

# Prof. Dr. ONURALP YÜCEL

Istanbul Technical University,  
Faculty of Chemical-Metallurgical Engineering  
Metallurgical and Materials Engineering Department,  
Maslak, Istanbul, TURKEY

E-mail: [yucel@itu.edu.tr](mailto:yucel@itu.edu.tr)

Phones: Work: +90 (212) 2856861, +90(212)2853352, Fax: +90 (212)2853427

## **Education** Ph.D. in Metallurgical Engineering, *October 1992*

Istanbul Technical University  
Chemical-Metallurgy Faculty  
Metallurgical Engineering Department  
Maslak - Istanbul / TURKEY

## **M.Sc. in Metallurgical Engineering, *July 1986***

Istanbul Technical University  
Chemical-Metallurgy Faculty  
Metallurgical Engineering Department  
Maslak - Istanbul / TURKEY

## **B.Sc. in Metallurgical Engineering, *July 1983***

Istanbul Technical University  
Metallurgical Engineering Faculty  
Maçka - Istanbul / TURKEY

## **PROFESSIONAL EXPERIENCE**

### **2006-2012 Director of ITU, Applied Research Center of Material Science & Production Technologies**

Istanbul Technical University  
Maslak - Istanbul / TURKEY, [www.cercom.itu.edu.tr](http://www.cercom.itu.edu.tr)

### **2004-2007 Assoc. President of Department of Metallurgical & Materials Eng.**

Istanbul Technical University, Chemical-Metallurgy Faculty  
Metallurgical Engineering Department, Maslak - Istanbul / TURKEY

### **2002- Present Prof. of Metallurgy**

Istanbul Technical University, Chemical-Metallurgy Faculty  
Metallurgical Engineering Department, Maslak - Istanbul / TURKEY

### **1996- 2002 Assoc. Prof. of Metallurgy**

Istanbul Technical University, Chemical-Metallurgy Faculty  
Metallurgical Engineering Department, Maslak - Istanbul / TURKEY

### **1992-1996 Assist. Prof. of Metallurgy**

Istanbul Technical University  
Chemical-Metallurgy Faculty  
Metallurgical Engineering Department  
Maslak - Istanbul / TURKEY

**1993-1994**

**Post-Doctoral Studies**

New Mexico Institute of Mining and Technology  
Department of Materials and Metallurgical Eng.  
Socorro, NM 87801 / U.S.A

**Duties:** Conducted research on Low-voltage plasma-assisted CVD and explosive consolidation of Metal/Ceramic composites.

**1988-1992**

**Research Assistant / Ph.D. student**

Istanbul Technical University  
Chemistry-Metallurgy Faculty  
Metallurgical Engineering Department  
Maslak - Istanbul / TURKEY

**Duties :** Scientific and engineering research on the reduction and smelting of cobalt from copper slags, carbothermic production of ferroboron in 270 kVA dc electric arc furnace, and aluminothermic reduction of ferroalloys such as ferrovandium and ferroboron.

Responsible for the teaching of Extractive Metallurgy student laboratory.

**1987-1988**

**Visiting Scientist**

Berlin Technical University  
Institute of Metallurgy  
Strasse des 17. Juni 135  
D-1000 Berlin 12 / GERMANY

**Duties :** Research on reduction of cobalt from copper converter slag in laboratory scale electric arc furnace.

**1984-1986**

**Research Assistant / M.Sc. student**

Istanbul Technical University  
Chemistry-Metallurgy Faculty  
Metallurgical Engineering Department  
Maslak - Istanbul / TURKEY

**Duties :** Research on carbothermic reduction of cobalt from copper converter slag in 44 kVA Tammann furnace.

Responsible for the preparation and teaching of Extractive Metallurgy student laboratory, which includes design and set up of various experiments such as roasting, reduction and smelting of different ores and grading laboratory reports.

