

CURRICULUM VITAE

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EDUCATION

- Undergraduate** B.Sc., Marmara University, Technical Education Faculty, Material Department, 1994
- Masters** M.Sc., Marmara University, Science and Technology Institute, Department of Materials Science Program, 1996
- Ph.D.** Ph.D., Marmara University, Science and Technology Institute, Department of Materials Science Program, 2003

THESIS

- B.Sc.** Advisor: Assoc. Prof. H. KURT, "C-Type Hydraulic Press Design and Manufacturing", Marmara University, Technical Education Faculty, Material Department, July 1994.
- M.Sc.** Advisor: Prof.Dr. S.SALMAN, "Investigation of Mechanical Properties of Structural Ferrous Parts Manufactured by Powder Metallurgy", Marmara University, Science and Technology Institute, Department of Materials Science Program, July 1996.
- Ph.D.** Advisor: Prof.Dr. S.SALMAN, "The Effect of Two Types of Added Boron on the Microstructure and Mechanical Properties of 17-4 PH Stainless Steel Parts Produced by Powder Injection Molding", Marmara University, Science and Technology Institute, Department of Materials Science Program, September 2003.

PROFESSIONAL SOCIETIES

- 1995- Turkish Powder Metallurgy Assoc.
- 2003- TMS
- 2003- APMI

ACADEMIC POSITIONS

1994-2005	Research Assistant Marmara University Technical Education Faculty Materials Science Division 81040, Göztepe - Istanbul / TURKEY
1998-2006	Researcher (Part time) TUBITAK-MRC Materials and Chemical Technologies Research Institute, Kocaeli
2005-2010	Assistant Professor Marmara University Technical Education Faculty Materials Science Division 81040, Göztepe - Istanbul / TURKEY
2007-2008	Post-Doctoral Center of advances Vehicular System, CAVS Mississippi State Univ. Starkville, MS, USA
2008-2011	Advisor TUBITAK-MRC Materials and Chemical Technologies Research Institute, Kocaeli
2010-2016	Assoc. Professor Marmara University Technology Faculty Metallurgical and Materials Engineering Department 81040, Göztepe - Istanbul / TURKEY
2014-2014	Visiting Scientist San Diego State University Mechanical Eng. San Diego, CA, USA
2016-Present	Full Professor Marmara University Technology Faculty Metallurgical and Materials Engineering Department 81040, Göztepe - Istanbul / TURKEY
2018-2018	Visiting Scientist University of Louisville Mechanical Eng. Louisville, KY, USA

APPOINTMENT

Coordinator	Marmara University, Scientific Research Project Foundation
Vice od Dean	Marmara University, Technology Faculty
Director	Marmara University, Nanotechnology and Biomaterial Research and Implementation Centre
Head of Chair	Marmara University, Technology Faculty, Material Science
Member of Quality Board	Marmara University
Member of Scientific Research Project Foundation Board	Marmara University
Member of Faculty Committee	Marmara University, Technology Faculty
Member of Faculty Board	Marmara University, Technology Faculty
Member of The Academic Incentive Board	Marmara University

