

**MEHMET
BURCIN
PIŞKIN**

PROF.

Email : mpiskin@yildiz.edu.tr

Address : Davutpaşa mah.

Davutpaşa caddesi Yıldız
Teknik Üniversitesi Davutpaşa
Kampüsü Kimya-Metalurji
Fakültesi Biyomühendislik
Bölümü A-141 Esenler/
İstanbul

International Researcher

IDs

ScholarID: Sfz_8-AAAAAJ

ORCID: 0000-0002-2689-
8547

Publons / Web Of Science

ResearcherID: AAZ-4797-
2020

ScopusID: 8611674600

Yoksis Researcher ID: 175124

Education

Doctorate 2001 - 2006	Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Kimya Mühendisliği, Turkey
Postgraduate 2001 - 2003	Marmara University, Institute Of Social Sciences, Department Of Business Administration, Turkey
Postgraduate 1999 - 2001	Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Kimya Mühendisliği, Turkey
Undergraduate 1995 - 1999	Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Metalurji Malzeme Mühendisliği, Turkey

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

- Quality Management, ISO 22000:2018 Food Safety Management System Lead Auditor Training Course, Exemplar Global - Etki Akademi, 2024
- Quality Management, ISO 50001:2018 Energy Management System Lead Auditor Training Course, Exemplar Global - Etki Akademi, 2024
- Quality Management, ISO/IEC 27001:2022 Information Security Management System Lead Auditor Training Course, Exemplar Global - Etki Akademi, 2024
- Quality Management, ISO 19011:2018 Yönetim sistemleri Tetkik Kılavuzu Standardı Kapsamında EN ISO/IEC 17025:2017 Deney ve Kalibrasyon Laboratuvarlarının Yetkinliği için Genel Gereklilikler Standardı İç Denetçi Eğitimi, TB Belgelendirme, 2021
- Quality Management, TS EN ISO/IEC 17025:2017 Deney ve Kaibrasyon Laboratuvarlarının Yeterliliği için Genel Şartlar Standart, TB Belgelendirme, 2021
- Quality Management, ISO 20121:2012 Etkinlik Sürdürülebilirlik Yönetim Sistemleri Temel, TB Belgelendirme, 2021
- Quality Management, ISO 5001:2018 Enerji Yönetim Sistemleri Temel, TB Belgelendirme, 2020
- Quality Management, ISO 27001:2013 Bilgi Güvenliği Yönetim Sistemleri Temel, TB Belgelendirme, 2020
- Quality Management, QUALITY MANAGEMENT SYSTEMS AUDITOR, EXAMPLAR GLOBAL, 2020
- Quality Management, LEAD AUDITOR IN QUALITY MANAGAMENT SYSTEMS AUDITOR, EXAMPLAR GLOBAL, 2020
- Occupational Health and Safety, ISO 45001:2018 CERTIFICATE OF TRAINING, Exampplar Global, 2020
- Occupational Health and Safety, LEAD AUDITOR IN ISO 45001 OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEMS, EXEMAPLAR GLOBAL, 2019
- Quality Management, LEAD AUDITOR IN QUALITY MANAGEMENT SYSTEMS, EXEMPLAR GLOBAL, 2019
- Quality Management, Six Sigma Black Belt Certificate, ISQ Certification, 2017
- Quality Management, TS EN ISO 14001:2015 Çevre Yönetim Sistemleri-Şartlar, İntersistem Teknik Sertifikasyon San. ve Tic. Ltd. Ştd., 2016
- Quality Management, TS EN ISO 9001:2015 Kalite Yönetim Sistemleri- Şartlar, İntersistem Teknik Sertifikasyon San. ve Tic. Ltd. Şti., 2016
- Education Management and Planning, CAMSCAN Apollo 300 cihazı eğitim, TETRA Teknolojik Sistemler, 2010
- Education Management and Planning, PERKIN ELMER Clarus 500 GC, Clarus 500 MS ve TMHS cihazları eğitimi, TETRA Teknolojik Sistemler, 2009
- Education Management and Planning, PERKIN ELMER Diamond DSC cihaz eğitimi, TETRA Teknolojik Sistemler, 2009
- Quality Management, TS EN ISO/IEC17025 Deney ve Kalb. Lab. Yeterliliği İçin Genel Şartlar, İç Kalite Tetkiki, TSE Kalibrasyon Merkezi Başkanlığı, 2009
- Quality Management, ISO 9001:2008 Revizyonu Bilgilendirme Eğitimi, Alberk QA Teknik, 2009
- Quality Management, OHSAS 18001:2007 İş Sağlığı ve Güvenliği Yönetim Sistemi Versiyon Geçiş Eğitimi, TMMOB, 2008
- Education Management and Planning, PERKIN ELMER Lambda 25 cihaz eğitimi, TETRA Teknolojik Sistemler, 2008
- Quality Management, Deney ve Kalibrasyon Laboratuvar Kalitesinin Temini ve Laboratuvar Arası Karşılaştırma Ölçümü, Türk Standartları Enstitüsü (TSE) Kalibrasyon Merkezi Başkanlığı, 2008
- IT, PERKIN ELMER Raman 400F cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2008
- Education Management and Planning, PERKIN ELMER Optima 2100 DV cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2007
- Quality Management, Environmental Management Systems Auditor Conversion, IRCA, 2005
- Education Management and Planning, PERKIN ELMER Spectrum One FT-IR Spectrometer cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2005
- Quality Management, Practical Auditing of Quality Management Systems against the ISO 9000: 2000 Series, International Auditor and Training Certification Association (IATCA), 2004
- Education Management and Planning, PERKIN ELMER Diamond TG/DTA cihaz eğitimi, TETRA Teknolojik Sistemler, 2004
- Education Management and Planning, PANALYTICAL Minipal 4 cihaz eğitimi, TETRA Teknolojik Sistemler, 2004

Dissertations

Doctorate, Yarı iletken alaşımlarının elektrik, termoelektrik, fiziksel ve kimyasal özelliklerinin incelenmesi, Yıldız Teknik Üniversitesi, Kimya Metalurji Fakültesi, Kimya Mühendisliği, 2006

Postgraduate, ISO 9001:2000 standardına bilgisayar programı yardımıyla geçiş ve gıda sektöründe bir uygulama, Marmara Üniversitesi, İşletme Fakültesi, İşletme, 2003

Postgraduate, Bi₂Te₃ ve Sb₂Te₃ İçerikli Bileşiklerin Yapısal, Mikroyapısal ve Termoelektrik Özelliklerin İncelenmesi, Yıldız Teknik Üniversitesi, Kimya Metalurji Fakültesi, Kimya Mühendisliği, 2001

Academic Titles / Tasks

Professor 2018 - Continues	Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Bioengineering
Associate Professor 2012 - 2018	Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Bioengineering
Research Assistant PhD 2006 - 2012	Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Bioengineering
Research Assistant 2005 - 2006	Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering

Supported Projects

1. Pişkin M. B., Üstündağ C. B., Çakır Koç R., Yılmaz A., Yeşilkır S., TUBITAK Project, Kompozit Nanofiber Kardiyak Yamaların Adipoz Doku Kaynaklı Mezenkimal Kök Hücrelerde Kardiyojenik Farklılaşma Ve Transkriptomik Değişiklikler Üzerine Etkisinin İncelenmesi, 2022 - 2025
2. DERUN E., EREN N. M., KARADUMAN E., PİŞKİN M. B., ASLAN A., UYGUNÖZ D., GÜNAY AVCI S., Project Supported by Higher Education Institutions, Siyah Frenk Üzümü Ribes Nigrum Ekstraktı İçeren PLGA ve Kitosan Temelli Nanopartiküler İlaç Taşıyıcı Sistemlerin Geliştirilmesi ve Vulvovajinal Kandidiyazis Tedavisinde Kullanımı, 2021 - 2023
3. PİŞKİN M. B., Karaduman E., DERUN E., KIPÇAK A. S., Project Supported by Higher Education Institutions, KATKILI YARIİLETKEN ALAŞIMI ÜRETİMİ ve ÖZELLİKLERİNİN İYİLEŞTİRİLMESİ, 2017 - 2020
4. Derun E., Pişkin M. B., Development Agency, Turkey Ready Mixed Concrete Association of Concrete Research, Development and Technology Advisory Advisory Center, 2018 - 2019
5. PİŞKİN M. B., Project Supported by Higher Education Institutions, KANTARON ÇEŞİTLERİNİN KOZMETİK SANAYİDE KULLANIM POTANSİYELLERİNİN İNCELENMESİ, 2018 - 2019
6. PİŞKİN M. B., BEKLEVİÇUYLASI S., Project Supported by Higher Education Institutions, Boya Duyarlı Güneş Hücrelerinde Kullanılmak Üzere Doğal Boya Üretimi, 2016 - 2018
7. PİŞKİN M. B., SARI YILMAZ M., Project Supported by Higher Education Institutions, Hidrofobik Aerojellerin İnşaat Sektöründe Yalıtım Amaçlı Sıva Olarak Kullanımının İncelenmesi, 2014 - 2017
8. PİŞKİN M. B., Project Supported by Higher Education Institutions, Farklı Işın Kaynakları İle Polimerize Edilen Bulk Fill Rezin Kompozitlerin Termal, Mekanik, Yapısal ve Spektral Özelliklerinin In vitro İncelenmesi, 2013 - 2015

9. Derun E., Pişkin M. B., Tuğrul N., Pişkin S., Project Supported by Other Official Institutions, Termoelektrik Soğutucularda Kullanılmak Üzere p-tipi Bi₂Te₃-Sb₂Te₃, n-tipi Bi₂Te₃-Bi₂Se₃ Yarı İletken Metal Alaşımlarının Üretimi ve Özelliklerinin İncelenmesi, 2003 - 2006
10. Marşoğlu M., Pişkin M. B., Pişkin S., Derun E., Yakar Elbeyli İ., Project Supported by Other Official Institutions, Etibank Bor İşletmelerinden Atılan Katı Ve Sıvı Bor İçeren Atıklardan, Borun Geri Kazanım Sonrası Tuğla Ve Diğer Sanayilerde Kullanımı, 1998 - 2001

Awards

1. PİŞKİN M. B., TEŞEKKÜR BELGESİ ; SCI –Expanded kapsamında dergilerde 2013-2014 yılında yayın yapan öğretim üyeleri arasında yer almak, Yıldız Teknik Üniversitesi, August 2014
2. PİŞKİN M. B., TEŞEKKÜR BELGESİ ; SCI –Expanded kapsamında dergilerde 2012-2013 yılında yayın yapan öğretim üyeleri arasında yer almak, Yıldız Teknik Üniversitesi, May 2013
3. PİŞKİN M. B., 3. TEŞEKKÜR BELGESİ ; SCI –Expanded kapsamında dergilerde 2007-2009 yılında yayın yapan öğretim üyeleri arasında yer almak. Yıldız Teknik Üniversitesi, Yıldız Teknik Üniversitesi, February 2010
4. PİŞKİN M. B., TEŞEKKÜR BELGESİ ; SCI –Expanded kapsamında dergilerde 2006-2007 yılında yayın yapan öğretim üyeleri arasında yer almak, Yıldız Teknik Üniversitesi, March 2008
5. PİŞKİN M. B., 1. TEŞEKKÜR BELGESİ ; SCI –Expanded kapsamında dergilerde 2005 yılında yayın yapan öğretim üyeleri arasında yer almak, Yıldız Teknik Üniversitesi, September 2006

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Investigation of the use of cobalt and nickel based nanoalloys as cement mortar additives**
Karaduman E., PİŞKİN M. B.
Materials Research Express, vol.11, no.6, 2024 (SCI-Expanded)
2. **Synthesis of doped and non-doped TiO₂ in different temperatures and investigation on the effect of TiO₂ crystal structures and properties**
Süzcü C., Karaduman E., Özarslan A. C., Derun E., Pişkin M. B.
MAIN GROUP CHEMISTRY, vol.1, pp.1-22, 2024 (SCI-Expanded)
3. **Investigation of electrospun poly (ϵ -caprolactone) fiber mats loaded with Calophyllum inophyllum essential oil for wound dressing applications: Morphology, drug release and in vitro evaluation**
ÜSTÜNDAĞ C. B., PİŞKİN M. B.
Materials Technology, vol.38, no.1, 2023 (SCI-Expanded)
4. **Development and characterization of negative air ion emitting mica- and sericite-based antimicrobial pearlescent pigments**
Aslan A., Karaduman E., Derun E., Pişkin M. B.
CERAMICS INTERNATIONAL, vol.47, no.18, pp.26421-26429, 2021 (SCI-Expanded)
5. **Fabrication and Characterization of Saffron Stamen Aqueous Extract Controlled Release System as Potential Topical Treatment of Thermal Burn Wounds**
Özdemir B., Pişkin M. B., Gök B., Demir N., Kılınç Y.
CHEMISTRYSELECT, vol.6, no.25, pp.6579-6585, 2021 (SCI-Expanded)
6. **INFLUENCE OF THE SUPPORT ON THE MORPHOLOGY OF Co-Sn, Ni-Sn, Co-Ni NANOPARTICLES SYNTHESIZED THROUGH A BOROHYDRIDE REDUCTION METHOD APPLYING A TEMPLATE TECHNIQUE**
Markova I., PİŞKİN M. B., ZAHARİEV I., HRİSTOFOROU E., MİLANOVA M., IVANOVA D., FACHİKOV L.
REVIEWS ON ADVANCED MATERIALS SCIENCE, vol.55, pp.82-91, 2018 (SCI-Expanded)
7. **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 (SCI-Expanded)
8. **Full in-vitro analyses of new-generation bulk fill dental composites cured by halogen light**