**Birth Date and Place:** 2 June 1961, Diyarbakır / TURKEY

**Courses Taught**

<b>Undergraduate:</b>	Ore Dressing	(2 credits)
	Principles of Extractive Metallurgy	(2 credits)
	Chemical Metallurgy	(4 credits)
	Material and Energy Balance	(3 credits)
	Production of Ferroalloys	(2 credits)
	Metallurgy Laboratory	(3 credits)
	Directed Study	(B.Sc. Thesis)
<b>Graduate:</b>	Production of Hard Metal Compounds	(3 credits)
	Advanced Ceramics and Production Technologies	(3 credits)
	Directed Study	(M.Sc. and Ph.D. Thesis)

## PUBLICATIONS AND PRESENTATIONS

- 1) **[1]** F.Y.Bor, O.Addemir, I.Duman, J.U.Fischer, E.Acma, K.Sesen, I.Oz, O.Yücel, K.Keskin, **Extractive Metallurgy Laboratory Handbook for Students, İTÜ Vakfı, No: 23, 1988.**
- 2) **[2]** H. Hensgen, O. Yücel, W. Wuth, "Recovery of cobalt from Ergani converter slag by reduction smelting in a laboratory-scale electrofurnace", **Transaction of the Institution of Mining and Metallurgy, Sect. C., Mineral Processing and Extractive Metallurgy, (May-August 1989), C111-116.**
- 3) O. Yücel, O. Addemir, "Ergani izabe curuflarındaki kobaltın karbotermik redüksiyon ile Fe-Cu-Co alaşımında zenginleştirilmesi", Proc. of the 5<sup>th</sup> Metallurgy Cong., UCTEA Chamber of Metallurgical Engineers, Ankara, TURKEY (1988) 411-422.
- 4) O. Yücel, A. Tekin, O. Addemir, S. Nizamoğlu, "Recovery of cobalt from copper slags", Proc. of the 6<sup>th</sup> Metallurgy Cong., UCTEA Chamber of Metallurgical Engineers, Ankara, TURKEY, (1990) 15-27.
- 5) O. Yücel, E. Açma, F. Çınar, O. Addemir, "Antimuan oxide production from Ödemiş-Emirli antimuan ores and concentrates by volatizing roasting", Proc. of the 6<sup>th</sup> Metallurgy Cong., UCTEA Chamber of Metallurgical Engineers, Ankara, TURKEY, (1990) 54-68.
- 6) O. Yücel, G. Göller, O. Addemir, A. Tekin, "Production of boron carbide", Proc. of 4<sup>th</sup> Int. Ceramics Technical Cong., İstanbul, TURKEY, (1990) 176-185.
