


Brief CV

Name	M. Deniz Turan	中文名		
Gender	M	Title (Pro./Dr.)	Assoc. Prof. Dr.	
Position (President...)	Head of Department	Country	Turkey	
University/ Department	Firat University			
Personal Website	-			PHOTO
Research Area	Chemical Metallurgy, hydrometallurgy, mechanical activation, mineral processing.			
Brief introduction of your research experience:				
Education				
PhD (2010): Institute of Science and Engineering, Department of Chemical Engineering, Firat University, Elazığ.				
MSc (2003): Institute of Science and Engineering, Department of Metallurgical and Materials Engineering, Firat University, Elazığ.				
BSc (2000): Department of Mining Engineering, Inonu University, Malatya.				
Professional Experience				
Research Assistant, Firat University, Dept. of Metallurgical and Materials Engineering, 2001-2003.				
Research Assistant, Firat University, Dept. of Chemical Engineering, 2003-2009.				
Expert, Firat University, Dept. of Metallurgical and Materials Engineering, 2009-2011.				
Assist. Prof.Dr.Firat University, Dept. of Metallurgical and Materials Engineering, 2011-2016				
Associate Prof.Dr. Firat University, Dept. of Metallurgical and Materials Engineering, 2016-				

Published Articles

1 Turan M. D. (2014). Direct selective leaching of chalcopyrite concentrate. Canadian Metallurgical Quarterly, 53(4), 444-449., Doi: 10.1179/1879139514Y.0000000141,

2 Turan M. Deniz, Safarzadeh M. Sadegh (2012). Separation of zinc, cadmium and nickel from ZnO–CdO–NiO mixture through baking with ammonium chloride and leaching. Hydrometallurgy, 119120, 1-7., Doi: 10.1016/j.hydromet.2012.03.006,

3 Turan M. Deniz, Altundogan H. Soner (2013). Leaching of Chalcopyrite Concentrate with Hydrogen Peroxide and Sulfuric Acid in an Autoclave System. Metallurgical and Materials Transactions B, 44(4), 809-819., Doi: 10.1007/s11663-013-9858-0

4 Turan M. D., Altundogan H. S. (2013). Leaching of copper from chalcopyrite concentrate by using ammonium persulphate in an autoclave: Determination of most suitable impeller type by using response surface methodology. Journal of Central South University, 20(3), 622-628., Doi: 10.1007/s11771-013-1527-6

5 Deniz Turan M., Soner Altundogan H. (2014). Leaching of a copper flotation concentrate with ammonium persulfate in an autoclave system. International Journal of Minerals, Metallurgy, and Materials, 21(9), 862-870., Doi: 10.1007/s12613-014-0982-x

6 Turan M. Deniz, Altundogan H. Soner, Tümen Fikret (2004). Recovery of zinc and lead from zinc plant residue. Hydrometallurgy, 75(1-4), 169-176., Doi: 10.1016/j.hydromet.2004.07.008

7 Erdem Mehmet, Altundogan H. Soner, **Turan M. Deniz,** Tümen Fikret (2005). Hexavalent chromium removal by ferrochromium slag. Journal of Hazardous Materials, 126(1-3), 176-182., Doi: 10.1016/j.jhazmat.2005.06.017

8 Turan M. D., Altundogan H. S. (2014). A study on Cr(VI) reduction from aqueous solutions by bauxite. Journal of Central South University, 21(5), 1961-1967., Doi: 10.1007/s11771-014-2143-9

9 Mehmet D. Turan, Leyla Kalender (2015). An Alternative Approach for the Metal Production from Copper Slag, Current Physical Chemistry, 2014, 4, 313-317.

10 M. Deniz Turan, Hasan Arslanoğlu, H. SonerAltundoğan (2015). Optimization of the leaching conditions of chalcopyrite concentrate using ammonium persulfate in an autoclave system, Journal of the Taiwan Institute of Chemical Engineers, 50: 49-55.

11 M. Deniz Turan, H. Soner Altundoğan (2011). Use of Response Surface Methods in Hydrometallurgical Researches (In Turkish), Madencilik, Vol:50, No:3,pp: 11-23.

12 Leyla Kalender, Sevda Kırbağ, Cemal Bölücek, Güllü Kırat, **M. Deniz Turan** (2010). Effects on Acid Mine Drainage of Sulphate Reducing Bacteria Experiments: A Case at the Maden Copper Deposit, Elaziğ (In Turkish), Fırat Univ. Journal of Engineering 22 (2), 197-204.

