

C.V.

PERSONAL DATA

Name Mehmet S. Celik
Date of Birth Nov. 6, 1954 (Turkish Citizen)
Marital Status Married with four children
Address Istanbul Technical University
Mining Faculty, Mineral processing Section
Ayazaga, 80626 Istanbul-Turkey
Fax 90 212 285 6323
Phone 90 212 285 6345 (office)
Mobile: 90 532 2017733
E-mail mcelik@itu.edu.tr

EDUCATIONAL DATA

D. Eng. Sci. Henry Krumb School of Mines, Columbia
5/1982 University, New York, U.S.A.
Major: Mineral Processing and Applied
Surface and colloid Chemistry
Minor: Hydrometallurgy and Electrochemistry

M.S. Pennsylvania State University, U.S.A.
11/1977 Major: Mineral Processing
Minor: Particle Technology

B.S. Istanbul Technical University, Istanbul, Turkey
7/1974 Major: General Mining

PROFESSIONAL DATA

1990-Present Professor, Mineral Processing Department
Istanbul Technical University, Turkey
1/2019-3/2023 Rector, Harran University
8/2012-3/2016 Vice Rector in-charge of research and technoparks,
Istanbul Technical University; Turkey
6/2010-8/2010 Visiting professor, KFUPM Research Institute
4/2007-3/2010 Board Chair, Boron Research Institute, Ankara-Turkey
11/2003-11/2006 Board Member, Boron Research Institute, Ankara-Turkey
4/2007-Present Vice Chairman, ITU Mineral Processing Dept.
1/2004-10-2004 Project Consultant, Tübitak MAM
6/1995-9/1995 Visiting Professor, University of Utah
6/1997-8/1997 Metallurgical Engineering Dept., USA.
6-1999/9-1999
6-2002/9-2002 Board Member, Etimaden, Ankara-Turkey
9/1996-6/1997 Visiting Associate Professor in Mining and Minerals
9/1988-10/1989 Engineering Dept., Virginia Polytechnic
Institute and State University, U.S.A.
3/1988-8/1988 Associate Professor in Mining/Petroleum Engineering,
K.F. University of Petroleum&Minerals, Saudi. Arabia.
1/1983-3/1988 Assist.Professor, K.F. University of Petroleum& Minerals.
6/1984-9/1984 Visiting Research Scientist, Virginia Polytechnic
7/2002-8/2002 Institute and State University.
1978-1982 Graduate Research Assistant, Henry Krumb
School of Mines, Columbia University.

8. Other activities and responsibilities

I. Editorsip, Editorial Board

- a) Proceedings of Third International Mineral Processing Symposium, İstanbul, Editorls, Önal, G., Dogan, Z., Kaytaz, Y., and Celik, M.S., 1991.
- b) COAL: Resources, Properties, Utilization, Environment, Editors: O. Kural, M. Güney, E. Nasuf, M.S. Çelik, 1994.
- c) Innovations in Mineral Processing, Proceedings of the 7th International Mineral Processing Symposium, Balkema, Rotterdam, Atak, S., Önal, G. and Çelik, M.S. (Eds.), İstanbul, 1998.
- d) New Developments in Mineral Processing, Proceedings of 9th Balkan Mineral Processing Cong., Eds. Onal, G., Atak, S., Güney, A., Çelik, M.S. and Yüce, E., Beril Ofset, İstanbul.
- e) Proceedings of XXIII International Mineral Processing Congress, İstanbul, Editors, Önal, G., Acarkan, N., Çelik, M.S., and others, Promed Advertising Agency, 5 volumes, 2006.
- f) Kil Bilimi ve Teknolojisi Dergisi (Clay Science and Technology), Editor, ISSN 1306-5769 (2006-2011).
- g) Çelik et al. Proceedings of XV International Mineral Processing Symposium, İstanbul,
- h) Çelik, M.S., Associate Editor, Arabian J. of Geosciences (Springer), 08/2016.

II. Graduate Thesis Advisorship

1. Fuseni, A. B., "Phase Behavior and Microemulsion Studies on a Saudi Arabian Crude", **M.S. Thesis, K.F.U.P.M.**, May 1987.
2. Ahmed, S., "Adsorption of Surfactants on Saudi Arabian Limestone", K.F.U.P.M., **M.S. Thesis**, April 1987.
3. Hançer, M., "Recovery of Kırka Borax Wastes by Flotation", İTÜFBE **M.S. Thesis Tezi**, İ.T.Ü. Mining Eng. Dept., June 1994.
4. Seyhan, K., "Enhancing Floatability of Lignites by Heat Treatment", İTÜFBE **M.S. Thesis**, İ.T.Ü. Mining Eng. Dept., June 1994.
5. Yaşar, E., Electrokinetic and Electrostatic Properties of Boron Minerals, İTÜFBE, **M.S. Thesis**, Sept. 1994 (Co-advisor with Prof.Dr. Yalçın Kaytaz).
6. Gülgönül, İ., "Mechanism of Slime Coating in the flotation of Boron Minerals", İTÜFBE **M.S. Thesis**, Jan. 1995 (Co-advisor with Prof.Dr. Yalçın Kaytaz).
7. Sağlam, Upgrading of Helvacıbaşa Magnesite Ore by Flotation, İTÜFBE **M.S. Thesis**, Oct. 1996.
8. Kurşun, İ., Flocculation Behavior of Esan Eczacıbaşı Milas Feldspar Plant Albite Concentrate, İTÜFBE **M.S. Thesis**, Feb. 1997 (Co-advisor with Prof.Dr. Yalçın Kaytaz).
9. Çınar, M., Adsorption Mechanism of Anionic Reagents onto Sepiolite İTÜFBE **M.S. Thesis**, Jan. 1998.
10. Sabah, E., Identifying Adsorption Mechanism of Sepiolite in the presence of Various Amine Types, Osmangazi University FBE **PhD thesis**, Jan. 1998 (Co-Advisor with Prof.Dr. Hüseyin Özdağ).
11. Kara, M., Adsorption Mechanism of Toxic Heavy Metal Ions onto Sepiolite, İTÜFBE **PhD Thesis**, May 1999.
12. Çay, V., Removal of Impurities from Türkmentokadı Magnesite Ore, İTÜFBE **M.S. Thesis**, Sept. 1999.
13. Ersoy, B., Adsorption Mechanism of Various Cationic Surface Active Reagents onto Clinoptilolite and Uptake of Noionic pollutants from Aqueous Solution by Modified Ckinoptilolite, İTÜ FBE **PhD Thesis**, May 2000.
14. Hançer, M., The Significance of Interfacial Water Structure in Soluble Salt Flotation, University of Utah, **PhD Thesis**, Mayıs 2000 (Co-Advisor with Prof.Dr. J.D. Miller).
15. Özdemir, O., Characterization and Production of Tunçbilek Thermal Power Station Flyash By-Products, İTÜFBE **M.S. Thesis**, Feb. 2001.
16. Demir, C., Mechanism of Inorganic Electrolytes in the Selective Separation of Sodium and Potassium Feldspars, İTÜFBE **PhD Thesis**, July 2001.

17. Mart, U., Rheological Properties of Sepiolites with Inorganic Electrolytes, İTÜFBE **M.S. Thesis**, 2002
18. Gülgönül, İ., Effect of Mono and Multivalent Ions on the Cationic Flotation Separation of sodium and Potassium Feldspars, İTÜFBE **PhD Thesis**, July 2004.
19. Karagüznel, C., Parameters affecting Hydrophobicity of Na-K Feldspars minerals flotation by Flotation, Osmangazi University FBE **PhD Thesis**, Jan. 2005 (Co-Advisor with Prof.Dr. Ender Sönmez).
20. Çınar, M., Rheological Properties of Sepiolite and Production of water based Sepiolite, İTÜFBE **PhD Thesis**, July 2005.
21. Matazimov, D., Enrichment of Beypazarı and Kazan Tronas by Flotation and Magnetic Separation Methods, İTÜFBE **M.S. Thesis**, June 2005.
22. Erkan, İ., Amine Modification of Reşadiye Bentonite and Production of Epoxy Nased Nanocomposite Materials, **Karadeniz Teknik Üniversitesi FBE M.S. Thesis**, June 2008 (Co-Advisor with Assist. Prof. Dr. İbrahim).
23. Can, M.F., Characterization and Production of Sepiolite/Epoxy Nanocomposites, İTÜFBE **PhD Thesis**, Nov. 2008.
24. Çetinel, T. Activation of Mixed and Ca-Bentonites with Soda Ash and MgO, Dumlupınar University, FBE, **M.S. Thesis**, June 2009 (Co-Advisor with Y.Doç.Dr. Cengiz Karagüznel).
25. Ersever, G., Production of Dessicant Bentonite from Sepiolite, Dumlupınar Üniversitesi FBE, **M.S. Thesis**, June 2009 (Co-Advisor with Assist. Prof. Dr. Mustafa Çınar).
26. Avcı, S.B., Development of Çankırı Mixed Bentonites for Foundry Application, İTÜFBE **M.S. Thesis**, Feb. 2009.
27. Güven, O., Production and Characterization of Bentonite Added Styren-Butyl Acrylate Copolymer based Nanocomposites, İTÜFBE **M.S. Thesis**, Feb. 2010.
28. Kılınç, T., Determination of Physal and Foundry Properties of Different Bentonites, Cumhuriyet Üniversitesi FBE **PhD Thesis** (Co-Advisor with Prof.Dr. Yakup Cebeci), Oct. 2010.
29. Karataş, D., Molecular Dynamics Simulation of Cyclic Quaterner amines of different Chainlength onto Sepiyolit Surface, İTÜFBE **M.S. Thesis**, (Co-Advisor with Assist. Prof. Dr. Adem Tekin), June 2011.
30. Karakaş, F., Mechanism of Industrial Minerals in Water-Based Paints, İTÜFBE **PhD Thesis**, August 2011.
31. Karaağaçlıoğlu, İ.E., Characterization and Production of Boron and Mineral Added Celloosic selülozik yalıtım malzemesi üretimi ve karakterizasyonu, İTÜFBE **Doktora Tezi**, Ocak 2012.
32. Kütükçü M., Development of Production Processes for Tuzla Waste Brines for Potassium and Magnesium Compunds, İTÜFBE **PhD Thesis**, Feb. 2013.
33. Aykaç, U., Effect of Fluidization Characteristics of Air-based Fluidized Bed Washing systems on Separation of Coal-Inorganic Matter, İTÜFBE **M.S. Thesis**, June 2014.
34. Ersever, G., Developing Rheological Additives from Sepiolite, Dumlupınar University FBE, **PhD Thesis** (Co-Advisor with Assoc. Prof. Dr. Mustafa Çınar), Feb. 2016.
35. Güven, O., Effect of particle morphology on flotation (Tane morfolojisinin flotasyona etkisi), İTÜFBE **PhD Thesis**, August 2016.
36. Arslan, Ş.D., Experimental and Theoretical Analyses of Molecular Interations in Colemanite Suspensions, İstanbul University FBE, (Co-Advisor with Assoc. Prof. Dr. Orhan Özdemir), İÜFBE **PhD Thesis**, Feb. 2017.
37. Karataş, D., Production and Modeling of Clay added nanocomposite Via Targeted Cancer Treatment, (Co-Advisor with Assoc. Prof. Dr. Adem Tekin) İTÜFBE **PhD Thesis**, Oct. 2017.

38. Hassanzadeh, A., Effect of hydrodynamic parameters on particle-bubble interactions in flotation, İTÜFBE, **PhD. Thesis**, Dec. 2018.
39. Tunç, B., Çeşitli minerallerin topaklanma ve yüzey morfolojilerinin Flotasyon Verimlerine Etkisi, İTÜFBE **Y. Lisans Tezi**, June 2019.
40. Kılıç, M., Production of sodium and potassium feldspars from Kırşehir Buzlukdağı Nepheline Siyenite ore and their use in ceramics bodies, İTÜFBE **PhD Thesis** (Continuing).

III. Laboratory Development Activities:

- a) Establishment of Mineral processing Laboratory (KFUPM)
- b) Establishment of Flotation and Flocculation Laboratory (KFUPM)
- c) Establishment of Quantitative Chemical Analysis Laboratory for Mineral Processing Needs (KFUPM)
- d) Establishment of Surface And Colloid Chemistry Laboratory (KFUPM)
- e) Developing Surface and Colloid Chemistry Laboratory (İTÜ)
- f) Establishing Clay Characterization laboratory (with Dr. Feridun Boylu, İTÜ)
- g) Establishment of Rheology Laboratory (with Dr. Feridun Boylu, İTÜ)
- h) Establishing Paint Technology Laboratory (with Dr. Fırat Karakaş, İTÜ)
- i) Establishing Atomic Force Laboratory (with Dr. Birgül Benli, İTÜ)

IV. Refereeing

a) Scientific Journals

Adsorption Science and Technology
 Advances in Colloid and Interface Science
 Advanced Powder Technology
 Applied Clay Science
 Applied Surface Science
 Arabian Journal for Science and Engineering
 Canadian Journal of Chemical Engineering
 Canadian Metallurgical Quarterly
 Chemical Engineering Journal
 Chemistry of Materials
 Clean-Soil, Air, Water
 Colloid Polymer Science
 Colloids and Surfaces
 Coloration Technology
 Energy and Fuel
 European Journal for Mineral Processing and EP
 European Journal of Lipid Science and Technology
 Environmental Progress & sustainable Energy
 Environmental Science and Pollution Research
 Fuel
 Industrial&Engineering Chemistry Research
 International Journal of Green Energy
 International Journal of Mineral Processing
 Journal of the American Ceramic Society
 Journal of the American Chemical Society
 Journal of Applied Polymer Science
 Journal of Colloid and Interface Science
 Journal of Colloid and Polymer Science
 Journal of Engineering Management
 Journal of Environmental Management
 Journal of Hazardous Materials
 Journal of Mining Science

Journal of Molecular Structure
Journal of Water Supply: Research and Technology (AQUA)
Microporous and Mesoporous Materials
Minerals Engineering
Minerals and Metallurgical Processing Journal
Mineral Processing and Extractive Metallurgy Review
Particuology
Physicochemical Problems of Mineral Processing
Powder Technology
Separation Science and Technology
Separation and Purification Technology
Spectroscopic Letters
Waste Management Journal
Water Research
Water Science and Technology

Doğa
Geosound
Kil Bilimi ve Teknolojisi Dergisi
Maden Mühendisliği Dergisi
Ore Dressing
İTÜ ARI Dergisi

b) Project proposals

U.S. National Science Foundation
King Abdulaziz City for Science and Engineering
U.S. Department of Energy
İ.T.Ü. Research Program
TÜBİTAK: 1001, 1002, 3001, 1007, TEYDEB, BİDEB
National and International Various University Research programs
New Zealand Ministry of Business, Innovation and Employment
KOSGEB Project Evaluation Commission (2012-2016)
İTÜ Ariteknokent Evaluation Committee (2012-2016)
İstanbul University Teknokent Evaluation Reviewer (2014-2016)

c) PhD Examiner

Luleå University of Technology (Dr. Hamid Hossein, 2008)
The University of Queensland (Dr. Xiaoyu Wang (2013); Dr. Ngoc Dinh (2015); Dr. Dong-xia Feng, 2016)
Bahauddin Zakariya University, Multan, Pakistan (Dr. Muhammad Qasim, 2018)

VI. Administrative Activities

a) Committees Joined (KFUPM)

- Computer Aided Education and Design Committee
- Mining Engineering Program Development Committee
- Laboratory Development Committee
- Research and Publication Committee

b) Committees Joined (İ.T.Ü.)