- 7) **[3]** O. Yücel, O. Addemir, A. Tekin, S. Nizamoğlu, "Recovery of cobalt from copper slags", **ICCM-91, Proc. of Int. Conf. on Advances in Chemical Metallurgy, Bhabha Atomic Research Centre, Bombay, INDIA, (1991) 99-107. [Mineral Processing and Extractive Metallurgy Review, Vol. 10, No. 1-4, (1992) 99-107]**
- 8) G. Göller, O. Yücel, Ç. Toy, O. Addemir, A. Tekin, "Catalitic Effect of Salt Addition on Formation of Boroncarbide", 5<sup>th</sup> National Nuclear Science Cong., İzmir, TURKEY, (1991).
- 9) O. Yücel, O. Addemir, A. Tekin, "The Optimization of parameters for the carbothermic production of ferroboron", INFACON 6, Proc. of the 6<sup>th</sup> Int. Ferroalloys Cong., Cape Town, Vol 1., Johannesburg, SAIMM, SOUTH AFRICA, (1992) 285-289.
- 10) F. Çınar, H. Sesigür, O. Yücel, O. Addemir, A. Tekin, "Production of ferrovandium from vanadium sludge", Proc. of the Int. Conf. on The Recycling of Metals, ASM International, Düsseldorf, GERMANY, (1992) 209-217.
- 11) O. Yücel, F. Çınar, O. Addemir, A. Tekin, "Optimization of production parameters for ferroboron in a DC electric arc furnace", Seminar on New Materials and their Application in Engineering Industries, United Nations Economic Commission for Europe, Kiev, UKRAINE, (1992).
- 12) O. Yücel, F. Çınar, O. Addemir, A. Tekin, "Influence of raw materials characteristics on ferroboron production", Proc. of 7<sup>th</sup> Int. Metallurgy and Materials Cong., UCTEA Chamber of Metallurgical Engineers, Vol 1, (1993) 279-310.
- 13) N.C. Birla, O. Addemir, T. Baykara, A. Tekin, O. Yücel, S. Onurlu, "Effect of impurities on amorphous ribbon forming and crystallization characteristics in Fe-B-Si system", Proc. of 7<sup>th</sup> Int. Metallurgy and Materials Cong., UCTEA Chamber of Metallurgical Engineers, Vol. 2, (1993) 787-804.
- 14) O. Yücel, A. Tekin, "Aluminum/Boron Carbide Composites", CIMTEC 8, Proc. of 8<sup>th</sup> World Ceramics Congress, Part C, Vol. 3, 2137-2147, Florence- ITALY, (1994)
- 15) O.T. Inal, E. Bengü, O. Yücel, "Low voltage plasma assisted CVD", Proc. of 1994 TMS Extraction and Process Metallurgy Meeting, 2<sup>nd</sup> Intl. Symp. on Metallurgical for the year 2000 and beyond. San Diego, California, USA, (1994) 131-150.