13 H. Soner Altundođan, **M. Deniz Turan** (2012). The recovery of precious metals from copper converter slag by sulphur roasting-water leaching method, Elazig (In Turkish), Firat Univ. Journal of Engineering 24 (1), 37-44.

14 M. Deniz Turan, Hasan Arslanođlu, H. Soner Altundođan (2013). A research on the extraction of metals from kure chalcopyrite concentrate in the pressure reactor system, Sakarya (In Turkish), SAU J. Sci. Vol 17, No 3, p. 447-455.

15 Ahmet Haxhiaj, **Mehmet Deniz Turan**, Bersant Beka (2016). The Management of Zinc Concentrate Acquisition in "Trepca", International Journal of Mineral Processing and Extractive Metallurgy, 1(4): 26-32.

16 M. Deniz TURAN, Z. Abidin SARI, Jan D. MILLER (2017). Leaching of blended copper slag in microwave oven, Transaction Nonferrous Metals Society of China, 27: 1404-1410.

17M. Deniz Turan, Musa Sarıkaya, Z. Abidin Sarı, Ahmet Haxhiaj, Tolga Depci, Aslıhan Demiraslan, Hasan Nizamođlu (2017). Investigating and optimization of copper extraction from chalcopyrite concentrate with hydrogen peroxide in presence of acetic acid, Current Physical Chemistry, Volume 7, (4)- 267-272.

18 Musa Sarıkaya, **M. Deniz Turan**, Ramazan Aydogmus, Aysegul Yucel, Nilgun Kizilkaya, Tolga Depci (2017). Extraction of Meso-pores Amorphous SiO₂ from Van Pumice, Current Physical Chemistry, Volume 7 (4)- 301-304.

19M. Deniz Turan, Z. Abidin Sarı, Hasan Nizamođlu, Yunus Elmas (2017). Optimization of Copper Extraction from Advanced Milled Chalcopyrite Concentrate with Hydrogen Peroxide Leaching. Yer Altı Kaynakları Dergisi-*Journal of Underground Resources*, 11: 47-51.

20M. Deniz Turan, Mustafa Boyrazlı, H. Soner Altundođan (2018). Improving of copper extraction from chalcopyrite by using NaCl, J. Cent. South Univ. 25, 21-28.

International Book Chapter Author

Mehmet Deniz TURAN (2018). Statistical Approach to Mineral Engineering and Optimization, Chapter from the book Contributions to Mineralization, Chapter: 8, 167-186.

Congresses and Symposia

1) H.S. Altundođan, M. Boyrazlı, **M.D. Turan**, F. Tümen (2002). Çınko Ekstraksiyon Artığından Çınko Ve Kursunun Nitrik Asit Liđı İle Kazanılması. National Chemical Engineering Congresses (In Turkish) (UKMK) 5, Ankara Univ. Ankara-Turkey.

2) M. Deniz Turan, H.Soner Altundođan, Fikret Tümen (2004). Çınko Ekstraksiyon Artığından Ardısıık Olarak Uygulanan Sülfürük Asit Kavurması-Su Liđı Ve NaCl Liđı Yöntemleriyle Çınko Ve Kursunun Geri Kazanılması. National Chemical Engineering Congresses (In Turkish). (UKMK) 6, Ege Univ. İzmir-Turkey.

3) M. Deniz Turan, Nurdan Bahar, H.Soner Altundođan (2008). Amonyum Persulfat Lıçı İle Bakır Üretımı Konverter Cürufundan Metallerın Gerı Kazanıması. National Chemical Engineering Congresses (In Turkish). (UKMK) 8, İnönü Univ. Malatya-Turkey.

4) Nurdan Bahar, M. Deniz Turan, H.Soner Altundođan, Fikret Tümen (2008). Bakır Üretim Matının Amonyum Persulfat İle Lıç Kinetiđinin Ortaya Konulması. National Chemical Engineering Congresses (In Turkish). (UKMK) 8, İnönü Univ. Malatya-Turkey.

5) M. Deniz Turan, Nurdan Bahar, H.Soner Altundođan, Fikret Tümen (2008). Bakır Üretımı Matının Amonyum Persulfat İle Lıçının İncelenmesi. National Chemical Engineering Congresses (In Turkish). (UKMK) 8, İnönü Univ. Malatya-Turkey.

6) Nurdan Bahar, M. Deniz Turan, H.Soner Altundođan, Fikret Tümen (2008). Bakır Üretımı Matının Hidrojen Peroksit Varlıđında Sülfürik Asit İle Lıçının İncelenmesi. National Chemical Engineering Congresses (In Turkish). (UKMK) 8, İnönü Univ. Malatya-Turkey.