- Tekin T. H., Kantürk Figen A., Yılmaz Atalı P., Coşkuner Filiz B., Pişkin M. B.
Materials Science and Engineering C, vol.77, pp.436-445, 2017 (SCI-Expanded)
9. **NANOMATERIALS BASED ON INTERMETALLIC (Co-Sn, Ni-Sn, Co-Ni) NANOPARTICLES STUDIED BY FTIR SPECTROSCOPY**
MARKOVA I., ZAHARIEV I., MILANOVA V., IVANOVA D., PIŞKIN M. B., FACHIKOV L., HRISTOFOROU E.
REVIEWS ON ADVANCED MATERIALS SCIENCE, vol.52, pp.70-81, 2017 (SCI-Expanded)
 10. **Determination of lemon and carbonate effects on caffeine content of various teas and investigation of daily caffeine intakes**
DEMİR F., KIPÇAK A. S., Ozdemir O. D., PIŞKIN M. B., Derun E.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.41, no.5, pp.308-315, 2016 (SCI-Expanded)
 11. **The effect of lemon on the essential element concentrations of herbal and fruit teas**
GORGULU T. Y., Ozdemir O. D., Kipcak A. S., Piskin M. B., Derun E.
APPLIED BIOLOGICAL CHEMISTRY, vol.59, no.3, pp.425-431, 2016 (SCI-Expanded)
 12. **Synthesis of dehydrated zinc borates using the solid-state method: Characterization and investigation of the physical properties**
KIPÇAK A. S., ACARALI N., SENBERBER F. T., Yildirim M., KOC S. N. T., Yuksel S., PIŞKIN M. B., Derun E., TUĞRUL N.
MAIN GROUP CHEMISTRY, vol.15, no.4, pp.301-313, 2016 (SCI-Expanded)
 13. **Zinc borate production with boron mineral source: effect of process parameters on yield and hydrophobicity**
Acarali N., Ozturk E., Bardakci M., Pişkin M. B., Tuğrul N.
GOSPODARKA SUROWCAMI MINERALNYMI-MINERAL RESOURCES MANAGEMENT, vol.31, pp.95-109, 2015 (SCI-Expanded)
 14. **Thermal, spectral, and surface properties of LED light-polymerized bulk fill resin composites**
Pişkin M. B., Atalı P. Y., Figen A.
Biomedizinische Technik, vol.60, pp.65-75, 2015 (SCI-Expanded)
 15. **Ni-Sn ALLOY CARBON-CONTAINING NANOCOMPOSITES AS ALTERNATIVE ANODE MATERIALS TO THE GRAPHITE ELECTRODES IN Li-ION BATTERIES**
MILANOVA V., PIŞKIN M. B., PETROV T., STANKULOV T., DENEV I., MARKOVA I.
REVIEWS ON ADVANCED MATERIALS SCIENCE, vol.41, pp.52-60, 2015 (SCI-Expanded)
 16. **Thermal properties and kinetics of new-generation posterior bulk fill composite cured light-emitting diodes**
Figen A., Atalı P. Y., Pişkin M. B.
Journal of Thermal Analysis and Calorimetry, vol.118, pp.31-42, 2014 (SCI-Expanded)
 17. **The use of boric acid (H₃B₃O₃) and boron oxide (B₂O₃) for co-precipitation synthesis of cobalt-boron catalysts: Catalytic activity in hydrogen generation**
Coşkuner B., Kantürk Figen A., Pişkin M. B.
Kinetics and Catalysis, vol.55, pp.809-823, 2014 (SCI-Expanded)
 18. **Synthesis, structural characterization, and hydrolysis of Ammonia Borane (NH₃BH₃) as a hydrogen storage carrier**
Figen A., Pişkin M. B., Coskuner B., Imamoglu V.
International Journal of Hydrogen Energy, vol.38, pp.16215-16228, 2013 (SCI-Expanded)
 19. **Production of Zinc Borate for Pilot Scale Equipment and Effects of Reaction Conditions on Yield**
BARDAKCI M., ACARALI N., TUĞRUL N., DERUN E., PIŞKIN M. B.
Materials Science, 2013 (SCI-Expanded)
 20. **The Combustion Behavior of Eriobotrya japonica Stones**
Sutcu H., PIŞKIN M. B.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.35, no.4, pp.376-379, 2013 (SCI-Expanded)
 21. **Investigation of the reaction mechanism and kinetics of production of anhydrous sodium metaborate (NaBO₂) by a solid-state reaction**
PIŞKIN M. B., Figen A. K., ERGUVEN H.

- RESEARCH ON CHEMICAL INTERMEDIATES, vol.39, no.2, pp.569-583, 2013 (SCI-Expanded)
22. **Production of Zinc Borate for Pilot-Scale Equipment and Effects of Reaction Conditions on Yield**
Bardakci M., Baran Acarali N., TUĞRUL N., Moroydor Derun E., PIŞKİN M. B.
MATERIALS SCIENCE-MEDZIAGOTYRA, vol.19, no.2, pp.158-163, 2013 (SCI-Expanded)
 23. **Investigation of The Reaction Mechanism and Kinetics of Production of Anhydrous Sodium Metaborate NaBO₂ by a Solid State Reaction**
Pişkin M. B., Kantürk Figen A., Ergüven H.
Research On Chemical Intermediates, vol.39, pp.569-583, 2013 (SCI-Expanded)
 24. **Investigation of sodium borohydride production process: "Wexite mineral as a boron source"**
Piskin M. B.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.34, no.11, pp.4773-4779, 2009 (SCI-Expanded)
 25. **A study on the structural behavior of reduced pyrite ash pellets by XRD and XRF analysis**
TUĞRUL N., Derun E., PIŞKİN M. B., Ekerim A.
WASTE MANAGEMENT & RESEARCH, vol.27, no.3, pp.281-287, 2009 (SCI-Expanded)
 26. **Utilization of pyrite ash wastes by pelletization process**
Tugrul N., Derun E., Piskin M. B.
POWDER TECHNOLOGY, vol.176, pp.72-76, 2007 (SCI-Expanded)
 27. **Effects of calcium hydroxide and calcium chloride addition to bentonite in iron ore pelletization**
Tugrul N., Derun E., Piskin M. B.
WASTE MANAGEMENT & RESEARCH, vol.24, no.5, pp.446-455, 2006 (SCI-Expanded)
 28. **The analysis of corrosion performance of car bodies coated by no nickel and low nickel zinc phosphating processes**
Derun E., Demirozu T., Piskin M., Piskin S.
MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION, vol.56, no.6, pp.412-416, 2005 (SCI-Expanded)

Articles Published in Other Journals

1. **Determination of Usage Potential of Hypericum perforatum, Hypericum capitatum, Centaurea cyanus Extracts and Creams in The Cosmetic Industry**
Abahuni Uçar M., Derun E., Pişkin M. B.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.41, no.3, pp.443-450, 2023 (ESCI)
2. **THE EFFECT OF HYDROXYAPATITE ADDITIVE PRODUCED FROM DIFFERENT RAW MATERIALS TO STRENGTH OF BONE CEMENT**
TUĞRUL N., PIŞKİN M. B., DUMANLI F. T., KARAMAHMUT MERMER N., ÖZTÜRK Ö. C., GELİBOLU N.
ENGINEERING SCIENCES, vol.9, no.2, pp.990-1000, 2020 (Peer-Reviewed Journal)
3. **Synthesis of Bionanocomposite Films with PLA/Halloysite**
Karakaş S. B., Pişkin M. B., Tuğrul N.
Eurasian Journal of Biological and Chemical Sciences, vol.3, pp.38-41, 2020 (Peer-Reviewed Journal)
4. **Zinc Adsorption Determination of H₂SO₄ Activated Pomegranate Peel**
Türkmen Koç Ş. N., Kıpçak A. S., Pişkin M. B., Derun E., Tuğrul N.
Academy of Science, Engineering and Technology International Journal of Environmental and Ecological Engineering, vol.13, no.2, pp.76-79, 2019 (Peer-Reviewed Journal)
5. **DEPENDENCE OF THE MAGNETIC PROPERTIES OF ALLOYED Co-Ni, Co-Sn, Ni-Sn NANOPOWDERS ON THE ELEMENTAL COMPOSITIONS**
Markova I., Georgieva M., PIŞKİN M. B., Tzankov D., Gavrilova R., Yordanov B., ZAHARİEV I.
Journal of Chemical Technology and Metallurgy, no.54, pp.163-178, 2019 (Scopus)
6. **Spectroscopic Study of The Template Synthesized Intermetallic (Co-Sn, Ni-Sn, Co-Ni) Nanoparticles With A Carbon Support**
Markova I., PIŞKİN M. B., ZAHARİEV I., İVANOVA d., FACHÍKOV L., CHRİSTOFOROU E.
Journal of Chemical Technology and Metallurgy, 2018 (Scopus)