- 16) O.T. Inal, O. Yücel, C.A. Zimmerly, "Explosive Consolidation of 7093 Aluminum/SiC Composites", Proc. of High Performance Composites, TMS Fall Meeting, Rosemont, Illinois, USA, (1994) 43-54.
- 17) K. Gültekin, O. Yücel, O. Addemir, A. Tekin, "Characterization of Metglass 2605-S2 Grade Metallic Glass Ribbons Produced from Ferroboron", Proc. of 8<sup>th</sup> Int. Metallurgy and Materials Cong., UCTEA Chamber of Metallurgical Engineers, Ankara, TURKEY, Vol. 2, (1995) 881-891.
- 18) O. Yücel, O.T. İnal, G. Göller, A. Tekin, "Production of Metal/Ceramic Ceramic Composites by Explosive Consolidation", Proc. of 8<sup>th</sup> Int. Metallurgy and Materials Cong., UCTEA Chamber of Metallurgical Engineers, Ankara, TURKEY, Vol. 2, (1995) 1295-1305.
- 19) O. Yücel, O. Addemir, F. Çınar, A. Tekin, "Mechanism of Ferroboron Formation in a DC Electric Arc Furnace", INFACON 7, Proc. of 7<sup>th</sup> Int. Ferroalloy Cong., The Norwegian Ferroalloy Research Organization, Trondheim, NORWAY, (1995) 647-654.
- 20) **[4] Yücel,O., Çınar,F., Addemir,O., Tekin,A., "The Preparation of Ferroboron and Ferrovanadium by Aluminothermic Reduction", High Temperature Materials and Processes, Vol. 15, Nos.1-2, 103-109,1996.**
- 21) **[5] Karacan,İ., Şirin,B., Yücel,O., Addemir,O., "Investigation of the Production Conditions of Nickelboron Master Alloy in a DC Arc Furnace", TÜBİTAK, Tr. J. of Engineering and Environmental Sciences, Vol. 20, 225-231, 1996.**
- 22) **[6] Yücel,O., "The Effects of Additives and Furnace Type on Reduction Smelting of Copper Slags in D.C. Arc Furnace", Bulletin of the Technical University of İstanbul, Vol. 49, pp.563-575, 1996.**
- 23) Yücel,O., Açıma,E., Addemir,O., Tekin,A., "Production of High-tech Materials in Turkey", Proc. of the 2<sup>nd</sup> National Chemical Eng. Congress, Vol. 1, 836-842, İstanbul, 1996.
- 24) **[7] Yücel,O., Tekin,A., "The Fabrication of Boron Carbide-Aluminium Composites By Explosive Consolidation", Ceramics International, 23, 149-152, 1997.**
- 25) Yücel,O., Özçelebi,M.A., Addemir,O., "Production of Ferrotungsten from Tungsten Concentrates by Aluminothermic Process", Proc. of the 9<sup>th</sup> Int. Metallurgy and Materials Congress, Vol.2, 1191-1197, İstanbul, 1997.
- 26) Chiriac,H., Marinescu,M., Tomut,M., Tekin,A., Yücel,O., "Influence of the Boron Alloying Mode on the Amorphous FeBSi Ribbons Casting and on Their Magnetic Properties", V International Workshop on Non-Crystalline Solid, Santiago de Compostela, Spain, 2-5 July 1997.
- 27) **[8] Yücel,O., "The Electrical Characteristic of Copper Smelting Slags in a D.C. Arc Furnace", TÜBİTAK, Tr. J. of Engineering and Environmental Sciences, Vol.21, 335-341, 1997**
- 28) Yücel, O., Arı, M.E., "Production of Ferromanganese and Silicomanganese from Tavas Ore, Turkey", INFACON 8, Proc. of 8<sup>th</sup> Int. Ferroalloy Cong., The Chinese Society for Metals, Beijing, CHINA, (1998) 302-305.
- 29) N. Şirvancı, A. Güney, V. Gürkan, G. Önal, A.A. Sirkeci, O. Yücel, "Pre-reduction of Fine Chromite Concentrates", VII. International Mineral Processing Symposium, Innovations in Mineral and Coal Processing, 627-631, İstanbul, 1998
- 30) O. Yücel, "Developments in Technology For Ferrochromium Production", Translation from: Aidan M. Edwards, INFACON 8, Proc. of 8<sup>th</sup> Int. Ferroalloy Cong., The Chinese Society for Metals, Beijing, CHINA, (1998): Metal Dünyası, Material, Metallurgy and Extraction Technology, 7, 66, 54-58, 1998.
- 31) **[9] O. Yücel, F. Çınar, B. Şirin, O. Addemir, "A Reduction Study of Copper Slag in a DC Arc Furnace", Scandinavian J. of Metallurgy, 28, 3: 93-99, 1999.**