7) Bayram Sital, Ercan Keskin, M. Deniz Turan, H.Soner Altundođan (2010). Sülfürik Asit Varlıđında Hava Oksijeni Kullanarak Küre Kalkopirit Konsantresinden Bakırın Ekstraksiyonu. National Chemical Engineering Congresses (In Turkish). (UKMK) 9, Gazi Univ. Ankara-Turkey.

8) M. Deniz Turan, Hasan Arslanođlu, H.Soner Altundođan (2010). Cevap Yüzey Metodu (Rsm) Kullanarak Basınç Reaktöründe Kalkopirit Konsantresinin Amonyum Persulfat İle Lıçının İncelenmesi. National Chemical Engineering Congresses (In Turkish). (UKMK) 9, Gazi Univ. Ankara-Turkey.

9) Leyla Kalender, Sevda Kırbag, Cemal Bölücek, Güllü Kırat, M. Deniz Turan (2010). The Sulfate Reducing Bacterium Experiments in AMD Waters of the Maden (Elazıđ) Copper Deposit. International Symposium Oneastern Mediterranean Geology (7) Adana- Turkey.

10) Ramazan Orhan, M. Deniz Turan, Gülbeyi Dursun (2012). Odun Talası Kullanılarak Sulu Ortamdan Reaktif Black 5'in Uzaklaştırılması. National Chemical Engineering Congresses (In Turkish). (UKMK) 10, Koç Univ. İstanbul-Turkey.

11) Yusuf Günel, Ufuk Kaplan, Z. Abidin Sarı, M. Deniz Turan (2014). Bakır Üretim Tesisi Cüruf Karışımından Bakırın Seçimli Ekstraksiyonu. National Chemical Engineering Congresses (In Turkish). (UKMK) 11, Osmangazi Univ. Eskişehir-Turkey.

12) M. Ali Dađlı, Onur Balcı, Z. Abidin Sarı, M. Deniz Turan (2014). İleri Öğütme Şartları Altında Kalkopirit Konsantresinden Metallerin Ekstraksiyon Veriminin Geliştirilmesi. National Chemical Engineering Congresses (In Turkish). (UKMK) 11, Osmangazi Univ. Eskişehir-Turkey.

13) Mustafa Aksoy, Hülya Demirören, M. Deniz Turan, H.Soner Altundogan (2014). Ni-Cr-Mo ve Co-Cr-Mo Dis Protez Metallerinin Korozyon Davranışının İncelenmesi. 13th International Corrosion Congresses, Elazıđ-Turkey.

14) M. Deniz Turan, Z. Abidin Sarı, Mehmet Erdem (2015). Selective leaching of blended copper slag,

XVI Balkan Mineral Processing Congress, Belgrade-Serbia.

15) Engin Ayhan, Sevda Alan, Büşra Önce, Veli Yıldız, Ali Ergin, Z. Abidin Sarı, **M. Deniz Turan** (2016). Investigation of leaching of non-milled and advanced milled chalcopyrite by using potassium dichromate as oxidant, International Black Sea Mining & Tunnelling Symposium, Trabzon-Turkey.

16) Mustafa Gürbüz, Tuğçe Özcan, Selin Baydemir, Ümit Demir, Veysi Yelken, Z. Abidin Sarı, **M. Deniz Turan** (2016). Improving the efficiency of chalcopyrite leaching via milling in ring mill, International Black Sea Mining & Tunnelling Symposium, Trabzon-Turkey.

17) M. Deniz Turan, Z. Abidin Sarı, Hasan Nizamoğlu, Yunus Elmas (2016). Optimization of copper extraction from advanced milled chalcopyrite concentrate with hydrogen peroxide leaching, International Black Sea Mining & Tunnelling Symposium, Trabzon-Turkey.

18) M. Deniz Turan, Z. Abidin Sarı, Faruk Demir (2016). Leaching of copper from chalcopyrite concentrate in nitric acid and dichromate medium under conditions of non-milled and advanced milled, International Black Sea Mining & Tunnelling Symposium, Trabzon-Turkey.

19) Z. Abidin Sarı, Aslıhan Demiraslan, **M. Deniz Turan** (2016). Comparative Leaching Of Chalcopyrite With Non-Milled And Advanced Milled Flotation Concentrate, 18th International Metallurgy and Materials Congress, Istanbul-Turkey.

