

Prof. METİN GÜRÜ

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International Researcher IDs

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey 1985 - 1992

Undergraduate, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1976 - 1980

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Biotechnology, Chemical Technologies, Basic Operations and Thermodynamics

Academic Titles / Tasks

Professor, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2006 - Continues

Associate Professor, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2000 - 2006

Assistant Professor, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 1995 - 2000

Lecturer, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 1993 - 1995

Academic and Administrative Experience

Ethics Committee Member, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2021 - Continues

Member of the Senate, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2020 - Continues

Director of The Institution, Gazi University, Kazaları Araştırma ve Önleme Enstitüsü, 2020 - Continues

Fakülte Kurulu Üyesi, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2020 - 2023

Dean, Gazi University, Mühendislik Fakültesi, 2016 - 2016

Director of The Institution, Gazi University, Fen Bilimleri Enstitüsü, 2015 - 2016

Head of Department, Gazi University, Fen Bilimleri Enstitüsü, 2012 - 2014

Advising Theses

GÜRÜ M., Synthesis Of Magnesium And Calcium Fluoroborate With Fluoroboric Acid And Usability As Flame Retardant, Postgraduate, G.GÜNGÖR(Student), 2021

GÜRÜ M., Determination Of Thermophysical Properties Of Dolomite And Bauxite Based Nanofluids And Effect On Performance Of Thermal Systems, Doctorate, D.YILMAZ(Student), 2020

GÜRÜ M., AKKURT F., Synthesis Of Cobalt Fluoroborate And Usability As Flame Retardant, Postgraduate, R.BİBEROĞLU(Student), 2020

GÜRÜ M., Extraction Of Pharmaceutical Active Compounds From Juniperus Excelsa Fruits By Supercritical Carbon Dioxide Extraction, Postgraduate, E.MERİH(Student), 2020

GÜRÜ M., Pelemin Tohumundan Süperkritik Karbon Dioksit Ekstraksiyon Yöntemiyle Uçucu Yağ Ve İlaç Etken Maddelerinin Ekstraksiyonu, Postgraduate, S.CANER(Student), 2020

GÜRÜ M., Evaluation Of Flight Equipment In Terms Of Pilot Fatigue, Postgraduate, İ.GEVREK(Student), 2020

GÜRÜ M., Synthesis Of Lead Fluoroborate And Its Usage As A Flame Retardant, Postgraduate, H.KURT(Student), 2019

GÜRÜ M., Etanol kosolventli süperkritik karbondioksit özütlemesi metodu ile kırmızı kantaron bitkisinden ilaç etken maddesi flavonoidlerin ve toplam antioksidan maddelerin tespiti, Postgraduate, S.BAYRAM(Student), 2019

GÜRÜ M., The Determination Of Flavonoids And Total Antioxidant Substances Of A Drug Impact Of Red Kantaron Usage With The Supercritical Carbondioxide Extraction Method Of Ethanol Cosolventine, Postgraduate, S.Bayram(Student), 2019

GÜRÜ M., Performance Effect Of Thermal System And Thermophysical Properties Of Nano Mineralogic Fluids, Doctorate, U.KARAKAYA(Student), 2018

GÜRÜ M., Extraction Of Active Pharmaceutical Components From Oily Seeds By Supercritical Carbon Dioxide Method, Doctorate, L.NURALIN(Student), 2018

GÜRÜ M., Occupational Safety In Food Quality Control And Analysis Training, Postgraduate, A.BAHAR(Student), 2018

GÜRÜ M., Synthesis Of Copper Fluoroborate And Usability As Flame Retardant, Postgraduate, D.İPEK(Student), 2018

GÜRÜ M., Calcium Borohydride Synthesis By Magnesium Hydride Compound From Calcium Salt And Catalytic Dehydrogenation Of Borohydride Compounds, Doctorate, T.Akkaş(Student), 2016

GÜRÜ M., Mekanik alaşımlama yöntemi ile AA7075-karbon nanotüp takviyeli metal matrisli kompozit üretimi karakterizasyonu ve aşınma davranışlarının incelenmesi, Doctorate, M.YILDIRIM(Student), 2016

GÜRÜ M., Magnezyum hidrür bileşiğiyle kalsiyum tuzlarından kalsiyum borhidrür sentezi ve borhidrür bileşiklerinin katalitik dehidrojenasyonu, Doctorate, T.AKKAŞ(Student), 2016