- State planning Organisation (DPT) Metal Committee
- Publication Committee
- Chamber of Istanbul Industry Air Pollution Committee
- Istanbul Greater Municipality Coal Inspection and Quality Control Committee
- Promotion and Publication Committee (TAK)
- Project Evaluation Committee

- Strategy Development Committee
- Scientific Research Commission Member (2008-2012)
- Scientific Research Commission Member, Chair; (2012-2016)
- Rektorate Bidding Committee

8. *Projects in which Acted as Manager or Investigator*

1. Surfactant and Polymer Adsorption from Flooding Solutions, US Department of Energy, Columbia University, 1978-1982, 500,000 USD, **Investigator**.
2. Surfactant/Polymer Flooding of Saudi Limestone Reservoirs, King Abdulaziz City for Science and Technology, KFUPM, 1985-1988 (300,000 USD), **Arařtırıcı**.
3. Desulfurization of Coal by Flotation, US Department of Energy, VPISU (1988-1989, 100,000 USD, **Investigator**.
4. Upgrading of Eastern Region Iron treated in Erdemir Iron Steel Factories, Erdemir/İTÜ, 1990-1991, **Investigator**.
5. Optimization of Bandırma Boric Acid Plant Grindig Conditions and Dewatering of Vacuum Filter Cake, Etibank/İTÜ, 1991, **Investigator**.
6. Enrichment of Akdağ Maden Fluorites by Flotation, Matas/İTÜ, **Manager**, 1992.
7. Recovery of Kırka Borax tailings by Flotation, İTÜ BAP Project, **Manager**, 1992- 1993.
8. Soltions to the Problems of the Size Reduction and Sizing Plant of Kırka Boron Plant, Etibank/İTÜ, 1993, **Investigator**.
9. Performance Study of Küre Copper Concentrator, Etibank/İTÜ, 1993-1994, **Investigator**.
10. Recovery of Heavy Metals from Turkish Mine Deposits, DPT Project, 1991-1994, **Investigator**.
11. Çelik, M.S.,” Development of Products for Use in Environmental Technologies”, DPT-107, 1.1.1996-31.12.2003, Budget: 270,000 TL, **Manager**.
12. Çelik, M.S., “Utilization of Sepiolite in the Purrification of Industrial Wastes”, 18.5.1998- 18.7.2000, İTÜ BAP Project-995, **Manager**.
13. Çelik, M.S., Miller, J.D., Improved processing technology for the recovery of boron minerals from saturated solutions, National Science Foundation/ İTÜ/University of Utah Joint Project, 31.1.1996-31.1.2000, Budget:60,000 USD, **Manager**.
14. Çelik, M.S., Slime Coating Mechanism in the Flotation of Boron Minerals, TÜBİTAK YDABÇAG-122 Project, 1.9.1995-31.1. 1997, Budget: 20,000 TL, **Manager**.
15. Çelik, M.S., Miller, J.D., Flotation Technology for the Trona Industry, National Science Foundation/TÜBİTAK/İTÜ/UU Joint Project, 15.10.2001-15.10.2003, Budget:35,000 USD, **Manager**.
16. Çelik, M.S., Recovery of K-Feldspar (Glass and Ceramics Raw Material) from Feldspar Resources by Flotation, DPT Project, 1.1.2002-31.12-2004, Budget: 50,000 TL, **Manager**.
17. Production of Potassium Sulfate and Aluminium Sulfate from Alunite by Roasting Free Process, MAM/Tübitak TEYDEB Project No. 5035525, 2004, **Consultant**.
18. Production of Water-Based Sepiolite, İTÜ BAP Project, 2004-2006, **Manager**.
19. Production of High Viscosity Sepiyolit Containing Material, Tübitak Project- 104M179, 15.04. 2005-15.12.2006, **Manager**.
20. Use of Fluidized Bed Bioreactors in the Treatment of Leachate in Solid Waste Storage Areas, Tübitak 1001 Project-101H008, 01.09.2001-01.09.2004, **Investigator**.
21. Production of Foundry and Drilling Bentonites from Çankırı Region Bentonites, Ceylan Bentonit Company, İTÜ Mining Faculty Foundation Project, 01.06.2005- 01.06.2006, **Manager**.
22. Removal of Ammonium Ions from Drinking Waters through DAF Flotation Technique, TÜBİTAK 1001 Project-105Y082, 48,300 TL, 01.10.2005-01.10.2007, **Investigator**.

23. Preliminary Evaluation of Upgrading Soma-Eynes, Konya-Ilgın ve Erzurum-Oltu Region Coals Yöresi Kömürlerinin Ön Teknolojik Araştırma Projesi”, Ereğli Iron and Steel Factory T.A.Ş., 2005, **Manager**.
24. Removal and Regeneration of Textile Reactive Dyes from Waste Waters through Fixed and Fluidized Bed Reactors, 15.06.2006-15.06.2008, 82,980 TL, **Investigator**.
25. Development of Technological Products from Turkish Bentonites, TÜBİTAK KAMAG Project, MAM/MTA/İTÜ Joint Project, 01.10.2006-10.06.2010, İTÜ budget share 705,501 TL (Total Project Budget: 3.5 Million TL), **Manager**.
26. Study of Moisture Kinetics of Turkish Sepiolites and Production of Desiccant Sepiolite, Tübitak 1001 Project-107M263, 01.11.2007-31.10.2009, 116,333 TL, **Consultant**.
27. Production of Water and Solvent Bentonite as Viscosity Additive used in paint Applications, İTÜ BAP Project, 01.09.2008-28.02.2010, 24,600 TL, **Manager**.
28. Production of Sepiolite added Nanocomposite and Control of its Processes by MD Supported Simulation Measurements, Tübitak 1001 Project-108M244, 01.03.2009-31.08.2010 (**18 months**), 208,000 TL, **Consultant**.
29. Enrichment of Şaphane Alunite Ore by Flotation, Dostel Alüminyum Sülfat Sanayi A.Ş, İTÜ Mining Faculty Foundation Project, 2009-2011, 87,320 TL, **Manager**.
30. Dry Processing of Turkish Coals, TÜBİTAK KAMAG Project, İTÜ/Turkish Coal Enterprise (TKİ) Joint Project, 2010-2013 (**30 Months**), 1,156,604 TL, **Manager**.
31. Production and Characterization of Water Based Road Marking Paint for use in Istanbul, İTÜ-Istanbul Municipality (İBB) Joint Project, 01.04.2011-31.12.2012, 20,000 TL, **Manager**.
32. Production of %18 Aluminium Oxide (Al₂O₃) Containing Aluminium Sulfate, 1501 R&D Industrial Project (3100599), TÜBİTAK-TEYDEB Project, MAKİTEG, Dostel Alüminyum Sülfat Sanayii A.Ş., 01.01.2011-31.10.2012, DOSTEL Budget: 610.000 TL, **Consultant**.
33. Utilization of Precipitated Calcium Carbonate (PCC) and Replacement of Titanium Dioxide with Calcite and Calcined Kaolin in Typical Water Based Paint Recipes, Adaçal Industrial Minerals Sanayi ve Ticaret A.Ş, 12.09.2011-12.02.2012, 11800 TL, **Manager**.
34. Development of Rheological Additives (**00832STZ.2011-1**), İTÜ/Kalekim Joint Project project, San-Tez, (**24 Months**), 01.09.2011-01.09.2013, 812.273 TL, **Manager**.
35. Utilization of Boron as Additive and Filler in Exterior Paints, (**BOREN-2011-Ç0282**), Boren project (**24 Months**), 01.10.2011-30.09.2013, 240.000 TL, **Manager**.
36. Production of Pure B₄C, TiB₂, ZrB₂, SiC and in-situ B₄C/TiB₂, B₄C/ZrB₂ and B₄C/SiC Composite Nano/Micro Size Particulate by Inductively Plasma Supported Pyrolysis, (**BOREN-2013-Ç0382**), Boren project (**24 ay**), 2013-2015, 220.000 TL, **Consultant**.
37. Removal of Arsenic from Emet Colemanite Ore by Heat Treatment and production of Calcined Powder Colemanite, (**BOREN-2014-Ç0426**), Boren project (**18 Months**), 20.03.2014-20.08.2015, 342.600 TL (Including Scholarship), **Manager**.
38. Production of PLGA-MMT Nanocomposites for the Targeted Cancer Therapy and their Molecular Dynamics Simulation, TÜBİTAK 3001 Project, 115S801, **12 ay**, 04.08.2015-03.08.2016, 89.550 TL, **Consultant**.
39. Effect of Particle Morphology on Flotation, TUBİTAK-1001, 214M433, 18 ay, 15.04.2015-15.10.2016, 168.000 TL, **Consultant**.
40. Effect of Flotation Recoveries on Critical Coagulation Concentration, TÜBİTAK 1001 Project-117M659, **24 Months**, 01.11.2017-01.11.2019, 436.057 TL, **Manager**.
41. Innovative technologies and concepts for fine particle flotation: unlocking future fine-grained mineral and Critical Raw Materials resources for the EU, Horizon 2020 ‘FineFuture’ (No. 821265), **36 months**, 01.06.2019-01.06.2022, 253.750 Euro, **Manager (ITU Partner)**.

9. Awards and Scholarships

2021	Recipient of TÜBİTAK Science Award
2005	TÜBİTAK/MAM achievement Award
2002	NATO-B2 Scholarship
1995	NATO-B2 Scholarship
1994	TÜBİTAK Junior Researcher Award
1987-1988	KFUPM Long Service Award.
1986-1987	Recipient of the Best Researcher award in the College of Engineering of KFUPM.
1985-1986	Recipient of the Best Researcher award in the College of Engineering of KFUPM.
1984-1985	Nominated for the Best Researcher Award in KFUPM.
1981-1982	Campbell Fellowship awarded by Henry Krumb School of Mines, Columbia University.
1979-1981	Research assistantship awarded by Henry Krumb School of Mines, Columbia University.
1975-1979	Winner of nationwide Turkish Department of Education scholarship to study M.S. and Ph.D. abroad.
1971-1974	Merit scholarship to study B. S., awarded by Etibank, the largest state owned mining and metallurgical company of Turkey.
1964-1970	Recipient of several merit awards.

PROFESSIONAL AFFILIATIONS

- * Member of the Society of Mining Engineers of AIME.
- * Associate Member of the Society of Petroleum Engineers of AIME.

11. Citation Profile

01.05.2023 (google scholars refined)

<http://scholar.google.com/citations?user=Ald9utoAAAAJ&hl=en>

Citation indices

Citations	9031
h-index	50
i10-index	145

12. Publications

I. Refereed Publications in Cited Journals

1. Çelik, M. S. and Somasundaran P., "Effect of pretreatments on Flotation and Electrokinetic Properties of Coal", Colloids and Surfaces, 1, 121-124(1980).
2. Austin L. G., Bagga, P., and Çelik, M. S., "Breakage Properties of Some Materials in Laboratory Ball Mills", Powder Technology, 28, 235-243(1981).
3. Çelik, M. S., Goyal, A., Manev, E. D., and Somasundaran, P., "The Role of Surfactant Precipitation and Redissolution in the Adsorption of Sulfonates on Minerals", Soc. Pet. Eng. J., 233-239(April 1984).
4. Somasundaran, P. Ananthapadmanabhan, K., Çelik, M. S., and Manev, E. D., "A Thermodynamic Model of Redissolution of Calcium Sulfonate Precipitates in NaCl Solutions", Soc. Pet. Eng. J., 667-676(Dec. 1984).
5. Çelik, M. S. and Somasundaran, P., "Chemical Interactions in Surfactant/Polymer Flooding Systems", Arabian J. for Science and Engineering, 11, 51-61(1986).

6. Çelik, M. S., "Temperature Dependence of Precipitate Redissolution by Micelles: A Calcium Adsorption Model", *Thermochimica Acta*, 99, 1-9(1986).
7. Çelik, M. S. and Somasundaran, P., "The Effect of Multivalent Ions on the Flotation of Coal", *Separation Science and Technology*, 21, 393-402(1986).
8. Çelik, M. S., and Somasundaran, P. "Molecular Mechanism of Calcium Sulfonate Redissolution By Micelles", *J. Chemical and Biochemical Technology*, 40, 151-166(1987).
9. Çelik, M. S., "Acceleration of Breakage Rates of Anthracite During Grinding in a Ball Mill", *Powder Technology*, 54, 227-233(1988).
10. Çelik, M. S., "Comparison of Dry and Wet Grinding of Coals in a Ball Mill", *Powder Technology*, 55, 1-9(1988).
11. Çelik, M. S. and Somasundaran P., "Effect of Chain Length on Dissolution of Calcium Sulfonate Precipitates", *J. Colloid and Interface Sci.*, 122, 163-170(1988).
12. Çelik, M. S. and Fuseni, A. B., "Existence of the Secondary Optimal Salinity", *J. Colloid and Interface Sci.*, 123, 312-315(1988).
13. Somasundaran, P., Ananthapadmanabhan, K. P. and Çelik, M. S., "Precipitation-Redissolution Phenomena in Sulfonate- AlCl_3 System", *Langmuir*, 4, 1061-1063(1988).
14. Al-Hashim, H. S., Çelik, M. S., Oskay, M. M., and Al-Yousef, H. Y., "Adsorption and Precipitation Behavior of Petroleum Sulfonates from Saudi Arabian Limestone," *Petroleum Science and Engineering*, 1, 335-344(1988).
15. Çelik, M. S., Shakeel, A., Al-Yousef, H. Y., and Al-Hashim, H. S., "Adsorption of Ethoxylated Sulfonates on Limestone," *Adsorption Science and Technology*, 5, 29-45(1988).
16. Çelik, M. S., "Adsorption of Ethoxylated Sulfonate and Nonionic Homologs on Coal", *J. Colloid and Interface Sci.*, 129, 428-440(1989).
17. Çelik, M. S., "Effect of Ultrasonic Treatment on the Flotation of Coal and Galena", *Separation Sci. and Technology*, 24, 1159-1166(1989).
18. Çelik, M. S., "Beneficiation Studies on Zarghat Magnesite Ore", *Arabian J. For Sci. and Engineering*, 15, 213-218 (1990).
19. Çelik, M.S., Ahmad, S. and Al-Hashim, H.S., "Adsorption/Desorption of Polymers From Saudi Arabian Limestone", *J. Petroleum Science and Engineering*, 6, 213-223(1991).
20. Çelik, M.S. and Yoon, R. H., "Adsorption of Poly-oxyethylene Nonylphenol Homologues on a Low-Ash Coal", *Langmuir*, 7, 1770-1774(1991).
21. Hancer, M. and Çelik, M.S., "Flotation Mechanisms of Boron Minerals", *Separation Science and Technology*, 28, 1703-1714(1993).
22. Çelik, M.S., Atak, S., and Onal, G., "Flotation of Boron Minerals", *Minerals and Metallurgical Processing*, 10, 149-153(1993).
23. Emrullahoglu, O.F., Kara, M., Tolun, R. and Çelik, M.S., "Beneficiation of Calcined Colemanite Tailings", *Powder Technology*, 77, 215-216(1993).
24. Atesok, G., Yildirim, I. and Çelik, M.S., "Applicability of the Reichert Spiral for Cleaning Bituminous and Lignitic Coals: A Pilot Scale Study", *International J. Mineral Processing*, 40, 33-44(1993).
25. Çelik, M.S., Uzunoglu, A., and Arslan, F., "Decrepitation Properties of Some Boron Minerals", *Powder Technology*, 79, 167-172(1994).
26. Çelik, M.S., and Hancer, M., "Reply to Discussion on Flotation of Boron Minerals", *Minerals and Metallurgical Processing*, 11, 123-124(1994).
27. Yildirim, I., Atesok, G., Onal, G. and Çelik, M.S., "Cleaning of Coals in a Stripa Heavy Medium Separator": Effect of Particle Size, *Coal Preparation*, 15, 195-206(1995).
28. Çelik, M.S., "A Method to Isolate Precipitation from Adsorption in Surfactant/Solid Systems", *Adsorption Science and Technology*, 12, 19-25(1995).
29. Çelik, M.S. and Yasar, E., "Electrokinetic Properties of Some Hydrated Boron Minerals" *J. Colloid and Interface Science*, 173, 181-185(1995).
30. Çelik, M.S. and Suner, F. "A Thermodynamic Analysis of Decrepitation of Boron Minerals" *Thermochimica Acta*, 245, 176-174(1995).
31. Çelik, M.S. and Yasar, E., "Effect of Temperature on Electrostatic Separation of Boron Minerals", *Minerals Engineering*, 8, 829-833(1995).
32. Çelik, M.S. and Seyhan K., "Effect of Heat Treatment on the Flotation of Turkish Lignites," *Coal Preparation*, 16, 65-79(1995).

33. Çelik, M.S. and Bulut, R., "Mechanism of Selective Flotation of Sodium-Calcium Borates with Anionic and Cationic Collectors" *Separation Science and Technology*, 31, 1817-1829(1996).
34. Çelik, M.S., Yasar, E. and El-Shall, H., "Flotation of Heterocoagulated Particulates in Ulexite/SDS/Electrolyte System", *J. Colloid and Interface Science*, 203, 254-259(1998).
35. Batar, T., Kahraman, B., Cirit, E., Çelik, M.S., "Dry Processing of Borax by Calcination as an Alternative to Wet Methods", *International J. of Mineral Processing*, 54, 99-110(1998).
36. Çelik, M.S., Batar, T., Akin, Y., Arslan, F., "Upgrading Schemes for Boron Minerals through Calcination", *Minerals and Metallurgical Processing J.*, 15, 53-56(1998).
37. Çelik, M.S. Can, İ., Eren, R.H., "Removal of Titanium Impurities from Feldspar Ores by New Flotation Collectors, *Minerals Engineering*, 11, 1209-1218(1998).
38. Ateşok G., Perek K.T., Dinçer H., Çelik M.S., 'Reduction of Ash and Sulfur Contents of Low-Rank Turkish Semicoked Lignite by High Intensity Dry Magnetic Separation' *Coal Preparation* 20,179-190(1999).
39. Arslan F., Arslan C., Çelik M.S., 'Arsenic Removal through the Decrepitation of Colemanite Ores' *Powder Technology*, 103, 260-264(1999).
40. Güney A., Önal G., Çelik M.S., 'A new Flowsheet for Processing Chromite Fines by Column and the Collector Adsorption Mechanism', *Minerals Engineering*, 12, 1041-1049(1999).
41. Atesok, G., Çelik, M.S., 'A New Flotation Scheme for a Difficult-to-float Coal using Pitch Additive in Dry Grinding', *Fuel*, 79, 1509-1513(2000).
42. Çelik, M.S., Yildirim, I., A New Physical Process for Desulfurization of Low-Rank Coals, *Fuel*, 79, 1665-1669(2000).
43. Çelik, M.S., Özdemir, B., Turan, M., Koyuncu, İ., Ateşok, G., 'Removal of Ammonia by natural Clay Minerals using Fixed and Fluidised Bed Column Reactors', *Water Science and Technology: Water Supply* 1, 81-88(2001).
44. Koyuncu, I, Topacik, D., Turan, M., Çelik, M.S., Sarikaya, H.Z., 'Application of the Membrane Technology to Control Ammonia in Surface Water', *Water Science and Technology: Water Supply* 1, 117-124(2001).
45. Hançer, M., Çelik, M.S., Miller, J.D., The significance of Interfacial Water Structure in Soluble Salt Flotation Systems, *J. Colloid and Interface Sci.*, 235, 150-161(2001).
46. Çelik, M.S., Pehlivanoğlu, B., Aslanbaş, A., Asmatülü, R., 'Flotation of Colored Impurities from Feldspar Ores', *Minerals and Metallurgical Processing J.*, 18, 101-105 (2001).
47. Ateşok G., Boylu, F., Çelik M.S., 'Carrier Flotation for Desulfurization and Deashing of Difficult-to-float Coals', *Minerals Engineering*, 14, 661-670 (2001).
48. Demir, C, Abramov, A.A. and Çelik, M.S., 'Flotation Separation of Na-Feldspar From K-Feldspar by Monovalent Salts' *Minerals Engineering*, 14, 733-740 (2001).
49. Özdemir, O., Çelik, M.S., Characterization and Recovery of Lignitic Flyash By-Products from the Tunçbilek Power Station, *Canadian Metallurgical Quarterly*, 41, 143-150 (2002).
50. Sabah, E. and Çelik, M.S., 'Adsorption Mechanism of Quaternary Amines by Sepiolite' *Separation Science and Technology*, 37, 3081-3097 (2002).
51. Sabah, E., Turan, M., Çelik, M.S., Adsorption mechanism of cationic surfactants onto acid and heat activated sepiolites, *Water Research*, 36, 3957-3964, 2002.
52. Sabah, E., Çelik, M.S., Interaction of Pyridine Derivatives with Sepiolite, *J. Colloid Interface Sci.*, 251, 33-38 (2002).
53. Ersoy, B., Çelik, M.S., Electrokinetic Properties of Clinoptilolite, Microporous and Meso Porous materials, 55, 305-312(2002).
54. Turan, M. Çelik, M.S. Regenerability of Turkish Clinoptilolite for use in Ammonia Removal from Drinking Water, *J. of Water Supply: Research and Technology-AQUA*, , 52, 59-66 (2002).
55. Celik, M.S., Hancer, M., Miller, J.D., Flotation Chemistry of Boron Minerals, *J. Colloid Interface Sci.*, 256, 121-131 (2002).
56. Çelik, M.S., Dry Cleaning of Low-Rank Coals by Low Temperature Carbonization and Magnetic Separation, *Coal Preparation*, 22, 311-322 (2002).
57. Kara, M., Yuzer, H., Sabah, E., Çelik, M.S., Adsorption of cobalt from aqueous solution onto sepiolite, *Water Research*, 37, 224-232 (2003).