20) M. Deniz Turan, Ertuğrul Terzi, Z. Abidin Sarı (2016). Leaching of Copper from Chalcopyrite Concentrate Under Conditions Effective Oxidizing by Using Response Surface Methodology, 18th International Metallurgy and Materials Congress, Istanbul-Turkey.

21) Doğukan Boz, Enser Karakaş, Z. Abidin Sarı, **M. Deniz Turan** (2016). Evaluation of Statistical Approaching of Hydrometallurgical Copper Extraction from Advanced Milled Flotation Concentrate, 18th International Metallurgy and Materials Congress, Istanbul-Turkey.

22) M. Deniz Turan, Z. Abidin Sarı (2016). Ultrasound assisted leaching of copper slag, 2nd International Turkic World Conference on Chemical Sciences and Technologies, Skopje-Macedonia.

23) Turan Mehmet Deniz, Sarı Zeynel Abidin, Demriaslan Aslıhan, Nizamoğlu Hasan (2017). SELECTIVE IRON DISSOLUTION FROM CHALCOPYRITE CONCENTRATE, International Science and Technology Conference (ISTEC 2017), Berlin-Germany.

24) Sarı Zeynel Abidin, **Turan Mehmet Deniz,** Demriaslan Aslıhan, Nizamoğlu Hasan (2017). BAKIR İZABE CÜRUFUNDAN DEĞERLİ METALLERİN HİDROMETALURJİK OLARAK GERİ KAZANILMASI, International Science and Technology Conference (ISTEC 2017) (In Turkish), Berlin-Germany.

25) Nizamoğlu Hasan, **Turan Mehmet Deniz,** Demriaslan Aslıhan, Sarı Zeynel Abidin (2017). BAKIR ÜRETİM CÜRUF KARIŞIMININ AMONYUM HİDROKSİT VE PERKLORİK ASİT İLE LİÇİNİN İNCELENMESİ, International Science and Technology Conference (ISTEC 2017), (In Turkish), Berlin-Germany.

26) Aslıhan Demriaslan, **Mehmet Deniz Turan,** Zeynel Abidin Sarı, Hasan Nizamoğlu (2017). Optimization of Leaching Conditions of Copper Slag, International Advanced Technologies Symposium (IATS17), Elazığ-Turkey.

27) Elif ARANCI OZTURK, Mustafa BOYRAZLI, **Mehmet Deniz TURAN,** Murat ERDEMOGLU (2018). The

Effect of Time of Grinding on Extended Grinding of Carbonized Tea Plant Waste and Magnetite Concentrate Mixture, International Congress on Mathematics, Engineering, Natural and Health Science, Kiev-Ukrania.

28) M. Deniz Turan, Z. Abidin Sarı, Aslihan Demiraslan, Hasan Nizamoğlu, Murat Erdemoğlu, Tolga Depci (2018). Selective Iron Dissolution From Chalcopyrite Concentrate Using Oxalic Acid In An Autoclave System, 7th International Conference on Advanced Technologies, Antalya-Turkey.

29) M. Deniz TURAN, H. Soner ALTUNDOĞAN, Mustafa BOYRAZLI, Z. Abidin SARI, Aslihan DEMİRASLAN, Hasan NİZAMOĞLU (2018). Characterization of Zinc Plant Residue, 7th International Conference on Advanced Technologies, Antalya-Turkey.

30) M. Deniz TURAN, Zeynel Abidin SARI, Hasan NİZAMOĞLU, Aslihan DEMİRASLAN (2018). Extraction of Metals From Chalcopyrite in The Presence of Titriplex(III) by Using Hydrogen Peroxide, IMSMATEC'18, The Internatinal Conference on Materials Science Mechanical and Automation Engineerings and Technology in İzmir-Turkey.

31) M. Deniz TURAN, Aslihan DEMİRASLAN, Z. Abidin SARI, Hasan NİZAMOĞLU (2018). Recovery of Copper From Blended Copper Slag Using Rolling Mill Scale, IMSMATEC'18, The Internatinal Conference on Materials Science Mechanical and Automation Engineerings and Technology in Çeşme/İzmir-Turkey.

32) Z. A. Sarı, M. D Turan, H. Nizamoğlu, A. Demiraslan (2018). Leaching Kinetics of Copper Blended Slag Assisted Ultrasound, International Conference on Innovative Engineering Applications, Sivas-Turkey.

33) H. Nizamoğlu, M. D Turan, Z. A. Sarı, A. Demiraslan (2018). Technological Research of Zinc Extraction from Elazığ Simitsonite Ore, International Conference on Innovative Engineering Applications, Sivas-Turkey.