7. **FTIR Spectroscopy Method for Investigation of the Co-Ni Nanoparticle Nanosurface Phenomena**
Ivan Z., Karaduman E., Ivania M., Pişkin M. B., Ivanova D., Fachikov L.
Journal of Chemical Technology and Metallurgy, vol.52, no.5, 2017 (Scopus)
8. **Determination of the Element Contents in Turkish Coffee and Effect of Sugar Addition**
Fercan M. M., Kıpçak A. S., Dere Özdemir Ö., Pişkin M. B., Derun E.
World Academy of Science, Engineering and Technology International Journal of Chemical and Molecular Engineering, vol.10, no.1, pp.112-115, 2016 (Peer-Reviewed Journal)
9. **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 (Peer-Reviewed Journal)
10. **Determination Optimum B₂O₃, KCl and NaOH Molar Ratios in the Synthesis of Potassium Borates**
Kıpçak A. S., Gunal M., İla S., Yildirim M., Piskin M. B., Derun E.
Celal Bayar University Journal of Science, vol.11, no.3, pp.409-412, 2015 (Peer-Reviewed Journal)
11. **Determination Optimum B₂O₃ KCl and NaOH Molar Ratios in the Synthesis of Potassium Borates**
KIPÇAK A. S., GÜNAL M., İLA S., YILDIRIM M., PİŞKİN M. B., DERUN E.
Celal Bayar University Journal of Science, vol.11, pp.409-412, 2015 (Peer-Reviewed Journal)
12. **The Investigation of the Element Contents in the Turkish Coffees**
Demir F., Selvi N., Kıpçak A. S., Dere Özdemir Ö., Pişkin M. B., Derun E.
Celal Bayar University Journal of Science, vol.11, no.3, pp.423-428, 2015 (Peer-Reviewed Journal)
13. **Microwave Dehydration Behaviour of Inderite and Comparison with Thermal Analyses Methods**
Özdoğan İ. N., Aksoy Y. T., Şenberber F. T., Kıpçak A. S., Pişkin M. B., Derun E.
Celal Bayar University Journal of Science, vol.11, no.3, pp.373-377, 2015 (Peer-Reviewed Journal)
14. **SYNTHESIS AND STUDY OF CARBON BASED NANOCOMPOSITES WITH Co Sn NANOPARTICLES FOR ELECTRODE MATERIALS**
V M., MARKOVA I., PİŞKİN M. B., STANKULOV T., PETROV T., DENEV I.
Journal of Chemical Technology & Metallurgy, vol.50, pp.288-298, 2015 (Peer-Reviewed Journal)
15. **Determination of Boron in Black and Herbal Teas**
PİŞKİN M. B., KIPÇAK A. S., DERE ÖZDEMİR Ö., DERUN E.
Advanced Science Letters, vol.19, pp.3576-3578, 2013 (Scopus)
16. **Some Essential Element Concentrations of Turkish Rosehip Teas**
PİŞKİN M. B., DERE ÖZDEMİR Ö., KIPÇAK A. S., TUĞRUL N., DERUN E.
Advanced Science Letters, vol.19, pp.3148-3150, 2013 (Scopus)
17. **Investigation of Co(1-x)-Bx Catalyst Characteristics By Boron Sources Effect**
COŞKUNER B., PİŞKİN M. B., KANTÜRK FİGEN A.
Journal of Selcuk University Natural and Applied Science, vol.1, pp.490-497, 2013 (Peer-Reviewed Journal)
18. **Modification of Coal Fly Ash by Two Steps: Heat and Acid Treatment**
PİŞKİN M. B., DERE ÖZDEMİR Ö., KANTÜRK FİGEN A.
Journal of International Scientific Publications: Materials, Methods & Technologies, vol.7, no.1, pp.54-61, 2013 (Peer-Reviewed Journal)
19. **Effect Of Cobalt Sources On Properties Of Co-B Catalysts Synthesized By Sol-Gel Method**
KANTÜRK FİGEN A., COŞKUNER B., PİŞKİN M. B., DERE ÖZDEMİR Ö.
Journal Of International Scientific Publications: Materials, Methods & Technologies, vol.7, no.1, pp.54-61, 2013 (Peer-Reviewed Journal)
20. **Application of FTIR Spectroscopy Coupled with Attenuated Total Reflectance for the Determination of Trimethyl Borate**
PİŞKİN M. B., SARI YILMAZ M.
International Journal of Biological, Ecological and Environmental Sciences (IJBEES), vol.1, pp.188-191, 2012 (Peer-Reviewed Journal)
21. **Lemon Effect on Some Elements in Turkish Teas**
Kıpçak A. S., Ozdemir O. D., Derun E., Pişkin M. B.
World Academy of Science, Engineering and Technology International Journal of Chemical and Molecular

- Engineering, no.6, pp.612-615, 2012 (Peer-Reviewed Journal)
22. **Cr, Fe and Se Contents of the Turkish Black and Green Teas and the Effect of Lemon Addition**
Derun E., Kıpçak A. S., Dere Özdemir Ö., Pişkin M. B.
World Academy of Science, Engineering and Technology International Journal of Nutrition and Food Engineering, no.6, pp.1018-1022, 2012 (Peer-Reviewed Journal)
 23. **Characterization and Evaluation of Borax as a Neutron Shielding Material**
KIPÇAK A. S., DERUN E., TUĞRUL N., PİŞKİN M. B.
2009 Annual Bulletin of the Australian Institute of High Energetic Materials, vol.1, pp.149-156, 2010 (Peer-Reviewed Journal)
 24. **Investigation of the Non-isothermal Kinetics of Inyoite**
Arslan G., Tuğrul N., Pişkin M. B., DERUN E.
2009 Annual Bulletin of the Australian Institute of High Energetic Materials, vol.1, pp.63-67, 2010 (Peer-Reviewed Journal)
 25. **The Analysis of the Boron Amounts in Coffees By The Method of ICP OES**
DERE ÖZDEMİR Ö., KIPÇAK A. S., DERUN E., TUĞRUL N., PİŞKİN M. B.
International Review of Chemical Engineering Rapid Communications (IRECHE), vol.2, pp.326-328, 2010 (Peer-Reviewed Journal)
 26. **Effects of Various Parameters on Zinc Borate Production by Using Zinc Carbonate**
Acaralı N., Pişkin M. B., Derun E., Tuğrul N.
2009 Annual Bulletin of the Australian Institute of High Energetic Materials, vol.1, pp.12-16, 2010 (Peer-Reviewed Journal)
 27. **The Evaluation of the Secondary Ulexite Mineral as a Neutron Shielding Material**
Kıpçak A. S., Derun E., Tuğrul N., Pişkin M. B.
International Review of Chemical Engineering Rapid Communications (IRECHE), vol.2, no.1, pp.115-122, 2010 (Peer-Reviewed Journal)
 28. **The Effect of Process Parameters on Yield for Zinc Borate Production**
ACARALI N., DERUN E., TUĞRUL N., PİŞKİN M. B.
International Review of Chemical Engineering (I.R.E.C.H.E.), 2010 (Peer-Reviewed Journal)
 29. **About Some Mechanisms of Consolidation of Layered Highly Effective Crystals For Thermoelements**
Pişkin M. B.
RAST 2009: Proceedings of the 4th International Conference On Recent Advances In Space Technologies, pp.105-107, 2009 (Peer-Reviewed Journal)
 30. **Nano layers in the bismuth telluride semiconductive alloys that are used in nano satellites**
PİŞKİN M. B., DERUN E.
3rd International Conference on Recent Advances in Space Technologies, vol.1, pp.144-151, 2007 (Peer-Reviewed Journal)
 31. **Nanoparticles in Interface Space Te(1)-Te(1) In Crystals Sb₂Te₃**
DERUN E., PİŞKİN M. B., Aleskerov F., Kahramanov S.
Series of Physical, Mathematical and Technical Sciences Physics and Astronomy, vol.27, no.5, pp.43-48, 2007 (Peer-Reviewed Journal)
 32. **Morphology of A surface (0001) and Electronic Properties of Layered System Bi₂Te₃ –Ni**
Aleskerov F., Kahramanov S., Kahramanov K., DERUN E., PİŞKİN M. B.
Series of Physical, Mathematical and Technical Sciences Physics and Astronomy, vol.27, no.2, pp.43-48, 2007 (Peer-Reviewed Journal)
 33. **The supramolecular Structures on the Base of AIVBVI Sb (NiSb) Eutectic Systems**
Kahramanov S., Kahramanov K., DERUN E., PİŞKİN M. B.
Fizika Dergisi, vol.12, no.3, pp.38-43, 2007 (Peer-Reviewed Journal)
 34. **Two Dimensional Nano Reactors on the Base of Bismuth and stibium C halogenides**
Aleskerov F., Kahramanov S., Kahramanov K., DERUN E., PİŞKİN M. B.
Fizika Dergisi, vol.12, no.4, pp.33-40, 2007 (Peer-Reviewed Journal)
 35. **The Conceptions of the Fractal in the Physics of Supramolecular Eutectics**