GÜRÜ M., Jeotermal kaynaklardan flaş ve çift akışkanlı yöntemlerin birlikte optimizasyonu ile elektrik enerjisi üretimi, Postgraduate, M.YASİR(Student), 2015

GÜRÜ M., Optimization Of Electricity Generation From Geothermal Resources By Combining Flash And Binary Systems, Postgraduate, M.Yasir(Student), 2015

GÜRÜ M., Susuz bor oksit ve susuz kolemanitten kalsiyum borhidrür sentezi ve borhidrürlerin katalitik dehidrojenasyonu, Doctorate, A.FIRAT(Student), 2015

GÜRÜ M., Analysis Of Work Accidents, Assessment Of Risks And Safety Culture And Prevention Strategies In Telecommunication Sector, Doctorate, B.ENGİN(Student), 2015

GÜRÜ M., Synthesis Of Zinc Fluoroborate And Usability As Flame Retardant, Postgraduate, D.YILMAZ(Student), 2015

SÖZEN A., GÜRÜ M., The Influence Of Absorbents On The Cooling Performance Of Diffusion Absorption Mini-Refrigeration Systems, Postgraduate, S.ÖZTAŞ(Student), 2015

GÜRÜ M., Calcium borohydride synthesis from anhydrous boron oxide And anhydrous colemanite and catalytic dehydrogenation of Borohydrides, Doctorate, A.Firat(Student), 2015

GÜRÜ M., Bor oksitten mekanokimyasal sentez yöntemi ile indirgenmiş bor ürünlerinin üretimi, Postgraduate, D.GÖKDAI(Student), 2014

GÜRÜ M., Extraction of pharmaceutical active component from silybum marianum by supercritical fluid extraction, Doctorate, H.TUĞBA(Student), 2014

GÜRÜ M., Magnesium borate syntesis and usability as flame retardance pigment, Postgraduate, Ö.ATALAY(Student), 2013

GÜRÜ M., Mekanokimyasal yöntemle radar absorplayıcı madde sentezlenmesi için reaktör tasarımı ve katkılarla absorplayıcı malzemenin geliştirilmesi, Doctorate, A.RIZA(Student), 2013

GÜRÜ M., ÇUBUK M. K., The usability of waste polyethylene terephthalate (PET) products obtained by polimerization in asphalt concretes, Postgraduate, S.ALİ(Student), 2013

GÜRÜ M., Mekanokimyasal yöntemle demir silisyum bileşiğinin üretilmesi ve radar absorpsiyon malzemesi olarak kullanılabilirliği, Doctorate, G.AKTAŞ(Student), 2013

GÜRÜ M., Extraction of oil and phytosterols from the peach seeds and melon seeds by supercritical carbon dioxide, Doctorate, M.SERHAT(Student), 2013

GÜRÜ M., Removal of oil pollution in water by using waste styrofoam, tea fiber and polystyrene sorbents, Postgraduate, E.LALE(Student), 2013

GÜRÜ M., Recovery of co2 emission by boron solutions and conversion to economically valuable products, Doctorate, O.YILMAZ(Student), 2012

GÜRÜ M., Synthesis of borohydride from saline compounds and its catalytic dehydrogenation, Doctorate, M.Bilen(Student), 2012

GÜRÜ M., Atık plastiklerden kompozit malzeme üretimi ve karakterizasyonu, Doctorate, İ.BİLİCİ(Student), 2012

GÜRÜ M., [Production of al based cermet composite reinforced with boron carbide and caracterization, Postgraduate, D.UZUN(Student), 2011

GÜRÜ M., AR İ., Synthesis of sodium borohydride from sodium amide by mechanochemical process, its catalytic dehydrogenation and usage in fuel cells, Postgraduate, Ö.USTA(Student), 2011

GÜRÜ M., OPTIMIZATION OF THE ELECTRICITY PRODUCTION FROM GEOTHERMAL SOURCES BY BINARY SYSTEM, Postgraduate, A.KAPULLUOĞLU(Student), 2010

GÜRÜ M., Metal borohydrides synthesis and their usability in hydrogen recycle, Doctorate, Ç.ÇAKANYILDIRIM(Student), 2009

GÜRÜ M., OBTAINING CAFFEINE THROUGH WASTE TEA FIBER AND STALKS BY MAKING USE OF THE SUPERCRITICAL CARBON DIOXIDE EXTRACTION METHOD, Doctorate, H.İÇEN(Student), 2008

GÜRÜ M., Süperkritik karbon dioksit ekstraksiyon metodu ile atık çay lifleri ve saplarından kafein eldesi, Doctorate, H.İÇEN(Student), 2008