- 32) O. Yücel, F. Çınar, Ç. Gözkaman, “Aluminothermic Production of Al-Ti-B Pre-alloys”, 10<sup>th</sup> Int. Metallurgy and Materials Cong., UCTEA, Chamber of Metallurgical Engineers, İstanbul, TURKEY, 24-28 May, 2000.
- 33) B. Derin, O. Yücel, “The Solubility of Cobalt in Alumina Containing Silicate Slags”, 10<sup>th</sup> Int. Metallurgy and Materials Cong., UCTEA, Chamber of Metallurgical Engineers, İstanbul, TURKEY, 24-28 May, 2000.
- 34) A. Doğan, F. Arısoy, K. Şeşen, O. Yücel, “Chromium Recovery into the Liquid Metal from Chromite Ores by Using Electric Arc Furnace” 10<sup>th</sup> Int. Metallurgy and Materials Cong., UCTEA, Chamber of Metallurgical Engineers, İstanbul, TURKEY, 24-28 May, 2000.
- 35) V. Günay, M. Gültekin, O. Yücel, “Effect of Temperature and Water Content on Physical Properties of Silica Gels”, 10<sup>th</sup> Int. Metallurgy and Materials Cong., UCTEA, Chamber of Metallurgical Engineers, İstanbul, TURKEY, 24-28 May, 2000.
- 36) O. Yücel, F. Çınar, Ö. Özdemir, “The Production of Ti-Al-B-N Composite Powders”, 10<sup>th</sup> Int. Metallurgy and Materials Cong., UCTEA, Chamber of Metallurgical Engineers, İstanbul, TURKEY, 24-28 May, 2000.
- 37) O. Yücel, F. Çınar, A.O. Keskin, “Metalthermic Production of Manganese Alloys”, 10<sup>th</sup> Int. Metallurgy and Materials Cong., UCTEA, Chamber of Metallurgical Engineers, İstanbul, TURKEY, 24-28 May, 2000.
- 38) **[10] O. Yücel, A. Özçelebi, “Reduction Smelting Of Bursa-Uludağ Tungsten Concentrates By The Aluminothermic Process”, Scandinavian J. of Metallurgy, 29, 3: 108, 2000.**
- 39) **[11] F. Çınar, B. Derin, O. Yücel, “Chloride Removal from Zinc Ash”, Scandinavian J. of Metallurgy, 29, 5: 224, 2000.**
- 40) **[12] O. Yücel, F. Çınar, “Production of Aluminum-Titanium-Boron Master Alloy by Aluminothermic Process”, High Temp. Mater&Proc., 20, 2, 2001.**
- 41) O. Yücel, A.O. Keskin, F. Ç. Şahin, “Metalthermic Reduction Of Tavas Manganese Ore”, INFACON 9, Proceedings of the 9<sup>th</sup> International Ferroalloys Congress, 230, Quebec City, 2001.
- 42) S. Aydın, O. Yücel, C. Arslan, A. Köksal, “The Present Situation Of Ferroalloy Production and Consumption In Türkiye”, INFACON 9, Proceedings of the 9<sup>th</sup> International Ferroalloys Congress, 544, Quebec City, 2001.
- 43) A.O. Keskin, F. Çınar, O. Yücel, “Sintering and Mechanical Properties of Hydroxyapatite-Zirconia Composite Ceramics”, Proceedings of the 7<sup>th</sup> Conference&Exhibition of the European Ceramic Society, 7<sup>th</sup> ECERS, 1629, Brugge, 2001.
- 44) F. Çınar, Ö. Özdemir, O. Yücel, “Production of B4C/Al Composites”, Proceedings of the 7<sup>th</sup> Conference&Exhibition of the European Ceramic Society, 7<sup>th</sup> ECERS, 1044, Brugge, 2001.
- 45) M.G. Büyükuncu, O. Yücel, “Bor Karbür Silisyum Karbür Kompozitlerin Üretimi”, Turkish Ceramic Society, V. Ceramic Congress Proceedings Book, 290, İstanbul, 2001.
- 46) Ö. Özdemir, F. Çınar, O. Yücel, “Bor Karbür/Alüminyum Kompozitlerinin Üretimi”, Turkish Ceramic Society, V. Ceramic Congress Proceedings Book, 296, İstanbul, 2001.
- 47) A. O. Keskin, F. Ç. Şahin, O. Yücel, “Hidroksiapatit-Zirkonya Kompozit Seramikler”, Turkish Ceramic Society, V. Ceramic Congress Proceedings Book, 390, İstanbul, 2001.
- 48) E. D. Şam, O. Yücel, V. Günay, “SiO<sub>2</sub> Esaslı Gözenekli Yansıtmayan Kaplamalar”, Turkish Ceramic Society, V. Ceramic Congress Proceedings Book, 428, İstanbul, 2001.
- 49) **[13] O. Ozdemir, F. Cinar, O. Yucel, “Nitridation of Ti-B-Al-Al<sub>2</sub>O<sub>3</sub> Composite Powder”, High Temp. Mater&Proc., 20, No:5-6, 429, 2001.**
- 50) **[14] O. Yücel, M. E. Arı, “Carbothermic Smelting Of Tavas Manganese Ore, Turkey”, High Temp. Mater&Proc., 20, No:5-6, 345, 2001.**
- 51) **[15] A.O. Keskin, F. Çınar, O. Yücel, “Sintering and Mechanical Properties of Hydroxyapatite-Zirconia Composite Ceramics”, Key Eng. Mat. 206-2: 1629-1632, 2002.**



