication and Tribology</i> , 2016, In press.
3	D.M. Sekban, S.M.Aktarer, P.Xue, Z.Y.Ma, G.Purcek, Impact toughness of friction stir processed low carbon steel used in shipbuilding, <i>Materials Science&Engineering A</i> , 672(2016)40–48
4	M.E. Cetin, M. Demirtas, H. Sofuoglu, Ö.N. Cora and G. Purcek, Effects of grain size on room temperature deformation behavior of Zn–22Al alloy under uniaxial and biaxial loading conditions, <i>Materials Science &Engineering A</i> , 672 (2016) 78–87.
5	M. Demirtas, G. Purcek , H. Yanar, Z.J. Zhang, Z.F. Zhang, “Effect of different processes on lamellar-free ultrafine grain formation, room temperature superplasticity and fracture mode of Zn-22Al alloy”, <i>Journal of Alloys and Compounds</i> (2016)775-783.
6	G. Purcek , H. Yanar, M. Demirtas, Y. Alemdag, D.V. Shangina, S.V. Dobatkin, “Optimization of strength, ductility and electrical conductivity of Cu-Cr-Zr alloy by combining multi-route ECAP and aging, <i>Materials Science & Engineering A</i> , <i>Materials Science & Engineering A</i> 649 (2016) 114–122.
7	D.V. Shangina, N.R. Bochvar, M.V. Gorshenkov, H. Yanar, G. Purcek , S.V. Dobatkin, “Influence of microalloying with zirconium on the structure and properties of Cu-Cr alloy after high pressure torsion”, <i>Materials Science & Engineering A</i> 650 (2016) 63–66.
8	M. Demirtas, G. Purcek , H. Yanar, Z.J. Zhang, Z.F. Zhang, “Improvement of room temperature superplasticity in quasi-single phase Zn-0.3Al alloy by equal-channel angular pressing”, <i>Materials Science & Engineering A</i> 644 (2015) 17–24.
9	D.M. Sekban, O. Saray, S.M. Aktarer, G. Purcek , Z.Y. Ma, Microstructure, Mechanical Properties and Formability of Friction Stir Processed Interstitial-Free Steel, <i>Materials Science & Engineering A</i> , 642 (2015) 57–64
10	S.M. Aktarer, D.M. Sekban, O. Saray, T. Kucukomeroglu, Z.Y. Ma, G. Purcek , “Effect of two-pass friction stir processing on the microstructure and mechanical properties of as-cast binary Al–12Si alloy”, <i>Materials Science & Engineering A</i> , 636 (2015) 311–319.
11	I. Hacisalihoglu, A. Samancioglu, F.Yildiz, G. Purcek , A. Alsaran, “Tribocorrosion properties of different type titanium alloys in simulated body fluid”, <i>Wear</i> , 332-333 (2015) 679-686.
12	G. Kara, G. Pürçek , Y. Atasoy, E. Bacaksız, Microstructure and Tribological Properties of Ti Borided by Electron Beam Evaporation Technique, <i>Journal of the Balkan Tribological Association</i> , 21(1)2015,24–37.
13	Muhammet Demirtaş, Gencaga Purcek , Harun YANAR, Zhenjun Zhang, Zhe-Feng Zhang, “Achieving room temperature superplasticity in Zn-5Al alloy at high strain rates by equal-channel angular extrusion”, <i>Journal of Alloys and Compounds</i> 623 (2015) 213–218.
14	Gencaga Purcek , Muhammet Demirtaş, Harun Yanar, Zhenjun Zhang, Zhe-Feng Zhang, “Improvement of high strain rate and room temperature superplasticity in Zn–22Al alloy by two-step equal-channel angular pressing”, <i>Materials Science&EngineeringA</i> 620(2015)233–240
15	O. Saray, G. Purcek , I. Karaman, H. J. Maier, Improvement of formability of ultrafine-grained materials by post-SPD annealing, <i>Materials Science & Engineering A</i> , 619 (2014) 119–128.
16	İlhan Çelik, Akgün Alsaran, Gencaga Purcek , “Effect of different surface oxidation treatments on structural, mechanical and tribological properties of ultrafine-grained titanium” <i>Surface & Coatings Technology</i> , 258 (2014) 842–848.

17	G. Purcek , H.Yanar , O.Saray, I.Karaman, H.J.Maier, Effect of precipitation on mechanical and wear properties of ultrafine-grained Cu–Cr–Zr alloy, <i>Wear</i> , 311 (2014) 149–158.
18	Onur Saray, Gencaga Purcek , Ibrahim Karaman, Hans J. Maier, Formability of Ultrafine-grained Interstitial-Free Steels, <i>Metallurgical and Materials Transection A</i> , 44A (2013) 4194-4206.
19	Gencaga Purcek , Onur Saray, Ibrahim Karaman, Hans J. Maier, High strength and high ductility of ultrafine-grained, interstitial-free steel produced by ECAE and annealing, <i>Metallurgical and Materials Transection A</i> , 43A (2012) 1884-1994.
20	Onur Saray, Gencaga Purcek , Ibrahim Karaman, Hans J. Maier, Impact toughness of ultrafine-grained interstitial-free steel, <i>Metallurgical and Materials Transection A</i> , 43A (2012) 4320-4330.
21	G. Purcek , O. Saray, M. Nagimov, A.A. Nazarov, I.M. Safarov, V.N. Danilenko, O.R. Valiakhmetov, R.R. Mulyukov, Microstructure and Mechanical Behavior of UFG Copper Processed by ECAE Following Different Processing Regimes, <i>Philosophical Magazine</i> , 92(6) (2012) 690-704.
22	G. Purcek , O. Saray, F. Rubitschek, T. Niendorf, H.J. Maier I. Karaman, Effect of internal oxidation on wear behavior of ultrafine-grained Nb-Zr, <i>Acta Materialia</i> , 59 (2011) 7683-7694.
23	A. Alsaran, G. Purcek , I. Hacısalihoglu, Y. Vangolu, Ö. Bayrak, I. Karaman, A. Celik, Hydroxyapatite Production On Ultrafine-Grained Pure Titanium By Micro-Arc Oxidation and Hydrothermal Treatment, <i>Surface & Coatings Technology</i> , 205 (2011) S537-S542.
24	O. Saray, G.Purcek , I. Karaman, T. Neindorf, H.J. Maier, Equal-channel angular sheet extrusion of interstitial-free (IF) steel: Microstructural evolution and mechanical properties, <i>Materials Science and Engineering A</i> , 528 (2011) 6573-6583.
25	G. Purcek , G.G. Yapici, I. Karaman, H.J. Maier, Effect of commercial purity levels on the mechanical properties of ultrafine-grained titanium, <i>Materials Science and Engineering A</i> , 528 (2011) 2303-2308.
26	O. Saray, G. Purcek I. Karaman, Principles of equal-channel angular sheet extrusion (ECASE): Application to IF-steel sheets, <i>Reviews on Advanced Materials Science</i> , 25 (2010) 42-51.
27	G. Purcek , O. Saray, T. Kucukomeroglu, M. Haouaoui, I. Karaman, Effect of equal-channel angular extrusion on the mechanical and tribological properties of as-cast Zn-40Al-2Cu-2Si alloy, <i>Materials Science and Engineering A</i> , 527 (2010) 3480-3488.
28	M.A. Maharbi, I. Karaman, G. Purcek , Flow Response of a Severe Plastically Deformed Two-Phase Zinc-Aluminum Alloy, <i>Materials Science and Engineering A</i> , 527 (2010) 518-525.
29	Gencaga Pürçek , Onur Saray, Oktay Kul, Microstructural Evolution and Mechanical Properties of Severely deformed Al-12Si casting alloys by equal-channel angular extrusion, <i>Metals and Materials International</i> , 16(1) (2010) 145-154.
30	G. Purcek , O. Saray, O. Kul, I. Karaman, G.G. Yapici, M. Haouaoui and H.J. Maier, Mechanical and wear properties of ultrafine-grained pure Ti produced by multi-pass equal channel angular extrusion, <i>Materials Science and Engineering A</i> , 517 (2009) 97-104.
31	G. Purcek , O. Saray, I. Karaman, M. Haouaoui, Microstructural evolution and mechanical response of equal-channel angular extrusion processed Al-40Zn-2Cu alloy, <i>Metallurgical and Materials Transactions A</i> , 40A (11) (2009) 2772-2783.
32	Onur Saray, Gencaga Purcek , Microstructural evolution and mechanical properties of Al–40 wt.%Zn alloy processed by equal-channel angular extrusion, <i>Journal of Materials Processing Technology</i> , 209 (2009) 2488-2498.
33	Gencaga Pürçek , Onur Saray, Ibrahim Karaman, Tevfik Küçükömeroğlu, Effect of severe plastic deformation on tensile properties and impact toughness of two-phase Zn-40Al alloy, <i>Materials Science and Engineering A</i> , 490 (2008) 403-410.
34	G. Pürçek , E. Bacaksız, İ. Miskioğlu, Structure and nanomechanical properties of CdTe thin films, <i>Journal of Materials Processing Technology</i> , 198 (2008) 202-206.
35	Gencaga Purcek , Ibrahim. Karaman, Guven Guney Yapici, Majid A. Maharbi, Tevfik Kucukomeroglu, Onur Saray, Enhancement in mechanical behavior and wear resistance of severe plastically deformed two-phase Zn-Al alloys, <i>International Journal of Materials Research (formerly Z. Metallkd.)</i> , 98 (4) (2007) 332-338
36	G. Purcek , B. S. Altan, I. Miskioğlu, A. Patil, Mechanical properties of severely deformed ZA-27 alloy using equal-channel angular extrusion”, <i>Materials Science and Technology</i> , 21(9) (2005) 1044-1048.
37	Gencaga Purcek , Improvement of mechanical properties for Zn-Al alloys using equal-channel angular pressing”, <i>Journal of Materials Processing Technology</i> , 169 (2005) 242-248.
38	B. S. Altan, G. Purcek , I. Miskioğlu, An upper bound analysis for equal channel angular extrusion, <i>Journal of Materials Processing Technology</i> , 168(1) (2005) 137-146.
39	G. Pürçek , B. S. Altan, I. Miskioğlu, and P.H. Ooi, Processing of Eutectic Zn-5%Al alloy by Equal-Channel Angular Pressing, <i>Journal of Materials Processing Technology</i> , 148 (2004) 279-287.
40	Temel Savaşkan, Ali Paşa Hekimoğlu, and Gençağa Pürçek , Effect of Copper Content on the Mechanical and Sliding wear Properties of Monotectoid-Based Zinc-Aluminium-Copper Alloys, <i>Tribology International</i> , 37 (2004)