58. Turan, M. Çelik, M.S. Regenerability of Turkish Clinoptilolite for use in Ammonia Removal from Drinking Water, *J. of Water Supply: Research and Technology-AQUA*, 52, 59-66 (2003).
59. Ersoy, B., Çelik, M.S., Effect of hydrocarbon chainlength on adsorption of cationic surfactants onto clinoptilolite, *Clays and Clay Minerals*, 51, 173-181 (2003).
60. Özcan, Ö., Çelik, M.S., Zhorro, N, Miller, J.D., Effect of thermal stability on the flotation response of sodium carbonate salts, *Minerals Engineering*, 16, 353-358 (2003).
61. Demir, C., Bentli, I., Gülgönül, İ., Çelik, M.S., Effects of Bivalent Salts on the Flotation Separation of Na-Feldspar From K-Feldspar, *Minerals Engineering*, 16, 551-554 (2003).
62. Armağan, B., Özdemir, O., Turan, M., Çelik, M.S., Adsorption of Negatively-Charged Azo Dyes onto Surfactant-Modified Sepiolite, *J. Environmental engineering-ASCE*, 129, 709-715 (2003).
63. Turan, M., Sabah, E., Gulsen, H., Çelik, M.S., Influence of Media Characteristics on Energy Dissipation in Filter Backwashing *ACS Environmental Science and Technology*, 37, 4288-4292 (2003).
64. Armağan, B., Özdemir, O., Turan, M., Çelik, M.S. Clay Mineral Batch Process for Color Removal of Textile Wastewaters" *Journal of Environmental Science and Health A*, 38, 2251-2258(2003).
65. Armağan, B., Özdemir, O., Turan, M., Çelik, M.S., The removal of reactive azo dyes by natural and modified sepiolites, *J Chemical Biochemical Technology*, 78, 725-732 (2003).
66. Demir, C., Gülgönül, İ., Çelik, M.S., Differential separation of albite from microcline by monovalent salts in HF medium, *Minerals and Metallurgical Processing*, 20, 120-124 (2003).
67. Özdemir, O., Armağan, B., Turan, M., Çelik, M.S., Comparison of the Adsorption Characteristics of azo-reactive dyes on mesoporous minerals, *Dyes and Pigments*, 62, 49-60 (2004).
68. Armağan, B., Turan, M., Özdemir, O., Çelik, M.S. Color Removal of Reactive Dyes from water by Clinoptilolite" *Journal of Environmental Science and Health A*, 39, 1251-1261(2004).
69. Armağan, B., Turan, M, Çelik, M.S., Equilibrium studies on the adsorption of reactive azo dyes into zeolite, *Desalination*, 170, 33-39 (2004).
70. Ersoy, B., Çelik, M.S., Uptake of Aniline and Nitrobenzene From Aqueous Solution by Organo-Zeolite, *Environmental Technology*, 25, 341-348 (2004).
71. Kavas, T., Sabah, E., Çelik, M.S., Structural Properties of Sepiolite-Reinforced Cement Composite, *Cement and Concrete Research*, 34, 2135-2139 (2004).
72. Demir, C. Karagüzel, C., Gülgönül I. and M.S. Çelik, Selective Separation of Sodium and Potassium Feldspar Minerals From Orebodies, *Key Engineering materials*, 264-268, 1435-1438(2004).
73. Sabah, E., Yüzer, H. and Çelik, M.S., Characterization and Dewatering of Fine Coal Tailings by Dual-Flocculant systems, *International J. Mineral Processing*, 74, 303-315 (2004).
74. Turan M, Armağan B, Özdemir O, Çelik, M.S. J. Mesoporous mineral columns for color removal from aqueous solutions, *Environmental Sci. and Health Part A-Toxic/Hazardous Substances & Environmental Eng.* 39, 2221-2228 (2004).
75. Benkli, Y. E., Can, M. F., Turan, M., Çelik, M. S., "Modification of organo-zeolite surface for the removal of reactive azo dyes in fixed-bed reactors", *Water Research* 39 (2-3): 487-493(2005).
76. Turan, M., Gülşen, H., Çelik, M. S., "Treatment of landfill leachate by a combined anaerobic fluidized bed and zeolite column system", *Journal of Environmental Engineering-ASCE* 131 (5): 815-819 (2005).
77. Karagüzel, C., Can, M. F., Sönmez, E., Çelik, M. S., "Effect of electrolyte on surface free energy components of feldspar minerals using thin-layer wicking method ", *Journal of Colloid And Interface Science* 285, 192-200 (2005).
78. Turan, M., Mart, U., Yüksel, B., Çelik, M.S., Lead removal, in fixed-bed columns by zeolite and sepiolite, *Chemosphere*, 60, 1487-1492(2005).

79. Sabah, E., Çelik, M.S., Sepiolite: An Effective Bleaching Adsorbent for the Physical Refining of Degummed Rapeseed Oil, *J. American Oil Chemical Society (JAOCS)*, 82, 911-916 (2005).
80. Karagüzel C, Gülgonul İ, Demir C, Çınar, M., Çelik, M.S., Concentration of K-feldspar from a pegmatitic feldspar ore by flotation, *International J Mineral Processing*, 81, 122-132 (2006).
81. Uyanık N, Erdem A.R., Can M.F., Çelik, M.S., Epoxy nanocomposites curing by microwaves *Polymer Eng. Sci.*, 46 (8): 1104-1110 (2006).
82. Sabah E, Çınar M, Çelik M.S., Decolorization of vegetable oils: Adsorption mechanism of beta-carotene on acid-activated sepiolite, *Food Chemistry*, 100, 1661-1668(2007).
83. Sabah E, Mart, U., Çınar M, Çelik M.S., Zeta potentials of sepiolite suspensions in concentrated monovalent electrolytes, *Separation Science and Technology*, 42 (10), 2275-2288(2007).
84. Özdemir, O., Çelik, M.S., Nickolov, Z.S., Miller, J.D., Water structure and its influence on the flotation of carbonate and bicarbonate salts, *J. Colloid Interface Sci.*, 314 (2), 545-551 (2007).
85. Burat, F., Kökkılıç, O., Kangal, O., Gürkan, V., Çelik, M.S., Quartz-feldspar separation for the glass and ceramics industries, *Minerals & Metallurgical Processing*, 24 (2), 75-80 May (2007).
86. Özdemir, O., Çınar, M., Sabah, E., Arslan, F., Çelik, M.S., Adsorption of anionic surfactants onto sepiolite, *J. Hazardous Materials*, 147, 625-632 (2007).
87. Yüzer, H., Kara, M., Sabah, E., Çelik, M.S., Contribution of cobalt ion precipitation to adsorption in ion exchange dominant systems, *J. Hazardous Materials*, 151, 33-37 (2008).
88. Gulgonul I, Karaguzel C, Çelik, M.S., Surface vs. bulk analyses of various feldspars and their significance to flotation, *International J. Mineral Processing*, 86 (1-4) 68-74 (2008).
89. Çınar, M., Sabah, E., Çelik, M.S., Rheological properties of sepiolite ground in acid and alkaline media, *Applied Clay Sci.*, 42(3-4), 422-426 (2009).
90. Ozdemir, O., Karaguzel, C., Nguyen, A.V., Çelik, M.S., Miller, J.D., Contact angle and bubble attachment studies in the flotation of trona and other soluble carbonate salts, *Minerals Engineering*, 22(2), 168-175(2009).
91. Bulut, G., Chimeddorj, M., Esenli, F., Çelik, M.S., Production of desiccants from Turkish bentonites, *Applied Clay Sci.*, 46(2), 141-147(2009).
92. Can, M.F., Çınar, M., Benli, B., Özdemir, O., Çelik, M.S., Determining the fiber size of nano structured sepiolite using Atomic Force Microscopy (AFM), *Applied Clay Science*, 47, 217-222(2010).
93. Kurama, H., Karagüzel, C., Mergan, T., Çelik, M.S., Ammonium removal from aqueous solutions by dissolved air flotation, *Desalination*, 253, 147-152 (2010).
94. Çetinel, T., Karagüzel. C., Boylu, F., Çelik, M.S., Activation of (Na, Ca)-bentonites with soda and MgO and their utilization as drilling mud, *Applied Clay Sci.*, 48(3), 398-404 (2010)
95. Boylu, F., Cinku, K., Esenli, F., Celik, M.S., The separation efficiency of Na-bentonite by hydrocyclone and characterization of hydrocyclone products, *Int. J. Mineral Processing*, 94(3-4), 196-202(2010).
96. Erkan, İ., Alp, İ., Çelik, M.S., Characterization of organo-bentonites obtained from different linear-chain quaternary alkylammonium salts, *Clays and Clay Minerals*, 58 (6), 792-802 (2010).
97. Sevim, A.M., Hojiyev, R., Gül, A., Çelik, M.S., An investigation of the kinetics and thermodynamics of the adsorption of a cationic cobalt porphyrine onto sepiolite, *Dyes and Pigments*, 88, 25-38 (2011).
98. Benli B, Nalaskowski J, Assemi S, Celik MS, Miller JD, Evaluation of Adhesion Forces in Alginate-Filler System Using an AFM Colloidal Probe Technique, *Adhesion Sci. Tech.*, 25(11) 1159-1173 (2011).
99. Özdemir, O., Hao Du, Karakashev, S.I., Nguyen, A.V., Çelik, M.S., Miller, J.D., Understanding the role of ion interactions in soluble salt flotation with alkylammonium and alkylsulfate collectors, *Advances in Colloid and Interface Science*, 163, 1-22 (2011).

100. Özdemir, O. Gupta, V. Miller, J.D., Cınar, M., Çelik, M.S., Production of trona concentrates using high-intensity dry magnetic separation followed by flotation, *Minerals & Metallurgical Proc.*, 28 (2), 55-61 (2011).
101. Çınar, M., Ersever, G., Şahbaz, O., Çelik, M.S. Çelik, Sepiolite/calcium interactions in desiccant clay production, *Applied Clay Science* 53(3), 386-394 (2011).
102. Karakaş, F. Pyrgiotakis, G. Çelik, M.S. Moudgil, B.M., Na-Bentonite and MgO Mixture as a Thickening Agent for Water-Based Paints, *KONA Powder and Particle Journal*, 29, 96-104 (2011).
103. Sevim, A.M., Hojiyev, R., Gül, A., Çelik, M.S., Preparation of novel heterogeneous catalysts by adsorption of a cationic tetrapyrrole on to bentonite: equilibrium, kinetics, and thermodynamics, *Monatsh Chem (Monatshefte für Chemie)*, 143, 385-400 (2012).
104. Gülgönül, İ, Karagüzel, Cınar, M. Çelik, M.S., Interaction of sodium ions with feldspar surfaces and its effect on the selective separation of Na- and K-feldspars, *Mineral Processing & Extractive Metall. Rev.*, 33, 233–245 (2012).
105. Karakaş, F., Çelik, M.S., Effect of quantity and size distribution of calcite filler on the quality of water borne paints, *Progress in Organic Coatings* 74, 555–563 (2012).
106. Boylu, F., Hojiyev, R. Ersever, G., Ulcay, Y. Çelik, M.S., Production of Ultrapure Bentonite Clays through Centrifugation Techniques, *Separation Science and Technology*, 47:6, 842-849 (2012).
107. Can, M. F., Güvendik, S., Benli, B., Trabzon, L., Kızıl, H., Çelik, M.S., Predicting the extent of hydrophilicity on Si nano-column surfaces, *Materialwissenschaft und Werkstofftechnik, Special Issue* 43:5, 366-372 (2012).
108. Benli, B, Du, H., Çelik, M.S., The anisotropic characteristics of natural fiber sepiolite as revealed by contact angle, surface free energy, AFM and molecular dynamics simulation”, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 408, 22–31 (2012).
109. Karakaş, F., Çelik, M.S., Mechanism of TiO₂ stabilization by low molecular weight NaPAA in reference to water-borne paint suspensions, *Colloids and Surfaces A: Physicochem. Eng. Aspects* 434, 185-193 (2013).
110. Ghorbani, F., Younesi H., Mehraban, Z., Çelik, M.S. Ghoreyshi, A.S., Anbia, M., Preparation and characterization of highly pure silica from sedge as agricultural waste and its utilization in the synthesis of mesoporous silica MCM-41, *J. Taiwan Inst. Chem. Eng.*, 44, 821–828 (2013).
111. Karataş, D., Tekin, A., Çelik, M.S., Adsorption of quaternary amine surfactants and their penetration into the intracrystalline cavities of sepiolite, *New J. Chemistry*, 37 (12), 3936-3948 (2013).
112. Du, H., Ozdemir, O., Wang, X., Cheng, F., Celik, M.S., and Miller, J.D., Flotation Chemistry of Soluble Salt Minerals: From Ion Hydration to Colloid Adsorption, *Minerals & Metallurgical Processing J.*, 31(1), 1-20 (2014).
113. Yeşilyurt, Z., Boylu, F., Çinku, K., Esenli, F., Çelik, M.S., Simultaneous purification and modification process for organobentonite production, *Applied Clay Sci.*, 95, 176–181 (2014).
114. Boylu, F., Talı, A., Çetinel, T., Çelik, M.S. Effect of fluidizing characteristics on upgrading of lignitic coals in gravity based air jig, *International J. Mineral Processing* 129, 27–35 (2014).
115. Güven, O. Karakaş, F., Kaya, M.A., Yıldırım, H. Çelik, M.S. Composite Films Based on Styrene-Co-Butyl-Acrylate With Colemanite and Calcium Bentonite Mineral Fillers, *Mechanics of Composite Materials*, 50(3), 335-342 (2014).