- Aleskerov F., Kahramanov S., DERUN E., PİŞKİN M. B.
Fizika Dergisi, vol.13, no.5, pp.52-56, 2007 (Peer-Reviewed Journal)
36. **The supramolecular Structures on the Base of AIVBVI Sb(NiSb) Eutectic Systems**
Kahramanov S., Kahramanov K., Derun E., Pişkin M. B.
Fizika Dergisi, vol.12, no.3, pp.38-43, 2007 (Peer-Reviewed Journal)
37. **The Layered Superstructures on the Base of Semiconductors Systems: Bi₂Te₃- Metal and PbTe(PbS)-NiSb**
Kahramanov S., S., DERUN E., PİŞKİN M. B.
Fizika Dergisi, vol.12, no.4, pp.54-60, 2007 (Peer-Reviewed Journal)
38. **Pirit Külü Atıklarının Pik Demir Üretiminde Kullanılmak Üzere Peletlenmesi**
Derun E., Tuğrul N., Pişkin M. B., Pişkin S.
Sigma Mühendislik ve Fen Bilimleri Dergisi, no.3, pp.118-125, 2005 (Peer-Reviewed Journal)

Books

1. **Inorganic Suprastructures (Eutectics)**
Aleskerov F., Derun E., Pişkin M. B., Kakhramanov S., Kakhramanov K. S.
National Academy Of Sciences Of Azerbaijan, Baku, 2007

Papers Published in Refereed Scientific Meetings

1. **Production and Characterization of Doped and Non-Doped Titanium Dioxide Coatings**
Süzgün C., Özarslan A. C., Pişkin M. B., Derun E.
3th International Congress of Engineering and Natural Sciences Studies, Ankara, Turkey, 24 - 25 May 2023, pp.621-640
2. **Polivinil Alkol Matrisli Bitkisel İçerikli Hidrojel Yara Örtüsü Tasarımı**
Abahuni Uçar M., Gül E. M., Pişkin M. B., Derun E.
9. Bilim Günleri Kongresi, İstanbul, Turkey, 9 - 11 May 2023, pp.1
3. **Polivinil Alkol Matrisli Bitkisel Transdermal Formülasyon Sentezlenmesi**
Gül E. M., Abahuni Uçar M., Pişkin M. B., Derun E.
9. Bilim Günleri Kongresi, İstanbul, Turkey, 9 - 11 May 2023, pp.1
4. **Co-Ni nanoalaşım ve nanopartiküllerinin yeşil sentez yöntemi ile elde edilmesi ve karakterizasyonu**
Karaduman E., Aslan A., Derun E., Pişkin M. B.
4th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2021), 24 - 26 November 2021, pp.320
5. **Türkiye'nin Bursa yöresinde yetiştiriciliği yapılan Rosenthal çeşidi siyah frenk üzümünün (Ribes nigrum) içeriklerinin belirlenmesi ve antibakteriyel kullanımlarının değerlendirilmesi**
Eren N. M., Aslan A., Karaduman E., Uygunöz D., Günay Avcı S., Pişkin M. B., Derun E.
4th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2021), Ankara, Turkey, 24 - 26 November 2021, pp.1158
6. **Fabrication of electrospun poly (ϵ -caprolactone) fibers incorporated with Calophyllum inophyllum essential oil as potential wound dressing**
Üstündağ C. R., Pişkin M. B.
4th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2021) , Ankara, Turkey, 24 - 26 November 2021, pp.141
7. **Negatif İyon Yayan Mika Temelli Antimikrobiyal Duvar Boyalarının Geliştirilmesi ve Karakterizasyonu**
Aslan A., Derun E., Pişkin M. B.
3RD INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Ankara, Turkey, 19 -

20 March 2020, pp.641

8. **Herbicide resistance allele introgression from a tropical indica rice donor plant to temperate japonica rice (*Oryza sativa*) varieties**
Uzunoglu S., Pişkin M. B.
I. Uluslararası Tarım - Gıda Bilim ve Teknoloji Dergisi Kongresi (TURJAF), Antalya, Turkey, 8 - 10 November 2019, pp.753-756
9. **SEM and EDS study of intermetallic (Co-Sn, Ni-Sn, Co-Ni) nanoparticles and their carbon nanocomposites**
Markova I., Ivanova D., PİŞKİN M. B., Zahariev I., Fachikov L.
18th European Conference on Applications of Surface and Interface Analysis, Dresden, Germany, 15 - 20 September 2019
10. **Magnetic properties of intermetallic (Co-Sn, Ni-Sn, Co-Ni) nanoparticles and their carbon nanocomposites**
Markova I., Stefanova V., PİŞKİN M. B., Georgieva M., dimitar t., Ivanova D., Fachikov L.
European Congress and Exhibition on Advanced Materials and Processes - FEMS EUROMAT 2019, Stockholm, Sweden, 1 - 05 September 2019
11. **Properties of intermetallic (Co-Sn, Ni-Sn, Co-Ni) nanoparticles depending on their elemental composition**
Markova I., PİŞKİN M. B., Milanova V., Zahariev I., Ivanova D., Fachikov L.
NanoInnovation, Roma, Italy, 11 - 14 June 2019
12. **Computer aided design and manufacturing of reverse shoulder prosthesis: A 3D printer study**
Yıldız D. V., Pişkin M. B.
4th International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry 2019, Antalya, Turkey, 11 - 14 April 2019, pp.1163-1170
13. **Morphology and elemental composition of chemical synthesized intermetallic (Co-Sn, Ni-Sn, Co-Ni) nanoparticles and their carbon nanocomposites**
Markova I., PİŞKİN M. B., Zahariev I., Ivanova D., Fachikov L.
ISER-571th International Conference on Nanoscience, nanotechnology and Advanced materials (IC2NAM), Venedik, Italy, 21 - 22 April 2019
14. **Dependence of the Electrochemical Behavior of Intermetallic (Co-Sn) Nanoparticles and Their Carbon Nanocomposites on the Elemental Composition**
Markova I., PİŞKİN M. B., Milanova V., Stankulov T., Zahariev I., Ivanova D., Fachikov L.
ISER 189th INTERNATIONAL CONFERENCE, Cannes, France, 13 March 2019, pp.1-6
15. **Dependence of The Electrochemical Behavior of Intermetallic (Co-Sn) Nanoparticles and Their Carbon Nanocomposites on The Elemental Compositon**
Markova I., PİŞKİN M. B., Milanova V., toma s., Zahariev I., Ivanova D., Fachikov L.
Proceedings of ISER 189th INTERNATIONAL CONFERENCE, Cannes, France, 13 - 14 March 2019
16. **Yara Bakımında Kantaron Ektresi İçerikli Krem Geliştirilmesi**
Abahuni M., Derun E., Erdemir Üstündağ A., Pişkin M. B.
13. Ulusal Yara Kongresi, Antalya, Turkey, 13 - 16 December 2018, pp.258
17. **Zinc Adsorption Determination of H₂SO₄ Activated Pomegranate Peel**
Türkmen Koç Ş. N., Kıpçak A. S., Pişkin M. B., Derun E., Tuğrul N.
ICEBESE 2018: 20th International Conference on Environmental, Biological, Ecological Sciences and Engineering, Barcelona, Spain, 29 - 30 October 2018, pp.1871-1874
18. **Adsorption Study of Zinc Metal in Synthetic Waste Waters using Hydroxyapatite Produced from Çayırhan Coal Plant Waste**
Kızıldaş Demir S., Kıpçak A. S., Derun E., Pişkin M. B., Tuğrul N.
International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018, pp.1292
19. **The Effect of Different Boron Sources on the Solid-State Synthesis of Dehydrated Potassium Borates at 700 °C**

KIPÇAK A. S., TUĞRUL N., Tor T., PİŞKİN M. B., DERUN E.