PROJECTS

1. 1998 - 2001: **Project Researcher**, "The Investigation of Wear Behaviors in Different Ceramic Coatings depends on Coating Thickness and Surface Roughness", (Marmara University Research Fund)
2. 2002 - 2006: **Project Researcher**, "Effect of Different Boron Additions on Sintering Behaviors, Mechanical Properties and Machinability of Different Iron Powder", (Marmara University Research Fund)
3. 2006-2007: **Project Coordinator**, "Production of Al-B4C composites parts by powder injection molding", (Marmara University Research Fund)
4. 2006-2007: **Project Coordinator**, "Enhancing of stainless steel produced by powder injection molding", (Marmara University Research Fund)
5. 2006-2009: **Project researcher**, "Production of body armour for defense and military", (DPT Research Fund)
6. 2007- 2008: **Project researcher**, "Production of Heavy Vehicle Components from Low-Cost Ti Powder", Department of Energy (DOE), USA
7. 2008- 2009: **Project Coordinator**, "Improvement of wear properties of cast irons", (Marmara University Research Fund)
8. 2008 - 2010: **Project Coordinator**, "Improvement of wear properties of cast irons", (Marmara University Research Fund)
9. 2008 - 2009: **Project Coordinator**, Injection molded Ti and stainless steel part for biomedical applications and biomaterial" , (Marmara University Research Fund)
10. 2008 - 2010: **Project Coordinator**, " Injection molded and extruded WC-Co part for tool and machinery applications", (Marmara University Research Fund)
11. 2008 - 2009: **Project Coordinator**, "Shaping of SiC parts by advances powder metallurgy processing", (Marmara University Research Fund)
12. 2010-2013 : **Project Coordinator**, "PIM of 316L stainless steel for medical and Bio-materials (Marmara University Research Fund)
13. 2012-2015 : **Project Coordinator**, "New titanium alloys for bio-applications: invivo and invitro bio activity" (Marmara University Research Fund)
14. 2013-2015: **Project Coordinator**, "Production and characterization of Superalloy foams"

15. 2015-2016 : **Project Coordinator**, “PIM of Boron carbide blast nozzle: production, characterization and application” (Tubitak-1003)
16. 2014-2016: **Project Coordinator**, “Rheological properties of boron carbide feedstock” (Marmara University Research Fund)
17. 2014-2015 **Project Coordinator**, “PIM of cobalt based superalloys : production, microstructural evolution and mechanical properties” (Marmara University Research Fund)
18. 2012-2015 : **Project Coordinator**, “Nickel based super alloys manufactured by space holder technique” (Marmara University Research Fund)
19. 2017-2018 : **Project Coordinator**, “Powder injection molding of co-based superalloys : Microstructure, mechanical and corrosion properties”, (Marmara University Research Fund)
20. 2013-2015 : **Project Manager**, “Production of superalloys by powder metallurgy”, (Marmara University Research Fund)
21. 2014-2016 : **Project Manager**, “Powder injection molding of Boron Carbide parts : Production and wear properties”, (Tubitak-1003-213M26)
22. 2013-2016 : **Project Coordinator**, “Nickel based superalloys foams : production, structure and mechanical properties”, (Marmara University Research Fund)
23. 2015-2016 : **Proje researcher**, “Improvement of Marmara University facility”, Tubitak-1501
24. 2015-2017 : **Project Coordinator**, “Rheological and debinding properties of boron carbide feedstocks, (Marmara University Research Fund)
25. 2013-2016 : **Project Coordinator**, “PIM of 316L SS for biomedical applications”, (Marmara University Research Fund)
- 26.

PUBLICATIONS AND PRESENTATIONS

Peer-Reviewed Journal Articles

1. **Gulsoy H.O**, Salman S., Özbek S.; “Effect of Boron Additions On Mechanical Properties of Injection Molded 17-4 PH Stainless Steel Powder” *Journal of Material Science* 39 (15): 4835-4840, August 2004
2. **Gulsoy H.O**, Salman S.; “Microstructural and Mechanical Properties of Injection Moulded 17-4PH stainless steel powder with Nickel Boride additions”, *Journal of Material Processing Technologies, Journal of Material Science*, 40 (2005) 3415 – 3421
3. **Gulsoy H.O.**; “Influence of Nickel Boride Additions on Sintering Behaviors of Injection Moulded 17-4PH Stainless Steel Powder”, *Script Materialia*, 53 (3), 187-192 2004
4. **Gulsoy H.O**, Salman S., Özbek S., Findik F., “Sintering of a Boron-Doped Injection Moulded 17-4PH Stainless Steel”, *Journal of Material Science Letters*, 40 (2005) 4101 – 4104
5. **Gulsoy H.O.**, “Dry Sliding Wear in Injection Moulded 17-4PH Stainless Steel Powder with Nickel Boride Additions”, *Wear*, 262 (2007) 491–497
6. **Gulsoy H.O.**, Özbek S., Baykara T., “Microstructural and Mechanical Properties of Injection Molded Gas and Water Atomized 17-4 PH Stainless Steel Powder”, *Powder Metallurgy*, December 2007

