

## Assoc. Prof. Müge SARI YILMAZ

### Personal Information

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### Education Information

Doctorate, Yıldız Teknik Üniversitesi, Kimya Metalurji, Kimya Mühendisliği, Turkey 2008 - 2013

Postgraduate, Yıldız Teknik Üniversitesi, Kimya Metalurji Fakültesi, Kimya Mühendisliği, Turkey 2005 - 2008

Undergraduate, Yıldız Teknik Üniversitesi, Kimya Metalurji, Kimya Mühendisliği, Turkey Continues

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Vocational Training, Author Workshop - Efficient Research Publishing Preparation, Elsevier, 2020

Vocational Training, Temel Kemometri Eğitimi, Akdeniz Üniversitesi Eğitim Fakültesi Eğitim Yönetimi ve Planlama, 2012

Vocational Training, School of Molecular Sieves 2012, J. Heyrovsky Institute of Physical Chemistry, 2012

Vocational Training, Calorimetry Summer School, IRCELYON: Institute of Researches on Catalysis and Environment in Lyon, 2010

### Dissertations

Doctorate, Farklı Silika Kaynaklarından SBA-15 Üretimi, Karakterizasyonu ve Uygulama Alanının İncelenmesi, Yıldız Teknik Üniversitesi, Kimya Metalurji, Kimya Mühendisliği, 2013

Postgraduate, Kernit Mineralinden Sodyum Borhidrür (NaBH)<sub>4</sub> Üretimi ve Üretim Mekanizmasının İncelenmesi, Yıldız Teknik Üniversitesi, Kimya Mühendisliği, Kimya Mühendisliği, 2008

### Research Areas

Chemical Engineering and Technology, Chemical Technologies, Environmental Chemistry and Technology, Inorganic Technologies, Chemical Reaction Engineering, Mass Transfer, Polymers and Their Applications, Composites

### Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2018 - Continues

Medical Doctor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2013 - 2018

## Courses

Kimya Mühendisliği Lab III, Undergraduate, 2019 - 2020, 2020 - 2021

Physical Chemistry , Undergraduate, 2020 - 2021

İleri Organik Teknolojiler, Doctorate, 2019 - 2020, 2020 - 2021

Kimya Mühendisliği Hesaplamaları, Undergraduate, 2019 - 2020, 2020 - 2021

İleri İnorganik Teknolojiler, Doctorate, 2019 - 2020

## Advising Theses

Sarı Yılmaz M., Preparation of Novel Bio-Based Adsorbent for Fast and Selective Adsorption of Various Dyes, Postgraduate, H.Ahmad(Student), Continues

Sarı Yılmaz M., İLAÇ SALIM SİSTEMİ OLARAK NANOTAŞIYICILARIN SENTEZİ VE UYGULAMALARI, Postgraduate, A.Sena(Student), Continues

SARI YILMAZ M., DÜZENLİ YAPIDA MEZOGÖZENEKLİ KARBONLARIN ÜRETİLMESİ VE KULLANIM ALANININ İNCELENMESİ, Postgraduate, S.Ertürk(Student), 2016