International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 April 2018, pp.1242

20. **Antibakteriyel Seramik Kaplamalarda Kullanılmak Üzere TiO₂ Kaplama Sentezi ve Karakterizasyonu**
Kılıç C., Pişkin M. B.
6. Ulusal Biyomühendislik Öğrenci Kongresi, İstanbul, Turkey, 5 - 06 April 2018
21. **Boya Duyarlı Güneş Hücreleri İçin Doğal Boya Üretimi**
Bekleviçuyulası S., Pişkin M. B., Derun E.
6. Ulusal Biyomühendislik Öğrenci Kongresi, İstanbul, Turkey, 05 April 2018, pp.46
22. **Ecofriendly natural dye synthesis instead of synthetic dye for dye sensitized solar cells,**
Bekleviçuyulası S., Pişkin M. B., Derun E.
II. International Conference on Ecology, Ecosystems and Climate Change (ECOLOGY '18), İstanbul, Turkey, 23 - 24 February 2018, pp.73
23. **Synthesis of Cobalt Nanoparticles with Carbon Coating**
Pişkin M. B., Karaduman E., Derun E., Markova I.
International Conference on Energy and Thermal Engineering, İstanbul, Turkey, 25 - 28 April 2017, pp.396-399
24. **Investigation of the zinc metal adsorption behaviour of watermelon rinds activated with ZnCl₂ and treated with microwave**
Yılmaz Ö., Kıpçak A. S., Pişkin M. B., Tuğrul N.
Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 10 - 13 May 2016, pp.488-492
25. **Low Temperature Solid State Synthesis of Copper Borates**
Şenberber F. T., Yıldırım M., Kıpçak A. S., Pişkin M. B., Derun E.
Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 10 - 13 May 2016, pp.493-496
26. **Characterization Study of Centaurium Erythraea Using by UV Vis and ICP OES**
BALKAN G., ŞENBERBER F. T., PİŞKİN M. B., DERUN E.
Conference on Advances in Mechanical Engineering, 10 - 13 May 2016
27. **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
28. **Low temperature solid state synthesis of copper borates**
ŞENBERBER F. T., YILDIRIM M., KIPÇAK A. S., PİŞKİN M. B., DERUN E.
Conference on Advances in Mechanical Engineering Istanbul 2016, 11 - 13 May 2016
29. **Characterization study of centaurium erythraea using by UV VIS and ICP OES**
BALKAN G., ŞENBERBER F. T., PİŞKİN M. B., DERUN E.
Conference on Advances in Mechanical Engineering Istanbul 2016, 11 - 13 May 2016
30. **Characterization Study of Centaurium Erythraea Using by UV-Vis and ICP-OES**
Balkan G., Şenberber F. T., Pişkin M. B., Derun E.
Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 11 - 13 May 2016, pp.502-506
31. **The Effect of Acid Concentration on the Synthesis of Hydrophobic Silica Based Aerogels**
SARI YILMAZ M., DERE ÖZDEMİR Ö., KARAMAHMUT MERMER n., PİŞKİN M. B.
ITWCCST 2015 International Turkic World Conference on Chemical Sciences and Technologies, Bosnia And Herzegovina, 27 October - 01 November 2015
32. **Characterization of Hydrophobic Aerogel for Insulation Application**
Pişkin M. B., Karamahmut N., Sarı Yılmaz M., Dere Özdemir Ö.
TMS 20155 144th Annual Meeting&Exhibition, Florida, United States Of America, 15 - 19 March 2015, pp.12
33. **Zinc chloride sodium hydroxide and boric acid molar ratio determination for the production of zinc borates**
Pişkin M. B., Kıpçak A. S., Yıldırım M., Senberber F. T., Tuğrul N., Derun E.
TMS 2015 144th Annual Meeting Exhibition, Florida, United States Of America, 15 - 19 March 2015, pp.1
34. **Zinc chloride sodium hydroxide and boric acid molar ratio determination for the production of zinc borates**
PİŞKİN M. B., KIPÇAK A. S., YILDIRIM M., ŞENBERBER F. T., TUĞRUL N., DERUN E.

TMS 2015 144th Annual Meeting & Exhibition, 5 - 08 March 2015

35. **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
36. **Solid-state method of Lithium tetra borate (Li₂B₄O₇) with single crystalline phase**
PİŞKİN M. B., Kantürk Figen A.
Bio Engineering Conference (Bio Eng'14), 01 November 2014
37. **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
38. **The Investigation of the Caffeine Contents in the Clasic, Gold and Turkish Coffees**
Pişkin M. B., Demir F., Kıpçak A. S., Dere Özdemir Ö., Derun E.
International Conference on Emerging Trends in Engineering and Technology (ICETET'2013), Phuket, Thailand, 7 - 08 December 2013, pp.100-104
39. **Thermal Degradation Characteristic of EBPADMA/TEGDMA Polymer Matrix Based Bulk Fill Flow Dental Composite**
KANTÜRK FİGEN A., Pişkin M. B., Yılmaz Atalı P.
Anniversary Scientific Conference with International Participation (60 years UCTM), 01 August 2013
40. **Microhardness of new generation posterior composite materials: BulkFill, Nanohybrid, Silorane**
Pişkin M. B., KANTÜRK FİGEN A.
101th FDI International Congress (FDI2013), 01 August 2013, vol.63, pp.148
41. **Spectroscopic properties of bulk fill resin composites cured by LED light source**
KANTÜRK FİGEN A., Pişkin M. B., Yılmaz Atalı P.
101th FDI International Congress(FDI2013), 01 August 2013, vol.63, pp.148
42. **Investigation of Co 1 x Bx Catalyst Characteristics by Boron Sources Effect**
Pişkin M. B., Kantürk Figen A., Coşkuner Filiz B.
International Conference on Environmental Science and Technology (ICOEST-Cappadocia 2013), Nevşehir, Turkey, 18 - 21 June 2013
43. **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, Minerals and Metal Processing, MMM 2013, San Diego, CA, United States Of America, 25 - 28 August 2013, vol.15, pp.488-490
44. **Application of FTIR Spectroscopy Coupled with Attenuated Total Reflectance for the Determination of Trimethyl Borate**
PİŞKİN M. B., S.Yılmaz M.
International Conference on Chemical and Environmental Sciences (ICES 2012), 01 December 2012
45. **Cr, Fe and Se Contents of the Turkish Black and Green Teas and the Effect of Lemon Addition**
DERUN E., Kıpçak A. S., Dere Özdemir Ö., Pişkin M. B.
ICCE 2012: International Conference on Chemical Engineering, 01 November 2012
46. **Cr Fe and Se Contents of the Turkish Black and Green Teas and the Effect of Lemon Addition**
Derun E., Kıpçak A. S., Dere Özdemir Ö., Pişkin M. B.
ICCE 2012: International Conference on Chemical Engineering, Paris, France, 28 - 29 November 2012, pp.1648-1652
47. **Determination of Some Essential Element Concentrations in Turkish Teas**
Ozdemir O. D., Hafizoglu S., M. Derun E., PİŞKİN S.
12. Mediterranean Congress in Chemical Engineering. Barcelona, Spain, 01 November 2011
48. **Influence of Various Modifying Agents on Hydrophobicity of Zinc Borate**
ACARALI N., TUGRUL N., DERUN E. M., PİŞKİN M. B.
17th International Symposium on Boron, Borides and Related Materials, ISBB 2011, İstanbul, Turkey, 11 September 2011
49. **Investigation of Structural Properties of Ammonia Borane And Its Waste Product**

Atanur O., Özalp G., PİŞKİN M. B., FİGEN H. E., Yazıcı M. S.