	45-50.
41	Temel Savaşkan, Gençağa Pürçek and A. P. Hekimoğlu, Effect of Copper Content on the Mechanical and Tribological Properties of ZnAl27-Based Alloys, Tribology Letters, 15(3) (2003) 257-263.
42	Gençağa Pürçek and Temel Savaşkan, Tefvik Küçükömeroğlu, Samuel Murphy, Dry Sliding Friction and Wear Properties of Zinc-Based Alloys , Wear, 252 (2002) 894-901.
43	Temel Savaşkan, Gençağa Pürçek and Samuel Murphy, Sliding Wear of Cast Zinc-Aluminium alloy Bearings Under Static and Dynamic Loading Conditions, Wear, 252 (2002) 693-703.
Papers in Conference Proceedings (Full paper)	
1	S M Aktarer, D M Sekban, H Yanar and G Purçek, Effect of friction stir processing on tribological properties of Al-Si alloys, The 13th International Conference on Tribology (ROTRIB'16), 22 – 24 September 2016, Galati, Romania.
2	I Hacisalioglu, F Yildiz, A Alsaran and G Purcek, Wear behavior of the plasma and thermal oxidized Ti-15Mo and Ti-6Al-4V alloys, The 13th International Conference on Tribology (ROTRIB'16), 22 – 24 September 2016, Galati, Romania.
3	D M Sekban, S M Aktarer, H Yanar, A Alsaran and G Purcek, Improvement the wear behavior of low carbon steels by friction stir processing, The 13th International Conference on Tribology (ROTRIB'16), 22 – 24 September 2016, Galati, Romania.
4	I.Hacisalihoglu, A. Alsaran, G. Purcek , “Coating on Ultrafine-Grained Titanium by Anodization in Simulated Body, Submitted to “International Conference on Metallurgical Coatings and Thin Films”, 25–29 April 2016, San Diego, United States
5	G. Kara, G. Pürçek , H. Yanar, “Improvement of wear behaviour of titanium by boriding”, TURKEYTRIB 2015, 1st International Conference on Tribology, 07 - 09 October 2015, Istanbul, Turkey.
6	H. Yanar, G.Pürçek , D.M. Sekban, S.M. Akterer, “Effect of friction stir processing on tribological performance of low carbon steels, TURKEYTRIB 2015, 1st International Conference on Tribology, 07 - 09 October 2015, Istanbul, Turkey.
7	Y. Alemdağ, G. Pürçek , M. Beder, “Effect of age hardening on the wear behaviour of the Al-7Si-4Zn-3Cu alloy”, TURKEYTRIB 2015, 1st International Conference on Tribology, 07 - 09 October 2015, Istanbul, Turkey.
8	H. Yanar, G.Pürçek , D.M. Sekban, S.M. Akterer T.Küçükömeroğlu, Y. Alemdağ, Surface hardening of Al-12Si alloy by friction stir processing and its effect on friction and wear properties”, TURKEYTRIB 2015, 1st International Conference on Tribology, 07 - 09 October 2015, Istanbul, Turkey.
9	D.M. Sekban, S.M.Aktarer, O. Saray, T. Kucukomeroglu, G. Purcek , Formability of IF-Steel Sheets Severe Plastically Deformed By Friction-Stir Processing, 2nd International Iron and Steel Symposium (IISS'15), 1-3 April, 2015, Karabük, Turkey.
10	D.M. Sekban, G. Pürçek , S.M.Aktarer, T. Küçükömeroğlu, Effect of friction-stir processing on the structure and mechanical properties of a low carbon steel used in ship panel construction, 2nd International Iron and Steel Symposium (IISS'15), 1-3 April, 2015, Karabük, Turkey.
11	Turhan Ürün Koçak, Harun Yanar, Gençağa Pürçek , Feriha Birol, Comperison of friction and wear behavior of a nickel-aluminum bronze (CuAl10Ni5Fe4) and a tin bronze (CuSn11), 2nd International Iron and Steel Symposium (IISS'15), 1-3 April, 2015, Karabük, Turkey.
12	I. Hacisalihoglu, A. Samancioglu, F.Yildiz, G. Purcek , A. Alsaran, Tribocorrosion properties of different type titanium alloys in simulated body fluid, Wear of Materials 2015, 20th International Conference on Wear of Materials, 12-16 April 2015, Toronto, Canada.
13	M. Demirtas, G. Purcek , H. Yanar, Effect of natural aging on RT and HSR superplasticity of ultrafine grained Zn-22Al alloy, 12th International Conference on Superplasticity in Advanced Materials (ICSAM) 2015, September 7-11, 2015, Tokyo, Japan.
14	Onur Saray, Gencaga Purcek , Ibrahim Karaman, Hans J. Maier, Formability of ultrafine grained (UFG) interstitial-free (IF) steel produced with equal channel angular extrusion/pressing (ECAE/P), International Iron & Steel Symposium, 02-04 April 2012, Karabük, Türkiye.
15	I Karaman, H Maier, G Purcek, F Rubitschek T. Niendorf, Exceptional Mechanical and Functional Properties of Ultrafine-Grained NbZr Biomedical Alloys. In: AIP Conference Proceedings. American Institute of Physics, Ste. 1 NO 1 Melville NY 11747-4502, 2012, USA.
16	Onur Saray, Gençağa Pürçek , Ibrahim Karaman, Hans J. Maier, Producing High Strength And Formable Ultrafine-Grained If-Steel by Equal-Channel Angular Extrusion and Subsequent Annealing, 13. International Materials Symposium, November 13-15, 2010, Pamukkale University, Denizli, Turkey.
17	G. Pürçek , O. Saray, I. Karaman, T. Küçükömeroğlu, Application of Equal-Channel Angular Extrusion to Some BCC, FCC and HCP Materials: Microstructure-Property Relationship, 15. International Metallurgy and Materials Congress, November 11-13, 2010, Istanbul, Turkey.
18	A. Alsaran, G. Purcek, Y. Vangolu, O. Saray, Improvement of Strength and Wear Resistance of Cp-Ti by Ecae and