7. **Gülsoy H.O.**, Karataş C., „Development of Poly (2-Ethyl-2-Oxaline) Based Water-Soluble Binder for Injection Moulding of Stainless Steel Powder”, *Material&Desing*, 28 (2007) 2488–2491
8. **Gülsoy H.O.**, Bilici M.K., Bozkurt Y., Salman S., “Enhancing The Wear Properties of Iron Based Powder Metallurgy Alloys by Boron Additions”, *Material&Desing*, 28 (2007) 2255–2259
9. **Gülsoy H.O.**, Taşdemir M. “The Physical and Mechanical Properties of Polypropylene Reinforced with Fe Particles”, *International Journal of Polymeric Materials*, 55:619–626, 2006
10. **Gülsoy H.O.**, Taşdemir M. “Physical and Mechanical Properties of Iron Powder Filled Polystyrene Composites”, *Polymer-Plastics Technology and Engineering*, 45: 1207-1211, 2006
11. **Gülsoy H.O.**, Taşdemir M, “The Effect of Bronze Particles on The Physical and Mechanical Properties of Acrylonitrile-Butadiene-Styrene Copolymer”, *Polymer-Plastics Technology and Engineering*, 46: 789–793, 2007
12. Taşdemir M., **Gülsoy H.O.**, “Mechanical Properties of Polymer Filled with Iron Powder”, *International Journal of Polymeric Materials*, 57:258-265, 2008
13. **Gülsoy H.O.**, “Mechanical properties of injection moulded 316L stainless steels with (TiC) N additions” *Powder Metallurgy* 50 (3): 271-275 SEP 2007
14. **Gülsoy H.O.**, Taşdemir M., “Mechanical Properties of Polymers Filled with Iron Powder”, *International Journal of Polymeric Materials*, 57:258–265, 2008
15. **Gülsoy H.O.**, German R.M, “Production of micro-porous austenitic stainless steel by powder injection molding”, *Scripta Materialia* 58 (2008) 295–298
16. **Gülsoy H.O.**, German R.M., “Sintered foams from precipitation hardened stainless steel powder”, *Powder Metallurgy*, December 2008
17. **Gülsoy H.O.**, “Production of injection moulded 316L stainless steels reinforced with TiC(N) particles” *Materials Science and Technology*, Vol 24, No 12, 2008
18. Ergul E., **Gülsoy H.O.**, Gunay V., “Effect of Sintering Parameters on Mechanical Properties of Injection Molded Ti6Al4V Alloys”, *Powder Metallurgy*, 52 (1), 65-71, (2009)
19. Kadiri H.E., Wang L., **Gülsoy H.O.**, Suri P., Park S.J., Hammi Y., German R.M. “Development of Ti Based Alloy: Design and Experiment”, *Journal of Metal (JOM)*, 61(5), 60-66, (2009)
20. Topcu İ., **Gülsoy H.Ö.**, Kadioglu N., Gulluoglu A.N., “Processing and mechanical properties of B4C reinforced Al matrix composites”, *Journal of Alloys and Compounds* 482(2009)516–521
21. **GÜLSOY H.O.**, Acar, L., Sintering Parameters and Mechanical Properties of Injection Molded Aluminum Powder. *Powder Metallurgy*. Sayı 3. Cilt 54 sf 427-431 (2011)
22. **GÜLSOY H.O.**, Özbek, S., Günay, V. & Baykara, T., Mechanical Properties of Powder Injection Molded Ni-Based Superalloys. *Advanced Materials Research*. Sayı 278. Cilt 278 sf 289-294 (2011)
23. **GÜLSOY H.O.**, Özbek, S., Baykara, T., Injection Molding of 316L Stainless Steels Reinforced with Nano Size Alumina Particles. *Powder Metallurgy*. Sayı 3. Cilt 54 sf 360-365 (2011)
24. **GÜLSOY H.O.**, Gunay V., Baykara T, German RM., Injection Molding of Mechanical Alloyed Ti-Fe-Zr Powder. *Material Transaction*. Sayı 6. Cilt 55 sf 198-210 (2011)
25. **GÜLSOY H.O.**, Özgün, Ö., Yılmaz, R. Injection Molding of Nickel Based 625 Superalloy: Sintering, Heat Treatment, Microstructure and Mechanical Properties. *Journal of Alloys and Compounds*. Sayı 9. Cilt 546 sf 192-217 (2012)