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Potential low-cost carbon-based adsorbent from gold mine tailings for anionic dye removal**  
Erturk S., Sarı Yılmaz M., Pişkin S.  
Water Science And Technology, vol.83, no.6, pp.1300-1314, 2021 (Journal Indexed in SCI Expanded)
- II. **The CO<sub>2</sub> adsorption performance of aminosilane-modified mesoporous silicas**  
Yılmaz M.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 2021 (Journal Indexed in SCI)
- III. **Synthesis and characterization of a ROMP-based polycationic antimicrobial hydrogel**  
PALANTOKEN A., Yılmaz M., Unubol N. A. , Yenigul E., Piskin S., EREN T.  
EUROPEAN POLYMER JOURNAL, vol.112, pp.365-375, 2019 (Journal Indexed in SCI)
- IV. **Low-Cost Synthesis of Organic-Inorganic Hybrid MSU-3 from Gold Mine Waste for CO<sub>2</sub> Adsorption**  
Yılmaz M., KARAKAS S. B.  
WATER AIR AND SOIL POLLUTION, vol.229, no.10, 2018 (Journal Indexed in SCI)
- V. **Thermal analysis applied for the removal of surfactant from mesoporous molecular sieves MCM-41 synthesized from gold mine tailings slurry**  
Yılmaz M., Degitz I. A. , Piskin S.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.130, no.2, pp.727-734, 2017 (Journal Indexed in SCI)
- VI. **RECYCLE OF GOLD MINE TAILINGS SLURRY INTO MCM-41 MESOPOROUS SILICA WITH HIGH SPECIFIC SURFACE AREA**  
Degitz I. A. , Yılmaz M., PİŞKİN S.  
CHEMICAL INDUSTRY & CHEMICAL ENGINEERING QUARTERLY, vol.23, no.4, pp.581-588, 2017 (Journal Indexed in SCI)
- VII. **The synthesis of silica-based aerogel from gold mine waste for thermal insulation**  
MERMER N. K. , Yılmaz M., Ozdemir O. D. , PİŞKİN M. B.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.129, no.3, pp.1807-1812, 2017 (Journal Indexed in SCI)
- VIII. **Synthesis of novel amine modified hollow mesoporous silica@Mg-Al layered double hydroxide composite and its application in CO<sub>2</sub> adsorption**  
Yılmaz M.  
MICROPOROUS AND MESOPOROUS MATERIALS, vol.245, pp.109-117, 2017 (Journal Indexed in SCI)
- IX. **Dual antimicrobial effects induced by hydrogel incorporated with UV-curable quaternary ammonium**

### **polyethyleneimine and AgNO<sub>3</sub>**

PALANTOKEN A., Yilmaz M., Yapaoz M., Tulunay E. Y. , EREN T., Piskin S.

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.68, pp.494-504, 2016  
(Journal Indexed in SCI)

- X. **Conversion of fly ashes from different regions to mesoporous silica: effect of the mineralogical composition**  
Yilmaz M., Mermer N. K.  
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.78, pp.239-247, 2016 (Journal Indexed in SCI)
- XI. **Release of flurbiprofen using of SBA-15 mesoporous silica: Influence of silica sources and functionalization**  
Yilmaz M., PALANTOKEN A., Piskin S.  
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.437, pp.80-86, 2016 (Journal Indexed in SCI)
- XII. **The removal of template from SBA-15 samples synthesized from different silica sources**  
Yilmaz M., Piskin S.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.121, no.3, pp.1255-1262, 2015 (Journal Indexed in SCI)
- XIII. **The kinetics and thermodynamics of nickel adsorption from galvanic sludge leachate on nanometer titania powders**  
Yilmaz M., Ozdemir O. D. , Kasap S., Piskin S.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.41, pp.1499-1515, 2015 (Journal Indexed in SCI)
- XIV. **Characterization and thermal dehydration kinetics of admontite mineral hydrothermally synthesized from magnesium oxide and boric acid precursor**  
Derun E., Kıpçak A. S. , Senberber F. T. , Yilmaz M.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.41, pp.853-866, 2015 (Journal Indexed in SCI)
- XV. **Study on the dehydration kinetics of tunellite using non-isothermal methods**  
Yilmaz M., Figen A., Piskin S.  
Research on Chemical Intermediates, vol.41, pp.1893-1906, 2015 (Journal Indexed in SCI Expanded)
- XVI. **Evaluation of novel synthesis of ordered SBA-15 mesoporous silica from gold mine tailings slurry by experimental design**  
Yilmaz M., Piskin S.  
JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, vol.46, pp.176-182, 2015 (Journal Indexed in SCI)
- XVII. **Synthesis and characterization of MCM-41 with different methods and adsorption of Sr<sup>2+</sup> on MCM-41**  
Yilmaz M., Ozdemir O. D. , Piskin S.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.41, no.1, pp.199-211, 2015 (Journal Indexed in SCI)
- XVIII. **Thermal behavior and dehydroxylation kinetics of naturally occurring sepiolite and bentonite**  
Yilmaz M., KALPAKLI Y., Piskin S.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.114, no.3, pp.1191-1199, 2013 (Journal Indexed in SCI)
- XIX. **Preparation, characterization and thermal dehydration kinetics of titanate nanotubes**  
Yilmaz M., Kasap S., Piskin S.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.112, no.3, pp.1325-1333, 2013 (Journal Indexed in SCI)
- XX. **Effect of Heat Treatment on the Structural Characteristics and Dehydroxylation Kinetics of the Tunellite**  
Yilmaz M., Piskin S.  
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.34, no.3, pp.526-532, 2012 (Journal Indexed in SCI)
- XXI. **Production of sodium metaborate tetrahydrate (NaB(OH)<sub>4</sub>·2H<sub>2</sub>O) using ultrasonic irradiation**  
Yilmaz M., Figen A., Piskin S.