International Conference on Hydrogen Production (ICH2P-11), Selanik, Greece, 19 June 2011, pp.1-10

50. **Temperature effect on Sulfuric Acid Leaching of Galvanic Sludge**
PİŞKİN M. B.
International Review of Chemical Engineering (IRECHE), 01 June 2011
51. **Dehydroxylation Reaction Kinetic Mechanism of Inderite Mineral**
Pişkin M. B., Figen H. E.
International Conference on Chemistry and Chemical Process (ICCCP 2011), Bangkok, Thailand, 28 - 29 May 2011, vol.10, pp.50-54
52. **Yarıiletkenler ve Yarıiletken Alaşım Üretim Yöntemleri, Bir Derleme Çalışması**
Ertem Ö., Akgün T., Pişkin M. B., Derun E.
1. Ulusal Kimya Mühendisliği Öğrenci Kongresi (UKMÖK-1), Çorum, Turkey, 12 - 14 May 2011, pp.1
53. **Bor Katkılı Yarıiletken Alaşım Üretimi Ve Karakterizasyonu**
Ertem Ö., Pişkin M. B., DERUN E.
1. Ulusal Kimya Mühendisliği Öğrenci Kongresi (UKMÖK-1), Çorum, 12-14 Mayıs, 01 May 2011
54. **A Study on the Hydrophobicity and Investigation of Physical and Chemical Properties of Produced Zinc Borate**
Pişkin M. B., Acaralı N., Tuğrul N., Derun E., Akgül O.
TMS 2011 Annual Meeting-Exhibition, California, United States Of America, 27 February - 03 March 2011, vol.3, pp.373-377
55. **A Comparison of Ulexite Mineral and Borax Decahydrate to Synthesize Zinc Borate**
PİŞKİN M. B., ACARALI N.
The World Congress on Engineering 2010 (WCE 2010), Londra, United Kingdom, 30 June 2010
56. **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
57. **A Study on Zinc Borate Production by Using Borax Decahydrate Mineral**
Derun E., Acaralı N., Pişkin M. B.
6th Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries-EMCC 6, Antalya, Turkey, 7 - 12 March 2010, pp.171
58. **Evaluation of Borax as a Neutron Shielding Material and confront with Colemanite**
Kıpçak A. S., Derun E., Tuğrul N., Pişkin M. B.
2009 Multilingual Interdisciplinary Conference on Chemical, Mechanical and Materials Engineering (2009 ICCMME) with Virtual Participation, Melbourne, Australia, 7 - 20 December 2009, vol.1, pp.205-214
59. **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
60. **The Effect of Process Parameters on Yield for Zinc Borate Production**
ACARALI N., DERUN E., TUĞRUL N., PİŞKİN M. B.
1st Conference on Chemical Engineering and Advanced Materials (CEAM) Virtual Forum, November 23rd-December 8th, 23 November - 08 December 2009
61. **An Investigation on the Production of Zinc Borate**
Acaralı N., Tuğrul N., Derun E., Pişkin M. B.
4th International Boron Symposium, Osmangazi Üniversitesi, Eskişehir, Turkey, 15 - 17 October 2009, pp.215-221
62. **Study of Dehydration Kinetics of Tunellite and Theta Rule**
SARI YILMAZ M., PİŞKİN M. B.
4th International Boron Symposium, 15 - 17 October 2009
63. **The Synthesis of Zinc Borate Using Zinc Carbonate**
Acaralı N., Pişkin M. B., Derun E., Tuğrul N.
World Conference Series with Virtual Participation: 2009 Interdisciplinary Conference on Chemical, Mechanical

and Materials Engineering (2009 ICCMME), Australian Institute of High Energetic Materials in Melbourne, Australia, Melbourne, Australia, 7 - 20 December 2009, pp.55-60

64. **The Evaluation of the Inyoite Mineral as a Neutron Shielding Material**
Kıpçak A. S., Derun E., Pişkin M. B., Tuğrul N.
3rd Balkan Mining Congress, İzmir, Turkey, 1 - 03 October 2009, pp.181-187
65. **Pandermit ve Üleksit' in Nötron Zırh Malzemesi Olarak Değerlendirilmesi ve Kolemanit ile Kıyaslanması**
Pişkin M. B., Tuğrul N., DERUN E.
Uluslararası Katılımlı Nükleer ve Yenilenebilir Enerji Kaynakları, Ankara, 28-29 Eylül, 01 September 2009
66. **Some Mechanisms of Consolidation of Layered Highly Effective Crystals for Termoelements as Nano Space Materials**
Pişkin M. B.
4th International Conference on Recent Advances in Space Technologies, Istanbul, Turkey, 01 June 2009
67. **Characterization of Waste Magnesium Chip: As a Hydrogen Storage Material**
KANTÜRK A., SARI YILMAZ M., FİGEN H. E., PİŞKİN M. B.
HYdrogen POWer THEoretical Engineering Solutions Industrial Symposium 2009 (HYPOTHESIS VIII Lisboa 2009), LÍZBON, Portugal, 1 - 03 April 2009
68. **Characterization of Waste Chip Magnesium Chip: As a Hydrogen Storage Material**
KANTÜRK FİGEN A., SARI YILMAZ M., FİGEN H. E., PİŞKİN M. B.
HYPOTHESIS VIII, Lizbon, Portugal, 01 April 2009, pp.1-10
69. **Üleksit'in Nükleer Soğurma Amacıyla Beton Üretiminde Kullanılması**
Kıpçak A. S., Pişkin M. B., Tuğrul N., Derun E.
7th International Mineral Symposium and Exhibition, Aydın, Turkey, 25 - 27 February 2009, pp.136-141
70. **Investigation of Vitrification Process Of Galvanic Sludge: As A Raw Material For Glass Industry**
DERE Ö., FİGEN H. E., PİŞKİN M. B.
7th International Industrial Minerals Symposium and Exhibition, Aydın, Turkey, 25 - 27 February 2009, pp.334-337
71. **Betonda Pandermit'in Nükleer Soğurma Amaçlı Değerlendirilmesi**
Kıpçak A. S., Derun E., Tuğrul N., Pişkin M. B.
7th International Mineral Symposium and Exhibition, Aydın, Turkey, 25 - 27 February 2009, pp.142-147
72. **The Use of Ulexite (NaCaB5O9.8H2O) in Concrete Production for Nuclear Absorption**
Kıpçak A. S., Pişkin M. B., Tuğrul N., Derun E.
7 th International Industrial Minerals Symposium and Exhibition, Aydın, Turkey, 25 - 27 February 2009, pp.1
73. **Betonda Pandermit'in (Ca4B10O19.7H2O) Nükleer Soğurma Amaçlı Değerlendirilmesi**
DERUN E., Tuğrul N., Pişkin M. B.
7th International Mineral Symposium and Exhibition, 25-27 February, Kuşadası, Turkey, 01 February 2009
74. **Üleksit' in (NaCaB5O9.8H2O) Nükleer Soğurma Amacıyla Beton Üretiminde Kullanılması**
Pişkin M. B., Tuğrul N., DERUN E.
7th International Mineral Symposium and Exhibition, 25-27 February, Kuşadası, Turkey, 01 February 2009
75. **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
76. **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
77. **The Effect of Thermal Treatment On Chemical And Physical Properties In Galvanic Sludge: Prevent Ecological Impact On Bioenvironment**
DERE ÖZDEMİR Ö., PİŞKİN M. B., SARI YILMAZ M., KANTÜRK FİGEN A.
The Seventh International Youth Environmental Forum of Baltic Region Countries ECOBALTICA, 26 - 28 June 2008