- 52) **[16]** F. Çınar, Ö. Özdemir, O. Yücel, “Production of B<sub>4</sub>C/Al Composites”, *Key Eng. Mat.* 206-2: 1045-1048, 2002.
- 53) **[17]** B. Derin, O. Yücel, “The Distribution of Cobalt between Co-Cu Alloys and Al<sub>2</sub>O<sub>3</sub>-FeO-Fe<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> Slags”, *Scandinavian J. of Metallurgy*, 31:12-19, 2002.
- 54) E.B. İzmirlioğlu, O. Yücel, S. Özgen, E. Aydın “Tests For Glass Melting Furnace Regenerator Superstructure Refractories”, 2002 Glass Odyssey, 6<sup>th</sup> ESG Conference, Montpellier, France, 2002
- 55) Ö. Kahvecioğlu, C.B. Derin, O. Yücel, “Recovery of Zinc From Brass Smelting Residues”, *Recycling and Waste Treatment in Mineral and Metal Processing: Technical and Economic Aspects*, TMS Fall 2002 Extraction and Processing Division Meeting, Lulea, Sweden, 2002.
- 56) Ö. Kahvecioğlu, C.B. Derin, O. Yücel, “Pyrometallurgical Benefication of Brass Melting Residues”, *Proc. of the 11<sup>th</sup> Int. Metallurgy and Materials Cong.*, İstanbul, 2002.
- 57) S. Erçayhan, C.B. Derin, O. Yücel, “Reduction of Chromite Concentrates by Aluminothermic Process”, *Proc. of the 11<sup>th</sup> Int. Metallurgy and Materials Cong.*, İstanbul, 2002.
- 58) C. Gürcan, S. Aydın, O. Yücel, “Production of Fused MgO in an Electric Arc Furnace and its Characterization”, *Proc. of the 11<sup>th</sup> Int. Metallurgy and Materials Cong.*, İstanbul, 2002.
- 59) E.V. Kızılırmak, F. Çınar Şahin, O. Yücel, “Production of Aluminum Nitride from Seydişehir Alumina”, *Proc. of the 11<sup>th</sup> Int. Metallurgy and Materials Cong.*, İstanbul, 2002.
- 60) A.A. Kaya, E.F. Özdoğru, D. Aboboz, S. Yiğit, O.Yücel, “Otomotivde Magnezyum Alaşım Uygulamaları”, OTEKON’02, Otomotiv Teknolojileri Kongresi Kongre Kitabı, 41, Bursa, 2002.
- 61) B. Derin, F. Çınar Şahin, O. Yücel, E. Açıma, O. Addemir “A Process Designed For The Ancient Copper Smelting Slags” (Invited), *Yazawa International Symposium on Metallurgical and Materials Processing*, TMS, March 3, 2003 Location: San Diego, Vol: 2, 471-482.
- 62) O. Yücel, F. Çınar Şahin, “Seydişehir Alüminasından Alüminyum Nitrür Eldesi”, 2. Alüminyum Sempozyumu Bildiriler e-Kitabı, 22-24 Mayıs 2003, Seydişehir.
- 63) S. Erçayhan, B. Derin, F. Çınar Şahin, O. Yücel “Production of Aluminum Nitride From Seydişehir Al(OH)<sub>3</sub>” *Proceedings of the 7<sup>th</sup> Conference&Exhibition of the European Ceramic Society*, ECERS 2003- Istanbul.
- 64) C. Gürcan, O. Yücel, S. Aydın, Study about a Fused MgO Ingot Produced in a Laboratory Type DC Electric Arc Furnace, *Proceedings of the 7<sup>th</sup> Conference&Exhibition of the European Ceramic Society*, ECERS 2003- Istanbul.
- 65) F. Ç. Şahin, O. Yücel, B. Derin, A. A. Kaya, “Karbothermal Redüksiyon ve Nitrürleme Yöntemiyle AlN Oluşum Mekanizmasının İncelenmesi” *Uluslararası katılımlı 16.Ulusal Elektron Mikroskopi Kongresi*, 2-5 Eylül 2003, İzmir.
- 66) O. Yücel, F. Çınar Şahin, B. Derin, “The Electrical Characteristics of Copper Slags in a 270 kVA DC Arc Furnace”, *3rd. Balkan Conference of Metallurgy*, 24-27 Sep, 2003, Ohrid, Makedonia. 265-270.
- 67) F.S. Cinar, V.Kızılırmak, B. Derin, O. Yücel, E.F. Ozdogru, “Investigation of Reaction Mechanism and Morphologies of AlN Powders Produced by Carbothermal Reduction and Nitridation Process” *ISNT’IT 2003*, Fourth International Symposium on Nitrides, 17-19 Nov, 2003, Mons, Belgium.
- 68) A.A. Kaya, O. Yücel, D. Eliezer, E. Aghion, “An Electron Microscopy Investigation On As-Cast AZ91D Alloy Modified With Nitrogen”, *6<sup>th</sup> Int. Conf. on magnesium Alloys and their Applications*, DGM-203, 18-20 Nov, 2003, Wolfsburg, Germany.
- 69) **[18]** O. Kahvecioğlu, B. Derin and O. Yücel, “Carbothermal recovery of zinc from brass ash”, *Trans. Inst. Min. Metall.*, C August 2003, Vol.112, C95-C101.

