

## **Prof.Dr. Cüneyt ARSLAN (retired)**

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Birth date, place: 01.01.1958, Balıkesir, Turkey  
Marital status: Married, one child  
Foreign language: English

### **EDUCATION**

1986 – 1991 : Columbia University (New York, U.S.A.), Ph.D.  
1990 : Columbia University (New York, U.S.A.), M.Phil.  
1984 – 1986 : Columbia University (New York, U.S.A.), M.Sc.  
1980 – 1982 : I.T.U. Metallurgy Faculty, M.Sc.  
1975 – 1980 : I.T.U. Metallurgy Faculty, B.Sc.

### **ACADEMIC**

2002 – present: Professor, I.T.U. Chemistry-Metallurgy Faculty, Metallurgical & Materials Engineering Department  
1995 – 2002 : Assoc.Prof., I.T.U. Chemistry-Metallurgy Faculty, Metallurgical & Materials Engineering Department  
1991 – 1995 : Asst.Prof., I.T.U. Chemistry-Metallurgy Faculty, Metallurgical & Materials Engineering Department  
1989 – 1990 : Research Assistant, Columbia University, New York, U.S.A.  
1980 – 1982 : Research Assistant, I.T.U. Metallurgy Faculty

### **ADMINISTRATIVE**

2012 – 2022 : Director, I.T.U. Prof.Dr. Adnan Tekin Materials Science and Production Technologies Applied Research Center  
2008 – 2014 : Member of Administrative Board, I.T.U. Chemistry-Metallurgy Faculty  
2006 – 2009 : Division Head, I.T.U. Chemistry-Metallurgy Faculty, Metallurgical & Materials Engineering Department, Extractive Metallurgy Division  
2004 – 2006 : Member of Transfer & Adaptation Commission, I.T.U. Chemistry-Metallurgy Faculty  
2000 – 2003 : Member of ABET Commission, I.T.U. Metallurgical & Materials Engineering Department  
2000 – 2001 : Vice Chair, I.T.U. Metallurgical & Materials Engineering Department  
1998 – 2001 : Member of Administrative Board, I.T.U. Chemistry-Metallurgy Faculty  
1995 – 2001 : Member of Scholarship Commission, I.T.U. Chemistry-Metallurgy Faculty  
1992 – 1995 : Member of Internship Commission I.T.U. Chemistry-Metallurgy Faculty

## AWARDS & FELLOWSHIPS

- 1990 – 1991 : William Campbell Fellowship, Henry Krumb School of Mines,  
Columbia University, New York, U.S.A.
- 1983 – 1989 : Fellowship to study abroad to pursue a Ph.D. degree,  
Ministry of Education of Turkish Republic

## MEMBER of

- TMMOB Chamber of Metallurgical Engineers (1980 – present)
- TMS of AIME (1985 – 1991)
- The Electrochemical Society (1985 – 1991)

## ACADEMIC ACTIVITIES

### Congress / Conference / Symposium Organized

- ICAM 2015, 12th International Congress for Applied Mineralogy, Organizing Committee Member and Secretary, August 10-12, 2015, Istanbul Technical University, Istanbul, Turkey ([www.icam2015.org](http://www.icam2015.org))
- Workshop on Energy and Emission Control in Istanbul and Its Surroundings, Organizer, 17 April 2015, Istanbul Technical University, Faculty of Mines (<http://www.isteek.org/calistay/>)
- 15th International Metallurgy and Materials Congress, Member of Organizing Committee, 11-13 November 2010, Tuyap Fair and Congress Center, Istanbul.
- 14th International Metallurgy and Materials Congress, Chair of the Organization Committee, 16-18 October 2008, Tuyap Fair and Congress Center, Istanbul.