116. Hassas B.V., Karakaş, F. Çelik, M.S., Ultrafine coal dewatering: Relationship between hydrophilic lipophilic balance (HLB) of surfactants and coal rank, *International J. Mineral Processing*, 133, 97-104 (2014).
117. Karakas, F., Hassas, B.V., Çelik, M.S., Effect of precipitated calcium carbonate additions on waterborne paints at different pigment volume concentrations, *Progress in Organic Coatings*, 83, 64-70 (2015).
118. Boylu, F., Çinku, K., Çetinel, T., Karakaş, F., Güven, O., Karaağaçlıoğlu, İ.E., Çelik, M.S., Effect of Coal Moisture on the Treatment of a Lignitic Coal through a Semi-Pilot-Scale Pneumatic Stratification Jig, *Int. J. Coal Prep. Utilization*, 35 (3), 143-154 (2015).
119. Boylu, F., Çetinel, T., Güven, O., Karakaş, F., Çinku, K., Karaağaçlıoğlu, İ.E., Çelik, M.S., Optimum separation route for semibituminous coal using semi-pilot scale pneumatic stratification jig, *Physicochem. Probl. Miner. Process.*, 51(2), 559–573(2015).
120. Güven, O., Özdemir, O., Karaağaçlıoğlu, İ.E., Çelik, M.S., Surface morphologies and floatability of sand-blasted quartz particles, *Min. Eng.*, 70, 1-7 (2015).
121. Guven, O., Çelik, M.S., Drelich, J.W., Flotation of methylated roughened glass particles and analysis of particle–bubble energy barrier, *Min. Eng.*, 79, 125-132(2015).
122. Hassas, B.V., Caliskan, H., Güven, O., Karakas, F., Cinar, M., Celik, M.S. Effect of roughness and shape factor on flotation characteristics of glass beads, *Colloids and Surfaces A: Physicochem. Eng. Aspects*, 492, 88–99 (2016).
123. Güven, O., Çelik, M.S., Interplay of Particle Shape and Surface Roughness to Reach Maximum Flotation Efficiencies Depending on Collector Concentration, *Mineral Processing Extractive metall. Rev.*, 37 (6), 412-417 (2016).
124. Güven, O., Karakas, F., Kodrazi, N., Çelik, M.S., Dependence of morphology on anionic flotation of alumina, *Int. J. Mineral Processing*, 156, 69-74 (2016).
125. Hassanzadeh, A. Kouachi, S. Hasanzadeh, M. Çelik, M.S., A new insight to the role of bubble properties on inertial effect in particle–bubble interaction, *J. Dispersion Sci. Tech.* 38(7), 953–960 (2017).
126. Hojiyev, R., Ulcay, Y., Hojamberdiev, M., Çelik, M.S., Carty, W.M., Hydrophobicity and polymer compatibility of POSS-modified Wyoming Na-montmorillonite for developing polymer-clay nanocomposites, *Journal of Colloid and Interface Science* 497, 393–401 (2017).
127. Hojiyev, R., Ulcay, Y., Çelik, M.S., Carty, W.M., Effect of CEC coverage of hexadecyltributylphosphonium modified montmorillonite on polymer compatibility, *Applied Clay Science* 141, 204–211 (2017).
128. Karataş, D., Tekin, A., Çelik, M.S., Density functional theory computation of organic compounds into sepiolite tunnels, *Clays and Clay Minerals*, Vol. 65, No. 1, 1–13, 2017.
129. Şans, B.E., Güven, O., Esenli, F., Çelik, M.S., Contribution of cations and layer charges in the smectite structure on zeta potential of Ca-bentonites, *Applied Clay Science* 143, 415–421 (2017).
130. Hojiyev, R., Ulcay, Y., Çelik, M.S., Development of a clay-polymer compatibility approach for nanocomposite applications *Applied Clay Sci.*, 146 (2017) 548-556.
131. Karatas, D. Tekin, A. Bahadori, F. Çelik, M.S., Interaction of curcumin in a drug delivery system including a composite with poly(lactic-co-glycolic acid) and montmorillonite: a density functional theory and molecular dynamics study, *J. Mater. Chem. B*, 5 (40), 8070-8082 (2017).
132. Kouachi, S., Hassas, B.V., Hassanzadeh, A., Çelik, M.S., Bouhenguel, M., Effect of negative inertial forces on bubble-particle collision via implementation of Schulze collision efficiency in general flotation rate constant equation, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 517, 72-83 (2017).
133. Çelik, M.S., Özdemir, O., Heterocoagulation of hydrophobized particulates by ionic surfactants, *Physicochemical problems of mineral Processing*, 54 (1), 124-130 (2018).
134. Hassanzadeh, A., Firouzi M., Albijanic, B., Çelik, M.S., A review on determination of particle–bubble encounter using analytical, experimental and numerical methods, *Min. Eng.*, 122, 296-311 (2018).

135. Karakaş, F. And Çelik, M.S., Stabilization mechanism of main paint pigments, *Progress in Organic Coatings* 123, 292–298 (2018).
136. Özdemir, O., Ersoy, Ö.F., Güven, O., Turgut, H., Çinar, M., Çelik, M.S., Improved flotation of heat treated lignite with saline solutions containing mono and multivalent ions, *Physicochem. Probl. Miner. Process.*, 54(4), 2018, 1070-1082.
137. Gülgönül, İ. and Çelik, M.S., Understanding the flotation separation of Na and K feldspars in the presence of KCl through ion exchange and ion adsorption, *Minerals Engineering* 128, 41-46 (2018).
- 138.

II. Refereed Publications Published in other Journals

1. Çelik, M. S. "Polymer/Surfactant Interactions in the Presence of Inorganic Electrolytes", *Coll. Sci. King Saud Univ.*, 17, 211-221(1986).
2. Özdemir O., Çelik, M.S., Surface Properties and Flotation Characteristics of Boron Minerals, *The Open Mineral Processing Journal*, 3, 2-13 (2010).
3. Ghorbania, F., Younesi, H., Mehrabanb, Z., Celik, M.S., Ghoreyshid, A.A., Anbiae, M., Aqueous Cadmium Ions Removal by Adsorption on APTMS Grafted Mesoporous Silica MCM-41 in Batch and Fixed Bed Column Processes, *International Journal of Engineering (IJE) Transactions B: Applications* 26(5) 473-488 (2013).
4. Güven, O., Karakaş, F., Yaşar, G., Çelik, M.S., "Morphological Character and Floatability of Blasted Talc Particles", *International Journal of Mining, Materials and Metallurgical Engineering*, 1, 1, 11-15(2015).

III. Publications in Books and Encyclopedia

1. Somasundaran, P., Çelik, M. S. and Goyal, A., "Precipitation and Redissolution of Sulfonates and Their Role in Adsorption on Minerals", in 'Surface Phenomena In Enhanced Oil Recovery', Ed., D. O. Shah, Plenum Co., 641-647(1981).
2. Çelik M. S., Manev, E. and Somasundaran, P., "Sulfonate Precipitation-Redissolution-Reprecipitation in Inorganic Electrolytes," *AIChE Symposium Series on Interfacial Phenomena In Enhanced Oil Recovery*, Vol. 212, No.78, 86-96(1982).
3. Çelik, M.S., Yildirim, I., Ozcan, O., Onal, G., and Dogan, M.Z., "Flotation of Fluorite Ores Using Oleoyl Sarcosine as Collector", in *Beneficiation of Phosphates: Theory and Practice*, Eds., H. El-Shall, B.M. Moudgil, R. Wiegel, SME Publication, Ch.2, 11-18(1993).
4. Çelik, M.S., Hancer, M., Atesok, G., and Emrullahoglu, O.F., "Activation Mechanisms of Multivalent Ions in the Flotation of Boron Minerals", in *Beneficiation of Phosphates: Theory and Practice*, Eds., H. El-Shall, B.M. Moudgil, R. Wiegel, SME Publication, Ch.6, 57-65(1993).
5. Abramov, A.A., Abramov, Al. Al., Onal, G., Atak, S., Çelik, M.S., "Mechanism of reverse Flotation of Calcerous Phosphate Ores", in *Beneficiation of Phosphates: Theory and Practice*, Eds., H. El-Shall, B.M. Moudgil, R. Wiegel, SME Publication, Ch. 29, 281-288(1993).
6. Onal, G., Çelik, M.S., and Honaker, R., "Coal Preparation", in *Coal: Resources, Properties, Utilization, Pollution*, Ed. Orhan Kural, Kurtis press, Ch. 17, 223-238(1994).
7. Çelik, M.S., Somasundaran, P., "Desulfurization of Coal", in *Coal: Resources, Properties, Utilization, Pollution*, Ed. Orhan Kural, Kurtis Press, Ch.20, 253-269(1994).
8. Onal, G. and Çelik, M.S., "Operation and Management of Mineral Processing Plants" in *Mineral Processing Handbook (in Turkish)*, Turkish Mining Development Foundation, 445-458(1994).
9. Asmatülü, R., Acarkan, N., Önal, G., Çelik M.S., "Desulfurization of Low-Rank Coals by Low-Temperature Carbonization," *European Coal Geology and Technology*, Geological Society Special Publication No. 125, Eds. R. Gayer, J. Pesek, p. 365-369, 1997.

10. Özdoğan, S., Polat, M., Çelik, M.S., “Kömürün Susuzlaştırılması ve Kurutulması”, Kömür: Özellikleri, Teknolojisi ve Çevre İlişkileri, Kural, O. ve Karaosmanoğlu, F. (Eds.), Bölüm 18, s. 297-314, Özgün Ofset, İstanbul, 1998.
11. Yaman, S., Çelik, M.S., Küçükbayrak, S., “Kömürün Kükürdünün Giderilmesi” Kömür: Özellikleri, Teknolojisi ve Çevre İlişkileri, Kural, O. ve Karaosmanoğlu, F. (Eds.), Bölüm 21, s. 337-351, Özgün
12. Çelik, M.S. and Ersoy, B., Electrokinetics of Mineral Nanoparticles, Encyclopedia of Nanoscience and Nanotechnology, Eds. J. A. Schwarz, C. Contescu, and K. Putyera, Marcel Dekker, p.1991-2005, 2004.
13. Çelik, M.S., Electrokinetic Behavior of Clay Surfaces, in Clay Surfaces: Fundamentals and Applications, F. Wypych, Interface Science and Technology Series (Series volume Editor, Ed. K.G. Satyanarayana), Academic Press, Ch. 2, 57-89 (2004).
14. Karaagaçlıoğlu I.E., Karakas F., Boylu, F., Çelik M.S., Development of cellulosic insulators with various mineral additives, in Separation technologies for minerals, coal, and earth resources, Young CA, Luttrell GH, editors, Eaglewood: Society for Mining Metallurgy & Exploration; p. 299-306 (2012).
15. Depci, T., Çelik, M.S., Dye adsorption on expanding three-layer clays, in Green chemistry for dyes removal from waste water, Ed., SS Sharma, Wiley Scrinever Pub., Ch. 9, 331-358 (2015).

III. Publications in National Journals

1. Çelik, M. S. and Oskay, M. M., " Chemical Loss mechanisms in Micellar/Polymer Flooding Systems" Petrol, 15-28, April 1988 (in Turkish).
2. Sabah, E., Mart, U., Çelik, M.S., The share of coal in Turkey' primary enery consumption between 1970 and 2000 (In Turkish), Madencilik, 41, 31-42 (2002).
3. Sabah, E., Çelik, M.S., Removal of pollutants from wastewater using sepiolite, Kibited, 1, 55-72 (2006).
4. Avcı, S.B., Boylu, F. Çinku, K., Çınar, M., Çelik, M.S. Hidrosiklon ile zenginleştirilmiş Çankırı Bentonitinden endüstriyel ürünlerin geliştirilmesi, KİBİTED, 1 (3), 219-226, 2008.
5. Bentli, İ., Yüzer, H., Çelik, M.S., Removal of finely disseminated silicates from kütahyaşaphane alunite ore by oleate flotation, Ore Dressing, 11 (22), 10-15 (2009).
6. Çinku, K., Boylu, F., Duman, F., Çelik, M.S., Bentonitlerin zenginleştirme ve soda ile aktivasyonunda sudaki iyon varlığı ve miktarının ürün özellikleri üzerindeki etkisi, İstanbul Üniversitesi Mühendislik Bilimleri Dergisi, 1, 9-18 (2010).
7. Karakaş F., Hassas B.V., Karaağaçlıoğlu İ.E., Çelik M.S., 2013, Kolemanit Mineralinin Su Bazlı Boyalarda Kullanımı, *Paint&Surface*, Mayıs/Haziran/ Temmuz, Yıl:2, Sayı:9, sayfa, 16-18.
8. Karakaş F., Hassas B.V., Karaağaçlıoğlu İ.E., Çelik M.S., 2013, Su Bazlı Boyalarda Kullanılan TiO₂'nin Çöktürülmüş Kalsiyum Karbonat (PCC) ile Kısmi Olarak İkamesi, *BoyaTÜRK*, Haziran/ Temmuz, Yıl:8, Sayı:46, sayfa, 16-20.
9. Karakaş F., Karaağaçlıoğlu İ.E., Çelik M.S., 2013, "Yerli Hammaddelerden Su Bazlı Yol Çizgi Boyası Üretimi ve Karakterizasyonu", *BoyaTÜRK*, Ekim/Kasım, Yıl:8, Sayı:48, sayfa, 28-34.
10. Özdemir, O., Çinku, K., Uslu, T., Kılıç, E., Çelik, M.S. (2013). "Türk Kömürlerinin Tuzlu Su İçerisinde Kollektörsüz Flotasyonu", Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, 13, 1-14.
11. GÜVEN, O., HASSAS, V.B., KARAAĞAÇLIOĞLU, İ.E., KARAKAŞ, F., ÇELİK, M.S. (2014) "Kolemanit ve Bentonit Katkılı Stiren Bütil Akrilat Kopolimer bazlı kompozit Üretimi ve Karakterizasyonu", *Boya Turk*, No. 01/ 2

IV. International Patents

1. Miller, J.D., Çelik, M. S., Özdemir, O., Çınar, M. Gupta, V., Systems and processes for producing high purity trona, International Publication Number: WO 2009 062177 A2, International Publication Date: 14.05.2009, PCTUS2008/083032.

V. Published Conference Proceedings

1. Çelik, M. S. and Somasundaran P., "Wettability of Reservoir Minerals by Flotation and Correlation with Surfactant Adsorption", SPE Paper 9002, Presented at the SPE 5th International Symp. on Oilfield and Geothermal Chem., Standford, May 1980.
2. Somasundaran, P. and M. S. Çelik, "Precipitation-Redissolution-Reprecipitation of Sulfonates", 5th Yugoslav Symp. on Surface Active Substances, Proceedings Part I, 391-403(1981).
3. Çelik, M. S., Goyal, A., Manev, E. D. and Somasundaran, P. "The Role of surfactant Precipitation and Redissolution in the Adsorption of Sulfonates on Minerals", SPE Paper 8263, Presented at the 54th Annual SPE Meeting, Las Vegas, 1979.
4. Manev, E. D., Çelik, M. S., Ananthapadmanabhan, K. P. and Somasundaran, P., "A Thermodynamic Model of Redissolution of Calcium Sulfonate Precipitates in NaCl Solutions", SPE Paper 10598, Presented at the SPE Internatioal Symp. on Oilfield and Geochemistry Symposium, Dallas, Jan. 1982.
5. Al-Marhoun, M., Guney, M., Johnston, H. A. and Çelik, M. S., "Development of the Mining Engineering Curriculum at UPM", Proceedings of the 2nd Saudi Engineers Conference, Vol.3, 1592-1614(1986).
6. El- Shall, H., El-Dahshan, M. and Çelik, M. S., "Introducing Electroflotation technology to Wastewater Treatment in Saudi Arabia", Proceedings of 2nd Saudi Engineers Conference, 3525-3648(November 1985).
7. Ali, H.S., Al-Marhoun, M. A., Abu-Khamsin, S. and Çelik, M.S., "The Effect of Overburden Pressure on Relative Permeability", SPE Paper 15730, Presented at the 5th SPE Middle East Conference, Bahrain, March 1987.
8. Çelik, M. S., Fuseni, A. B., Al-Hashim, H.S. and Menouar, H., "Existence of a Secondary Optimal Salinity in Microemulsion Systems", SPE paper 16726, Presented at the 1987 SPE Annual Meeting, Dallas, Sept. 1987.
9. Çelik, M. S., "Adsorption of Ethoxylated Sulfonates And Nonionics of Same Homologues on Coal", Preprint 88-151, Presented at the 1988 AIME Annual Meeting, Phoenix, Jan. 1988.
10. Çelik, M. S., "Effect of Ultrasonic Treatment on the Flotation of Coal and Galena", Proceedings of the Second International Mineral Processing Symposium, Izmir, Turkey, Ed., Aytekin, Y., 118-127(1988).
11. Iob, A., Tawabini, H., Al-Hashim, H. and Celik, M. S., "Analysis of Ethoxylated Sulfonates in the Presence of Crude Oil", Proceedings of the Third National Meeting of Chemists, Dhahran, Saudi Arabia, March 1989.
12. Çelik, M.S., Stallard, M.L., and Yoon, R.H., "Coal Desulfurization by a Novel Pyrite Depressant in Froth Flotation", Proceedings of III. International Mineral Processing Symposium, Istanbul, 256-266(Sept. 1993).
13. Çelik, M. S., "Depression mechanisms of Coal Pyrite and Ore Pyrite in Froth Flotation", Proceedings of Third Mining Symposium in Isfahan, Iran, Vol.2, pp. 247-261(May 1991).
14. Dogan, M.Z. and Çelik, M.S., "Latest Developments in Coal Desulfurization by Flotation and Microbial Beneficiation" Proceedings of the 3rd Mining, Petroleum and Metallurgy Conference, Cairo, Egypt, Vol.1, 385-393(Feb. 1992).
15. Acarkan, N., Onal G. and Çelik, M.S., "Reverse Flotation of Calcerous Phosphate Ores", Proceedings of the 3rd Mining, Petroleum and Metallurgy Conference, Cairo, Egypt, Vol.1, 242-251(Feb. 1992).
16. Çelik, M.S., Atak, S. and Onal, G., "Flotation of Boron Minerals", Preprint No. 92-187, Presented at the 1992 AIME Annual Meeting, Phoenix, USA, Feb. 1992.
17. Çelik, M.S., Saglam, H. and Hancer, M., "Activation Mechanisms of Barium Ions in Colemanite Flotation", proceedings of 4th International Mineral Processing Symposium, Antalya, Turkey, 203-212(Oct. 1992).