	Mao Processes. Minerals, Metals and Materials Society/AIME, 14-18 Feb 2010, 420 Commonwealth Dr., P. O. Box 430 Warrendale PA 15086, USA
19	G. Purçek , O. Saray, Effect of equal channel angular extrusion (ECAE) on dry sliding wear properties of Al-40Zn-2Cu alloy, 12th International Materials Symposium, 15-17 October, 2008, Denizli-Turkey.
20	T. Küçükömeroğlu, G. Pürçek , O. Saray, L. Kara, Investigation of Friction and Wear Behaviours of CuSn10 Alloy in Vacuum, 12th International Materials Symposium, 15-17 October, 2008, Denizli-Turkey.
21	A.G. Patil, B.S. Altan, I. Miskioglu, G. Purcek , Mechanical Properties and wear Resistance of Severely Deformed ZA-27 Alloy after Equal Channel Angular Extrusion, SAMPE'06, 2006, Long Beach, California, USA.
22	M. E. Çetin, M. Demirtaş, H. Sofuoğlu, , Ö.N. Cora, G. Pürçek , Experimental and Theoretical Investigations of the effect of ultrafine grain formation on room temperature formability of superplastic Zn-22Al alloy. August 24-28, 2015, Trabzon, Turkey.
23	İ. Hacısalıhoğlu, H. Kovacı, G. Pürçek , A. Alsaran, Investigation of Ultra-fine Grained Titanium Availability In Dental Implant Applications, International Participated 7th Biomechanics Congress (Uluslararası Katılımlı 7. Biyomekanik Kongresi), October 16-18, 2014, Isparta, Turkey.
24	G. Pürçek , O. Saray, İ. Hacısalıhoğlu, I. Karaman, A. Alsaran, Production of high-strength and biocompatible implant: Severe plastic deformation and surface modification techniques, 4. Ulusal Tıbbi Cihazlar İmalatı Sanayi Kongre ve Sergisi, TİSKON-2011, September 23-24, 2011, Samsun, Turkey.
25	Onur Saray, Gençağa Pürçek , İbrahim Karaman, Production of Ultrafine-grained and high strength IF-steel by equal-channel angular extrusion: Investigation of microstructure-mechanical property-thermal stability relationship, TMMOB Mechanical Engineering Chamber, V. Iron-Steel Congress and Exhibition, April 1-3, 2011, Karabük, Turkey.
26	Ilhan Çelik, Akgün Alsaran, Onur Saray, Gençağa Pürçek , The Oxidation Of Ultrafine- grained Pure Titanium Using Different Surface Processes, TMMOB Chemistry Engineering Chamber 1th Surface Treatment Symposium, June 15-18, 2011, Istanbul Technical University, Istanbul, Turkey.
27	Gencaga Purcek, Onur Saray, İbrahim Karaman, Hans Maier, Managing High Strength and High Ductility in UFG IF-Steel by ECAE plus Post-ECAE Annealing." Minerals, Metals and Materials Society/AIME, 420 Commonwealth Dr., P. O. Box 430 Warrendale PA 15086, USA.[np]. February, 2011.
28	G. Pürçek, O. Kul, O. Saray , G.G. Yapıcı, M. Haouaoui, I. Karaman ve T. Küçükömeroğlu, Investigation of mechanical and wear properties of ultrafine-grained pure titanium produced by severe plastic deformation , IV. Biomechanics Congress, October 16-17, 2008, Erzurum, Turkey.
29	G. Pürçek, I. Karaman, O. Saray, T. Küçükömeroğlu, Production of nanostructured and high strength IF-steel by severe plastic deformation, TMMOB Mechanical Engineering Chamber, IV. Iron-Steel Congress, November 1-3, 2007, Karabük, Turkey.
30	G. Pürçek, T. Küçükömeroğlu, A Novel Method for Producing Improved Properties and Ultracrystalline Steel: Equal-Channel Angular Extrusion (ECAE), TMMOB Mechanical Engineering Chamber, III. Iron-Steel Congress and Exhibition, September 22-24, 2005, Karadeniz Ereğlisi, Kurkey.
Papers in Conference Proceedings (Extended abstract)	
1	G. Purcek1,H. Yanar, D.V. Shangina, S.V. Dobatkin, "Effect of High-Pressure Torsion on Tribological Properties of Cu-Cr-Zr alloy Under Reciprocating Dry Conditions", 2016 International Conference on Engineering Tribology and Applied Technology, November 4 – 6, 2016, Taipei, Taiwan, China
2	Gokhan Kara, Gencaga Purcek, "Microstructure and Wear Behaviour of β -Ti Alloy Borided By Electron Beam Evaporation Technique", 2016 International Conference on Engineering Tribology and Applied Technology, November 4 – 6, 2016, Taipei, Taiwan, China
3	D. M. Sekban, S.M. Akterer, G. Purcek, Z.Y. Ma, Impact Toughness of Friction Stir Processed Low Carbon Steel, 11th International Symposium on Friction Stir Welding (11ISFSW), 17-19 May 2016, TWI Ltd, Cambridge, UK.
4	S.M. Akterer, D. M. Sekban, T. Kucukomeroglu, G. Purcek, Z.Y. Ma, Formability of friction stir welded dissimilar materials of IF-steel and 6061 Al alloy, 11th International Symposium on Friction Stir Welding (11ISFSW), 17-19 May 2016, TWI Ltd, Cambridge, UK.
5	M. Demirtas, G. Purcek , H. Yanar,Z.J. Zhang, Z.F. Zhang, Optimization of RT superplasticity of UFG Zn-22Al alloy by applying ECAP at different temperatures and phase regions, 12th International Conference on Superplasticity in Advanced Materials (ICSAM) 2015, September 7-11, 2015, Tokyo, Japan.
6	G. Kara, G. Pürçek , Y. Atasoy, E. Bacaksız, Improvement of Wear Resistance of Pure Titanium (Grade-2) by Boriding Using Electro-beam Evaporation Technique at Room Temperature, BALKANTRIB'14, 8th International Conference on Tribology, 30th October.-1st November, 2014, Sinaia, Romania.
7	G. Purcek (Invited speaker) , M. Demirtas, O. Saray, Z.J. Zhang, Z.F. Zhang, High-strain rate superplasticity at room temperature in two-phase and quasi-single phase Zn-Al alloys, NanoSPD-6 (Nanomaterials by Severe Plastic Deformation), June 30-July 4, 2014, Metz, France.