### Courses Instructed

- Fundamentals of Transport Phenomena (English)
- Mass and Energy Balance (English)
- Experimental Approach to Electrometallurgy (English)
- Simulation of Metallurgical Processes (English)
- Transport Phenomena for Metallurgists (Graduate course, English)
- Modeling of Extractive Metallurgical Processes (Graduate course, English)
- Extractive Metallurgy Lab.
- Design & Material Selection
- Material Science (Bahçeşehir University, Graduate course / 2009, 2010)

### Master's and Ph.D. Theses administered

- **Yahya Akbari Sorkhe**, (Ph.D.), “Production of pseudo-brookite ( $\text{Fe}_2\text{TiO}_5$ ) powder by pyro- and hydro-metallurgical methods from ilmenite”, *present*

- **Ali Ulus**, (Ph.D.), “Production and Characterization of Aluminum Alloy Metallic Foams by Continuous Casting Method”, *present*
- **Duygu Tuluk**, (M.Sc.), “Boron carbide effect on PMMA”, (*Co-Advisor: Prof.Dr. Nilgün Baydoğan*), January 2023.
- **Merih Anıl Emir**, (M.Sc.), “Investigation of the effects of different alkali resources used as melting agents on the technological properties of ceramic wall tiles”, June 2020.
- **Selda Nayır**, (Ph.D.), “Cold sintering process on molybdenum disilicide/graphite composite electrodes”, June 2020.
- **Hale Tuğral Arslan**, (Ph.D.), “Hydrothermal growth of ZnO nanowires enhanced characteristic properties”, (*Co-Advisor: Prof.Dr. Nilgün Baydoğan*), March 2020.
- **Mazhar Ümit Büyükfırat**, (Ph.D.), “Shortening the Heat Treatment Processes of Extrusion Molds with Subzero Heat Treatment and Extension of Mold Life with PVD Coating, August 2019.
- **Raşit Sezer**, (Ph.D.), Al-Sr master alloy production from domestic celestite ore and investigating its properties, August 2018.
- **Emre Ulaştı**, (M.Sc.), Investigation of production parameters on mechanical properties of thermo-mechanical rolled S700MC steels, June 2018.
- **Tayfun Bel**, (Ph.D.), Multi-scale self-healing nanocomposite shielding material for aerospace, (*Co-Advisor: Prof.Dr. Nilgün Baydoğan*), January 2018.
- **Ayşegül Bilen**, (M.Sc.), Strontium carbonate production from local celestite concentrate via hydrometallurgical processes, December 2017. (Bapsis ITU, project ID: 40859)
- **Begüm Ucun**, (M.Sc.), Improving the process of coating HNS-IV explosive with a binder, September 2015.
- **Özgün Ünal**, (M.Sc.), Recovery of metallic values that RAM chips contain via hydrometallurgical routes, July 2015. (Bapsis ITU, project ID: 2767)
- **Mahmut Sefa Berke**, (M.Sc.), Extraction of the lanthanide group metals that Eskişehir-Beylikahır complex ore contain, from thorium and uranium via metallurgical processes, November 2014. (Bapsis ITU, project ID: 3114)
- **Emre Yılmaz**, (M.Sc.), Optimization of process parameters for recovering the metallic values from dental amalgam wastes, August 2014. (Bapsis ITU, project ID: 3111)
- **Erdem Kılıçaslan**, (M.Sc.), Production of manganese sulfate solution by leaching high carbon ferromanganese and process optimization, June 2013.
- **Merve Kızılarıslan**, (M.Sc.), Measures to increase traffic safety on highways: Guardrails, *Bahçeşehir University, Urban Systems and Transportation Management Program*, January 2012.
- **Enis Sevim**, (M.Sc.), Optimization of processes used for the purification of leach solutions obtained in hydrometallurgical manganese production, June 2013.
- **Elvan Ekiz**, (M.Sc.), Recovery of valuable metals from copper converter slags, May 2009.
- **A. Gamze Onuk**, (M.Sc.), Effect of catholyte flowrate on current efficiency in electrolytic chromium production from synthetically prepared Cr-alum solution, January 2007.

- **Ali Öztürk**, (M.Sc.), An alternative method to beneficiate the flue dust of copper refining furnace, May 2005.
- **Burak Aksoylu**, (M.Sc.), Copper refining electrolysis at high current densities, May 2003.
- **Gökhan Orhan**, (Ph.D.), De-metallization of galvanic industries' waste solutions in high convection electrolysis cells, May 2001.
- **Murat Çınarlı**, (M.Sc.), Removal of iron from manganese solutions and optimization of process variables, February 1997.
- **Ahmet Demir**, (M.Sc.), Evaluation of Denizli-Tavas manganese ores via acidic leaching and optimization of process parameters, June 1996.
- **Murat Ateş**, (M.Sc.), Product and process optimization in pressure casting via OHTEA technique, June 1995.
- **Gökhan Orhan**, (M.Sc.), Investigating the possibility of metallic chromium powder production via aluminothermy, September 1994.