18. Okur, E., Çelik, M.S. and Onal, G., "Optimization of Grinding-Filtration Conditions in Boric Acid Production (In Turkish)", Proceedings of 4th International Mineral Processing Symposium, Antalya, Turkey, 812-821(Oct. 1992).
19. Çelik, M.S. and Yoon R.H., "Calorimetric Studies on the Interaction of Ionic Surfactants with Coal", Preprint No. 93-250, Presented at the SME Annual meeting, Reno, 1993.
20. Okur, E., Çelik, M.S. and Onal, G., "Effect of Colemanite Particle Size on Boric acid Production (In Turkish)", Proceedings of XIII th Mining Congress in Turkey, 675-682(May 1993).
21. Emrullahoglu, F., Kara, M., Çelik, M.S., Tolun, R., "Concentration of Calcined Colemanite Tailings by Shaking Table (In Turkish)", Proceedings of XIII th Mining Congress of Turkey, 629-638(May 1993).
22. Hancer, M., Kaytaz, Y., Çelik, M.S., "Flotation of Borax with Anionic and Cationic Collectors in Saturated Solutions (In Turkish)", Proceedings of XIII th Mining Congress of Turkey, 519-528(May 1993)..
23. Guney, A., Onal, G., Dogan, M.Z., Çelik, M.S., Mechanism of Anionic Collector Adsorption in Chromite Flotation, Proceedings of XVIII International Mineral Processing Congress, Sydney, Australia, Vol. 4, 937-941(May 1993).
24. Hancer, M., Çelik, M.S., Onal, G., and Dogan, M.Z., " Recovery of Borax From Kirka Boron Tailings with Particular Emphasis on Environmental Pollution (In Turkish)", Proceedings of Second Conference on Cooperation between the Turkish States, 219-226(1993).
25. Yasar, E., Hancer, M., Eren, R.H., and Çelik, M.S., "Electrokinetic Properties of Kirka Boron Clays (In Turkish)", Proceedings of the Sixth National Clay Symposium, 25-34(1993).
26. Çelik, M.S., Atesok, G., Seyhan, K., "Preparation and Combustion of Coal-Water Slurries (In Turkish)", Proceedings of Coal Utilization Conference, Didim, pp. 1993.
27. Ozcan, O., Çelik, M.S., Balta, D.A., Polat, M., "Is Oleic Acid or Oleoyl Sarcosine More Selective in the Flotation Separation of Salt Type Minerals", SME Preprint 94-252, SME Annual Meeting, Albuquerque, Feb. 1994.
28. Çelik, M.S., Arslan, F., Suner, F., Emrullahoglu, O.F., Onal, G., "The Mechanism of Decrepitation Process in the Separation of Boron Minerals, in Proceedings of Innovations in Mineral Processing, Sudbury, 245-252(June 1994).
29. Yildirim, I., Atesok, G., Onal, G., Çelik, M.S., "Application of Stripa in Coal Preparation", in Progress in Mineral Processing Technology, Proceedings of 5th International Mineral Processing Symp., Cappadocia, Turkey, 325-334(1994).
30. Seyhan, K., Çelik, M.S., Dogan, M.Z., Onal, G., "Flotation of Thermally Treated Lower-Rank Coals", in Progress in Mineral Processing Technology, Proceedings of 5th International Mineral Processing Symp., Cappadocia, Turkey, 141-146(1994).
31. Yasar, E., Hancer, M., Kaytaz, Y., and Çelik, M.S., "Mechanism of Electrostatic Separation of Boron Minerals", in Progress in Mineral Processing Technology, Proceedings of 5th International Mineral Processing Symp., Cappadocia, Turkey, 89-93(1994).
32. Yasar, E., Gulgonul, I., Kaytaz, Y., Çelik, M.S., "Electrokinetic Properties of Boron Minerals", in Progress in Mineral Processing Technology, Proceedings of 5th International Mineral Processing Symp., Cappadocia, Turkey, 131-134(1994).
33. Çelik, M.S., Bulut, R., Onal, G., "Selective Separation of Colemanite from Ulexite by Flotation", Proceedings of III. Latin American Congress on Froth Flotation, Concepcion, Chile, Nov. 1994.
34. Avci, E., Çelik, M.S., "Preparation of Coal-Water Slurries from Mineral Processing Plants", Presented in Fourth Mining Symposium of Iran, Yazd, Sept. 1994.
35. Çelik, M.S., Balta, D.A., Ozcan, O. and Avci, E., "Flotation Mechanism of Oleoyl sarcosine and Oleic acid with Salt Type Minerals" Presented in Fourth Mining Symposium of Iran, Yazd, Sept. 1994.
36. Hancer, M., Kaytaz, Y., Onal, G. and Çelik, M.S., "Development of a New Flowsheet for Abatement of Kirka Boron Concentrator Tailings (in Turkish)", Fourth Industrial Pollution Conf., Istanbul, 321-327(1994).
37. Çelik, M.S. and Onal, G., "Desulfurization Methods of Coal Before and After Combustion (in Turkish)", Proceedings of Environmental Problems and Management in Gokova Bay, A.I. Pala Ed., Izmir, 56-65(1994).

38. Onal, G., Sirkeci, A.A., Çelik, M.S., "Coal: The 21st Century Energy Source(in Turkish)", Energy with all Aspects in 21st Century Symp., Istanbul, 33-40(April 1994).
39. Gulgonul, I., Yasar, E., Kaytaç, Y. and Çelik, M.S., "The Slime Coating Mechanism in Colemanite Flotation(in Turkish)", Proceedings of Cukurova University 15th Anniversary, Adana, 369-377(1994).
40. Çelik, M.S., Yasar, E., Hancer, M., "Surface Chemistry of Boron Minerals (in Turkish)", Proceedings of Beneficiation of Boron Minerals Workshop, Izmir, 65-82(1994).
41. Çelik, M.S., Yasar, E. and El-Shall, H., "Flotation of Heterocoagulated Particulates", SME Annual Meeting, SME Preprint No. 95-15, Denver, March 6-9, 1995.
42. Akın, Y. and Çelik, M.S., "Electrokinetic Behavior of Montmorillonite Type Clays (in Turkish)", Proceedings of Industrial Raw Materials Semp. 95, (Eds. Köse, H., Kızıllı, M.S.), Izmir, 135-142, April 21-22, 1995.
43. Gulgonul, I., Çelik, M.S., Kaytaç, Y. and Acarkan, N., "Interaction of Clay with Boron Minerals in Flotation Pulps", Proceedings of Technologies for Mineral Processing of Refractory Raw Materials, Baia Mare, 176-184, May 17-19, 1995.
44. Asmatulu, R., Acarkan, N., Onal and Çelik, M.S., "Upgrading of Low-Rank Coals by Low Temperature Carbonization", Proceedings of Technologies for Mineral Processing of Refractory Raw Materials, Baia Mare, 29-35, May 17-19, 1995
45. Yildirim, I., Onal, G., Atesok, G., Çelik, M.S., "A Novel Dense Medium Separator for Coarse Coal Cleaning", *XIX. International Mineral Processing Congress*, October 23-27, San Francisco, U.S.A. Vol. 2, 143-146.
46. Önal, G., Mustafaev, I., Asmatülü, R., Yıldırım, İ., Acarkan, N., Çelik, M.S., Desulfurization of Turkish Lignites By Semicoking, *Efficiency, Costs, Optimization, Simulation and Environmental Impact of Energy Systems ECOS'95*, July 11-14, İstanbul, Vol. 2, 640-650, 1995.
47. Onal, G., Mustafaev, I., Yildirim, I. Mahmudov, O. and Çelik, M.S., "Reduction of Air Pollution by Semicoking of Lignites (In Turkish)", II. Air Pollution Modelling and Control Symp., 27-34, Istanbul, March 22-24, 1995.
48. Onal, G., Mustafaev, I., Yildirim, I. and Çelik, M.S., "Economic Feasibility of Thermally Treated Lignites (In Turkish)", 14th Mining Congress of Turkey, 467-472, Ankara, June 6-9, 1995.
49. Atak, S., Altas, A., Acarkan, N. and Çelik, M.S., "Upgrading Schemes for Some Iron Ores (In Turkish)", 14th Mining Congress of Turkey, 413-417, Ankara, June 6-9, 1995.
50. Hançer, M., Yaşar, E., Akın, Y., Suner, F., Çelik, M.S., Electrostatic Properties of Clay Minerals, *VIIIth National Clay Symposium, Clay'95*, 27-30 Sept., Ankara, 200-209, 1995.
51. Akın, Y., Çelenli, A., Suner, F., Çelik, M.S., "Electrokinetic Behavior of Montmorillonite and Its Implication in Commercial Applications" MinChem'95, The Fifth Symposium on Mining Chemistry, pp: 7-10 November 1995, İstanbul, Turkey.
52. Hançer, M., Eren, R.H., Doğan, Z., Çelik, M.S., "Adsorption of Surfactants on Borax in Saturated Brine Solutions" MinChem'95, The Fifth Symposium on Mining Chemistry, pp: 7-10 November 1995, İstanbul, Turkey
53. Batar, T., Akdag, M., Kahraman, B. and Çelik, M.S., "Dry Processing of Boron Minerals for the Abatement of Environmental Pollution, Proceedings of 6th Balkan Conference on Mineral Processing, 467-472, Ohrid, Macedonia, Sept. 18-21, 1995.
54. Aydın, M.E., Yildirim İ., Doğan M.Z., Önal G., Çelik M.S., *Desulfurization of low-rank Turkish coals by gravity separato* , 13. Annual International Pittsburg Coal Conference, 3-7 Sept., Pittsburg, PA.,USA, 1996.
55. Cirit, N.E., Perek, K.T., Batar, T., Çelik, M.S., *Boraksın Isıl İşlem Altında Büyüme Davranışı ile Optimum Kazanma Veriminin İlişkilendirilmesi*, Süleyman Demirel Üniv. Müh. Fak. IX. Mühendislik Semp. Maden Müh. Bildiriler Kitabı, 29-31 Mayıs, Isparta, 1996.
56. Çelik, M.S., Sabah, E., Önal, G., *An overview of precombustion coal desulfurization techniques*, Proceedings SWEMP'96 Cagliari, İtalya, 7-11 Oct., Edt: Raimondo Ciccu, V:2, pp:1185-1191, Grafiche Galeati, İtaly, 1996.

57. Çelik, M.S., Akin, Y., Hancer, M., *Decompression of Electrical Double Layer with Monovalent Cations*, SME preprint 96-91, presented at the SME Annual Meeting, Phoenix, Arizona, March 11-14, USA, 1996.
58. Doğan, M.Z., Gentile, R.H., Onal, G., Çelik, M.S., *New technologies for devolatilization and desulphurization of some low-rank Turkish coals*, Proceedings of the TIEES-96 (First Trabzon International Energy and Environment Symp.) K.T.Ü., 29-31 July, V:2 pp 767-773, Trabzon, 1996.
59. Kurşun, I., Kaytaç, Y., İpekoğlu, B., Çelik, M.S., *Flocculation behavior of fine albite concentrate with various polymers*, Proceedings of the 6th International Min. Proc. Symp., (Eds: M. Kemal, V. Arslan, A. Akar and M. Cambazoğlu, Sept. 24-16, pp:661-666, A.A.Balkema, Rotterdam, Netherlands, 1996.
60. Onal G., Hancer, M. Kaytaç, Y., Öztürk, N., Çelik, M.S., *Abatement of environmental effects of Kırka borax processing plants in Turkey*, Proceedings SWEMP'96 Cagliari, İtalya, 7-11 Ekim 1996, Edt: R. Ciccu, V:1, pp:403-408, Grafiche Galeati, İtalya, 1996.
61. Yıldırım, İ., Yüce, H., Önal, G., Çelik, M.S., *Upgrading of a low rank-rank semicoked lignite by high intensity dry magnetic separator*, Proceedings of the 6th International Min. Proc. Symp., (Eds: M. Kemal, V. Arslan, A. Akar and M. Cambazoğlu) Kuşadası, Sept. 24-26, pp:137-142, A.A.Balkema, Rotterdam, Netherlands, 1996.
62. Veeramasaneni, S., Yalamanchili, M.R., Miller, J.D., Çelik, M.S., *Adsorption of Model Collector Colloids at the Surface of Colemanite as Characterized by Optical and Atomic Force Microscopy*, Proceedings of the 6th International Min. Proc. Symp., (Eds: M. Kemal, V. Arslan, A. Akar and M. Cambazoğlu) Kuşadası, Sept. 24-26, p. 215-220, A.A.Balkema, Rotterdam, Netherlands, 1996.
63. Asmatülü, R., Acarkan, N., Önal, G., Çelik M.S., "Desulfurization of Low-Rank Coals by Low-Temperature Carbonization," *European Coal Geology and Technology*, Geological Society Special Publication No. 125, Eds. R. Gayer, J. Pesek, p. 365-369, 1997.
64. Akin, Y., Gülgönül, İ., Çelik, M.S., "The Slime Coating Mechanism In the Flotation of Colemanite/Clay System", Preprint No. 97-135, SME Annual Meeting, Denver, Colorado, Feb. 24-27, 1997.
65. Çelik, M.S., Batar, T., Akin, Y., Arslan, F., "Upgrading Schemes for Boron Minerals through Calcination", Preprint No. 97-134, SME Annual Meeting, Denver, Colorado, Feb. 24-27, 1997.
66. Yıldırım, İ., Önal, G., Çelik, M.S., "Desulfurization of Low-Rank Lignitic Coals Using Semicoking and Dry Magnetic Separation Techniques", Proceedings of the XX International Mineral Processing Congress, Eds., H. Hoberg and H. von Blottnitz, Vol. 2, p. 631-638, Aachen, 21-26 Sept., 1997.
67. Öztürk, N., Önal, G., and Çelik, M.S., "A New Improved Processing Route for Upgrading Borax Compounds", ", Proceedings of the XX International Mineral Processing Congress, Eds., H. Hoberg and H. von Blottnitz, Vol. 4, p. 17-26, Aachen, 21-26 Sept., 1997.
68. Gülgönül, İ. Çelik, M.S., Çınar, M., "Slime Coating Mechanism in the flotation of Ulexite (In Turkish)", 2. Industrial Raw materials Symposium, Eds. H. Köse and V. Arslan, İzmir, p. 70-75, 16-17 Oct. 1997.
69. Doğan, Z., Önal G., Çınar M., Çelik M.S., "New Technologies in Clean Coal production (In Turkish)" Proceedings of 7th Turkish Energy Congress, Vol. 2, p. 49-58, Ankara, 3-8 Nov. 1997
70. Önal G., Çelik M.S., Yıldırım I., Doğan M.Z., "New Technologies for Improvement of Low Rank Turkish Coals" Proceedings of European Coal Conference'97, İzmir, 5-10 May, 1997.
71. Tuner I., Yıldırım I., Önal G., Çelik M.S., "Desulfurization of Low-Rank Turkish Coal by Gravity Separation Techniques" 5th Southern Hemisphere Meeting on Mineral Technology, p.85-88, Buenos Aires, Argentina, May 6-9 1997.
72. Yıldırım İ., Önal G., Çelik M.S., "Desulphurization of Low Rank Coals by Low Temperature Carbonization and Magnetic Separation" 7th Balkan Conference on Mineral Processing, Volume II, p. 181-186, Vatra Dornei, Romania, 26-30 May 1997.

73. Sabah, E., Saglam, H., Kara, M., Çelik M.S., "Uptake of Cationic Surfactants by a Clay Absorbent:Sepiolite" 5th Southern Hemisphere Meeting on Mineral Technology, p. 277-280, Buenos Aires, Argentina, May 6-9 1997.
74. Arslan F, Çabuk K., Yildirim İ., Gürkan V., Çelik M.S., "Removal Of Arsenic from Colemanite by Heat Treatment", 7th Balkan Conference on Mineral Processing, Volume II, p. 177-180, 26-30 May 1997, Vatra Dornei, Romania.
75. Sabah, E., Kara, M., Hancer, M., Çelik, M.S., Adsorption Mechanism of Organic and Inorganic Ions by a Clay Absorbent: Sepiolite", SME Preprint 98-152, SME Annual Meeting, Orlando, Florida, March 9-11, 1998.
76. Kara, M., Yüzer, H., Sabah, E., Çelik, M.S., "Sepiolite as an Adsorbent for Elimination of Mine Wastes", Environmental Issues and Waste management in Energy and Mineral Production, Proceedings of the 5th International Symposium (Swemp' 98), p. 717-721, Balkema, Rotterdam, Paşamehmetoglu, Ö and Özgenoğlu, A. (Eds.), Ankara, Türkiye, May 18-20, 1998.
77. Sabah, E., Ozdemir O., Çelik M.S., "Thermodynamic Treatment of Cationic Surfactant Adsorption onto a Clay Absorbent:Sepiolite" Innovations in Mineral Processing, Proceedings of the 7th International Mineral Processing Symposium, p. 893-904, Balkema, Rotterdam, Atak, S., Önal, G. and Çelik, M.S. (Eds.), İstanbul, Türkiye, Sept. 15-17.
78. Hançer, M., Miller, J.D., Çelik, M.S., "Further Consideration of the Spectral Characteristics of Interfacial Water at Hydrophobic Surfaces", Innovations in Mineral Processing, Proceedings of the 7th International Mineral Processing Symposium, p.105-111, Balkema, Rotterdam, Atak, S., Önal, G. and Çelik, M.S. (Eds.), İstanbul, Türkiye, Sept. 15-17.
79. Çelik, M.S. Elma, I., Hançer, M., Miller, J.D., "Effect of In-situ Ultrasonic Treatment on the Floatability of Slime Coated Colemanite, Innovations in Mineral Processing, Proceedings of the 7th International Mineral Processing Symposium, p. 153-157, Balkema, Rotterdam, Atak, S., Önal, G. and Çelik, M.S. (Eds.), İstanbul, Türkiye, Sept. 15-17.
80. Sabah, E., Sağlam, H., Özdağ, H., Çelik, M.S., "Türk Sepiyolitlerinin Elektrokinetik Özellikleri", IV. Seramik Kongresi Bildirileri, s. 25-31, Eskişehir, 22-25 Eylül 1998.
81. Çelik, M.S., Pehlivanoglu, B., Aslanbaş, A., Asmatülü, R., Flotation of Colored Impurities by New Collectors, SME Preprint 99-153, Presented at the SME Annual Meeting, Denver, march 1-3, 1999.
82. Çelik, M.S., Eren, R.H., Uztek, G., Gürcüoğlu, C., Doğan, M.Z., Beneficiation of Nepheline Syenite by Magnetic Separation and Flotation Techniques, Proceedings of VIII Balkan Mineral Processing Conference, Herceg Novi, Sept. 14-18, 1999.
83. Çelik M.S., Eren R.H., Üztek G., Gürcüoğlu C., Doğan M.Z., 'Beneficiation of Nepheline Syenite by Magnetic Separation and Flotation Techniques' VIII. Balkan Mineral Processing Conference, pp.105-110, September 13-18, 1999 Belgrade-Yugoslavia.
84. Çelik M.S., Pehlivanoglu B., Aslanbaş A., Asmatülü R., 'Flotation of Colored Impurities for Feldspar Ores by New Collectors' SME PREprint 99-153, SME Annual Meeting Denver, Colorado, March 1-3, 1999.
85. Özdemir O., Arslan F., Çelik M.S., 'Uzun Zincirli Benzensülfonatlarının Sepiyolit Tarafından Adsorplanması' III. Endüstriyel Hammaddeler Sempozyumu, sayfa: 114-123, Ekim 14-15, 1999 İzmir.
86. Sabah E., Çelik M.S., 'Sepiyolit: Özellikleri ve Kullanım Alanları' III. Endüstriyel Hammaddeler Sempozyumu, sayfa: 132-146, Ekim 14-15, 1999 İzmir.
87. Turan M., Uzun Ü., Çiçek H., Arslan F., Çelik M.S., 'Zeolit Kolon Reaktörü Kullanarak İSKİ Elmalı Baraj Suyundan Amonyakın Giderilmesi' Kent Yönetimi İnsan ve Çevre Sorunları Sempozyumu' 99, 17-19 Şubat 1999, İstanbul.
88. Sabah E., Kara M., Çınar M., Çelik M.S., 'Sepiyolit Türü Doğal Kil Minerallerinin Organik ve İnorganik İyonları Adsorplama Mekanizmaları' 9. Ulusal Kil Sempozyumu 15-18 Eylül 1999, İstanbul.
89. Akin, Y., Hançer, M., Çelik, M.S. Miller, J.D., 'Interaction of Amine with Borate Species in Boron Flotation Pulps' SME Preprint 00-38, SME Annual Meeting, Salt lake City, Feb. 28-March 1, 2000.