34) M. D. Turan, Z. A. Sarı, A. Demiraslan, H. Nizamoğlu, T. Depci, M. Erdemoğlu (2018). HCl Leaching of Copper Oxalate Obtained from Chalcopyrite Concentrate, International Conference on Innovative Engineering Applications, Sivas-Turkey.

Journal Name (Editorial)	Status
Current Physical Chemistry (Guest Editor)	Guest Editor (April2015-October2015)
Journal of Materials Sciences and Applications	Editorial Board-Continue
American Journal of Environmental Policy and Management	Editorial Board-Continue
American Journal of Chemistry and Application	Editorial Board-Continue
Current Physical Chemistry (Guest Editor)	Guest Editor (Agust2016-J

	January 2017)
International Journal of Mineral Processing and Extractive Metallurgy	Editorial Board-Continue
Chemical and Biomolecular Engineering	Editorial Board-Continue

Awards and Honors

*First Prize of Undergraduate: 2000

*Second Prize of researching and development in mining sector: 2013

*Second Prize of Graduation project contest in Engineering Faculty of Firat University (as Project manager): 2016

Teaching Experience

Every semester; 2 undergraduate courses

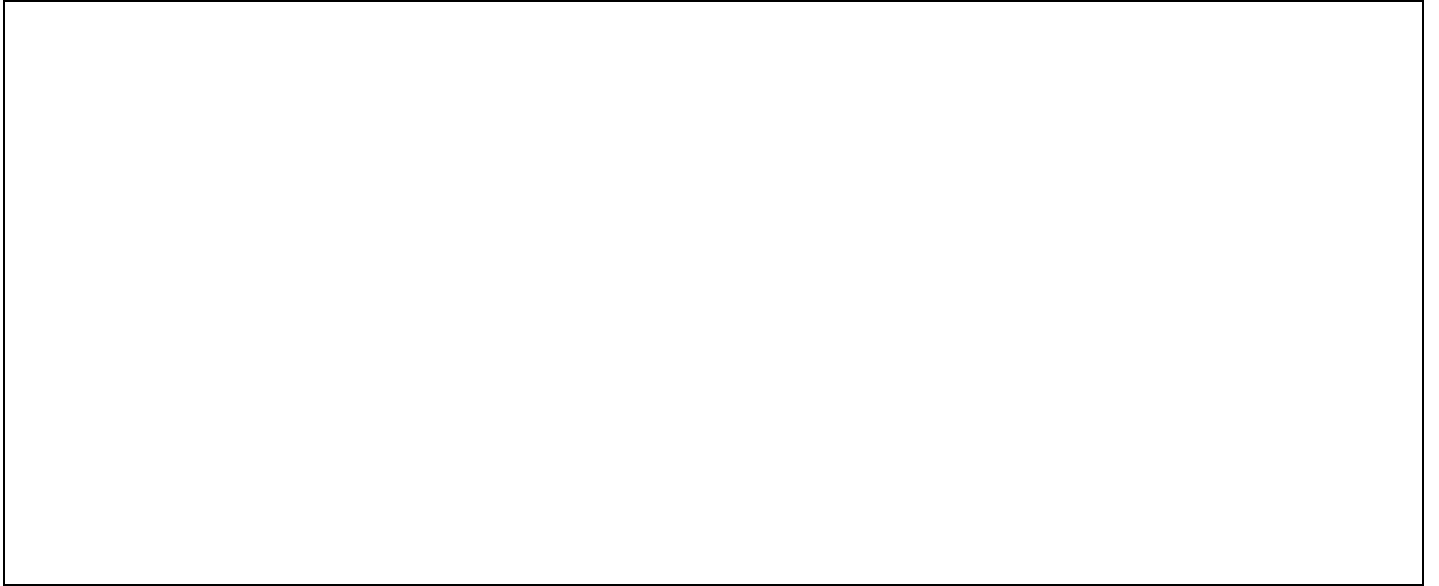
2 postgraduate courses

Departmental Tasks

- ERASMUS Coordinator (between 2010-2014)
- Webmaster of department page (2011-2015)
- ECTS responsible (Continue)
- Head of department of extractive metallurgy (2015-Continue)

Abroad Educational Experience

- Guest teacher in ERASMUS Program, (1 week) Poland, 2012.
- Guest teacher in ERASMUS Program, (1 week) Romania, 2013.
- Short term scientific researcher, University of Utah, (3 months) U.S.A, 2013.



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