POWDER TECHNOLOGY, pp.166-173, 2012 (Journal Indexed in SCI)

XXII. **Structural characterization and dehydration kinetics of Kirka inderite mineral: Application of non-isothermal models**

Figen A., Yilmaz M., Piskin S.

Materials Characterization, vol.61, pp.640-647, 2010 (Journal Indexed in SCI Expanded)

XXIII. **Synthesis, crystal structure and dehydration kinetics of NaB(OH) 4•2H2O**

Kanturk A., Sari M., Piskin S.

Korean Journal of Chemical Engineering, vol.25, pp.1331-1337, 2008 (Journal Indexed in SCI Expanded)

## Articles Published in Other Journals

I. **Kinetics of Thermal Decomposition of Howlite Mineral at Different Heating Rates**

Arslan Şen G., Sarı Yılmaz M., Derun E.

Sigma Journal of Engineering and Natural Sciences, no.1, pp.1-8, 2021 (Journal Indexed in ESCI)

II. **A Study of CO<sub>2</sub> Adsorption Behaviour and Kinetics on KIT-6**

Sarı Yılmaz M.

Avrupa Bilim ve Teknoloji Dergisi, no.19, pp.48-55, 2020 (Other Refereed National Journals)

III. **Comparative Study on Two Different Methods for the Synthesis of Hydrated Sodium Metaborates**

Sarı Yılmaz M., Pişkin S.

Karaelmas Fen ve Mühendislik Dergisi, vol.7, no.2, pp.563-567, 2017 (National Refreed University Journal)

IV. **Amin Grupları ile Fonksiyonelleştirilmiş MCM-41 Mezogözenekli Silika Üzerine CO<sub>2</sub> Adsorpsiyonu**

Sarı Yılmaz M.

Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, no.3, pp.961-966, 2017 (National Refreed University Journal)

V. **Preparation of Gas Concrete Materials from Various Industrial Waste**

Karamahmut Mermer N., Sarı Yılmaz M., Pişkin S.

Sigma Journal of Engineering and Natural Sciences, vol.34, no.4, pp.567-575, 2016 (Journal Indexed in ESCI)

VI. **METAL ve METALOKSİT NANOPARTİKÜLLERİNİ İÇEREN HİDROJELLERİN ANTİMİKROBİYAL ÖZELLİKLERİNİN İNCELENMESİ**

Palantöken A., Sarı Yılmaz M., Altıkatoğlu Yapaöz M., Pişkin S.

Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.18, pp.224-238, 2016 (Other Refereed National Journals)

VII. **Synthesis of TiO<sub>2</sub> Nanoparticles by Sol-Gel and Sonochemical Combination**

PİŞKİN S., KASAP S., SARI YILMAZ M.