90. Kurşun, İ., İpekoğlu, B., Çelik, M.S., Kaytaç, Y., Flocculation and Adsorption-Desorption Mechanism of Polymers on Albite, Proceedings of XXI International Mineral Processing Congress, Rome, C5-24-30, July 23-27, 2000.
91. Çelik, M.S., Özdemir, B., Turan, M., Benli Gönül, B., Utilization of Sepiolite in the Removal of Ammonia from Contaminated Drinking Water, Proceedings of World Filtration Congress, Vol. 2, pp. 377-380, Brighton, UK, April 4-7, 2000.
92. Turan, M., Arslan, F., M., Benli Gönül, B., Çelik, M.S., Ammonia Removal from Contaminated Drinking Water Reservoir by Clinoptilolite, Proceedings of World Filtration Congress, Vol. 2, pp. 373-376, Brighton, UK, April 4-7, 2000.
93. Koyuncu, I., Topacık, D., Turan, M., Çelik, M.S., Sarıkaya, H.Z., 'Application of the membrane Technology to control Ammonia in Surface Water', Proceedings of 6th International Conference on Particle Removal from Dams&Reservoirs, Durban, South Africa, 15-18 February, 2000.
94. Çelik, M.S., Özdemir, B., Turan, M., Koyuncu, I., Ateşok, G., Removal of Ammonia by natural Clay Minerals using Fixed and Fluidised Bed Column Reactors', Proceedings of 6th International Conference on Particle Removal from Dams&Reservoirs, Durban, South Africa, 15-18 February, 2000.
95. Sağlam, H., Özdemir, O., Çelik, M.S., El-Shall, H., 'Adsorption mechanism of Toxic Metal Ions by Attapulgite, Mineral Processing on the Verge of 21st Century, Proceedings of the 8th International Mineral Processing Symposium, p. 673-678, Balkema, Rotterdam, Özbayoğlu G., et al., (Eds.), Antalya, Türkiye, Oct., 16-18, 2000.
96. Müdüroğlu, M., Çelik, M.S., Hançer, M., Miller, J.D., 'Electrokinetic Behavior of Borax in Saturated Solutions and its Role in Flotation', Mineral Processing on the Verge of 21st Century, Proceedings of the 8th International Mineral Processing Symposium, p.231-236, Balkema, Rotterdam, Özbayoğlu G., et al., (Eds.), Antalya, Türkiye, Oct., 16-18, 2000.
97. Çiçek, H., Arslan, F., Çelik, M.S., Turan, M., Utilization of Natural Clay Minerals in the Removal of Ammonia from Waste Waters, Mineral Processing on the Verge of 21st Century, Proceedings of the 8th International Mineral Processing Symposium, p.735-739, Balkema, Rotterdam, Özbayoğlu G., et al., (Eds.), Antalya, Türkiye, Oct., 16-18, 2000.
98. Turan, M., Çelik, M.S., Özdemir, B., Armağan, B., Removal of Ammonia from Sepiolite Column Reactor (In Turkish), Proceedings of 1st Turkish Water Congress, 8-10 Jan. 2001, Eds. Z. Şen, S. Sirdaş, A. Altunkaynak, A., Vol. 2, p. 621-628.
99. Yüzer, H., Kara, M., Çelik, M.S., Effect of Activated Brown Sepiolite on the Removal of Cobalt Ions from Wastewaters (In Turkish), 10th National Clay Semp., Eds., M.Ç. Karakaya, N. Karakaya, 19-22 Sept., 2001, Konya, p. 135-143.
100. Ersoy, B., Özdemir, O., Çelik, M.S., Adsorption of Cationic Surface Active Agents onto Natural and Activated Clinoptilolite (In Turkish), 10th National Clay Semp., Eds., M.Ç. Karakaya, N. Karakaya, 19-22 Sept., 2001, Konya, p. 167-175.
101. Yüzer, H., Kara, M., Çelik, M.S., Effect of Activated Brown Sepiolite on the Removal of Cobalt Ions from Wastewaters (In Turkish), 10th National Clay Semp., Eds., M.Ç. Karakaya, N. Karakaya, 19-22 Sept., 2001, Konya, p. 135-143.
102. Mart, U., Yüzer, H., Sabah, E., Çelik, M.S., Viscosity Behavior of Sepiolite in Water-Based Systems (In Turkish), 10th National Clay Semp., Eds., M.Ç. Karakaya, N. Karakaya, 19-22 Sept., 2001, Konya, p. 121-128.
103. Yüzer, H., Kara, M., Çelik, M.S., Removal of Nickel Ions from Wastewater by Sepiolite (In Turkish), 17th International Mining Congress and Exhibition of Turkey, Eds., E. Ünal, B. Ünver, E. Tercan, 19-22 June, 2001, Ankara, p. 119-123.
104. Sabah, E., Çelik, M.S., Interaction of Original and Heat-Treated Sepiolites with Quaternary Amines, 17th International Mining Congress and Exhibition of Turkey, Eds., E. Ünal, B. Ünver, E. Tercan, 19-22 June, 2001, Ankara, p. 747-751.
105. Turan, M., Armağan, B., Çiçek, H., Gülşen, H., Çelik, M.S., Ammonia Removal by Use of Clinoptilolite and Sepiolite, Proceedings of International Symp. On Water Resources, 11-12 July, 2001, Eds. Z. Şen, F. karaosmanoğlu, S. Sirdaş, p. 193-202.
106. Çelik, M.S., Turan, M., Yüksel, B., Yüzer, H., Utilization of Sepiolite in the Removal of Lead from Wastewaters, Proceedings of IWA World Water Congress, 15-19 Oct. 2001, Berlin, Paper B2117.

107. Turan, M., Mart, U., Çelik, M.S., Removal of Lead from Wastewaters by Clinoptilolite, Proceedings of IWA World Water Congress, 15-19 Oct. 2001, Berlin, Paper B2118.
108. Demir, C., Ersoy, B., Çelik, M.S., Na-Feldspar/K-Feldspar Separation in HF Medium (In Turkish), 4th Industrial Raw Materials Symp. Eds., H. Köse, V. Arslan, 17-19 Oct., 2001, İzmir, p. 112-118.
109. Ersoy, B., Demir, C., Çelik, M.S., Effect of Different Cation Forms and Different Salts on HTAB Adsorption of Clinoptilolite (In Turkish), 4th Industrial Raw Materials Symp. Eds., H. Köse, V. Arslan, 17-19 Oct., 2001, İzmir, p. 292-298.
110. Hançer, M., Miller, J.D., Mart, U., Çelik, M.S., Flotation Fundamentals of Soluble Salts, New Developments in Mineral Processing: Proceedings of 9th Balkan Congress, Eds., G. Önal, S. Atak, A. Güney, M.S. Çelik, E. Yüce, 11-13 Sept., 2001, Istanbul, p. 147-154.
111. Demir, C., Gülgönül, İ., Özdemir, O., Çelik, M.S., Flotation Behavior of Albite and Microcline at Natural pH in Monovalent Salt Suspensions, New Developments in Mineral Processing: Proceedings of 9th Balkan Congress, Eds., G. Önal, S. Atak, A. Güney, M.S. Çelik, E. Yüce, 11-13 Sept., 2001, Istanbul, p. 161-166.
112. Özdemir, O., Ersoy, B., Demir, C., Çelik, M.S., Characterization of Tunçbilek Lignitic Fly-Ash By-products, New Developments in Mineral Processing: Proceedings of 9th Balkan Congress, Eds., G. Önal, S. Atak, A. Güney, M.S. Çelik, E. Yüce, 11-13 Sept., 2001, Istanbul, p. 671-675.
113. Ersoy, B., Sabah, E., Çelik, M.S., Electrokinetic Properties of Clinoptilolite and their Implications in Wastewater Treatment, New Developments in Mineral Processing: Proceedings of 9th Balkan Congress, Eds., G. Önal, S. Atak, A. Güney, M.S. Çelik, E. Yüce, 11-13 Sept., 2001, Istanbul, p. 629-633.
114. Çelik, M.S., Özdemir, O., Yiğit, B., Boylu, F., Ateşok, G., Colloidal Behavior of Coal-Water Slurries in the Presence of Various Surfactants, New Developments in Mineral Processing: Proceedings of 9th Balkan Congress, Eds., G. Önal, S. Atak, A. Güney, M.S. Çelik, E. Yüce, 11-13 Sept., 2001, Istanbul, p. 391-394.
115. Armağan, B., Özdemir, O., Turan, M., Clay Mineral Batch Process For Color Removal of Textile Wastewaters, Fifth Specialised Conference on Small Water and Wastewater Treatment Systems, 23-25, September 2002, Istanbul, Türkiye, p. 581-586.
116. Armağan, B., Özdemir, O., Turan, M., Çelik, M.S. Decolorizing of Textile Industry Wastewaters using Clinoptilolite” ISWA 2002 World Environment Congress and Exhibition, 8-12 July 2002 İstanbul, Türkiye, p. 1871-1878.
117. Armağan, B., Özdemir, O., Turan, M., Çelik, M.S. (2002) "Utilization of Zeolite in the treatment of Textile Wastewater (In Turkish), 8th Industrial Pollution Control Symposium, Akça L. et al. eds., 18-20 Sept. 2002, Istanbul, p. 385-390.
118. Atesok, G., Boylu, F., Çelik, M.S., Eratak, D., Carrier Flotation for Production of Low-Ash and Low-Sulfur Coal, XIV International Coal Preparation Congress, 11-15 March 2002, Sandton, South Africa, p. 63-67. C.
119. Demir, C., Gülgönül, İ., Çelik, M. S. Differential separation of albite from microcline by monovalent salts in HF medium, SME Annual Meeting, Preprint No. 02-172, Phoenix, USA.
120. Çelik, M.S., Gülgönül, İ., Demir, C., Bentli, İ., ‘The role of ion exchange phenomenon in the separation of sodium and potassium feldspars with monovalent salts’, Extended Abstract, 9th International Mineral Processing Symposium, p.95, Kapadokia, Türkiye, Oct., 16-18, 2002.
121. Özcan, Ö. Çelik, M.S., Miller, J.D., ‘The effect of thermal stability on the flotation response of sodium carbonate salts’, Extended Abstract, 9th International Mineral Processing Symposium, p.96, Kapadokia, Türkiye, Oct., 16-18, 2002.
122. Gülgönül, İ., Alkan, M., Mart, U., Çelik, M.S., Mechanism of Clay Coating on Anionic Flotation of Colemanite (In Turkish), Balıkesir University Boron Symposium, Balıkesir, Türkiye, p. 29 (Abstract),
123. Gülgönül, İ., Özdemir, O., Mart, U., Çelik, M.S., Slime Coating Mechanism in the Anionic Flotation of Ulexite (In Turkish), International Boron Symposium, Eraslan K., (Ed), Kütahya, Türkiye, 2002, p. 35-40.

124. Bentli, İ., Özdemir, O., Çelik, M.S., Ediz, N., 'Boron Tailings and Evaluation Strategies', Proceedings of the 1st International Boron Symposium, p.250-258, Dumlupınar University & Chamber of Mining Engineers of Turkey, Erarslan (Ed.), Kütahya, Türkiye, Oct. 3-4, 2002, (in Turkish).
125. Ersoy, B., Sabah, E., Mart, U., Çelik, M.S., Sorption of Nonionic Organic Contaminants by Organo-Zeolite, Proceedings of 18th Int. Mining Congress, Ed. G. Özbayoğlu, IMCET, Antalya, 501-506, 2003.
126. Karagüzel, C., Demir, C., Gülgönül, I., Bentli, I., Çelik, M.S., Selective Separation of N-K Feldspar in Nepheline Syenite, Proceedings of 18th Int. Mining Congress, Ed. G. Özbayoğlu, IMCET, Antalya, 501-506, 2003.
127. Demir, C., Karagüzel, C., Bentli, I., Gülgönül, I., Çelik, M.S., Effects of Barium Salts on the Flotation Separation of Na Feldspar from K-Feldspar, Proceedings of Xth Balkan Mineral Processing Congress, Mineral Processing in the 20th Century, Eds. L. Kuzev, I. Nishkov, A. Boteva, D. Mochev, Varna, Bulgaria, 141-146, 2003.
128. Can, M.F., Arslan, F., Çelik, M.S., Selective Separation of Heavy Metal Ions from Aqueous solution by Ultrafiltration, Proceedings of Xth Balkan Mineral Processing Congress, Mineral Processing in the 20th Century, Eds. L. Kuzev, I. Nishkov, A. Boteva, D. Mochev, Varna, Bulgaria, 392-397, 2003.
129. Çelik, M.Y., Sabah, E., Çelik, M.S., Tunçbilek Kömür Hazırlama Tesisi Kil İçerikli Atıkların Özellikleri, Proceedings of XI. National Clay Symp., Ed. S. Yapar, İzmir, 163-174, 2003.
130. Mart U., Çınar, M., Çelik, M.S., İnorganik Elektrolitlerin Sepiyolit Reolojik Özelliklerine Etkisi, Proceedings of XI. National Clay Symp., Ed. S. Yapar, İzmir, 449-458, 2003.
131. Investigation of Vibration Mechanism and Reactive Addition Effects on Dewatering of Coal Fines, Proceedings of 10th Int. Mineral Processing Symposium, Ed. A. Akar, Ü. İpekoğlu, İ. Cöcen, M. Polat, IMPS, Çeşme-Turkey, 913-917, 2004.
132. Gülgönül, İ., Demir, C., Karagüzel, C., Çelik, M.S., Effect of feldspar solubility in the selective separation of albite and microcline in the presence of NaCl (MPT 2004), Eds. G.V. Rao, Vibhuti N. Misra, India, 305-312, 2004.
133. Can, M.F., Arslan, F., Çelik, M.S., Cd-Ni separation from aqueous solution by polymer supported membrane systems, (MPT 2004), Eds. G.V. Rao, Vibhuti N. Misra, India, 417-424, 2004.
134. Çınar, M., Can, M.F., Ersoy, B. and Çelik, M.S., 'Grinding of sepiolite for high viscosity Industrial applications', Challenges and Opportunities in Mineral Processing, Proceedings of the 10th International Mineral Processing Symposium, p.85-91, Üçadım Publisher, Akar, A., İpekoğlu, Ü., Cöcen, I. Polat, F. (Eds.), Çeşme, Türkiye, Oct., 5-7, 2004.
135. Ersoy, B., Çınar, M., Çelik, M.S., 'Adsorption of cationic surfactants onto zeolite', Challenges and Opportunities in Mineral Processing, Proceedings of the 10th International Mineral Processing Symposium, p.325-331, Üçadım Publisher, Akar, A., İpekoğlu, Ü., Cöcen, I. Polat, F. (Eds.), Çeşme, Türkiye, Oct., 5-7, 2004.
136. Karagüzel, C., Can, M.F., Sönmez, E., Çelik, M.S., 'Measurement of contact angles on powder feldspars using thin layer wicking method', Challenges and Opportunities in Mineral Processing, Proceedings of the 10th International Mineral Processing Symposium, p.359-365, Üçadım Publisher, Akar, A., İpekoğlu, Ü., Cöcen, I. Polat, F. (Eds.), Çeşme, Türkiye, Oct., 5-7, 2004.
137. Bentli, İ., Demir, C., Gülgönül, İ., Çelik, M.S., Effect of Ca²⁺ ions on the Mechanism of Na-K Feldspar separation by flotation (In Turkish), Proceedings of 5th Industrial Minerals symposium, p.210-215, Maden Mühendisleri Odası, Akar, A., Seyrankaya, A., (Eds.), İzmir-Türkiye, May 13-14, 2004.
138. Bentli, İ., Uyanık, A.O., Demir, U., Şahbaz, O., Çelik, M.S., Seyitömer Termik Santrali Uçucu Küllerinin Tuğla Katkı Maddesi Olarak Kullanımı, Türkiye 19. Uluslararası Madencilik Kongresi (IMCET2005), s. 385-389, 9-12 Eylül 2005, İzmir.
139. Can, M.F., Uyanık, N., Çelik, M.S., Sepiyolit-Polimer Nanokompzitlelerinin Hazırlanması ve Karakterizasyonu (öz), 12. Ulusal Kil Sempozyumu, Yüzüncü Yıl Üniversitesi, s. 237, 05-09 Eylül, 2005, Van.