## PROJECTS

- 2015 – 2017: Director, “Production of Al-Sr master alloy for aluminum casting industry from domestic celestite ore”, TUBITAK 1001, Project no: 115M631.
- 2014 – 2015: Director, “Developing a new system for cleaning diesel exhaust filters of public transportation vehicles in Istanbul”, Istanbul Development Agency, ISTKA, ISTKA-2014/EVK.
- 2013 – 2014: Director, “An education program for the workers of precious metal processing and recovery plants and engineers who inspect these plants on behalf of the public”, ISTKA, ISTKA-2012/YEK-48.
- 2011 – 2012: Director, “Development of new generation, boron-doped,  $\text{LiM}_x\text{B}_y\text{O}$  (M= Fe, Mn, Ni) based cathode material for lithium-ion batteries via ultrasonic spray pyrolysis technique”, BOREN 2011-Ç0271.
- 2006 – 2009: Researcher, “Fosgen removal by infrared laser during the production of pure boron trichloride suitable for the production of metallic boron via CVD technique”, TUBITAK 106M087.
- 2005 – 2007: Director, “Investigation of the electrolytic chromium production from domestic chromite ore and/or ferrochrome and modeling the process”, TUBITAK 105M073.
- 2004 – 2005: Director, “An alternative method to beneficiate the flue dust of copper refining furnace”, ITU BAP (ITU, Scientific Researches Unit)
- 1998 – 2000: Director, “De-metallization of galvanic industries' waste solutions in high convection electrolysis cells”, ITU BAP (ITU, Scientific Researches Unit)
- 1997 – 1998: Director, “Removal of iron from manganese solutions and optimization of process variables”, ITU BAP (ITU, Scientific Researches Unit)
- 1996 – 1997: Director, “Evaluation of Denizli-Tavas manganese ores via acidic leaching and optimization of process parameters”, ITU BAP (ITU, Scientific Researches Unit)
- 1994 – 1995: Director, “Investigating the possibility of metallic chromium powder production via aluminothermy”, ITU BAP (ITU, Scientific Researches Unit)

- 1988 – 1989: Researcher, Columbia University, “Metallic chromium production via molten salt electrolysis technique”, A project of Elkem Metals Company, Ohio, U.S.A.
- 1987 – 1988: Researcher, Columbia University “Rehabilitation of Williamsburg Bridge Wires”, A project of New-York Municipality

## PUBLICATIONS

### Theses

- Ph.D. Thesis: Modeling the Performance of Aqueous Chromium Electrowinning Cells, Columbia University, New York, Thesis Advisor: Professor Paul F. Duby, May 1991.
- M.Sc. Thesis: The Effect of Methanol Addition in Zinc Electrowinning, Columbia University, New York, Thesis Advisor: Professor Paul F. Duby, December 1985.
- M.Sc. Thesis: Beneficiation of Karadeniz Copper Works’ slags via acid baking method, ITU Metallurgy Faculty, Thesis Advisor: Prof.Dr. Fuat Yavuz Bor, 1982.
- B.Sc. Thesis: Recovery of the salts used in aluminum electrolysis cells, ITU Metallurgy Faculty, Thesis Advisor: Prof.Dr. Fuat Yavuz Bor, 1980.