26. **GULSOY H.O.**, Bayraktaroglu, E., Gulsoy, N. Effect of boron addition on injection molded 316L stainless steel: Mechanical, corrosion properties and in vitro bioactivity. *Bio-Medical Materials and Engineering*. Sayı 1. Cilt 22 sf 333-349 (2012)
27. Engin G., **GULSOY H.O.**, Aydemir B., Injection Molding of Micro-Porous Titanium Alloy with Space Holder Technique. *Rare Metals*. Sayı 6. Cilt 30 sf 565-571 (2012)
28. **GULSOY H.O.**, Ozgun, O. Yılmaz R., Fındık, F. Microstructure and Mechanical Properties of Injection Molded Nimonic-90 Superalloy Parts. *Powder Metallurgy*. Sayı 5. Cilt 55 sf 405-415 (2012)
29. Unver İ, **GULSOY H.O.**, Aydemir B., Ni-625 Superalloy foam produced by Sintering-dissolution process. *Journal of Materials Engineering and Performance*. Sayı 12. Cilt 22 sf 3735-3741(2013)
30. Özgün Ö., **GULSOY H.O.**, Yılmaz R., Fındık F., Microstructural and Mechanical Characterization of Injection Molded 718 Superalloy Powders. *Journal of Alloys and Compounds*. Sayı 1. Cilt 576 sf 140-153 (2013)
31. **GULSOY H.O.** Sintering and Mechanical Properties of Injection Molded Low Cost Ti Alloys. *Advanced Materials Research*. Sayı 747. Cilt 747 sf 583-586 (2014)
32. **GULSOY H.O.**, Gülsoy, N., Çalışıcı, R. Particle Morphology Influence on Mechanical and Bioactivity Properties of Injection Molded Ti Alloy Powder. *Bio-Medical Materials and Engineering*. Sayı 5. Cilt 24 sf 1861-1873 (2014)
33. **GULSOY H.O.**, Günay, V. & Baykara, T. Influence of TiC, TiN and TiC(N) Additions on Sintering and Mechanical Properties of Injection Molded Titanium Based Metal Matrix Composites. *powder metallurgy*. Sayı 58. Cilt 1 sf 35-42 (2015)
34. **Gulsoy H.O**, Pazarlioglu S., Ozbey S., Effect of Zr, Nb and Ti Additions on Injection Molded 316L Stainless Steel: Microstructural, Mechanical Properties and Corrosion Resistance, *Advanced Materials Research Vol 1119*, pp 505-509, (2015)
35. Özgün Ö., Yılmaz R., **Gülsoy H.O.**, Fındık F., The Effect of Aging Treatment on the Fracture Toughness and Impact Strength of Injection Molded Ni-625 Superalloy Parts, *Journal of Alloys and Compounds* 108, 8–15, (2015)
36. **Gulsoy H.O.**, Pazarlioglu S., Gundede B., Mutlu O., Gulsoy N., Effect of Zr, Nb and Ti Addition on Injection Molded 316L Stainless Steel for Bio-applications: Mechanical, Electrochemical and Biocompatibility Properties, *Journal of the Mechanical Behavior of Biomedical Materials*, 215–224, (2015)
37. **Gülsoy H.O.**, Özbey S., Pazarlioglu S., Çiftci M., Akyurt H., Sintering and Mechanical Properties of Titanium Composites Reinforced Nano Sized Al₂O₃ Particles, *International Journal of Materials, Mechanics and Manufacturing*, Vol. 4, No. 2, 111-114, May 2016
38. R. Yamanoglu, N. Gulsoy, E.A. Olevsky, **H.O. Gulsoy**, "Production of porous Ti₅Al_{2.5}Fe alloy via pressureless spark plasma sintering", *Journal of Alloys and Compounds* 680 (2016) 654-658
39. Irrinki Harish, Jangam John Samuel, Pasebani Somayeh, Badwe Sunil, Stitzel Jason, kate kunal, **Gulsoy, H.O.**, Atre sundar (2018). Effects of particle characteristics on the microstructure and mechanical properties of 17-4 PH stainless steel fabricated by laser-powderbed fusion. *Powder Technology*, 331, 192-203.
40. YILMAZ EREN, GÖKÇE AZİM, FINDIK FEHİM, **GULSOY H.O.** (2018). Metallurgical properties and biomimetic HA deposition performance of Ti-Nb PIM alloys. *Journal of Alloys and Compounds*, 746, 301-313.