International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering, vol.10, no.1, pp.116-119, 2016 (Refereed Journals of Other Institutions)

VIII. **The Synthesis of MSU-X Mesoporous Materials from Sodium Silicate**

Karamahmut Mermer N., Karakaş S. B. , Sarı Yılmaz M.

Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.11, pp.401-404, 2015 (Other Refereed National Journals)

IX. **The Effect of Acid Concentration on the Synthesis of Hydrophobic Silica Based Aerogels**

Sarı Yılmaz M., Dere Özdemir Ö., Karamahmut Mermer N., Pişkin M. B.

Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.11, pp.405-408, 2015 (Other Refereed National Journals)

X. **Investigation of Antibacterial properties of Hydrogel Containing Synthesized TiO<sub>2</sub> Nanoparticles**

Palantöken A., Altıkatoğlu Yapaöz M., Sarı Yılmaz M., Pişkin S.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.33, pp.1-7, 2015 (Journal Indexed in ESCI)

XI. **The Preparation of Silicon and Aluminum Extracts from Tuncbilek and Orhaneli Fly Ashes by Alkali Fusion**

SARI YILMAZ M., KARAMAHMUT MERMER N.

International Journal of Chemical, Nuclear, Materials and Metallurgical Engineering, vol.9, no.5, pp.512-515, 2015

(Refereed Journals of Other Institutions)

- XII. **INVESTIGATION OF ANTIBACTERIAL PROPERTIES OF HYDROGEL CONTAINING SYNTHESIZED TiO<sub>2</sub> NANOPARTICLES**  
Palantoken A., Yilmaz M., Yapaoz M. A., PiŞKİN S.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.33, no.1, pp.1-7, 2015 (Journal Indexed in ESCI)
- XIII. **Extraction of Silicon Dioxide from Tailings Slurry of Gold Mine Treatment Plant by Alkali Fusion Technique**  
SARI YILMAZ M., PiŞKİN S.  
International Journal of Chemical, Environmental and Biological Sciences, vol.1, no.3, pp.211-213, 2013 (Refereed Journals of Other Institutions)
- XIV. **Application of FTIR Spectroscopy Coupled with Attenuated Total Reflectance for the Determination of Trimethyl Borate**  
PiŞKİN M. B. , SARI YILMAZ M.  
International Journal of Biological, Ecological and Environmental Sciences (IJBEES), vol.1, pp.188-191, 2012 (Refereed Journals of Other Institutions)
- XV. **Non-isothermal Dehydroxylation Kinetics and Compensation Effect of Tunellite Mineral**  
Sarı Yılmaz M., Pişkin S.  
International Review of Chemical Engineering (IRECHE), vol.3, no.1, pp.125-127, 2011 (Other Refereed National Journals)
- XVI. **Investigations of the non-isothermal kinetics of Inyoite**  
SARI YILMAZ M., ARSLAN G., TUĞRUL N., PiŞKİN M. B. , DERUN E.  
2009 Annual Bulletin of the Australian Institute of High Energetic Materials, vol.1, pp.63-67, 2010 (Refereed Journals of Other Institutions)
- XVII. **Synthesis of Trimethyl Borate (TMB): As A Starting Material In Production of Sodium Borohydride (NaBH<sub>4</sub>) Hydrogen Storage Medium**  
Sarı Yılmaz M., Pişkin S.  
International Review of Chemical Engineering (IRECHE), vol.2, pp.319-321, 2010 (Refereed Journals of Other Institutions)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Silika Xerojel Sentezi Ve Karakterizasyonu**  
Nour W. T. M. , Sarı Yılmaz M.  
14. Ulusal Kimya Mühendisliği Kongresi, Konya, Turkey, 10 - 12 June 2021, pp.1
- II. **Kalsine Yumurta Kabuğunun Karakterizasyonu**  
Sezgin D., Prezza A., Sarı Yılmaz M.  
14. Ulusal Kimya Mühendisliği Kongresi, Konya, Turkey, 10 - 12 June 2021, pp.1
- III. **Ultrason Destekli Grafen Oksit Sentezi ve Karakterizasyonu**  
Arslan E., Coşkun M. T. , Sarı Yılmaz M.  
14. Ulusal Kimya Mühendisliği Kongresi, Konya, Turkey, 10 - 12 June 2021, pp.1
- IV. **SYNTHESIS AND CHARACTERIZATION OF MESOPOROUS CARBON CMK-3**  
ERTURK S., SARI YILMAZ M., PiŞKİN S.  
3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017, 19 - 21 December 2017
- V. **CO<sub>2</sub> Adsorption on MCM-41 Mesoporous Silica**  
SARI YILMAZ M.  
3rd INTERNATIONAL CONFERENCE ONENGINEERING AND NATURAL SCIENCES, 3 - 07 May 2017
- VI. **THE SYNTHESIS OF ORDERED MESOPOROUS KIT-6**  
Tolu M., SARI YILMAZ M.  
1th INTERNATIONAL CONFERENCE ON ENERGY ANDTHERMAL ENGINEERING, 25 - 28 April 2017