### Papers – *International*

1. Sorkhe Y.A., Bavafa P., Buldu A.İ., Yılmaz B.S., Derin B., **Arslan C.**, “Synthesis of anatase powder by ilmenite digestion followed by selective thermal decomposition and leaching”, *Ceramics International* 51 (1), 366-378.
2. Arslan F., Güven Z.B., Arslan Ü.Y., Benli B., **Arslan C.**, “Solvent extraction of nickel from iron and cobalt containing sulfate solutions”, *Material Science & Engineering International Journal*, 7 (1), 1-6, 2023.
3. Arslan F., Perek K.T., **Arslan C.**, Çuhadar İ.E., Altun A., “Studies on Acidic Leaching of Waste Mobile Phones”, *International Journal of Mineral Processing and Extractive Metallurgy*. Vol.7, Issue 2, June 2022, pp. 36-42, doi:10.11648/j.ijmpem.20220702.11
4. Tuluk D., Gül F.B., **Arslan C.**, Baydoğan N., “The behaviour of boron carbide (B<sub>4</sub>C) powder on borax/pmma composite surface”, *Journal of Nanomaterials & Molecular Nanotechnology*, Volume 10, ISSN: 2324-8777, Joint Event on 33rd Nano Congress for Future Advancements & 12th World Congress on Chemistry, April 28, 2021, Webinar, Keynote ([link](#))([PDF](#))
5. **Arslan C.**, Gürmen S., Arslan F., Onuk A.G., “Lab-scale chromium electrowinning in a diaphragm-type cell: effect of anode material and the head ( $\Delta h$ ), *SCIREA International Journal of Metallurgical Engineering*, Vol.5(1), Feb.2022, pp.1-14, open-access: ([link](#)) DOI: 10.54647/metallurgical45024.
6. Uysal C., Ertürk S., Arslan F., **Arslan C.** “Recovery of Metallic Values in Smart Cards”, *Research & Development in Material Science*, 16 (1), pp.1775-1778, (2021), DOI: [10.31031/RDMS.2021.16.000878](https://doi.org/10.31031/RDMS.2021.16.000878) (short communication)

7. Tuğral Arslan H., **Arslan C.**, Baydoğan N., “The effects of the curing parameters of the hydrothermal solution on the characteristic properties of ZnO nanowires”, Journal of Optics, (2021), <https://doi.org/10.1007/s12596-021-00757-0>
8. Sezer R. Hızlı İ.G., Bilen A., Ertürk S., Dışınar D., **Arslan C.**, “Metallothermic Production of Aluminum–Strontium Master Alloy for Modification of Silicon”, Metallography, Microstructure, and Analysis, 9, 833–840 (2020).  
<https://doi.org/10.1007/s13632-020-00697-4> WOS:000589996700002
9. Sezer R., Bilen A., Hızlı İ.G., Ertürk S., **Arslan C.**, “Effects of Furnace Slope and Rotational Speed on the Carbothermic Reduction of Celestite in a Laboratory-Scale Rotary Kiln Furnace”. Mining, Metallurgy & Exploration, vol. 37, 1273–1278 (2020).  
<https://doi.org/10.1007/s42461-020-00223-8> WOS:000530973500001
10. Perek K.T., Benli B., **Arslan C.**, Arslan F., “Recovery of ZnO from Lead-Zinc Flotation Tailings by Hydrometallurgical Processes –XRD, SEM, and AFM Studies”, Journal of Mining and Metallurgy, 56 A (1), pp.23-35, (2020), DOI: [10.5937/JMMA2001023P](https://doi.org/10.5937/JMMA2001023P)
11. Tuğral Arslan H., **Arslan C.**, Baydoğan N., “Effect of Hydrothermal Solutions on Optical and Electrical Properties of ZnO Nanowires Grown on a ZnO: Al Seed Layer for Improved Mechanical Performance”, Journal of Nanoelectronics and Optoelectronics, 15 (3), 2020, pp. 307-315, DOI: [10.1166/jno.2020.2748](https://doi.org/10.1166/jno.2020.2748), WOS:000541477900001
12. Türk T., Alp İ., Sezer R., **Arslan C.**, “Removal of arsenic from water using copper slag”, Journal of the Southern African Institute of Mining and Metallurgy, vol.120, issue 5, pp. 313-318, May 2020, DOI: [10.17159/2411-9717/766/2020](https://doi.org/10.17159/2411-9717/766/2020)
13. Tuğral Arslan H., Üper O., Özdemirsoğlu T., **Arslan C.**, Baydoğan N., “Optical Model of Sol-Gel Derived Al ZnO Thin Film”, Acta Scientific Ophthalmology, Vol. 2, No. 10, 2019, pp.12-15, ISSN: 2582-3191
14. Bel T., **Arslan C.**, Baydoğan N., “Radiation shielding properties of poly (methyl methacrylate) / colemanite composite for the use in mixed irradiation fields of neutrons and gamma rays”, Materials Chemistry and Physics, Vol. 221, 1 January 2019, Pages 58-67. <https://doi.org/10.1016/j.matchemphys.2018.09.014>
15. Sezer R., **Arslan C.**, “Mechano-chemical conversion of celestite in highly concentrated sodium carbonate media”, Physicochemical Problems of Mineral Processing, 55 (2), 2019, 324-335. DOI: [10.5277/ppmp18134](https://doi.org/10.5277/ppmp18134). (<https://bit.ly/2RSYG1U>)
16. Sezer R., Bilen A., Yılmaz E., Ertürk S., **Arslan C.**, “Investigation of leaching characteristics of celestite concentrate in acidic media and SrCO<sub>3</sub> production via precipitation”, Journal of the Faculty of Engineering and Architecture of Gazi University, 34 (3), 2019, 1409-1416. DOI: [10.17341/gazimmfd.460538](https://doi.org/10.17341/gazimmfd.460538).
17. Bel T., **Arslan C.**, Baydoğan N., “Production of PMMA / Microsphere / Montmorillonite Nanocomposite and PMMA / Microsphere / Halloysite Nanocomposite by Atom Transfer Radical Polymerization Technique and Comparative Investigation of Mechanical Properties” (*PMMA / mikroküre / montmorillonite nanokompozit ve PMMA / mikroküre/halloysite nanokompozitin atom transfer radikal polimerizasyon tekniği ile üretilmesi ve mekanik özelliklerinin karşılaştırmalı olarak incelenmesi*), Journal of the Faculty of Engineering and Architecture of Gazi University, 34 (2), 2019, 687-700, DOI: [10.17341/gazimmfd.416525](https://doi.org/10.17341/gazimmfd.416525)
18. Çelik C., **Arslan C.**, Arslan F., “Recycling of waste electrical cables”, Material Science and Engineering International Journal, 3 (4), 2019, 107-111. ISSN: 2574-9927.