41. YILMAZ EREN, GÖKÇE AZİM, FINDIK FEHİM, **GULSOY H.O.** (2018). Assessment of Ti-16Nb-xZr alloys produced via PIM for implant applications. *Journal of Thermal Analysis and Calorimetry*
42. Timaç Gökhan, **GULSOY H.O.** (2017). Ni-718 superalloy foam processed by powder space-holder technique: Microstructural and mechanical characterization. *kvove matarialy*, 55(4), 95-105.
43. YILMAZ EREN, GÖKÇE AZİM, FINDIK FEHİM, **GULSOY H.O.** (2017). Characterization of biomedical Ti-16Nb-(0-4) Sn alloys produced by Powder Injection Molding. *vacuum*, 142, 164-174
44. TAŞDEMİR MÜNİR, **GULSOY H.O.** (2017). Water Absorption, Friction and Wear Behaviors of Polypropylene Composites Filled with Hydroxyapatite. *Key Engineering Materials*, 733, 60-64.
45. **GULSOY H.O.**, Bilketay Sezer (2016). Effect of Particle Size on Sintering Characteristics and Mechanical Properties of Injection Molded 316L Powder. *Advanced Science, Engineering and Medicine*, 8(1-4)
46. ÖZGÜN ÖZGÜR, **GULSOY H.O.**, Bilketay Sezar (2016). Powder injection molding of Stellite 6 powder Sintering microstructural and mechanical properties. *Materials Science and Engineering: A*, 651(1), 914-924
47. BOZKURT YAHYA, BİLİCİ MUSTAFA KEMAL, SALMAN SERDAR, **GULSOY H.O.** (2016). Effect of Subsequent Aging on Wear Behaviour of SiCp Reinforced AA2124 Aluminum Metal Matrix Composite. *Journal of Scientific and Engineering Research*, 3(4), 34-40
48. **GULSOY H.O.**, ÖZBEY SEMİH, PAZARLIOĞLU SÜLEYMAN SERDAR, Mesut Çiftci, Hanifi Akyurt (2016). Sintering and Mechanical Properties of Titanium Composites Reinforced Nano Sized Al₂O₃ Particles. *International Journal of Materials, Mechanics and Manufacturing*, 4, 111-114.
49. ÖZGÜN ÖZGÜR, YILMAZ RAMAZAN, **GULSOY H.O.**, FINDIK FEHİM (2015). The effect of aging treatment on the fracture toughness and impact strength of injection molded Ni 625 superalloy parts. *Materials Characterization*, 108(11), 8-15.