- 70) B. Derin, S. Erçayhan and O. Yücel, "Effects of Charge Components on Reduction of Chromite Concentrates by Aluminothermic Process" Tenth International Ferroalloys Congress 2004, InfaconX, 1- 4 February 2004, Cape Town, South Africa, 78-82.
- 71) B. Derin, O. Yücel and R. G. Reddy, "Modeling of Sulfide Capacities of Binary Titanate Slags", EPD Congress 2004, 133rd TMS Annual Meeting & Exhibition, March 14–18, 2004, in Charlotte, North Carolina., USA, 155-160.
- 72) Uzunoğlu T., Derin B., Yücel O., "Reduction of Chromite and NiO in Carbon Saturated Liquid Iron Alloys", XII. International Materials Research Congress, August 22-26, 2004, Cancun, Mexico (abstract).
- 73) Demircan U., Derin B., Yücel O., "Synthesis of TiB<sub>2</sub> Powder by Pyro-Hydrometallurgical Process", XII. International Materials Research Congress, August 22-26, 2004, Cancun-Mexico (abstract).
- 74) **[19] Erçayhan S., Derin B., Cinar Sahin F., Yücel O., "Production of Aluminum Nitride Powders from Seydisehir Aluminum Hydroxide", Key Engineering Materials, Vols. 264-268 (2004) 105-108.**
- 75) **[20] C. Gürcan, O. Yücel, S. Aydın, "Study about a Fused MgO Ingot Produced in a Laboratory Type DC Electric Arc Furnace", Key Engineering Materials, Vols. 264-268 (2004) 1407-1410.**
- 76) **[21] Cinar F.S., Kızılrımkak V., Derin B, Yücel O, ve Ozdogru E.F., "Carbothermal Reduction-Nitridation Study of Seydisehir Alumina", Silicates Industrials, Vol. 69, (2004) 5-8.**
- 77) Yücel O., Yiğit S., Derin B. "Production of Magnesium Metal from Turkish Calcined Dolomite using Vacuum Silicothermic Reduction Method" International Conference on Magnesium, September 20–24, 2004 , Beijing, China.
- 78) Cinar F.S., Yucel O., Derin B., "Carbothermal Reduction – Nitridation Study of Aluminum Containing Raw Materials", Characterization of Minerals, Metals and Materials, TMS Annual Meeting, February 13-17, 2005, San Francisco, CA- USA
- 79) Derin B., Yucel O., Reddy R. G., "Sulfide Capacities Of PbO-SiO<sub>2</sub> and PbO-SiO<sub>2</sub>-AlO<sub>1.5</sub> (Sat) Slags", International Symposium on Lead & Zinc Processing, October 17-19, 2005, Kyoto, Japan.
- 80) **[22] Yucel O., Yigit S., Derin B., "Production of Magnesium Metal from Turkish Calcined Dolomite using Vacuum Silicothermic Reduction Method" Magnesium – Science, Technology and Applications, Materials Science Forum, Vols. 488-489 (2005) 39-42.**
- 81) O. Yücel, A. Çetin, "The Effect of Reductant Type on the Reduction of Dolime in Vacuum", The First in Russia International Conference and Exhibition, "Magnesium – Broad Horizons", Nov 29 – Dec 1, 2005, Moscow, Russia
- 82) Derin B, Demircan U, Uzunoğlu T, Yücel O., "Semi-Pilot Scale Calcination Study of Turkish Dolomite for Magnesium Production" 2<sup>nd</sup> International Conference on Magnesium (ICM 2006) June 20–24, 2006 , Beijing, China
- 83) Derin B., Yucel O., Reddy R.G., "Predicting of Sulfide Capacities of Industrial Lead Smelting Slags" Sohn International Symposium on Advanced Processing of Metals and Materials: Principles, Technologies and Industrial Practice, August 27-31, 2006 Catamaran Resort. San Diego, California, USA (invited)
- 84) Derin B, Demircan U, Uzunoğlu T, Yücel O, "Decomposition of Turkish Dolomite Using Semi-Pilot Scale Rotary Furnace", 13<sup>th</sup> Proceedings of the International Metallurgy and Materials Congress, 2006, Istanbul, Turkey.
- 85) Yücel O, Çetin A, "The Effect of Reductant Type on the Magnesium Production in a Vacuum Metalothermic Process", 13<sup>th</sup> Proceedings of the International Metallurgy and Materials Congress, 2006, Istanbul, Turkey.

- 86) Derin B, Yücel O, Hack K, "Computational Solutions in Metallurgical Processes", 13<sup>th</sup> Proceedings of the International Metallurgy and Materials Congress, 2006, Istanbul, Turkey
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### **Supervised Thesis:**

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