140. Avcı, B.S., Çınar, M., Çinku, K., Kılınc, T., Çelik, M.S., Yaş Yöntemle Zenginleştirilmiş Çankırı Bentonitinden Çeşitli Endüstriyel Ürün Geliştirilmesi, 12. Ulusal Kil Sempozyumu, Yüzüncü Yıl Üniversitesi, s. 406, 05-09 Eylül, 2005, Van.
141. Çınar, M., Sabah, E., Can, M.F., Çelik, M.S., Asidik ve Bazik Ortamda Öğütülen Sepiyolit Reolojik Özellikleri, 12. Ulusal Kil Sempozyumu, Yüzüncü Yıl Üniversitesi, s. 603-613, 05-09 Eylül, 2005, Van.
142. Sabah, E., Çınar, M., Çelik, M.S., Yemeklik Yağların Rafinasyonunda Sepiyolit Ağırtma Toprağı Olarak Kullanılabilirliği, 12. Ulusal Kil Sempozyumu, Yüzüncü Yıl Üniversitesi, s. 705-715, 05-09 Eylül, 2005, Van.
143. Faki, A., Turan, M. ve Çelik, M.S. (2005) Zeolit kolon reaktörde sulu çözeltilerden everzol yellow 3RS H/C boyarmaddesinin adsorpsiyonu. 6. *Ulusal Çevre Kongresi Tutanakları*, 459-468, 24-26 Kasım 2005, İstanbul.
144. Karagüzel, C. and Çelik, M.S., 'Application of stagewise flotation using tree technique in Na-K feldspar separation', Proceedings of 23rd International Mineral Processing Congress p.839-843, Promed Advertising Agency, Önal, Acarkan, Çelik et al. (Eds.), İstanbul, Türkiye, Sept. 3-8, 2006.
145. Özdemir, O., Nguyen, A.V., Nickolov, Z.S., Çelik, M.S., and Miller, J.D., Flotation chemistry considerations in the development of flotation technology for the trona industry, Proceedings of 23rd International Mineral Processing Congress p.911-916, Promed Advertising Agency, Önal, Acarkan, Çelik et al. (Eds.), İstanbul, Türkiye, Sept. 3-8, 2006.
146. Can, M.F., Arslan, F., and Çelik, M.S., Selective Cd-Ni separation from aqueous solution by polymer in membrane systems, Proceedings of 23rd International Mineral Processing Congress p.2210-2216, Promed Advertising Agency, Önal, Acarkan, Çelik et al. (Eds.), İstanbul, Türkiye, Sept. 3-8, 2006.
147. Kurama, H., Mergan, T., Karagüzel, C., Çelik, M.S., Environmental utilization of flotation in waste stream treatment, Proceedings of Int. Conf on Environmental Management, Engineering, Planning and economics, Skiathos, June 24-28, 2007, 1461-1466.
148. Solmaz, P., Benli, B., Lav, M.A., Çelik, M.S., Lav, A.H., Atık döküm kumunun geçirimsiz perde yapılarak tekrar kullanımı, 2. Döküm ve Çevre Sempozyumu, 24-26 Ekim 2007, 91-101.
149. Boylu, F., Çavusoğlu, M., Perek, K.T. & Çelik M. S., 2007. Bentonitlerin Kedi Kumu Sektöründeki Kullanımına Yönelik Standartların Geliştirilmesi. XIII. Kil sempozyumu Bildiriler Kitabı, s: 181-184, Isparta
150. Kaptan, A., Boylu, F., Sabah, E., Karagüzel, C. & Çelik, M.S., 2007. Farklı Sepiyolit Numunelerinin Kedi Kumu Sektöründe Kullanılabilirliği. XIII. Kil sempozyumu Bildiriler Kitabı, s: 228-238, Isparta
151. Boylu, F., Azeri, A., Çinku, K. & Çelik, M.S., 2007. Anorganik Tuzların Bentonit Bazlı Sondaj Çamurları Üzerine Etkileri. XIII. Kil sempozyumu Bildiriler Kitabı, s:377-395, Isparta
152. Can, F., Erkan, İ., Yıldız, E. & Çelik, M.S., 2007. "Setil Priidinyum Klorür (CPC) Monohidrat ile Modifiye Edilmiş Na-Bentonitlerden Hidrofilik Organokil Elde Edilmesi ve Karakterizasyonu, XIII. Kil sempozyumu Bildiriler Kitabı, s: 185-194, Isparta
153. Benli, B., Demirer, N., Konukçu, E., Tuncan, A., Çelik, M.S., 2007. "Zemin Mekanik Uygulamalarında Bentonitlerin Katyon Değiştirme Kapasitesi ile Fiziksel ve Mekanik Özellikler arasındaki İlişkinin İncelenmesi", XIII. Kil sempozyumu Bildiriler Kitabı, s: 488-489, Isparta
154. Yüzer, H., Sarioğlu, Ş., Koral, M., Doğan, H., Çelik, M.S. & Karahan, S., 2007. "Sömaş Bentonitinden ağartma Toprağı Üretim Prosesinin Geliştirilmesi", XIII. Kil sempozyumu Bildiriler Kitabı, s: 239-245, Isparta
155. Yüzer, H., Sarioğlu, Ş., Koral, M., Doğan, H., Çelik, M.S. & Karahan, S., 2007. "Reşadiye Bentonitinden Solvent Bazlı Bentonit Üretim Prosesinin Geliştirilmesi", XIII. Kil sempozyumu Bildiriler Kitabı, s: 195-202, Isparta.
156. Boylu, F., Bulut, G. Hacıoğlu, S., Yüce, E. Çinku, K., Çelik, M.S. 2008. "Hydrocyclone Separation of Ca-Bentonites", Proceedings of XXIV Int. Mineral Processing Congress, V: 3, pp: 4309-4317, Beijing, China

- 157.Çetinel, T. Karagüzel, C., Boylu, F., Çelik, M.S., Çinku, K., 2008. "Interaction of Soda and Mgo With Mixed Type of Bentonites and Its Industrial Implications", Proceedings of XIth International Mineral Processing symposium, pp 749-754, Antalya.
- 158.Erkan, İ., Alp, İ., Can, M.F., Karakaş, F., Çelik, M.S., Yüzer, H. 2008, Adsorption, rheology, and electrokinetic properties of organo modified sodium bentonites from Reşadiye Region, Proceedings of XIth International Mineral Processing symposium, pp 743-748, Antalya.
- 159.Gülgönül, İ., Karagüzel, C., Bentli, İ., Çelik, M.S., 2008, Interaction of K⁺ ions with feldspar minerals and their role in flotation separation, Proceedings of XIth International Mineral Processing symposium, pp 763-769, Antalya.
- 160.Kurama, H., Mergan, T., Karagüzel, C., Demir, U., Çelik, M.S., 2008, Removal of ammonium ions from tap water by flotation, Proceedings of XIth International Mineral Processing symposium, pp 1097-1102, Antalya.
- 161.Benli, B., Çelik, M.S., Nalaskowski, J., Miller, J.D., 2008, Surface characteristics of selected mineral fillers using AFM, Proceedings of XIth International Mineral Processing symposium, pp 1167-1174, Antalya.
- 162.Karakaş, F., Çelik, M.S., Erkan, İ., Yüzer, H., 2008, Characterization and production of organobentonites using quaternary amine reagents, Proceedings of XXIV Int. Mineral Processing Congress, V: 2, pp: 2034-2041, Beijing, China.
- 163.Karagüzel, C., Boylu, F., Çetinel, T., Çinku, K., Çelik, M.S., 2009. Different mechanisms for the Activation Phenomena of Bentonites, XIV. Int. Clay Conference, s.79, Italy, July, 2009.
164. Boylu, F., Karataş, D., Çelik, M.S., 2009. Bentonit Karakterizasyonuna Bağlı Olarak Döküm Kumu Mekanik Özelliklerinin Değerlendirilmesi, 14. Ulusal Kil Sempozyumu, 259-269, 1-3 Ekim, Trabzon.
- 165.Erkan, İ., Alp, İ., Can, M.F., Çelik, M.S., Kil Katkılı Nanokompozit malzemelerin Çekme Dayanımlarının Modellenmesi, 14. Ulusal Kil Sempozyumu, 782-793, 1-3 Ekim, 2009, Trabzon.
- 166.Boylu, F., Çinku, K., Bulut, G., Benli, B., Çetinel, T., Can, M. F., Karakaş, F., Perek, K. T., Sirkeci, A. A., Gül, A., Koral, M., Saraoğlan, Ş., Yüzer, H., Çelik, M. S., "Production of Industrial Material from Turkish Bentonites", 7th International Industrial Raw Materials Symposium and Exhibition, 25-27 February, Kuşadası, Turkey, 2009, 37-52
167. Bentli, İ., Yüzer, H., Çelik, M. S., "Kütahya-Şaphane Alunit Cevherinin Zenginleştirme Çalışmaları", 7th International Industrial Raw Materials Symposium and Exhibition, 25-27 February, Kuşadası, Turkey, 2009, 344-348
168. Karakaş, F., Güldan, G., Ersever, G., Erkan, İ., Güven, O., Çelik, M. S., "Use of Industrial Raw Materials in Paint Production", 7th International Industrial Raw Materials Symposium and Exhibition, 25-27 February, Kuşadası, Turkey, 2009, 416-424
169. Gülgönül, İ., Karagüzel, C., Çınar, M., Sabah, E., Özgen, S., Çelik, M. S., "Feldspat Flotasyonunda Nano Boyutlu Empüritelerin Etkisi", 21.Uluslararası Madencilik Kongresi ve Sergisi, 6-8 Mayıs, Antalya, Türkiye, TMMOB Maden Mühendisleri Odası, Yayın No: 155, Edt:N.Tamzok, B.Toka, ISBN:978-9944-89-714-3, 2009, 529-539
170. Bentli, İ., Gülgönül, İ., Çelik, M. S., "K-Feldspattan Na-Feldspatın Flotasyonla Seçimli Ayırımında Ba⁺⁺ iyonlarının Etkisi", 21.Uluslararası Madencilik Kongresi ve Sergisi, 6-8 Mayıs, Antalya, Türkiye, TMMOB Maden Mühendisleri Odası, Yayın No: 155, Edt:N.Tamzok, B.Toka, ISBN:978-9944-89-714-3, 2009, 539-544
171. Bentli, İ., Gülgönül, İ., Karakaş, F., Çelik, M. S., "Effects of Barium Ions on the Flotation Separation of Na-Feldspar from K-Feldspar", Proceedings of the XIII Balkan Mineral Processing Congress, 14-17 June, Volume 1, Bucharest, Romania, 2009, 292-296
- 172.Güven, O., Kaya, M. A., Yıldırım, H., Çelik, M. S., "Preparation and Characterization of Styrene Butyl Acrylate and Calcium Bentonite Nanocomposite", Proceedings of the XIII Balkan Mineral Processing Congress, 14-17 June, Volume 1, Bucharest, Romania, 2009, 306-309

173. Çınar, M., Ersever, G., Şahbaz, O., Çelik, M. S., “Sepiyolitinin Desikant Malzeme Olarak Kullanılabilirliği Üzerine Isıl İşlemin Etkisi”, 14. Ulusal Kil Sempozyumu Bildiriler Kitabı, Ed. M. Arslan, E. Abdioğlu, İ. Temizel, 1-3 Ekim, Trabzon, 2009, 270-278
174. Benli, B., Boylu, F., Selamet, A., Çelik, M. S., “Bentonit Katkılı Aljinat Biyobozunur Kompozit Sistemlerinin Elektrokinetik ve Reolojik Özelliklerinin İncelenmesi”, 14. Ulusal Kil Sempozyumu, Ed. M. Arslan, E. Abdioğlu, İ. Temizel, 1-3 Ekim, Trabzon, 2009, 567-575.
175. Karakaş F., Boylu F., Karaağaçlıoğlu İ.E., Çelik M.S., “Minerals in Paint Industry: Talc Utilization as an Extender Material and Its Effect on Paint Performance”, XIIth International Mineral Processing Symposium, October 6-8, 2010, Nevşehir, Turkey, pp 865-872.
176. Karaağaçlıoğlu İ.E., Karakaş F., Boylu F., Çelik M.S., “Characterization and Production of Boron and Mineral Added Cellulosic Insulator”, XIIth International Mineral Processing Symposium, October 6-8, 2010, Nevşehir, Turkey., pp:1035-1042.
177. Güven O., Karakaş F., Kaya M.A., Yıldırım H. and Çelik M.S., “Preparation of composite materials with colemanite additive on styrene butyl acrylate copolymer latexes”, Paint Istanbul 2010, September 24-25.2010, Istanbul, Turkey, pp:292-297.
178. Karakaş F. and Çelik M.S., “Effect of Quantity and Size Distribution Of Calcite Filler On The Quality of Water Borne Paints”, Processing of Industrial Minerals '10, February 4-5, 2010, Istanbul, Turkey.
179. Güven O. and Çelik M.S., "Composite materials based on styren butile acrylate and colemanite : Preparation and Characterisation", Processing of Industrial Minerals '10, February 4-5, 2010, Istanbul, Turkey.
180. B. Benli, R. Hojiyev, T. Gümüş, Y. Ulcay, A. Demir, M. S. Çelik, 2010 “Treatment of Sepiolite for Improving Polyuretane Nanocomposite Electrospun Fibers” The Fiber Society Spring 2010 International Conference, Bursa.
181. Ozdemir, O., Du, H., Nguyen, A.V., Celik, M.S. and Miller, J.D. Significance of ion interactions in flotation in saline and brine solutions, Proceedings of XXV Int. Mineral Processing Congress, V: 2, pp: 2034-2041, Beijing, 2010, Australia.
182. Karaağaçlıoğlu, İ. E., Karakaş, F., Boylu, F., Çelik, M. S., 2011. Development of Cellulosic Insulators with Various Mineral Additives, SME Preprint, 2011 SME Annual Meeting and Exhibit, R.H.Yoon Symposium, March 2011.
183. Karakaş F., Hassas B.V., Güven O., Çelik M.S., 2013, Utilization Of Colemanite In Water Borne Paints As A Filler And Fire Retardant, XV Balkan Mineral Processing Congress, June 12-16, 2013, Sozopol, Bulgaria.
184. Karakaş F., Ergüneş C., Hassas B.V., Çelik M.S., 2013, Effect Of Sodium Poly Acrylic Acid (Na-Paa) As A Dispersant On Colemanite, XV Balkan Mineral Processing Congress, June 12-16, 2013, Sozopol, Bulgaria.
185. Hassas B.V., Güven O., Karakaş F., Çelik M.S., 2013, Recovery Of Petroleum Coke From Lime Calcinations Process Tailings, XV Balkan Mineral Processing Congress, June 12-16, 2013, Sozopol, Bulgaria.
186. Güven O., Hassas B.V., Karakaş F., 2013, The Usage Of Sodium Bentonite In Styrene Butyl Acrylate Composites XV Balkan Mineral Processing Congress, June 12-16, 2013, Sozopol, Bulgaria.
187. Hassas B.V., Karakaş F., Çelik M.S., 2013, “Substitution of TiO₂ with PCC (Precipitated Calcium Carbonate) in Waterborne Paints”, 23rd International Mining Congress&Exhibition of Turkey, April 16-19 2013, Antalya, Turkey.
188. Ersoy, Ö.F., Turgut, H., Güven, O., Çinku, K., Özdemir, O., Çelik, M.S. (2013). “Effect of Heat Treatment on the Flotation of Turkish Lignites in Brine Solution”, 10/2013, Water and Energy in Mineral Processing, Materials Science and Technology (MS&T), Montreal, Quebec, Canada, October 27-31.
189. Ozdemir, O., Cinku, K., Uslu, T., Kılıç, E., Celik M.S., (2013). “Flotation of Turkish coals in salt solutions”, XV Balkan Mineral Processing Congress, "The Wave of Changes in Processing and Recycling", Sozopol, Bulgaria, June 12 – 16.