Articles in Magazines

1. **Gülsoy H.O.**, Bakan H.İ., Günay V., Sert M., "Injection molding of WC-Co materials", *Metal World*, 2010, Vol. 206, (In Turkish)
2. **Gülsoy H.O.**, Bakan H.İ., Günay V., Baykara T., "Advances powder metallurgy products in TUBİTAK-MAM", *Metal World*, 2010, Vol. 206, (In Turkish)
3. **Gülsoy H.O.**, Taşdemir M., "Brass powders - akrilonitril bütadien stiren copolymers composites", *Plastics*, Vol. 123, 112-115, 2007, (In Turkish)
4. **Gulsoy H.O.**; "Machinability Properties of Fe-Cu-C and Fe-C PM Parts As Determined By Drilling Tests", *Metal World*, October 2003, Issue 125, 91-94 (In Turkish)
5. **Gulsoy H.O.**; "Mechanical Alloying Techniques and Their Applications", *Metal World*, September 2003, Issue 124, (In Turkish)
6. **Gulsoy H.O.**; "Advanced Powder Metallurgy Process for Automotive Parts", *Mold & World*, August 2002, Issue 16, 88-91 (in Turkish)
7. **Gulsoy H.O.**; "Dimensional Change and Effect Graphite Addition on Fe-Cu Compacts During Sintering", *Journal of Makine & Tek*, January 1998, Issue 34, 30-34 (in Turkish)
8. **Gulsoy H.O.**; "Sintering of Fe-Cu Parts", *Metal World*, May 1997, Issue 48, 52-57 (In Turkish)

Peer-Reviewed Presentations and Conference Proceedings

1. Engin G., **Gülsoy H.Ö.**, “Injection Molding of Micro-Porous Titanium Alloy Parts”, CELLMAT 2010, 27-29 October 2010, Dresden
2. Demirci Y., **Gülsoy H.Ö.**, Yurdakul Ü., Sert M., Günay V., “Production and parameters of Si₃N₄-SiC (Sn-SiC)”, 15th International Metallurgy And Materials Congress, December 2010, İstanbul
3. **Gülsoy H.Ö.**, Bakan H.İ., Günay V., Sert M., “Injection molding and parameters of WC-Co materials”, 15th International Metallurgy And Materials Congress, December, 2010, İstanbul
4. Acar L., **Gülsoy H.Ö.**, “Production of Aluminum parts by powder injection molding”, 15th International Metallurgy And Materials Congress, December, 2010, İstanbul
5. **Gülsoy H.Ö.**, Baykara T., Özbek S., “Powder Injection Moulding of Stainless Steels Reinforced with Nano Size Alumina Particles”, Euro PM2009, Copenhagen, 12-14, October, 2009
6. **Gülsoy H.Ö.**, Atmaca M., “Thermal Conductivity, Permeability and Mechanical Properties of Sintered Stainless Steel Foams”, Euro PM2009, Copenhagen, 12-14, October, 2009
7. Park, S. J., **Gülsoy, H.O.**, Suri, P., Antonyraj, A., German, R.M., & Wang, P., “Debinding Facotrs of Metal Injection Molding Grade 2 Titanium” In Powder Injection Molding 2009 (Eds.), Orlando, FL.
8. **Gülsoy, H.O.**, Suri, P., Park, S. J., Antonyraj, A., & Wang, P., “Development of Powder Injection Molding Process for Songe Ti Alloy”, TMS Annual Meeting & Exhibition, Feb 2009, San Francisco, CA.
9. **Gülsoy H.O.**, Suri R., Park S.J. German R.M., “Microstructure and Mechanical Properties of Sintered Ti-Fe-Zr Alloy”, PM2008 World Congress, 8-12 June 2008, Washington, USA
10. **Gülsoy H.O.**, Suri R., Park S.J. German R.M., “Injection Molding of Micro-Porous 316L Stainless Steel Parts”, PM2008 World Congress, 8-12 June 2008, Washington, USA
11. **Gülsoy H.O.**, P. Suri, H. El Kadiri, S. J. Park, Y. Hammi, R. M. German, W. Peter, and G. Blue, “Low Cost Ti Alloys for Automotive Applications”, 2008 Annual Meeting; March 9-13, 2008, New Orleans, LA, USA
12. **Gülsoy H.O.**, “Sintering of Al₅Y₃O₁₂ Reinforced Stainless steels”, Denizli, 2007
13. **Gülsoy H.O.**, “Sintering of injection molded D2 tool steels”, Denizli, 2007
14. Gülsoy H.Ö., Karataş C., “New binder system for powder injection molding”, 5. International Powder Metallurgy Conference, Ankara, Turkey, 2008.
15. Ergül E., **Gülsoy H.O.**, Günay V., Baykara T., “Production of Ti₆Al₄V parts by powder injection molding”, 13. International Metallurgy Congress, 9-11 November 2006, İstanbul, Turkey
16. **Gülsoy H.O.**, “Effect of Al₅Y₃O₁₂ particles on mechanical properties of injection molded 316L stainless steels”, 13. International Metallurgy Congress, 9-11 November 2006, İstanbul, Turkey
17. **Gülsoy H.O.**, Özbek S., Salman S.; “Sintering and mechanical properties of injection molded 17-4PH stainless steel powder with FeB additions”, 4. International Powder Metallurgy Congress, 18-21 May 2005, Sakarya, Turkey
18. Kayis V., **Gülsoy H.O.**, Salman S., “Effect of FeB Additions on Mechanical Properties of Different Iron Base Parts”, 4. International Powder Metallurgy Congress, 18-21 May 2005, Sakarya, Turkey