GÜRÜ M., Katkı maddeleri ile bitümün reolojik özelliklerinin geliştirilmesi ve esnek kaplama malzeme oluşumunda problemlerin giderilmesi, Doctorate, M.ÇUBUK(Student), 2007

GÜRÜ M., Çinko borat sentezi ve yüksek sıcaklıkta pigment olarak kullanılabilirliği, Postgraduate, B.AYAR(Student), 2007

GÜRÜ M., Gıda sektöründe HACCP uygulaması ve çevreyle etkileşimi, Postgraduate, Z.YASAN(Student), 2007

GÜRÜ M., IMPROVEMENT OF RHEOLOGICAL CHARACTERISTICS OF BITUMEN AND ELIMINATION OF PROBLEMS IN FLEXIBLE PAVEMENT MATERIAL FORMATION BY ADDITIVES, Doctorate, M.ÇUBUK(Student), 2007

GÜRÜ M., Uçucu külün yapı malzemelerinde bağlayıcılığa etkisinin araştırılması, Postgraduate, O.ÖZDEMİR(Student), 2007

GÜRÜ M., HERMAL SHOCK RESISTANT CERAMIC WITH BORANE PHOSPHOTE ADDITIVE, Postgraduate, A.SACİD(Student), 2007

GÜRÜ M., Manufacturing of polymer matrix composite metarial composite material using marble dust and fly ash, Postgraduate, E.AKIN(Student), 2007

GÜRÜ M., Sulardaki krom (III) kirliliğinin diatomit ile giderilmesi, Postgraduate, D.VENEDİK(Student), 2006

GÜRÜ M., Antep fıstığı kabuklarından polimer kompozit malzeme üretimi ve özelliklerinin geliştirilmesi, Postgraduate, M.ŞAHİN(Student), 2006

GÜRÜ M., Uçucu kül kullanılarak bor katkılı anortit üretimi, Postgraduate, U.AYDOĞAN(Student), 2006

GÜRÜ M., Hayvansal atık yağlardan biyodizel üretimi ve özelliklerinin geliştirilmesi, Postgraduate, B.DOĞAN(Student), 2006

GÜRÜ M., TEKELİ S., Farklı oranlarda SiO2 katkılı kübik zirkonyada (8YSCZ) sinterlenebilirlik ve statik tane büyümesinin incelenmesi, Postgraduate, O.EMRE(Student), 2006

GÜRÜ M., Ti-Fe alaşımlarından basıcsız infiltrasyon yöntemiyle seramik metalik kompozit malzeme üretimi, Postgraduate, İ.BİLİCİ(Student), 2005

ALTIPARMAK D., GÜRÜ M., Tall yağı esaslı biyodizel ve yakıt katkı maddesi üretimi ve bunların dizel motor performansı üzerindeki etkileri, Doctorate, A.KESKİN(Student), 2005

GÜRÜ M., Seramik takviyeli çinko metal matrisli kompozit malzeme üretimi ve karakterizasyonu, Postgraduate, M.KORÇAK(Student), 2005

GÜRÜ M., Tufanbeyli linyitlerindeki yanabilir kükürdün hidrojen peroksit çözeltisiyle uzaklaştırılması, Postgraduate, B.VOLKAN(Student), 2005

GÜRÜ M., Savunma sanayinde kullanılan tehlikeli maddelerin riskleri, giderilmesi ve mevzuatın değerlendirilmesi, Postgraduate, İ.ÖZKAN(Student), 2005

GÜRÜ M., Tufanbeyli linyitlerindeki yanabilir kükürdün nitrik asit çözeltisiyle uzaklaştırılması, Postgraduate, S.ARSLAN(Student), 2005

GÜRÜ M., AR İ., Magnezyum borhidrür sentezi ve hidrojen çeviriminde kullanımı, Postgraduate, S.KAYA(Student), 2005

GÜRÜ M., Bor tuzlarının çevre üzerindeki etkileri Emet Bor İşletme Müdürlüğü konsantratör tesisleri ve Emet Borik Asit Fabrikası, Postgraduate, M.ÜLKER(Student), 2004

GÜRÜ M., Sulardaki demir kirliliğinin katalitik hava oksidasyonu ile giderilmesi, Postgraduate, B.ENGİN(Student), 2004

GÜRÜ M., MgAl₂O₄/Al kompozit malzeme üretimi, Postgraduate, M.BİLEN(Student), 2003