19. Yılmaz E., Ertürk S., **Arslan C.**, Arslan F., “Silver recovery from dental amalgam wastes”, *Material Science and Engineering International Journal*, 3 (5), 2019, 172-176. ISSN: 2574-9927. (<https://medcraveonline.com/MSEIJ/MSEIJ-03-00109.pdf>)
20. Nayir S., Waryoba D.R., Rajagopalan R., **Arslan C.**, Randall C.A., “Cold Sintering of a Covalently Bonded MoS<sub>2</sub>/Graphite Composite as a High Capacity Li–Ion Electrode”, *ChemNanoMat*. 4 (10), 2018, 1088-1094, ISSN: 2199692X, DOI: [10.1002/cnma.201800342](https://doi.org/10.1002/cnma.201800342).
21. Bel T., Çakar H., Yahya N., **Arslan C.**, Baydoğan N., “Investigation of the Bubble Effect in Lightweight PMMA Polymer”, *Defect and Diffusion Forum*, ISSN: 1662-9507, Vol. 380, pp 227-231, DOI:[10.4028/www.scientific.net/DDF.380.227](https://doi.org/10.4028/www.scientific.net/DDF.380.227), November 2017.
22. Sezer R., Hızlı G., Bilen A., Ertürk S., **Arslan C.**, “Effect of Mechanical Activation on Roasting of Celestite Ore”, *Yer Altı Kaynakları Dergisi | Journal of Underground Resources*, 6 (11), 2017, 53-59. (<https://dergipark.org.tr/tr/download/article-file/366499>)
23. Ebin B., Gürmen S., **Arslan C.**, Lindbergh G., “Electrochemical properties of nanocrystalline LiFe<sub>x</sub>Mn<sub>2-x</sub>O<sub>4</sub> (x = 0.2–1.0) cathode particles prepared by ultrasonic spray pyrolysis method”, *Electrochimica Acta*, Vol. 76, 1, August 2012, pp. 368-374.
24. Ebin B., Gürmen S., **Arslan C.**, “Synthesis and Structural Characterization of LiZn<sub>0.5</sub>Mn<sub>1.5</sub>O<sub>4</sub> Cathode Materials”, *International Journal of Material Science and Electronics Research*, Vol. 1, No. 2, July-Dec. 2010, pp. 49-53.
25. Kartal G., Timur S., **Arslan C.**, “Effects of Process Current Density and Temperature on Electrochemical Boriding of Steel in Molten Salts”, *Journal of Electronic Materials*, Vol. 34, No.12, 2005, pp.1538-1542.
26. Gürmen S., Orhan G, **Arslan C.**, Timur S., “Copper Refining Electrolysis at High Current Densities”, *ARI - The Bulletin of the Istanbul Technical University*, Vol. 54, No.2, July 2004, pp.40-44.
27. **Arslan C.**, Arslan F., “Thermochemical Review of Jarosite and Goethite Stability Regions at 25 and 95°C”, *Turkish Journal of Engineering and Environmental Sciences*, 27, 2003, pp.45-52.
28. **Arslan C.**, Arslan F., “Recovery of copper, cobalt, and zinc from copper smelter and converter slags”, *Hydrometallurgy*, Vol. 67, (1), 2002, pp.1-7.
29. Orhan G., **Arslan C.**, Bombach H., Stelter M., “Nickel recovery from the rinse waters of plating baths”, *Hydrometallurgy*, Vol. 65, (1), 2002, pp.1-8.
30. Gürmen S., Timur S., **Arslan C.**, Duman İ., “Production of Pure Tungsten Oxide from Scheelite Concentrates”, *Scandinavian Journal of Metallurgy*, 31, (3), 2002, pp.221-229.
31. Çamcı L., Aydın S., **Arslan C.**, “Reduction of Iron Oxides in Solid Wastes Generated by Steelworks”, *Turkish Journal of Engineering and Environmental Sciences*, 26, 2002, pp.37-44.
32. Arslan F., **Arslan C.**, Çelik M.S., “Arsenic Removal through the Decrepitation of Colemanite Ores”, *Powder Technology*, 25 June 1999, Vol./Issue: 103/3, 260-264.
33. Orhan G., **Arslan C.**, “Investigating the Effects of Charge Components on Metallic Chromium Production via Aluminothermic Route with no External Energy”, *Minerals & Metallurgical Processing*, May 1999, Vol. 16, No.2, 62-64.
34. Gürmen S., Timur S., **Arslan C.**, Duman İ., “Acidic Leaching of Scheelite Concentrate and Production of Hetero-poly-tungstate Salt”, *Hydrometallurgy*, 51, (1999), 227-238.