8	M. Demirtaş, G. Purcek , H.Yanar, Z.J. Zhang, Z.F. Zhang, Improvement in Room-Temperature Damping Capacity of Zn-22Al Alloy by Ultrafine-Grain Formation, NanoSPD-6 (Nanomaterials by Severe Plastic Deformation), June 30-July 4, 2014, Metz, France.
9	H. Yanar, G. Purcek , O. Saray, I. Karaman, H.J. Maier, Effect of aging on structural, mechanical and electrical properties of ultrafine-grained Cu-Cr-Zr alloy, NanoSPD-6 (Nanomaterials by Severe Plastic Deformation), June 30-July 4, 2014, Metz, France.
10	S.M.Aktarer, D.M. Sekban, O. Saray, T. Kucukomeroglu ^c , G. Purcek , Enhancements in mechanical properties of friction stir processed eutectic Al-12Si alloy, NanoSPD-6 (Nanomaterials by Severe Plastic Deformation), June 30-July 4, 2014, Metz, France.
11	E. Senturk, T. Kucukomeroglu, G. Cam, G. Purcek , Effect of Stir Intensity on Microstructure during Friction Stir Welding of Nickel-Aluminum Bronze, NanoSPD-6 (Nanomaterials by Severe Plastic Deformation), June 30-July 4, 2014, Metz, France.
12	Gençağa Pürçek (Invited speaker) , Nanostructuring of bulk materials by severe plastic deformation processes, NanoTR-9, June 24-28, 2013, Erzurum, Turkey.
13	Harun Yanar, Gençağa Pürçek , Onur Saray, Muhammet Demirtaş, İbrahim Karaman, Hans J. Maier, Development an ultra-high strength Cu-Cr-Zr alloy without notably sacrificing the ductility and electrical conductivity by dispersion of nano-sized precipitates inside ultrafine-grained microstructure, NanoTR-9, June 24-28, 2013, Erzurum, Turkey.
14	Muhammet Demirtaş, Gençağa Pürçek , Onur Saray, Harun Yanar, Developing an Ultrafine-Grained or Nanostructured Superplastic Zn-22Al Alloy for Seismic Damper Application, NanoTR-9, June 24-28, 2013, Erzurum, Turkey.
15	Onur Saray, Gençağa Pürçek , İbrahim Karaman and Hans J. Maier, Improvement in stretch formability of ultra-fine grained materials by post-ECAE annealing, NanoTR-9, June 24-28, 2013, Erzurum, Turkey.
16	O. Saray, G. Purcek , B. Mahato, S. G. Chowdhury, Texture Evolution of IF-Steel Sheets Processed by Equal-Channel Angular Sheet Extrusion, ICOTOM-16, The 16 th International Conference on the Texture of Materials, December 12-17, 2011, Bombay, India.
17	Y. Alemdag, G. Purcek , M. Akgün, Effect of severe plastic deformation on the mechanical and tribological properties of Cu-11Sn bronze, The 3 th International Symposium, Bulk Nanostructured Materials, BNM-2011, August 23-26, 2011, Ufa, Russia.
18	G. Purcek , O. Saray, I. Karaman, Impact toughness of ultra-fined grained interstitial-free steel, The 3 th International Symposium, Bulk Nanostructured Materials, BNM-2011, August 23-26, 2011, Ufa, Russia
19	O. Saray, G. Purcek , I.Karaman ^{b,3} , H.J. Maier Thermal stability of ultra-fine grained interstitial-free (IF) steel, The 3 th International Symposium, Bulk Nanostructured Materials, BNM-2011, August 23-26, 2011, Ufa, Russia
20	A. Alsaran, G. Purcek , I. Hacısalihoglu, Y. Vangolu, Ö. Bayrak, I. Karaman, A. Celik, Hydroxyapatite Production on Pure Ti by ECAE And MAO Processes, PSE 2010, Twelfth International Conference on Plasma Surface Engineering, September 13 - 17, 2010, Garmisch-Partenkirchen, Germany
21	G. Purcek , O. Saray, I. Karaman, Influence of cold rolling and equal-channel angular extrusion on the microstructural and mechanical behaviors of Al-40Zn alloy, TMS-2010 Annual Meeting, February 14-18, 2010, Seattle, WA, USA
22	G. Purcek , O. Saray, I. Karaman, Evolution of microstructure and mechanical properties of IF-steel sheets during equal-channel angular sheet extrusion (ECASE) and subsequent annealing, TMS-2010 Annual Meeting, February 14-18, 2010, Seattle, WA, USA.
23	G. Purcek , Y. Alemdag, Research on Materials Science: Connection to Energy Conversion, Kick-Off Meeting of the International Institute for Multifunctional Materials for Energy Conversion (IIMEC), January 25-26, 2010.
24	G. Purcek , O. Saray, O. Kul, Microstructural evolution and mechanical properties of severely deformed Al-12Si casting alloy by equal-channel angular extrusion, BNM-2009, Bulk Nanostructured Materials: from fundamentals to innovations, 22-26 September, 2009, Ufa, Russia.
25	G. Purcek , O. Saray, T. Kucukomeroglu, Processing of IF-steel sheets by continuous equal-channel angular rolling, BNM-2009, Bulk Nanostructured Materials: from fundamentals to innovations, 22-26 September, 2009, Ufa, Russia.
26	G. Purcek , O. Saray, T. Kucukomeroglu, I. Karaman, Effect of equal-channel angular extrusion (ECAE) on the mechanical and wear properties of Zn-Al-based alloys, nanoSPD-IV Conference, August 18-22, 2008, Goslar, Germany.
27	G. Purcek , I. Karaman, O. Saray, T. Kucukomeroglu, Friction and wear properties of pure Ti processed by multi-pass ECAE, nanoSPD-IV Conference, August 18-22, 2008, Goslar, Germany.
28	M. Al-Maharbi, M. Haouaoui, I. Karaman, G. Purcek , Microstructure and Mechanical Properties of ECAE Processed Two-Phase Zinc-Aluminum (Zn-8%Al) Alloy, TMS2008 Annual Meeting & Exhibition, March 9-13, New Orleans, Louisiana, USA.
29	G. Pürçek , O. Saray, I. Karmaman, T. Küçükömeroğlu, Effect of Severe Plastic Deformation on Tensile Properties

and Impact Toughness of Two-Phase Zn-40Al Alloy, BNM-2007, Bulk Nanostructured Materials: from fundamentals to innovations, 14-18 August, 2007, Ufa, Russia

30 **G. Pürçek**, I. Karaman, G.G. Yapici, M. Al-Maharbi, T. Küçükömeroğlu, O. Saray, Microstructural Evolution and Enhancement of Strength and Ductility in Two-Phase UFG Zn-Al alloys, UFG-2006, 2006, Kloster Irsee, Germany.

31 **G. Pürçek**, E. Bacaksız, İ. Miskioğlu, Structure and Nanomechanical Properties of CdTe Thin Film Deposited on Glass at Different Substrate Temperature, NANO-TRII (Nanoscience and Nanotechnology 2006), METU, 2006, Ankara, Turkey.

Books and book chapters

1 B.S. Altan, I. Miskioglu, **G. Purcek** (Co-editor) and R. Mulyukov, "Severe Plastic Deformation: Towards Bulk Production of Nanostructured Materials", Nova Science Publishers, New York, 2006.

2 **Gencaga Purcek**, Burhanettin S. Altan, Ibrahim Miskioglu and Akshay G. Patil, "Improving the Mechanical Properties of severely deformed zinc-Based Alloys through Equal-Channel Angular Deformation," in Severe Plastic Deformation: Towards Bulk Production of Nanostructured Materials, Ed. B. S. Altan, pp.333-348, Nova Science Publishers, New York, 2006.

3 **Gencaga Purcek**, Burhanettin S. Altan and Ibrahim Miskioglu , "A Novel Method for teh Production of Bulk Nanostructured Materials:Equal-Channel Angular Extrusion (ECAE)," in Severe Plastic Deformation: Towards Bulk Production of Nanostructured Materials, Ed. B. S. Altan, pp.483-507, Nova Science Publishers, New York, 2006.