GÜRÜ M., İzmir Körfezi'nin kirliliği, kaynakları ve giderilme tekniklerinin değerlendirilmesi, Postgraduate, T.BEYAZIT(Student), 2003

GÜRÜ M., Çay fabrikası atıklarından kafein eldesi ve optimum şartların belirlenmesi, Postgraduate, H.İÇEN(Student), 2001

GÜRÜ M., Motorinin özelliklerinin katkı maddeleriyle geliştirilmesi, Postgraduate, U.KARAKAYA(Student), 2000

GÜRÜ M., Fuel oil'deki kükürdün organometalik bileşiklerle külde tutulması, Postgraduate, M.KUŞÇUOĞLU(Student), 2000

GÜRÜ M., Biyokimyasal yöntemle kömürdeki yanabilir kükürdün giderilmesi, Postgraduate, M.ÇUBUK(Student), 1999

GÜRÜ M., Asfaltın kalite özelliklerinin katkı maddesi ilavesi ile iyileştirilmesi, Doctorate, E.NAZAN(Student), 1997

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of the effects of molasses-based fly ash compound on bitumen and bituminous mixture properties by laboratory tests**
Gürü M., Arslan D., Çubuk M. K., Öztürk Ş.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.39, no.1, pp.39-50, 2024 (SCI-Expanded)
- II. **Analysis of Pilot Distance Estimation in Different Lighting and Visibility Conditions**
Gevrek I., Akın M., Gürü M.
DEFENCE SCIENCE JOURNAL, no.6, pp.633-641, 2023 (SCI-Expanded)
- III. **Synthesis of Zinc Fluoroborate by Wet Method and Its Application as a Flame Retardant for Cotton Fabrics**
Aydın D. Y., GÜRÜ M.
Journal of Engineering Research (Kuwait), vol.11, no.2, pp.16-25, 2023 (SCI-Expanded)
- IV. **PRODUCTION OF COMPOSITE PARTICLEBOARD FROM WASTE PLUM PITS (<i>PRUNUS DOMESTICA</i>) AND IMPROVEMENT OF ITS CHARACTERISTICS**
Şahinöz M., Aruntaş H. Y., Gürü M.
CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.57, no.5-6, pp.587-598, 2023 (SCI-Expanded)
- V. **Improving Asphalt Binder and Hot Mix Asphalt Aging Properties by Adding Synthetic Polyboron and Organic Magnesium Oxide**
Calisici M., GÜRÜ M., ÇUBUK M. K.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.48, no.4, pp.4711-4718, 2023 (SCI-Expanded)
- VI. **Enhancement of Heat Transfer Performance of a Heat Pipe by Using Calcium Magnesium Carbonate-Ethylene Glycol/Water Nanofluid with Sodium Dodecylbenzene Sulfonate**
Aydın D. Y., Gürü M., Sözen A.
PERIODICA POLYTECHNICA-CHEMICAL ENGINEERING, vol.66, pp.609-616, 2022 (SCI-Expanded)
- VII. **Experimental research of the effects of organic manganese-added biodiesel produced from crambe orientalis oil on engine performance, combustion, and emissions**
Uyaroglu A., GÜRÜ M., UYUMAZ A., Kocakulak T.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.41, no.5, 2022 (SCI-Expanded)
- VIII. **Nanofluids: preparation, stability, properties, and thermal performance in terms of thermo-hydraulic, thermodynamics and thermo-economic analysis**

Aydin D. Y., GÜRÜ M.

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.147, no.14, pp.7631-7664, 2022 (SCI-Expanded)