35. **Arslan C.**, DUBY P., "The Anodic Oxidation of Cr(III) to Cr(VI) in a Laboratory-Scale Chromium Electrowinning Cell", *Hydrometallurgy*, 46, April 1997, pp.337-348.  
[https://doi.org/10.1016/S0304-386X\(97\)00029-7](https://doi.org/10.1016/S0304-386X(97)00029-7)
36. **Arslan C.**, Orhan G., "Investigation of Chrome(VI) Oxide Production from Chromite Concentrates by Alkali Fusion", *International Journal of Mineral Processing*, 50, (1997), pp.87-96. DOI: [10.1016/s0301-7516\(97\)00009-4](https://doi.org/10.1016/s0301-7516(97)00009-4)
37. Aydın S., Taptık Y., **Arslan C.**, "Scrap, Recycling and Steel Production -A General Perspective and Türkiye's Standpoint", *Ironmaking and Steelmaking*, Vol. 23, No. 3, 1996, pp.242-246. WOS:A1996VJ64900008
38. Aydın S., **Arslan C.**, Taptık Y., Dikeç F., "Turkish Iron and Steel Industry: Developments Within The Last 15 Years", *Steel World*, No:1, 1996, pp.95-101.
39. Şirin B., Açma E., **Arslan C.**, Addemir O., "The Effect of Sulphur on Tungsten Recovery from Scheelite Concentrates by Alkali Fusion", *Canadian Metallurgical Quarterly*, Vol. 33, No. 4, 1994, pp.313-318.
40. Oktaybaş C., Açma E., **Arslan C.**, Addemir O., "Kinetics of Copper Precipitation by H<sub>2</sub>S from Sulfate Solutions", *Hydrometallurgy*, 35, 1994, pp.129-137. DOI: [10.1016/0304-386X\(94\)90024-8](https://doi.org/10.1016/0304-386X(94)90024-8)