19. Turan I., **Gulsoy H.O.**, Salman S., "The Effect of NiB Additions on Mechanical Properties of PM Iron Parts", 1st International Vocational and Technical Education Technologies Congress. 5-8 September 2005, Istanbul, Turkey
20. **Gulsoy H.O.**, Bilici M.K., Bozkurt Y., Salman S., "Investigation on Wear Behaviours of PM Iron Parts With Boron Additions", 1st International Vocational and Technical Education Technologies Congress. 5-8 September 2005, Istanbul, Turkey
21. **Gulsoy H.O.**, Özbek S., Salman S., "Liquid Phase Sintering of Injection Moulded 17-4PH Stainless Steel", 12. International Metallurgy Congress, 18-21 September 2005, Istanbul, Turkey
22. **Gulsoy H.O.**, Vayvay, Ö, Salman S.; "A New Technology in Production of Aerospace Components: Powder Injection Molding (PIM)", International Conference on Recent Advances in Space Technologies, November 20-22, 2003, Istanbul, TURKEY
23. **Gulsoy H.O.**; "Use of Different boron and Boron Compounds in Sintering for Iron Based Materials", National Boron Symposium, June 20-22 2002, Balıkesir, Turkey
24. **Gulsoy H.O.**, Uçar M., Özcan E.; "Effect of The Amount Graphite Additions in Fe-Cu-C Compacts on Machinability Properties", Second National Powder Metallurgy Conference, Sep. 15-17 1999, Ankara, Turkey
25. **Gulsoy H.O.**, Salman S.; "The Effect of Addition of Phosphorus and Graphite on The Mechanical Properties of Ferrous Based Powder Metallurgy Products", Machine & Manufacturing Technologies Symposium, Oct. 14-15 1999, Konya, Turkey
26. **Gulsoy H.O.**, Salman S., Koz M.; "The Effect to Mechanical Characteristics of Cu Which are Changeable Between 2% and 3% in Fe-Cu Compacts Produced with P/M", Proceedings of 7th Materials Symposium Denizli, April 2-4, 1997, Turkey
27. **Gulsoy H.O.**, Salman S.; "Fe-Cu Powder Mixtures Made by Different Graphite Additives and Their Effects to Their Mechanical Properties", First National Powder Metallurgy Conference, Sep.16-17 1996, Ankara, Turkey
28. **Gulsoy H.O.**; "The Steam Treatment of Iron Based Parts Prepared By Powder Metallurgy Processes", First National Heat Treatment Conference, 7-9 October 1998, Istanbul, Turkey
29. **Gulsoy H.O.**, Özbek S., Fındık F.; "A New Technology In Mass Production Of Complex Shaped Materials: Powder Injection Molding (PIM)", Second Machinery Materials and Manufacturing Technology Symposium, 7-9 November 2001, Manisa, Turkey
30. **Gulsoy H.O.**, Salman S., Demir O.; "In 17-4PH Stainless Steel Parts, The Effect of Heat Treatment Conditions on the Mechanical Properties", Proceedings of 9th Materials Symposium Denizli, May 8-10, 2001, Denizli, Turkey
31. **Gulsoy H.O.**, Salman S., Sözüo H., Girit O.; "The determination of the Optimum Clearance For The Producing With Cutting Die of The Copper and The Copper Alloys' Sheet Materials", Proceedings of 9th Materials Symposium Denizli, May 8-10, 2002, Denizli, Turkey
32. **GULSOY H.O.**, Demirci Y., Yurdakul Ü., Günay V., Sert M., Si₃N₄ İle Bağlanan Sic (Sn-Sic) Üretim Parametreleri Ve Özellikleri 15th International Metallurgy And Materials Congress. İstanbul, Türkiye (2010)
33. **GULSOY H.O.**, Bakan Hİ., Günay V., Sert M., WC-Co Esaslı Sert Metallerin Toz Enjeksiyon Kalıplanması ve Özelliklerinin İrdelenmesi 15th International Metallurgy And Materials Congress. İstanbul, Türkiye, (2010)
34. **GULSOY H.O.**, Acar L., Alüminyum Parçaların Enjeksiyon Kalıplama Metodu ile Üretilmesi 15th International Metallurgy And Materials Congress. İstanbul, Türkiye, (2010)
35. **GULSOY H.O.**. Injection Molding of Micro-Porous Titanium Alloy Parts CELLMAT 2010. Dresden, Almanya, (2010)