Papers indexed other than SCI-expanded

1 M. Demirel, **G. Purcek**, H. Yan, Z. Zhang, Z. Zhang, Z. Zhang, Effect of Chemical Composition on Grain Size and Superplasticity of Zn-Al Alloys processed by ECAP, *Letters on Materials*, 5 (3) (2015) 338-345 on RT

2 O. Saray, **G. Purcek**, B. Mahato, S. Ghosh Chowdhury, Texture Evolution of IF-Steel Sheets Processed by Equal-Channel Angular Sheet Extrusion (ECASE), *Materials Science Forum*, 702-703 (2012) 123-127.

3 M.I. Nagimov, **O. Saray**, A.A. Nazarov, **G. Purcek**, I.M. Safarov, O.R. Valiakmetov, V.I. Danilenko, R.R. Mulyukov, *Perspektivnye Materialy*. 12 (2011).

4 M.I. Nagimov, A.A. Nazarov, O. Saray, **G. Purcek**, O. Valiakmetov, I.M. Safarov, R.R. Mulyukov, Microstructure and mechanical properties of ultrafine grained copper processes by multiple isothermal forging, *Letters on Materials*, 1(3) (2011) 151-155.

5 **Gencaga Purcek**, Murat Aydın, Onur Saray, Tevfik Kucukomeroglu, Enhancement of tensile ductility of severe plastically deformed two-phase Zn-12Al alloy by equal channel angular extrusion, *Materials Science Forum*, 633-634 (2010) 437-447.

6 T. Küçükömeroğlu, **G. Pürçek**, O. Saray, L. Kara, Investigation of friction and wear behaviors of CuSn10 alloy in vacuum, *Journal of Achievements in Materials and Manufacturing Engineering*, 30(2) (2008) 172-176.

7 T. Savaskan, Y. Alemdag, G. Purcek and T. Kucukomeroglu, The Effect of bath temperature and current density on the Plating Properties in Decorative Chromium Plating, *Engineer and Machine (Mühendis ve Makina)*, 494 (2001) 38-42.

8 T. Savaskan and **G. Pürçek**, Wear Behaviour of Zinc-Aluminium Alloys and the bearings Produced From these Alloys, *Tr. J. Engineering and Environmental Sciences*, 24 (2000) 25-34

9 **G. Purcek**, T. Kucukomeroglu and T. Savaskan, Examination of Tribological Properties of the Bearings Produced from the Zinc-Aluminium-Based Alloys , *Engineer and Machine (Mühendis ve Makina)*, 37 (1996) 35-41.

PROJECTS

Under Work

Duty	Subject/Funder/Place
1 Manager (PI)	"Development of a high-performance Cu-Cr-Zr as an electrode material by the combined effect of severe plastic deformation and aging, and establishing a semi-product pilot system for this production", Republic of Turkey Ministry of Science, Industry and Technology, Directorate of Science and Technology, Industrial Thesis Project (SAN-TEZ), Project No:1533.STZ.2012-2, Trabzon-Turkey, 2012-2015
2 Manager (PI)	Project Manager , "Improvement of superplastic behavior of Zn-22Al alloy at room temperature and research its applicability as a damper material", Scientific Research Projects of Karadeniz Technical University, Project No: 10501, Trabzon- Turkey, 2014-2017.
3 Consultant	Application of friction stir processing to fabricate ultra-fine grained, high strength and light-weight automobile body parts: Deformation behavior, structural and mechanical properties, TÜBİTAK-3501 Career Development Program, Project No: 115M649, Turkey, 2015-2017.

4	Researcher	Investigation of The Effect of BN (Boron Nitride) Addition On Non-Asbestosis Composite Brake Pads, National Boron Research Institute (BOREN), No: 2014.Ç019, Ankara-Turkey, 2014-2015
5	Researcher	“Investigation the Effect of Zinc and/or Copper Addition on Structural, Mechanical and Tribological Properties of Commercially Used Al-7Si and Al-12Si Alloys”, Scientific Research Projects of Karadeniz Technical University, Project No: 8650,. Trabzon- TURKEY, 2012-2015.
Completed		
1	Manager (PI)	Production of Nanostructured and High-Strength Pure Titanium: Investigations of Structural, Mechanical and Tribological Properties, Scientific Research Projects of Karadeniz Technical University, Project No: 2009.112.0003.1, Trabzon- TURKEY, 2010-2012.
2	Manager (PI)	Structure and mechanical properties of nanostructured copper produced by different severe plastic deformation methods, Joint Research Project between Scientific and Technological Research Council of Turkey (TUBITAK) and Russian Foundation for Basic Research (RFBR), Project No: 108M412, Turkey, 2009-2011.
3	Manager (PI)	Production of Ultra-Fine Grained and High strength IF-Steel by Equal-Channel Angular Extrusion and Application of this Method to IF-Steel Sheets, Scientific and Technological Research Council of Turkey (TUBITAK), Project No: 107M618, Turkey, 2008-2010.
4	Manager (PI)	Bulk Production of Nanostructured Zn-Al-Based Alloys by Severe Plastic Deformation: Microstructural, Mechanical and Tribological Properties, Scientific and Technological Research Council of Turkey (TUBITAK), Project No: 104M289, Turkey, 2005-2008.
5	Manager (PI)	Production of Ultra-Fine Grained and High Strength IF-Steel by Equal-Channel Angular Extrusion, Scientific Research Projects of Karadeniz Technical University, Trabzon-TURKEY, Project No: 2008.112.003.6, Turkey, 2009-2011.
6	Manager (PI)	Investigations of Tribological Properties of Nano-Structured Bearing Alloys Produced by Severe Plastic Deformation, , Scientific Research Projects of Karadeniz Technical University, , Project No: 2006.112.003.5, TURKEY 2006-2009.
7	Researcher	Investigation of Tribological Properties of Thin Film Coated 100Cr6 steel under Vacuum Condition, Scientific Research Projects of Karadeniz Technical University, Project no: 2008.112.03.10, TURKEY, 2009-2011.
8	Consultant	Designing and Production of a Multi-purposes and Modular Friction and Wear Test System, Republic of Turkey Ministry of Science, Industry and Technology, Directorate of Science and Technology, Tekno-girişim Project, Project No: TGSD No: 0177.TGSD.2013, Turkey, 2013-2014.
9	Consultant	Production of Nanostructured, High-strength and Biocompatible α/β -Types Ti and its Alloys for Implant Application, Republic of Turkey, Ministry of Science, Industry and Technology, Directorate of Science and Technology, Tekno-girişim Project, Project No: 1180.TGSD. 2012, Turkey, 2012-2013.
10	Consultant	Designing and Production of Experimental Sets” Republic of Turkey Ministry of Science, Industry and Technology, Directorate of Science and Technology, Tekno-girişim Project, Project No: TGSD No: 0080.TGSD. 2011, Turkey, 2011-2011
11	Researcher	Investigations of Tribological Properties of Bearing Alloys in Vacuum Environment, Scientific Research Projects of Karadeniz Technical University, Project No: 2006.112.003.6, TURKEY, 2006-2009.
12	Researcher	Developing of the Zinc-Aluminium-Based Bearing Alloys and Examination of Tribological Properties of the Bearings Produced from these Alloys, Project No: MISAG-31. (DPT), Scientific and Technological Research Council of Turkey (TUBITAK), Project No: MISAG-31. (DPT), Turkey, 1995-1998.
13	Researcher	Examination of Tribological Properties of Bearings Produced from Zinc-Aluminium Based Alloys Under Static and Dynamic Loading, Scientific Research Projects of Karadeniz Technical University, Project No: 96.112.003.2, TURKEY, 1996-2000.
REVIEWER FOR		
1	Wear	
2	Materials Performance and Characterization	