- VII. **SYNTHESIS OF FUNCTIONALIZED MCM-41 MESOPOROUS SILICA**  
Mermer N. K. , Yilmaz M.  
International Conference of Central-Bohemia-University (CBUIC) - Innovations in Science and Education, Prague, Czech Republic, 22 - 24 March 2017, vol.5, pp.1164-1168
- VIII. **Synthesis of Mesoporous Silica MCM 41 from Sand**  
Mermer Karamahmut N., SARI YILMAZ M.  
INTERNATIONAL ACADEMIC RESEARCH CONGRESS, 3 - 05 November 2016
- IX. **The Preparation Of MSU X Mesoporous Silica**  
KARAKAŞ S. B. , SARI YILMAZ M.  
INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING- ICAME'16, 10 - 13 May 2016
- X. **Investigation Of Properties Of Hydrophobic Aerogel**  
KARAMAHMUT MERMER N., SARI YILMAZ M., DERE ÖZDEMİR Ö., PİŞKİN M. B.  
INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, 10 - 13 May 2016
- XI. **The Synthesis Of MCM 41 Mesoporous Silica From Water Glass**  
ŞAHİN T. C. , SARI YILMAZ M., PİŞKİN S.  
INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING- ICAME'16, 10 - 13 May 2016
- XII. **Characterization of Hydrophobic Aerogel for Insulation Application**  
Pişkin M. B. , Karamahmut N., Sari Yılmaz M., Dere Özdemir Ö.  
TMS 20155 144th Annual Meeting&Exhibition, Florida, United States Of America, 15 - 19 March 2015, pp.12
- XIII. **Effect of pH and Aging Temperature on The Synthesis of Silica Based Aerogel**  
KARAMAHMUT MERMER N., SARI YILMAZ M., DERE ÖZDEMİR Ö., PİŞKİN M. B.  
Bio Engineering Conference, 27 - 29 November 2014
- XIV. **Hydrogel Synthesis Incorporated with UV Curable Quaternary Ammonium Polyethyleneimine**  
PALANTÖKEN A., SARI YILMAZ M., ALTIKATOĞLU YAPAÖZ M., EREN T., PİŞKİN S.  
Bio Engineering Conference, 27 - 29 November 2014
- XV. **Kurutma Koşullarının Aerojel Üretimine Etkisi**  
ERTÜRK S., KARAMAHMUT MERMER N., SARI YILMAZ M., PİŞKİN M. B.  
11.Ulusal Kimya Mühendisliği Kongresi, Turkey, 2 - 05 September 2014
- XVI. **Antimicrobial Activity of Synthesized TiO<sub>2</sub> Nanoparticles**  
PİŞKİN S., Palantöken A., SARI YILMAZ M.  
International Conference on Emerging Trends in Engineering and Technology (ICETET'2013), 7 - 08 December 2013
- XVII. **CO<sub>2</sub> Adsorption on Zeolite X**  
DERE ÖZDEMİR Ö., SARI YILMAZ M., KARAMAHMUT MERMER N., PİŞKİN S.  
International Porous and Powder Materials Symposium and Exhibition, 3 - 09 September 2013
- XVIII. **The Preparation of Silicon and Aluminum Alkali Extracts from Fused Turkish Coal Fly Ashes**  
PİŞKİN M. B. , SARI YILMAZ M.  
16th IFAC Symposium on Automation in Mining, Mineral and Metal Processing, 25 - 28 August 2013
- XIX. **A Study on the Synthesis of MCM-41**  
KARAMAHMUT MERMER N., SARI YILMAZ M., DERE ÖZDEMİR Ö., PİŞKİN S.  
1st International Symposium on Innovative Technologies for Engineering and Science, 7 - 09 June 2013
- XX. **Synthesis and Characterization of Ordered Mesoporous Silica SBA-15**  
PİŞKİN S., SARI YILMAZ M.  
UCTM-2013 Anniversary Scientific Conference with International Participation, 4 - 05 June 2013
- XXI. **Synthesis and Characterization of Ordered Mesoporous Silica MCM-41**  
SARI YILMAZ M., PİŞKİN S.  
School of Molecular Sieves, 1 - 03 April 2012
- XXII. **Comparative Study on Classical and Ultrasound-Assisted Methods for Production of Sodium Metaborate**  
SARI YILMAZ M., MARŞOĞLU M., PİŞKİN S.  
17th International Symposium on Boron, Borides and Related Materials, 11 - 17 September 2011