36. **GULSOY H.O.**, S.Salman, , Pazarlıoğlu, S., Oktar, F. Characterization of Porous Bivine Hydroxyapatite (BHA) Structures and Theri Porous Composites with Inert Glass (CIG) EuroPM2011. Barcelona, Spain, (2011)
37. **GULSOY H.O.**, Acar L., Ergül E., Powder Injection Molding of Light Alloys Powder EuroPM2011. Barcelona, Spain, (2011)
38. **GULSOY H.O.**, Gunay, V., Baykara, T., German, R. M. Injection Molding of Mechanical Alloyed Ti-Fe-Zr Powder Ti-2011 world congress. Pekin, Çin, (2011)
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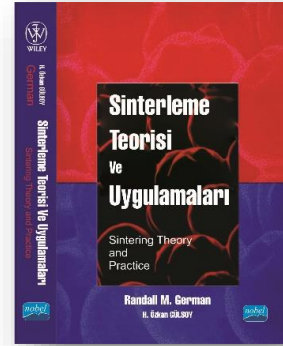
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RESEARCH INTERESTS

Powder Metallurgy

Ferrous powder metallurgy, Powder Injection Molding, Machinability of PM parts, Liquid Phase Sintering, Foam Materials, Ceramic and Composite Materials, Metallic Biomaterials

Additive Manufacturing Material Science

Metallic Materials and Metal Matrix Composites
Design of Materials and Characterization, Metallography,
Testing of Materials.

TEACHING RESPONSIBILITIES

Undergraduate Courses

Introduction of Material Science

Material Science

Phase Equilibria

Metallography

Material Characterization

Powder Metallurgy

Heat Treatments

Corrosion and Protection

Graduate Courses

Advances Powder Metallurgy Process

Sintering Theory and Applications

Additive Manufacturing

Preparation of Project and Scientific Article

SUPERVISIONS

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2. İSMAİL TOPCU, "Investigation of mechanical behavior of particulate reinforced titanium matrix composite", Marmara University, 2016
3. SELİM HARTOMACIOĞLU, "Production of B4C based blast nozzle via powder injection molding and examination of their wear properties", Marmara University, 2016
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