3	Metallurgical and Materials Transactions A
4	Materials Science and Engineering A
5	Journal of Materials Processing Technology
6	Surface and coating technology
7	Tribology International
8	Steel Research International
9	Tribology Letter
10	Industrial Lubrication and Tribology
11	Physica Status Solidi A-Applications and Materials Science
12	Materials Transactions
13	Materials Letters
14	Powder Technology
15	Materials Chemistry and Physics
16	Current Nanoscience
17	Materials and Design
18	Materials Characterization
19	Advanced Engineering Materials
20	The Scientific World Journal
21	Journal of Engineering Manufacture
22	Advances in Tribology
23	Journal of Engineering Tribology
24	Journal of the Balkan Tribological Association
25	Advances in Materials Science and Engineering
26	Tribology in Industry
27	Materials
28	ISRN Metallurgy
29	SOJ Materials Science & Engineering
30	Mühendis ve Makina (Machine and Engineer)
31	Journal of the Faculty of Engineering and Architecture of Gazi University

CITATIONS

1	H-index: 13
2	About 500 citations

CONSULTING FOR PRIVATE COMPANIES

	Years	Company
1	2015-2017	UTS Engineering, Trabzon Technology Development Center, Trabzon, Turkey
2	2013-2014	UTS Engineering, Trabzon Technology Development Center, Trabzon, Turkey
3	2012-2014	Sağlam Metal, Inc., Gebze Industrial Region, Kocaeli, Turkey
4	2012-2013	UTS Design, Trabzon Technology Development Center, Trabzon, Turkey
5	2011-2012	UTS Dizayn, Trabzon Technology Development Center, Trabzon, Turkey

MEETINGS, PANELS AND OTHER SCIENTIFIC AND TECHNOLOGICAL ACTIVITIES

	Duty	Date	Place	Organization
1	Expert	2016		National Science Center, Poland, Project title: "Design and physicochemical, thermal properties of low temperature metal alloys based on Gallium".
2	Referee	2016	Bursa, Turkey	TÜBİTAK-TEYDEP 1507, Bolt Bağlantı Elemanları, Project Assessment
3	Expert	2016		EUROKA-Eurostars Projects, E10558 - HARaMold, Project title: High aspect ratio mold production using water guided laser machining.
4	Expert	2015	Kocaeli, Turkey	Republic of Turkey Ministry of Science, Industry and Technology, Kanca Research Center Annual Report
5	Panelist	2015	Ankara, Turkey	TÜBİTAK-Engineering Research Group, 1001 Project Assessment Panel

6	Expert	2014	Bursa, Turkey	TÜBİTAK-TEYDEP 1507, Project Assessment
7	Panelist	2014	Ankara, Turkey	TÜBİTAK-Engineering Research Group, 1001 Project Assessment Panel
8	Panelist	2013	Ankara, Turkey	TÜBİTAK-Engineering Research Group, 1001 Project Assessment Panel
9	Expert	2013	Ankara, Turkey	TÜBİTAK-TEYDEP, Project Assessment
10	Expert	2014	Bursa, Turkey	Republic of Turkey Ministry of Science, Industry and Technology, Coskunoz Research Center Annual Report
11	Panelist	2014	Ankara, Turkey	TÜBİTAK-Engineering Research Group, 1001 Project Assessment Panel
12	Expert	2014	İstanbul, Turkey	TÜBİTAK-TEYDEP, Project Assessment
13	Panelist	2014	Ankara, Turkey	TUBITAK, Workshop on Materials Technologies Towards Lightening in Automotive Sector
14	Observer	2014	Karabük, Turkey	TUBITAK- KAMAK-1007, Project Assessment
15	Panelist	2014	Bursa, Turkey	TÜBİTAK-TEYDEP 1501, Project Assessment
16	Panelist	2013	Ankara, Turkey	TÜBİTAK-TEYDEP 1507, Project Assessment
17	Referee	2013	Ankara, Turkey	TÜBİTAK-TEYDEP 1007, Project Assessment
18	Panelist	2013	Ankara, Turkey	Republic of Turkey Ministry of Science, Industry and Technology, Project Assessment, SAN-TEZ Projects
19	Panelist	2013	Ankara, Turkey	TÜBİTAK-TEYDEP 1007 KAMAK, Project Assessment Program
20	Panelist	2012	Ankara, Turkey	TÜBİTAK-Engineering Research Group, 1001 Project Assessment Panel
21	Panelist	2012	Ankara, Turkey	TUBITAK co-funded brain circulation scheme individual assessment
22	Panelist	2012	Ankara, Turkey	TUBITAK- KAMAK-1007, Project Assessment
23	Panelist	2012	Ankara, Turkey	TUBITAK Assessment Panel of Research Scholarship, 2214/2219 Scholarship for Research Abroad
24	Course	2012	Trabzon, Turkey	Patent Applications and Procedures
25	Panelist	2012	Ankara, Turkey	TUBITAK- KAMAK-1007, Project Assessment
26	Observer	2010-2012	Erzurum, Turkey	TUBITAK, 1001-Basic research project program, Project No: 109M050,
27	Panelist	2011	Ankara, Turkey	TÜBİTAK-TEYDEP 1507, Project Assessment
28	Panelist	2010	Ankara, Turkey	TÜBİTAK-Engineering Research Group, 1001 Project Assessment Panel
29	Panelist	2010	Ankara, Turkey	TÜBİTAK-Engineering Research Group, 1001 Project Assessment Panel
30	Observer	2009	Ankara, Turkey	TUBITAK- KAMAK-1007, Project
31	Reporter	2009	Ankara, 2009	TUBITAK, Assessment Panel of International Projects
32	Panelist	2009	Ankara- Turkey	TÜBİTAK-Engineering Research Group, 1001 Project Assessment Panel
33	Panelist	2009	Ankara, Turkey	TÜBİTAK-Engineering Research Group, 1001 Project Assessment Panel
34	Participant	2008	Kocaeli, Turkey	TUBITAK, First Workshop of Human Resources
35	Panelist	2007	Ankara, Turkey	TÜBİTAK-Engineering Research Group, 1001 Project Assessment Panel
36	Member	2005	Zonguldak, Turkey	Committee member of III. Iron-Steel Congress,
37	Participant	2006	Ankara, Turkey	NANOTECHNOLOGY RESEARCH FORUM, Middle East Tech. Univ.
38	Participant	2005	Ankara, Turkey	NANO TRI (Nanoscience and Nanotechnology 2005), Bilkent University
39	Course	2005	Kocaeli, Turkey	TUBITAK Project Management Course, TUBITAK-TUSSIDE,

SEMINARS, COURSES AND OTHER ACTIVITIES GIVEN

	Type	Date	Subject/Organization/Place
1	Course	2015	TÜBİTAK 1601 – Supporting program for capacity improvement in innovation and entrepreneurship areas (Yenilik ve Girişimcilik Alanlarında Kapasite Artırılmasına Yönelik Destek Programı), 2015-2018, Karadeniz Technical University, Trabzon/Türkiye
2	Seminar	2015	“Effect of Ultrafine Grain Formation on Impact Toughness and Ductile to Brittle Transition temperature of ultra-low carbon steels”, Institute of Metal Research (IMR), Chinese Academy of Sciences, July 23, 2015, Shenyang, China
3	Course	2015	“Training of Preparation of Research Project in Basic and Applied Sciences”, TUBITAK, 2237-Project Training Activities Supporting Program, August 18-20, 2014, Karadeniz Technical University, and Trabzon-Turkey.
4	Course	2014	“Training of Preparation of Research Project in Engineering Sciences”, TUBITAK, 2237-