78. **Utilization of the Treatment Plant's Sludge as a Glass**
Pişkin M. B., Tuğrul N., Derun E., Türkkal I. M.
6th International Conference on Technologies For Waste and Wastewater Treatment Energy from Waste, Kalmar, Sweden, 26 - 28 November 2007, pp.145-155
79. **Utilization of Colemanite, Ulexite, Kernite and Tincalconite Minerals As Boron Source in Sodium Borohydride Production**
PİŞKİN M. B., SARI YILMAZ M., KANTÜRK FİGEN A.
2nd Balkan Mining Congress, 10 - 13 September 2007
80. **Reduction of Pyrite Ashes Pellets for Iron Production**
Tuğrul N., Derun E., Pişkin M. B., Ekerim A.
XVIII. Ulusal Elektron Mikroskopi Kongresi, Eskişehir, Turkey, 26 - 29 August 2007, pp.68
81. **Production of Lightweight Concrete by Using Pumice Aggregate and Industrial Boric Acid Waste**
Derun E., Srıalioğlu Ü., Pişkin M. B., Pişkin S.
The Twentieth International Conference on Solid Waste Technology and Management, Philadelphia, PA U.S.A, 3-6 April, Pennsylvania, United States Of America, 3 - 06 April 2005, pp.1-7
82. **Sb₂Te₃ ve Bi₂Te₃ İçerikli Yarı İletken Alaşımların Üretimi ve Termoelektrik, Yapısal, Mikroyapısal Özelliklerinin İncelenmesi**
Pişkin M. B., Derun E., Pişkin S.
Altıncı Ulusal Kimya Mühendisliği Kongresi, İzmir, Turkey, 7 - 10 September 2004, pp.1
83. **Evaluation of Pyrite Ash Wastes Obtained by the Sulfuric Acid Production Industry**
Tuğrul N., Derun E., Pişkin M. B., Pişkin S.
8th International Conference on Environmental Science and Technology, Mitilini, Greece, 8 - 10 September 2003, pp.918-925
84. **Leaching of Nallıhan Lignites with Some Acids**
GÜLEN F. J., DOYMAZ İ., PİŞKİN M. B., Özgen S., PİŞKİN S.
Proceedings of X. Balkan Mineral Processing Congress, Varna, Bulgaria, 15 June 2003, pp.303-307
85. **Recycling Heavy Metals from the Leach of Pyrite Ash Wastes**
Tuğrul N., Derun E., Pişkin M. B., Pişkin S.
X. Balkan Mineral Processing Congress, Varna, Bulgaria, 15 - 20 June 2003, pp.271-274
86. **Pelletization of Pyrite Ash Wastes for Utilization in Iron Production Industry**
Tuğrul N., Derun E., Pişkin M. B., Pişkin S.
X. Balkan Mineral Processing Congress, Varna, Bulgaria, 15 - 20 June 2003, pp.825-830
87. **DTA-TG studies on the pyrolysis of Zonguldak coals**
Derun E., Elbeyli İ., Sütçü H., Pişkin M. B., Pişkin S.
The Fifth International Conference on Chemical Physics, İstanbul, Turkey, 31 October - 01 November 2002, pp.1

Supervised Theses

Pişkin M. B., Alzheimer hastalığının tedavisinde nanopartikül temelli ilaç taşıyıcı sistemlerin kullanılması, Doctorate, İ.GÜREL(Student), Continues

Pişkin M. B., Kompozit Nanofiber İletken Kas Yamalarının C2C12 Miyoblast Hücrelerde Miyojenik Farklılaşma Üzerine Etkisinin İncelenmesi, Doctorate, A.ASLAN(Student), Continues

Pişkin M. B., Yara Tedavisinde Hidrojel İçerikli Biyomalzeme Üretimi, Doctorate, M.Abahuni(Student), Continues

Pişkin M. B., İşitme Kayıplı Bireylerde Uygun İşitme Cihazı Hoparlörünün Makine Öğrenmesi Aracıyla Belirlenmesi, Doctorate, B.BAYTAROĞLU(Student), Continues

Pişkin M. B., Kimyasal ve Yeşil Sentezle Üretilmiş Kobalt - Nikel Nanoalaşımların Üretimi, Karakterizasyonu ve Çimento Harç Katkısı Olarak Kullanımının Araştırılması, Doctorate, E.KARADUMAN(Student), 2024

Pişkin M. B., Farklı sıcaklıklarda üretilen katkılı ve katkısız titanyum dioksit'in kristal yapılarının ve özelliklerinin incelenmesi, Doctorate, C.Kılıç(Student), 2024

Pişkin M. B., FARKLI BİTKİ EKSTRAKTLARI YÜKLENMİŞ POLİMERİK YARA ÖRTÜ MALZEMESİ TASARIMI VE ÜRETİMİ,

Doctorate, C.REŞAT(Student), 2023

Pişkin M. B., Türkiye'nin Bursa yöresinde yetiştiriciliği yapılan Rosenthal çeşidi siyah frenk üzümünün (Ribes nigrum) içeriklerinin belirlenmesi ve antibakteriyel kullanımlarının değerlendirilmesi, Postgraduate, N.MERVE(Student), 2022

Pişkin M. B., Bitkisel içerikli polimerik nanolif yapıları biyomalzeme üretimi, karakterizasyonu ve yara örtüsü olarak etkinliğinin incelenmesi, Doctorate, B.ÖZDEMİR(Student), 2021

Pişkin M. B., Development and Characterization of Negative Ion Emitting Antimicrobial Composite Wall Paint, Postgraduate, A.ASLAN(Student), 2020

Pişkin M. B., Oryza Sativa türlerinden, Japonica türlerinin ılıman koşullarda yetiştirilebilmesi ve herbisit direncinin araştırılması amacıyla için tropikal indica donör bitkiden alel introgresyonu, Postgraduate, S.UZUNOĞLU(Student), 2020

Pişkin M. B., Kantaron çeşitlerinin kozmetik sanayide kullanım potansiyellerinin incelenmesi, Postgraduate, M.ABAHUNİ(Student), 2019

Pişkin M. B., Bilgisayar yardımıyla omuz protezi tasarlanması ve geliştirilmesi, Doctorate, D.VENÜS(Student), 2019

Pişkin M. B., Boya duyarlı güneş hücrelerinde kullanılmak üzere doğal boya üretimi, Postgraduate, S.BEKLEVİÇUYLASI(Student), 2018

Pişkin M. B., Katkılı ve katkısız titanyum dioksit kaplamaların üretimi ve karakterizasyonu, Postgraduate, C.KILIÇ(Student), 2018

Pişkin M. B., Kobalt-nikel nanopartiküllerinin ve karbon içerikli nanokompozitlerinin sentezi ve incelenmesi, Postgraduate, E.KARADUMAN(Student), 2017

Pişkin M. B., İlaç salınımı uygulamalarına yönelik fosfonik asit bazlı metal organik hibrit yapılarının geliştirilmesi, Postgraduate, G.YILMAZ(Student), 2017

Pişkin M. B., Bulk fill rezin dental kompozitlerin spektral, mekanik ve termal özelliklerinin incelenmesi, Postgraduate, T.HAZAL(Student), 2015

Metrics

Publication: 163

Citation (WoS): 166

Citation (Scopus): 279

H-Index (WoS): 7

H-Index (Scopus): 9

Research Areas

Biomedical Engineering, Chemical Engineering and Technology, Chemical Technologies, Metallurgical and Materials Engineering, Material science and engineering, Biomaterials, Thermal Properties, Biotechnology, Engineering and Technology

Non Academic Experience

Chemical Technology and Metallurgy Üniversitesi (Sofya-Bulgaristan), Erasmus Ders Verme faaliyeti
Marmara Üniversitesi, Sosyal Bilimler Enstitüsü, İşletme Fakültesi, "Kalite Teknikleri" ders verilmesi