190. Karataş, D., Tekin, A., Çelik, M.S., Implantation of Organic Molecules in the Tunnels of the Sepiolite, Dünya Kimya Kongresi (IUPAC) 11-16 Ağustos, 2013, İstanbul.
191. Şenol A.D., Çinku, K., Chen, H., Özdemir, O., Çelik, M.S., “Coating Mechanism of Gold Particles onto Sepiolite”, The 5th International Conference on Nanotechnology: Fundamentals and Applications, August 11-13, Prague, Czech Republic
192. Yeşilyurt, Z., Hassas, B.V. Boylu, F., Çelik, M.S, “Filtration Of Bituminous Coal Slime With Different HLB Non-Ionic Surfactants”, Proceedings of XIV th International Mineral Processing Symposium, October 15-17, 2014, Kuşadası, Turkey,889-895.
193. Şenol-Arslan, D., Karatas, D., Tosuncuk, S.H., Öztürk, M., Çinku, K., Özdemir, O., Çelik, M.S., “Application of density functional theory (DFT) to adsorption of azo dyes on modified sepiolite surfaces”, Proceedings of XIV th International Mineral Processing Symposium, October 15-17, 2014, Kuşadası, Turkey.
194. Turan Kılınç, Yakup Cebeci, Mehmet S. Çelik, “Utilization of Kalecik Bentonite in Casting Industry through Activation”, Proceedings of XIVth International Mineral Processing Symposium, October 15-17, 2014, Kuşadası, Turkey.
195. Hassas B.V., Karakas, F., Güven, O., Çelik, M.S., “Effect of Hydrophilic Lipophilic Balance (HLB) of Nonionic Surfactants on Ultrafine Lignite Dewatering”, IMPC 2014 ~ XXVII International Mineral Processing Congress, October, 20-24, 2014, Santiago-Chile.
196. Güven, O., Özdemir, O., Karaağaçlıoğlu, İ.E., and Çelik, M.S., “Contribution of roughness and shape factors on flotation of glass beads”, IMPC 2014 ~ XXVII International Mineral Processing Congress, October, 20-24, 2014, Santiago-Chile.
197. Boylu F., Karakaş F., Güven O., Karaağaçlıoğlu İ.E., Özdemir H., Çelik M.S., Çinku K., Çetinel T., Yalçın N., Işık F “Soma Bölgesine Ait Bazı Linyitlerin Gravite Bazlı Kuru Zenginleştirilmesi: Pilot Ölçekte Allair Jigi Uygulaması”, Türkiye 19.Kömür Kongresi, 21-23 Mayıs 2014, Zonguldak, Türkiye.
198. Boylu, F., Aykaç, U., Yiğitoğlu, C., Karakaş, F., Çelik, M.S., “Investigation of DP Controlled Discharging system on Beneficiation of Coals Through Pneumatic Jigs”, XVI Balkan Mineral Processing Congress, 237-241, 17-19 June 2015, Serbia, Belgrad.
199. Güven, O., Çelik, M.S., “Can Roughness of Particles Be Tuned to Get Maximum Flotation Recoveries? Flotation '15, Capetown, 16-19 November 2015.
200. Güven O., Karakaş F., Yaşar G., Çelik M.S., “Morphological Character of Blasted Talc Particles On Talc Flotation”, World Congress on Mechanical, Chemical, and Material Engineering (MCM'15), July 20-21 2015, Barcelona, Spain.
201. Karakaş, F., Hassas, B.V., Tekeli, H., Güven, O., Çelik, M.S., “Effect of Premixed TiO₂ and Calcite On Paint Production” 3rd International Symposium on Innovative Technologies in Engineering and Science”, p. 1336-1343, June 3-5, 2015, Valencia, Spain.
202. Karakaş, F., Boylu, F., Bentli, İ., Çelik, M.S., “Beneficiation of Şaphane Alunite by Flotation”, XVI Balkan Mineral Processing Congress, 539-542, 17-19 June 2015, Serbia, Belgrad.
203. Kouachi, S. Hassanzadeh, A., Bouhenguel, M., Hassas, B.V., Çelik, M.S., Contribution of interceptional effect to collision efficiency of particle bubble encounter in flotation, XVI Balkan Mineral Processing Congress, 339-345, 17-19 June 2015, Belgrad, Serbia.
204. Çalışkan, H., Hassas, B.V., Çınar, M., Çelik, M.S., Effect of roughness and shape factor on flotation recoveries of glass beads, XVI Balkan Mineral Processing Congress, 385-389, 17-19 June 2015, Belgrad, Serbia.
205. Şenol-Arslan, D., Özdemir, O., Çelik, M.S., Investigation of Thermal Behaviour of Hisarcık and Espey Colemanites, 18th International Metallurgy and Materials Congress, 431-434, Sept.29- Oct.1, 2016, İstanbul.
206. Kodrazi, N., Güven O., Karakaş F., Tarhan N., Çiftçi M., Caliskan H., Çelik M.S., The influence of particle morphology on the contact angle and surface free energy of quartz particles, XV International Mineral Processing Symposium, 518-524, October 19-21, 2016, İstanbul, Türkiye.
207. Karaağaçlıoğlu, İ.E., , Özyıldırım Ö., Karataş D., Özdemir O., Karakaş F., Boylu F., Çelik M.S., How Gangue Minerals in Colemanite Ore Affect Arsenic Removal During Its

- Calcination, XV International Mineral Processing Symposium, 790-800, October 19-21, 2016, İstanbul, Türkiye.
208. Hassanzadeh A, Tanışalı E., Vaziri Hassas B., Karakaş F., Çelik M.S., Effect of Particle Morphology on Coagulation of Silica, XXVIII International Mineral Processing Congress, Paper No. 227, September 11-15, 2016, Québec City, Canada.
209. T. Kiliç, T. Cebeci, Y., Çelik, M.S., Investigation of Physical Properties of Some Bentonite Sample, XV International Mineral Processing Symposium, 126-135, October 19-21, 2016 İstanbul, Türkiye.
210. Şenol-Arslan, D., Drelich, J.W., Özdemir, O., Çelik, M.S., Flotation and surface chemistry Determination of Isoelectric Point for Colemanite from AFM Force Measurements, XV International Mineral Processing Symposium, 426-434, October 19-21, 2016 İstanbul, Türkiye.
211. Bouhenguel, M., Kouachi, S., Hassanzadeh, A., Vaziri Hassas, B., Çelik, M.S., Investigation of The Effect of The Maximum Collision Angle on The Yoon-Luttrell Attachment, XV International Mineral Processing Symposium, 1040-1050, October 19-21, 2016 İstanbul, Türkiye.
212. Fırtına, B., Serdengeçti, M.T., Demircan, A., Karataş, D., Çelik, M.S., Mechanism of Na/K Ion Exchange on Microcline Surfaces Via Computational Thermodynamic Approach, XV International Mineral Processing Symposium 1051-1057, October 19-21, 2016 İstanbul, Türkiye.
213. Senol-Arslan, D., Drelich J.W., Özdemir, O., Çelik M.S., Odegard G.M., Determination of Crystal Structure of Colemanite Using Density Functional Theory (DFT), 6th International Conference on Computer Applications in the Minerals Industries (CAMI2016-55), 5-7 October 2016, Istanbul, Turkey.
214. Aydemir, T., Babacan, A., Güven, O., Karakaş, F., Çelik, M.S. Dewatering of phosphatic slimes by carbonate based particles, 4th International Symposium on Innovation and Technology in the Phosphate Industry (SYMPHOS 2017), May 8-10, 2017. Benguerir, Morocco.
215. Çelik, M.S., Karaağaçlıoğlu, İ.E. Perek, K.T., Effect of Physicochemical Heterogeneity on Floatability of Minerals, 3rd International Symp on Mineral Industry and Environment, Oct. 11-13, 2017, Annaba, Algeria.
216. Türk, T., Güven, O., Çelik, M.S., Colloidal Properties of Titaniumdioxide Stabilized Pickered Emulsions, Balkan Mineral Processing Congress, 305-310, Oct. 31, 2017, Antalya.
217. Tunç, B., Güven, O., Sevinç, S., Çelik, M.S., Particle-Bubble Interactions In Mica/Amine System Through DLVO Theory, Balkan Mineral Processing Congress, 445-452, Oct. 31, 2017, Antalya.
218. Karataş, D., Hojiyev, R., Çelik, M.S., Contact angle of montmorillonite basal surface as determined by experimental and molecular dynamics simulation, Balkan Mineral Processing Congress, 811-818, Oct. 31, 2017, Antalya.
219. Karataş, D., Karaağaçlıoğlu, İ.E., Eygi, M.S., Çelik, M.S., Flotation chemistry of a rare earth mineral: Bastnasite, Balkan Mineral Processing Congress, 435-444, Oct. 31, 2017, Antalya.
220. Karaağaçlıoğlu, İ.E., Güven, O., Boylu, F., Çelik, M.S., Is application of dry coal technology on Turkish lignites feasible for clean coal production?, International Energy Raw Materials Summit (INERMA), Sept. 27-30, 2017, Istanbul.
- 221.

V. SUNULMUŞ KONFERANS BİLDİRİLERİ VEYA ÖZLER

1. Çelik, M. S., Hanna, H. S. and Somasundaran, P., "Adsorption of Sulfonates and Correlation of the 'Maxima' with Flotation", Presented at the 108th AIME Annual Meeting, New Orleans, Feb. 1979.

2. Çelik, M. S, Somasundaran, P. and Ivanov, I. B., "On the Solubility and Precipitation of Dodecylbenzenesulfonate Salts in Oil Recovery Systems", Presented at the 3rd International Conference on Surface and Colloid Science, Stockholm, August 1979.
3. Graham, R. J., Çelik, M. S. and Somasundaran, P., "Effect of Pretreatment on the Flotation Properties of Coal", Presented at the 108th AIME Annual Meeting, New Orleans, Feb. 1979.
4. Austin, L. G., Gallagher E., Çelik, M. S., Shah, J. S. and Van Order, D. R., "Description of Breakage Parameters of Coal in Various Laboratory Comminution Machines", Presented at the 107th AIME Annual Meeting, Denver, Feb. 1978.
5. Çelik, M. S., Ananthapadmanabhan, K. P., Somasundaran, P., and Manev, E. D., "Mechanism of Dissolution of Calcium Sulfonate Precipitates by Micelles--Role of Counterion Binding", Presented at ACS 55th Colloid and Surface Science Symposium, Cleveland, 1981.
6. Somasundaran P., Çelik, M.S. and Viswanathan, K. V., "Coadsorption of Sulfonates and Oils on Mineral Solids", Presented in Gordon Conferences, Fluids in Permeable Media, New Hampshire, August 1981.
7. Weisner, F., Çelik, M. S., Viswanathan, K. V., and Somasundaran, P., "Chemical and Morphological Studies of Calcium and Sodium Sulfonate Precipitates", Presented at 184th American Chemical Society National Meeting, New York, Sept. 1982.
8. Çelik, M. S., "Effect of Multivalent Ions on the Flotation of Coal", Presented at the 113th AIME Annual Meeting, Los Angeles, Feb. 1984.
9. Çelik, M. S., "Chemical Loss Mechanisms in Micellar Flooding Systems", Presented at SPE Aramco Symposium, Dhahran, Saudi Arabia, May 1984.
10. Çelik, M. S. and Yoon, R. H., "Adsorption of Nonionic Surfactants on Coal", Presented at American Chemical Society National Meeting on Surfactants in Mineral and Material Systems, New York, April 1986.
11. Yildirim, I., Çelik, M.S., Gurkan, V. and Onal, G., "Concentration of Fluorite Ores by Flotation Using Oleoyl Sarcosine as Collector", Presented at 7th Isparta Engineering Conference, May 1992 (In Turkish).
12. Onal, G., Mustafaev, I., Asmatulu, R., Yildirim, I., Acarkan, N., Çelik, M.S., "Desulfurization of Turkish Coals by Semicoking (in Turkish)" Presented at 8th Isparta Engineering Conference, May 1994.
13. Çelik, M.S., Onal, G. and Acarkan, N., "Characteristics of Istanbul Region Lignites and Alternative Processing Technologies, *Orhan Semerkant Sempozyum* (In Turkish)", 25-27 March, 1995.
14. Arslan F., Üster F., Çelik M.S., 'Atık Sulardan Sepiyolit ile Kobaltın Uzaklaştırılması' XI. Mühendislik Haftası Yerbilimleri Sempozyumu, 20-23 Ekim 1999, Isparta.
15. Çelik, M.S., Hançer, M., Miller, J.D., Flotation Chemistry of Boron Minerals, International Symposium on Surfactants in Solution, SIS 2001, June 11-16, 2000 Gainesville, Florida USA.
16. Sabah, E., Özdemir, O., Armağan, B., Çelik, M.S. (2002) "Elimination of Pollutants In Wastewater By Sepiolite" International Conference Environmental Problems of The Mediterranean Region, 12-15 April 2002 Nicosia, North Cyprus.
17. Yüzer, H., Çelik, M.S. & Karahan, S., 2007. "Türkiye Bentonitlerinden Teknolojik Ürünlerin Elde Edilmesi", XIII. Kil sempozyumu, Isparta. (Sadece sunu yapılmıştır.)
18. KARAGÜZEL, C., BOYLU, F., ÇİNKU, K., KARAKAŞ, F., ÇELİK, M. S., "Different Mechanisms for the Activation Phenomena of Bentonites" XIV International Clay Conference, Micro et Nano, Book of Abstract, 14-20 June, Castellaneta Marina, Italy Ed., S. Fiore, C. Belviso, M.L. Giannossi
19. ÇINAR, M., ERSEVER, G., ŞAHBAZ, O, ÇELİK, M. S., "Sepiolite Calcium Interactions In Desiccant Clay Production", XIV International Clay Conference, Micro et Nano, Book of Abstract, 14-20 June, Castellaneta Marina, Italy Ed., S. Fiore, C. Belviso, M.L. Giannossi
20. BENLİ, B., CAN, M. F., ÇELİK, M. S., "Advantages and Limitations of Various Imaging Techniques for Identifying Organic and Inorganic Fibers", International Conference on Nanomaterials and Nanosystems (NanoMats2009), ITU, 10-13 August.

21. BENLİ, B., CAN, M. F., ORUÇ, F., DEMİR, A., ÇELİK, M. S., "Electrospinning of Polyurethane/ Modified Sepiolite Nanocomposites" Nanotech Europe 2009, Nanotechnology Conference and Exhibition, 28 - 30 September 2009, Berlin, Germany.,
22. BENLİ, B., NALASKOWSKI, J., ÇELİK, M. S., MİLLER, J .D., "Atomik Kuvvet Mikroskopu Kolloidal Prob Tekniği İle Aljinat- Kil Nanobiokompozit Etkileşimlerinin İncelenmesi", 01/2009, İ.T.Ü. Nano-Bilim ve Nano-Teknoloji Çalıştay, İstanbul, 12-13 Şubat
23. ÇELİK, M. S., BENLİ, B., BOYLU, F., CAN, M. F., KARAKAŞ, F., GÜVEN, O., "Cevher Hazırlama Bölümünde Nanoteknolojik Çalışmalar: Yüzey ve Kolloid Kimyası Araştırma Grubu", 01/2009, İ.T.Ü. Nano-Bilim ve Nano-Teknoloji Çalıştay, İstanbul, 12-13 Şubat
24. BENLİ, B., CAN, M. F., ÇELİK, M. S., "Improving the Compatibility of Fibrous Nanoclays in Nanocomposites", 5. Ulusal Nanobilim ve Nanoteknoloji Konferansı (NanoTR5), Anadolu Üniversitesi, Eskişehir, 08-12 Haziran
25. Güven, O., Kaya, M.A., Yıldırım, H., Çelik, M.S., "Kalsiyum Bentonit Katkılı Stiren Bütil Akrlat Kopolimer Esaslı Nanokompozit Üretimi ve Karakterizasyonu", 02/2009, İstanbul Teknik Üniversitesi, Nano-Bilim ve Nano-Teknoloji Çalıştay, İstanbul, 12.02.2009 - 13.02.2009.
26. Kaya, M.A. Güven, O., Yıldırım, H., Çelik, M.S., "Kalsiyum Bentonit Katkılı Stiren Bütil Akrlat Kopolimer Esaslı Nanokompozit Üretimi ve Karakterizasyonu", 06/2009, Cumhuriyet Üniversitesi, XXIII. Ulusal Kimya Kongresi, Sivas, 16.06.2009 - 20.06.2009
- 27.

VI. Reports, Comments, Editorial

1. Dogan, M.Z. and Çelik, M. S., " Report on Third International Mineral Processing Symposium, Sept. 11-13, 1990", International J. of Mineral Processing, 31, 310-303(1991).
2. Proceedings of Third International Mineral Processing Symposium, İstanbul, 11-13 Sept.. 1990, Eds. Onal, G., Dogan, Z., Kaytaz, Y., and Çelik, M.S., 1990.
3. Associate Editor of COAL:Resources, Properties, Utilization, Pollution, Kurtis Press, 1994.
4. Doğan, M.Z. and Çelik, M.S., " Report on 6th International Mineral Processing Symposium", Kuşadası, Turkey, Sept., 24-26, 1996, Minerals Engineering, 10, 120-122 (1997).
5. Innovations in Mineral and Coal processing, Proceedings of 7th International Mineral Processing Symposium, Eds. Atak, S., Onal, G., Çelik, M.S., Balkema, Rotterdam, 1998.
6. New Developments in Mineral Processing, Proceedings of 9th Balkan Mineral processing Congress, Eds. Onal, G., Atak, S., Güney, A., Çelik, M.S. and Yüce, E., Beril Ofset, İstanbul-Turkey.
7. Paper and proposal Reviews for J. Colloid and Interface Science, J. Colloid and Polymer science, Minerals and Metallurgical Processing, Arabian J. for Science and Engineering, King Abdulaziz City for science and Engineering.

VII. Book

1. Sabah, E.and Çelik, M.S., Sepiolite: Formation, Properties and Utilization (In Turkish), Radar Printing, Konya, ISBN : 975-94312-0-3, 168 pp, 1998.