			Project Training Activities Supporting Program, May 17-19, 2014, Kafkas University, Kars-Turkey.
5	Course	2014	Training of Preparation of Research Project in Natural and Engineering Sciences, TUBITAK, 2237-Project Training Activities Supporting Program, April 12-12, 2014, Karadeniz Technical University, Trabzon-Turkey.
6	Seminar	2014	Funding Towards Private Sector by Turkish Government, Trabzon-Arsin Organized Industrial Zone Management Board, March 27, 2014, Trabzon-Turkey.
7	Seminar	2014	Funding Towards Private Sector by Turkish Government, TÜMSİAD, March 01, 2014, Trabzon-Turkey.
8	Seminar	2014	University – Industry – Industry Relationship, KUYAP-Operation for Increasing Adaptability of Employers and Employees to the Changes in Global Economy, February 4, 2014, Trabzon, Turkey.
9	Seminar	2013	“Severe Plastic Deformation: <i>Towards Bulk Production of Ultrafine-grained/Nanostructured Materials</i> ”, Institute of Metal Research (IMR), Chinese Academy of Sciences, September 10, 2013, Shenyang, China.
10	Course	2012	“CV Preparation Techniques, Karadeniz Technical University, Macka Collage, May 16, 2012.
11	Course	2011	Effective Presentation Techniques, Eastern Black Sea Development Agency, December 22-23, 2011, Trabzon, Turkey.
12	Seminar	2011	“Nanotechnology: A new dimension in technology”, Karadeniz Technical University, Social Sciences Institutes, December 8, 2011, Trabzon-Turkey.
13	Seminar	2011	CV Preparation Techniques and Effective Presentation Techniques, Turkey Labour Foundation (İSKUR) September 5 – November 4, 2011, Karadeniz Technical University, Trabzon, Turkey.
14	Seminar	2009	“ <i>Research on “Severe Plastic Deformation” at Karadeniz Technical University</i> ”, Mechanical Engineering Department, Texas A&M University, November 4, 2009, College Station, Texas, USA.
15	Seminar	2009	“ <i>Interstitial-Free Steel (If-Steel) and Its Processing By Severe Plastic Deformation</i> ”, Institute of Superplastic Problems, Russian Academy of Sciences, September 28, 2009, Ufa, Russia.
16	Seminar	2009	<i>Engineering Materials using in Medical Area and Their Applications</i> , Mechanical Engineering Department, Karadeniz Technical University, May 13, 2009, Trabzon, Turkey.
17	Seminar	2009	“ <i>Nanotechnology and applications</i> ”, Mechanical Engineering Department, Karadeniz Technical University, June 10, 2009, Trabzon, Turkey.

SOCIETY MEMBERSHIP

1	TMMOB Turkish Chamber of Mechanical Engineers
2	Turkey Tribological Association
3	Community of Science
4	Materials Research Society (MRS)

SESSION CHAIRMAN IN THE INTERNATIONAL CONGRESSES

1	TURKEYTRIB 2015, 1st International Conference on Tribology, 07 - 09 October 2015, Istanbul, Turkey.
2	9th Nanoscience and Nanotechnology Conference (NanoTR-9), June 24-28, 2013, Erzurum, Turkey
3	Bulk Nanostructured Materials: from fundamentals to innovations (BNM-2009), September 22-26, 2009, Ufa, Russia

SCHOLARSHIPS/HONORS/AWARDS

	Type	Date	Organization
1	Associateship	2016-2018	TWAS-UNESCO Associateship Scheme for Institute of Metal Research, China (Two-month visit for every year)
2	Associateship	2012-2015	TWAS-UNESCO Associateship Scheme for Institute of Metal Research, China (Two-month visit for every year)
3	Scholarship	2009-2010	TUBITAK Scholarship for postdoctoral research, Texas A&M University, Collage Station, TX, USA
4	Scholarship	2003-2005	TUBITAK NATO-B1 Scholarship for postdoctoral research, Michigan Technological University, Houghton, MI, USA

5	Award	2009	The 3th poster presentation award in the 19. National Electron Microscopy Congress, Trabzon, Turkey
6	Award	2008	The 3th oral presentation award in “IV. National Biomechanics Congress, Erzurum, Turkey
7	Award	2007	Bronze Medal for the poster presentation in the International Symposium “Bulk nanostructured materials: from fundamentals to innovations”, BNM-2007, Ufa, Russia
8	Fellowship	1988-1996	Excellence Student fellowship during under-graduate and post-graduate education
9	Award	1987-1991	Honor students in all semester during under-graduate education

SHORT-TERM SCIENTIFIC VISITS

1	Visit to the Institute of Superplastic Problems, Russian Academy of Sciences, Ufa, Russia, September 28-October 8, 2009		
2	Visit to the Institute of Superplastic Problems, Russian Academy of Sciences, Ufa, Russia, August 27-September 7, 2010		
3	Visit to the Institute of Superplastic Problems, Russian Academy of Sciences, Ufa, Russia, August 15-25, 2011		

THESIS SUPERVISED

Ph.D.			
1	Harun Yanar	Pre-proficiency	
2	Orhan Aydın	Pre-proficiency	
3	Muhammet Altuntaş	Development of Zn-based superplastic alloys as passive seismic damping materials: Investigation of composition-process-microstructure-mechanic property-seismic performance relationships”, Mechanical Engineering Department, Graduate School of Natural and Applied Sciences, Karadeniz Technical University, Trabzon, Turkey (Continued).	
4	Gökan Kara	Boriding of Ti and its Alloys for Biomedical Applications: Investigation of Microstructure, Mechanical Properties and Biocompatibility”, Mechanical Engineering Department, Graduate School of Natural and Applied Sciences, Karadeniz Technical University, Trabzon, Turkey (Continued).	
5	Murat Segban	Improving of Microstructural, Mechanical and Formability Properties of Low Carbon Steels by Friction Stir Processing (FSP)”, Mechanical Engineering Department, Graduate School of Natural and Applied Sciences, Karadeniz Technical University, Trabzon, Turkey (Continued).	
6	Onur Saray	Production of Ultra-Fine Grained and High strength IF-Steel by Equal-Channel Angular Extrusion and Application of This Method to IF-Steel Sheets, Mechanical Engineering Department, Graduate School of Natural and Applied Sciences, Karadeniz Technical University, July, 2013, Trabzon, Turkey.	

MSc			
1	Harun Yanar	Developing High Performance Cu-Cr-Zr Spot Welding Electrodes Material with combining effect of severe plastic deformation and aging”, Graduate School of Natural and Applied Sciences, Karadeniz Technical University, August 2014, Trabzon, Turkey.	
2	Faruk Ünker	Investigation of the Effect of Severe Plastic Deformation on Formability and Corrosion Behavior of Titanium”, Mechanical Engineering Department, Graduate School of Natural and Applied Sciences, Karadeniz Technical University, August 2012, Trabzon, Turkey.	
3	Oktay Kul	Investigation of Microstructural Evolution, Tensile Properties and Wear Behavior of Pure Titanium and Al-Si12 Casting Alloy Processed by Severe Plastic Deformation”, Mechanical Engineering Department, Graduate School of Natural and Applied Sciences, Karadeniz Technical University, July 2009, Trabzon, Turkey.	
4	Onur Saray	Effect of Equal-Channel Angular Extrusion on structural, mechanical and Wear Properties of Zn-60Al and Zn-60Al-2Cu Alloys”, Mechanical Engineering Department, Graduate School of Natural and Applied Sciences, Karadeniz Technical University, July 2006, Trabzon, Turkey.	