- XXIII. **Production of Methyl Borate for Sodium Borohydride (NaBH<sub>4</sub>): Hydrogen Storage Medium**  
PİŞKİN S., SARI YILMAZ M.  
International Conference on Chemistry and Chemical Process, 7 - 09 May 2011
- XXIV. **The Removal of Nickel from Leachate of Galvanic Sludge with Titanium Dioxide**  
Sarı Yılmaz M., Kasap S., Dere Özdemir Ö., Pişkin S.  
TMS 2011 Annual Meeting & Exhibition, California, United States Of America, 27 February - 03 March 2011
- XXV. **Evaluation of the Toxicity Characteristic Leaching Procedure (TCLP) of Galvanic Sludge**  
PİŞKİN M. B. , SARI YILMAZ M.  
25th International Conference on Solid Waste Technology and Management, 14 - 17 March 2010
- XXVI. **Investigation of Methyl Borate Production from Different Boron Compounds**  
SARI YILMAZ M., DERE ÖZDEMİR Ö., PİŞKİN S.  
6th Chemical Engineering Conference For Collaborative Research in Eastern Mediterranean Countries, 7 - 12 March 2010
- XXVII. **Kinetic Study of the Thermal Dehydration of Inyoite Mineral**  
Sarı Yılmaz M., Arslan G., Tuğrul N., Pişkin M. B. , Derun E.  
2009 Multilingual Interdisciplinary Conference on Chemical, Mechanical and Materials Engineering, Melbourne, Australia, 7 - 20 December 2009, pp.181-184
- XXVIII. **Study of Dehydration Kinetics of Tunellite and Theta Rule**  
SARI YILMAZ M., PİŞKİN M. B.  
4th International Boron Symposium, 15 - 17 October 2009
- XXIX. **Characterization of Waste Magnesium Chip: As a Hydrogen Storage Material**  
KANTÜRK A., SARI YILMAZ M., FİGEN H. E. , PİŞKİN M. B.  
HYdrogen POver THEoretical Engineering Solutions Industrial Symposium 2009 (HYPOTHESIS VIII Lisboa 2009), LÍZBON, Portugal, 1 - 03 April 2009
- XXX. **Production of Sodium Metaborate NaBO<sub>2</sub> Under Ultrasonic Conditions**  
SARI YILMAZ M., KANTÜRK A., PİŞKİN S.  
7th International Industrial Minerals Symposium and Exhibition, 25 - 27 February 2009
- XXXI. **Investigation of Dehydration Kinetic and Kinetic Compensation Effect (KCE) of Inderite Mineral**  
KANTÜRK FİGEN A., SARI YILMAZ M., PİŞKİN S.  
7th International Industrial Minerals Symposium and Exhibitions, 25 - 27 February 2009
- XXXII. **Crystal Structure Refinement of Waste-Chip Magnesium by Rietveld Analysis of X-Ray Powder Diffraction Data**  
KANTÜRK FİGEN A., SARI YILMAZ M., PİŞKİN M. B. , DERE ÖZDEMİR Ö., FİGEN H. E.  