- IX. **Processing of polymer wood composite material from pine cone and the binder of phenol formaldehyde/PVAc/molasses and improvement of its properties**
Şahinöz M., Aruntaş H. Y., Gürü M.
Case Studies in Construction Materials, vol.16, 2022 (SCI-Expanded)
- X. **Berberis Vulgaris Fruit: Determination of Phenolic Compounds in Extracts Obtained by Supercritical CO₂ and Soxhlet Methods Using HPLC**
NURALIN L., GÜRÜ M.
FOOD ANALYTICAL METHODS, vol.15, no.4, pp.877-889, 2022 (SCI-Expanded)
- XI. **The investigation of synthesis parameters, kinetic and flame retardant properties of magnesium fluoroborate**
GÜRÜ M., Gungor G., Aydin D. Y., ÇAKANYILDIRIM Ç.
CHEMICAL PAPERS, vol.76, no.3, pp.1313-1320, 2022 (SCI-Expanded)
- XII. **NaBH₄ hydrolysis performance and kinetic evaluation of synthetic Co-Mn-Pt catalyst prepared with different supports**
ÇAKANYILDIRIM Ç., GÜRÜ M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.37, no.1, pp.423-437, 2022 (SCI-Expanded)
- XIII. **The effects of particle mass fraction and static magnetic field on the thermal performance of NiFe₂O₄ nanofluid in a heat pipe**
Aydin D. Y., Aydin E., GÜRÜ M.
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.183, 2022 (SCI-Expanded)
- XIV. **Extraction and quantification of some valuable flavonoids from pinecone of Pinus brutia via Soxhlet and Supercritical CO₂ extraction: a comparison study**
NURALIN L., GÜRÜ M., ÇETE S.
CHEMICAL PAPERS, vol.75, no.10, pp.5363-5373, 2021 (SCI-Expanded)
- XV. **Combustion, performance and emission analyses of organic Manganese-Added crambe abyssinica biodiesel in a direct injection diesel engine**
Uyaroglu A., GÜRÜ M., Kocakulak T., Uyumaz A., SOLMAZ H.
FUEL, vol.297, 2021 (SCI-Expanded)
- XVI. **INVESTIGATION OF SYNTHESIS PARAMETERS OF ANTIMONY FLUOROBORATE AND ITS USABILITY AS A FLAME RETARDANT FOR CELLULOSIC FABRICS**
Aydin D. Y., GÜRÜ M., AKKURT F.
CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.55, no.7-8, pp.893-900, 2021 (SCI-Expanded)
- XVII. **The Impacts of Nanoparticle Concentration and Surfactant Type on Thermal Performance of A Thermosyphon Heat Pipe Working With Bauxite Nanofluid**
Yılmaz Aydin D., ÇİFTÇİ E., GÜRÜ M., SÖZEN A.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.43, no.12, pp.1524-1548, 2021 (SCI-Expanded)
- XVIII. **The Effects of Triton X-100 and Tween 80 Surfactants on the Thermal Performance of a Nano-Lubricant: An Experimental Study**
Akkaya M., MENLİK T., SÖZEN A., GÜRÜ M.
INTERNATIONAL JOURNAL OF PRECISION ENGINEERING AND MANUFACTURING-GREEN TECHNOLOGY, vol.8, no.3, pp.955-967, 2021 (SCI-Expanded)
- XIX. **Investigation of the effects of base fluid type of the nanofluid on heat pipe performance**
Aydin D. Y., Gürü M., Sözen A., Çiftçi E.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART A-JOURNAL OF POWER AND ENERGY, vol.235, no.1, pp.124-138, 2021 (SCI-Expanded)
- XX. **RELEASING HYDROGEN FROM NABH(4) VIA HYDROGEL BASED CoF₂ CATALYST**
Akkas Boynuegri T., GÜRÜ M.

ISI BILIMI VE TEKNİĞİ DERGİSİ-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.41, no.1, pp.1-9, 2021 (SCI-Expanded)