#### **Papers – National**

- Büyükfirat M.Ü., **Arslan C.**, "Improvement of wear resistance of extrusion dies by heat treatment and PVD coating method", *Metal Dünyası*, No. 308, Feb. 2019, pp.61-65.
- Arslan F., **Arslan C.**, "Copper Production Processes (III)", *Copper Life*, No:7, July/August 2006, pp.36-41/59-64.
- Arslan F., **Arslan C.**, "Copper Production Processes (II)", *Copper Life*, No:5, April 2006, pp.38-47.
- Arslan F., **Arslan C.**, "Copper Production Processes (I)", *Copper Life*, No:4, February 2006, pp.34-40.
- **Arslan C.**, "Lab-scale investigation of the mechanism of methanol addition in zinc electrolysis ", *Metalurji*, No:93, December 1994, pp.47-54.
- Arslan F., **Arslan C.**, Açma E., "Alternative processes to the cyanide leaching used in gold and silver extraction", *Metalurji*, No:85, August 1993, pp.57-65.
- Arslan F., **Arslan C.**, Açma E., "A general look to the beneficiation possibilities of Turkish gold ores", *Metalurji*, No:79, November 1992, pp.43-52.
- Kellogg H.H. (author), **Arslan C.** (translated to Turkish), "Trends in non-ferrous pyrometallurgy II", *Metalurji*, No:43, April 1986, pp.7-16.
- Kellogg H.H. (author), **Arslan C.** (translated to Turkish), "Trends in non-ferrous pyrometallurgy I", *Metalurji*, No:42, February 1986, pp.5-18.



## Books & Book Chapters

- Arslan F., **Arslan C.**, “Zeolit”, Endüstriyel Mineraller El Kitabı, G. Önal, E. Yüce, O. Kangal, D. Ergunalp, (Editörler), s.329-335, İstanbul Maden İhracatçıları Birliği, Temmuz 2023, İstanbul.
- **Arslan C.**, Arslan F., “Antimuan”, Endüstriyel Mineraller El Kitabı, G. Önal, E. Yüce, I. Özpeker, A. Güney, (Editörler), s.9-14, İstanbul Maden İhracatçıları Birliği, Ekim 1999, İstanbul.
- Arslan F., **Arslan C.**, “Nadir Toprak Metalleri”, Endüstriyel Mineraller El Kitabı, G. Önal, E. Yüce, I. Özpeker, A. Güney, (Editörler), s.143-149, İstanbul Maden İhracatçıları Birliği, Ekim 1999, İstanbul.
- Türkiye Kurşun Envanteri, (Kollektif çalışma), A. Ekrem Yüce (Editör), İstanbul Maden İhracatçıları Birliği, Temmuz 1998, İstanbul.
- Türkiye Bakır Envanteri, (Kollektif çalışma), A. Sirkeci (Editör), İstanbul Maden İhracatçıları Birliği, Temmuz 1998, İstanbul.
- Türkiye Çinko Envanteri, (Kollektif çalışma), A. Güney (Editör), İstanbul Maden İhracatçıları Birliği, Temmuz 1998, İstanbul.
- Addemir O., Açma E., **Arslan C.**, ÇİNKO, Sistem Yayıncılık, İstanbul, Mart 1995, ISBN No: 975-7397-41-5.
- Ateşok G., **Arslan C.**, “Sampling of Coal”, Ch.15 in COAL, O. Kural (Editor), İstanbul, 1994, pp.207-214, ISBN No: 975-95701-1-4.
- Dikeç F., Ateşok G., **Arslan C.**, “Coking of Coal”, Ch.24 in COAL, O. Kural (Editor), İstanbul, 1994, pp.309-335, ISBN No: 975-95701-1-4.
- İ.T.Ü. ABET 2000 Terimler Sözlüğü, İTÜ ABET PROJESİ Terim Birliği Sağlama Komisyonu: Tulunay Y., Serarşlan M.N., Devres O., **Arslan C.**, Gürbüz H., Aran N., Eskin N.

## Patent Applications

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