XXI Congress of the International Union of Crystallography, 23 - 31 August 2008
- XXXIII. **The crystal phase characterization of by-products from sodium borohydride (NaBH<sub>4</sub>) production via high and low pressure process (HPP-LPP) by XRD analysis**  
SARI YILMAZ M., KANTÜRK FİGEN A., DERE ÖZDEMİR Ö., FİGEN H. E. , PİŞKİN S.  
XXI Congress of the International Union of Crystallography, 23 - 31 August 2008
- XXXIV. **Determination of thermal treatment temperature of metal plating sludge by crystal phase identification: X-ray diffraction technique**  
DERE ÖZDEMİR Ö., PİŞKİN M. B. , KANTÜRK FİGEN A., SARI YILMAZ M.  
XXI Congress of the International Union of Crystallography, 23 - 31 August 2008
- XXXV. **H<sub>2</sub>SO<sub>3</sub> Leaching Characteristics of Toxic Metals Recovery From Plating Sludge**  
Dere Ö., Kantürk A., Sarı M., Pişkin S.  
Global Conference on Global Warming (GCGW-08), İstanbul, Turkey, 6 - 10 July 2008, pp.26-34
- XXXVI. **Characterization of Metal Plating Sludge to Identify It's Enviromental Risky**  
DERE ÖZDEMİR Ö., SARI YILMAZ M., KANTÜRK FİGEN A., PİŞKİN S.  
Global Conference on Global Warming, 6 - 10 July 2008
- XXXVII. **Preparation of Kernite Based Borosilicate Glass as a Starting Material for NaBH<sub>4</sub> Production**  
SARI M., KANTÜRK A., DERE Ö., PİŞKİN S.  
The International Youth Science Environmental Forum (ECOBALTICA 2008), 26 - 28 June 2008

- XXXVIII. **The Effect of Thermal Treatment On Chemical And Physical Properties In Galvanic Sludge: Prevent Ecological Impact On Bioenvironment**  
DERE ÖZDEMİR Ö., PIŞKİN M. B. , SARI YILMAZ M., KANTÜRK FİGEN A.  
The Seventh International Youth Environmental Forum of Baltic Region Countries ECOBALTICA, 26 - 28 June 2008
- XXXIX. **Mechanical Milling Study Of Waste-Chip Magnesium: Effects On Specific Surface Area And Microstructure**  
KANTÜRK FİGEN A., SARI YILMAZ M., DERE ÖZDEMİR Ö., PIŞKİN S.  
The Seventh International Youth Environmental Forum of Baltic Region Countries ECOBALTICA, 26 - 28 June 2008
- XL. **FT IR ATR Spektroskopisi Tekniğiyle Sodyum Metaboratın NaBO<sub>2</sub> Kalitatif ve Kantitatif Analizi**  
SARI YILMAZ M., KANTÜRK FİGEN A., PIŞKİN S.  
II.Ulusal Bor Çalıştayı, Turkey, 17 - 18 April 2008
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