COMMITTEE MEMBERSHIP

Ph.D.			
1		Investigation of Performance Properties of Modified Asphalt by Boron-Containing Additive, Civil	

	Bahadır Yılmaz	Engineering Department, Graduate School of Natural and Applied Sciences, Karadeniz Technical University, 28 March, 2016, Trabzon, Turkey.
2	Levent Kara	Darbeli DC Kapalı Alan Dengesiz Manyetik Alanda Sıçratma Yöntemiyle TiAlCrNbN Dereceli Kompozit Filmin H13 Kalıp Çeliği Üzerine Kaplanması: Mekanik ve Tribolojik Özelliklerin Araştırılması”, Mechanical Engineering Department, Graduate School of Natural and Applied Sciences, Karadeniz Technical University, 15 May, 2015, Trabzon, Turkey.
3	Faruk Güner	“Numerical and Experimental Investigation of Metal Powder Compaction Process”, Mechanical Engineering Department, Graduate School of Natural and Applied Sciences, Karadeniz Technical University, 09 October 2014, Trabzon, Turkey.
4	Onur Saray	"Development of High Strength IF-Steel by Equal Channel Angular Extrusion/Pressing and Application of the Method to IF-Steel Sheets", Mechanical Engineering Department, Graduate School of Natural and Applied Sciences, Karadeniz Technical University, July 08, 2013. Trabzon, Turkey.
5	Salih Yılmaz	Salih Yılmaz , “Production of diluted magnetic ZnO semi-conductors and Investigation of Their Some Structural, Optic and Magnetic Properties”, Department of Physic, Graduate School of Natural and Applied Sciences, Karadeniz Technical University, 2013, Trabzon, Turkey.
6	Murat Bostancıoğlu	“ <i>Bitkisel Atıklardan Elde Edilen Kimyasal Ürünler ile Bitümlü Sıcak Karışımların Mekanik Özelliklerinin Geliştirilmesi</i> ” KTÜ Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, 2012.
7	İzzet Karakurt	“ <i>Aşındırıcı Su Jeti (ASJ) ile Kesmede Parametrik Değişimlerin ve Kayaç Özelliklerinin Kesme Performansı ve Kesme Mekanizması Üzerindeki Etkilerinin Araştırılması</i> ” KTÜ Fen Bilimleri Enstitüsü, Maden Mühendisliği Anabilim Dalı, 2011.
8	Fatma Birinci	KTÜ Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, Devam Ediyor.
9	Yasin Alemdağ	"Examination of Structural, Mechanical and Tribological Properties of Al-40Zn-Based Alloys Containing Copper, Silicon or Nickel", Mechanical Engineering Department, Graduate School of Natural and Applied Sciences, Karadeniz Technical University, 05 July 2007, Trabzon, Turkey.

MSc

1	Abdurrahman Meteoglu	Investigation Of Compact Part Production From Rapidly Solidified Melt Spinning CuAl10Ni5Fe4 Alloy Powders And Analysing Tribological Properties, Graduate School of Natural and Applied Sciences, Metallurgical and Materials Engineering, Karadeniz Technical University, August 2016, Trabzon, Turkey.
2	Kürşat İçir	Nb-Fe-B Permanent Magnet Produced with Melt Spinning and Investigated Structural and Magnetic Properties, Graduate School of Natural and Applied Sciences, Metallurgical and Materials Engineering, Karadeniz Technical University, May 2016, Trabzon, Turkey.
3	Harun Yanar	Developing High Performance Cu-Cr-Zr Spot Welding Electrodes Material with combining effect of severe plastic deformation and aging”, Graduate School of Natural and Applied Sciences, Karadeniz Technical University, August 2014, Trabzon, Turkey.
4	Ümit Kartal	“Examination of the Production of Nickel Titanium Shape Memory Alloys”, Nikel Titanyum Şekil Bellekli Alaşımın Üretimini İncelenmesi”, Minin Engineering Department, Graduate School of Natural and Applied Sciences, Karadeniz Technical University, November 16, 2013, Trabzon, Turkey.
5	Faruk Ünker	“Investigation of the Effect of Severe Plastic Deformation on Formability and Corrasion Behavior of Titanium”, Mechanical Engineering Department , Graduate School of Natural and Applied Sciences, Karadeniz Technical University, August 15, 2012, Trabzon, Turkey.
6	Oktay Kul	“Investigation of Microstructural Evolution, Tensile Properties and Wear Behavior of Pure Titanium and Al-Si12 Casting Alloy Processed by Severe Plastic Deformation”, Mechanical Engineering Department, Graduate School of Natural and Applied Sciences, Karadeniz Technical University, July 24, 2009, Trabzon, Turkey.
7	Onur Saray	“Effect of Equal-Channel Angular Extrusion on structural, mechanical and Wear Properties of Zn-60Al and Zn-60Al-2Cu Alloys”, Mechanical Engineering Department, Graduate School of Natural and Applied Sciences, Karadeniz Technical University, August 21, 2006 , Trabzon, Turkey.

JURY MEMBERSHIP

Appointment

1	Assoc. Prof. Dr. Osman Bican	Department of Metallurgical and Materials Engineering, University, 2015
2	Prof. Dr. Burhanettin Altan	Department of Mechanical Engineering, Giresun University, 2015

3	Assist. Prof. Dr. Yenal Vangölu	Department of Biomedical Engineering, Atatürk University, 2015
4	Prof. Dr. Osman ASİ	Department of Mechanical Engineering, Uşak University, 2013
5	Assist. Prof. Dr. Şevket Güney	Department of Energy Systems Giresun University, 2013
6	Assist. Prof. Dr. Ruhi Yeşildal	Department of Mechanical Engineering, Atatürk University, 2012
7	Assist. Prof. Dr. Fatih Yıldız	Department of Mechanical Engineering, Atatürk University, 2011
8	Assist. Prof. Dr. Ali Kaya	Department of Mechanical Engineering, Gümüşhane University, 2009
9	Assist. Prof. Dr. M. Sabri Gök	Department of Mechanical Engineering, Gümüşhane University, 2009

Associate Professor Evaluation Committee Member

1	Dr. Eyyup Gerçekçioğlu	Department of Mechanical Engineering, Erciyes University, 2015.
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INSTRUCTED COURSES

Undergraduate Courses

1	Materials Science-I
2	Materials Science-II
3	Manufacturing Processes-I
4	Manufacturing Processes II
5	Experiments in Mechanical Engineering (Metallography and Destructive Metal Testing)
6	Final Year Thesis
7	Design Project

Postgraduate Courses

1	Mechanical Testing of Engineering Materials
2	Strengthening Mechanisms in Metals
3	Tribology

COLLABORATIONS

	Group Leader	Institute
1	Prof. Dr. Z.F. Zhang Prof. Dr. Z.Y. Ma	Institute of Metal Research, Chinese Academy of Sciences, Shenyang, China. (http://www.synl.ac.cn/org/mat/english/index.html).
2	Dr. Megumi Kawasaki	Division of Materials Science and Engineering, Hanyang University, Seoul 133-791, South Korea, University of Southern California, Department of Aerospace and Mechanical Engineering, Los Angeles, California 90089-1453. USA, (http://ame-www.usc.edu/personnel/researchFac/kawasaki/)
3	Prof. Dr. Ibrahim Karaman	Department of Mechanical Engineering, Texas A&M University, Collage Station TX77843-3123, USA (http://www1.mengr.tamu.edu/MESAM/index.html).
4	Prof. Dr. Hans J. Maier	Institut für Werkstoffkunde, Leibniz Universität Hannover, Hannover, Germany (http://www.iw.uni-hannover.de/hjm.html)
5	Prof. Dr. Sergey Dobatkin	A.A.Baikov Institute of Metallurgy and Materials Science, Russian Academy of Sciences, Leninskiy prospect 49,119991 Moscow, Russia. http://www.istc.ru/istc/db/inst.nsf/all/30F77AD463BFDFBEC32567DF00294961?opendocument
6	Prof. Dr. I. Miskioglu	Department of Mechanical University, Michigan Technological University, Houghton, MI, USA. (http://www.me.mtu.edu/)
7	Prof. Dr. Ayrat A. Nazarov Prof. Dr. R. Mulyukov	Institute for Metals Superplasticity Problems, Russian Academy of Sciences, 39 Khalturin street, Ufa 450001, Russia. (http://www.imsp.ru).
8	Prof. Dr. Akgün Alsaran	Ataturk University, Department of Mechanical Engineering, Erzurum, 25240, Turkey

LAST UPDATE

JULY 30, 2015