- XXI. **Determination of soxhlet extraction conditions of silibinin and rutin components in Juniperus excelsa M. Bieb fruits using experimental design method**
NURALIN L., GÜRÜ M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.4, pp.1775-1784, 2021 (SCI-Expanded)
- XXII. **Investigation of Mechanical Properties of AA7075 Alloys Aged by Various Heat Treatments**
Sunar T., Tuncay T., Ozyurek D., GÜRÜ M.
PHYSICS OF METALS AND METALLOGRAPHY, vol.121, no.14, pp.1440-1446, 2020 (SCI-Expanded)
- XXIII. **Investigation of the influences of kaolin-deionized water nanofluid on the thermal behavior of concentric type heat exchanger**
Khanlari A., Aydin D. Y., SÖZEN A., GÜRÜ M., VARIYENLİ H. İ.
HEAT AND MASS TRANSFER, vol.56, no.5, pp.1453-1462, 2020 (SCI-Expanded)
- XXIV. **Effect of Milling Time on Dry Sliding Wear Behaviors of Carbon Nanotubes Reinforced Al Matrix Composites**
YILDIRIM M., ÖZYÜREK D., GÜRÜ M.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, vol.20, no.4, pp.2633-2638, 2020 (SCI-Expanded)
- XXV. **EXPERIMENTAL INVESTIGATION ON THERMAL PERFORMANCE OF THERMOSYPHON HEAT PIPE USING DOLOMITE/DEIONIZED WATER NANOFLUID DEPENDING ON NANOPARTICLE CONCENTRATION AND SURFACTANT TYPE**
Aydin D. Y., GÜRÜ M., SÖZEN A.
HEAT TRANSFER RESEARCH, vol.51, no.11, pp.1073-1085, 2020 (SCI-Expanded)
- XXVI. **EXPERIMENTAL INVESTIGATION OF NANOLUBRICANT USAGE IN A COOLING SYSTEM AT DIFFERENT NANOPARTICLE CONCENTRATIONS**
Akkaya M., MENLİK T., SÖZEN A., GÜRÜ M.
HEAT TRANSFER RESEARCH, vol.51, no.10, pp.949-965, 2020 (SCI-Expanded)
- XXVII. **Investigation of rheological and mechanical properties of kaolin-clay modified bitumen**
Arslan D., GÜRÜ M., ÇUBUK M. K., Cubuk M., Farshbafian F. K.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, no.3, pp.1409-1419, 2020 (SCI-Expanded)
- XXVIII. **Experimental and numerical study on enhancement of heat transfer characteristics of a heat pipe utilizing aqueous clinoptilolite nanofluid**
Sözen A., Gürü M., Khanlari A., Çiftçi E.
APPLIED THERMAL ENGINEERING, vol.160, 2019 (SCI-Expanded)
- XXIX. **Obtainment of Copper(II) Fluoroborate by High-Energy Impacted Ball-Milling**
Aydin D. Y., Guru M., Ipek D., Ozyurek D.
ACTA PHYSICA POLONICA A, vol.135, no.5, pp.888-891, 2019 (SCI-Expanded)
- XXX. **PRODUCTION OF USEFUL COMPOSITE PARTICLEBOARD FROM WASTE ORANGE PEEL**
TAŞDEMİR H. M., ŞAHİN A., Karabulut A. F., GÜRÜ M.
CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.53, pp.517-526, 2019 (SCI-Expanded)
- XXXI. **The Effect of Milling Time on Microstructure and Wear Behaviours of AISI 304 Stainless Steel Produced by Powder Metallurgy**
Yavuzer B., Ozyurek D., Guru M.
ACTA PHYSICA POLONICA A, vol.135, no.4, pp.735-738, 2019 (SCI-Expanded)
- XXXII. **Influences of bentonite-deionized water nanofluid utilization at different concentrations on heat pipe performance: An experimental study**
Guru M., SÖZEN A., Karakaya U., ÇİFTÇİ E.
APPLIED THERMAL ENGINEERING, vol.148, pp.632-640, 2019 (SCI-Expanded)
- XXXIII. **Extraction of phytosterols from melon (Cucumis melo) seeds by supercritical CO₂ as a clean technology**

- Ekinci M. S., GÜRÜ M.
GREEN PROCESSING AND SYNTHESIS, vol.8, no.1, pp.677-682, 2019 (SCI-Expanded)
- XXXIV. **PERFORMANCE IMPROVEMENT OF THE HEAT RECOVERY UNIT WITH SEQUENTIAL TYPE HEAT PIPES USING TiO₂ NANOFLUID**
ÖZTÜRK A., ÖZALP M., SÖZEN A., GÜRÜ M.
THERMAL SCIENCE, vol.23, no.3, pp.1755-1764, 2019 (SCI-Expanded)
- XXXV. **COMPARISON BETWEEN HEAT TRANSFER CHARACTERISTICS OF TiO₂/DEIONIZED WATER AND KAOLIN/DEIONIZED WATER NANOFLUIDS IN THE PLATE HEAT EXCHANGER**
Khanlari A., SÖZEN A., VARİYENLİ H. İ., GÜRÜ M.
HEAT TRANSFER RESEARCH, vol.50, no.5, pp.435-450, 2019 (SCI-Expanded)
- XXXVI. **INVESTIGATION OF PYROLYSIS OF WASTE POLYETHYLENE (PE) AND EFFECTS ON DIESEL ENGINE AND EMISSION PARAMETERS**
BİLİCİ İ., GÜRÜ M., KESKİN A.
ISI BILIMI VE TEKNİĞİ DERGİSİ-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.39, no.1, pp.51-58, 2019 (SCI-Expanded)
- XXXVII. **Investigation of the properties of composite material produced from mint fiber added waste palm kernel**
TAŞDEMİR H. M., ŞAHİN A., Karabulut A. F., GÜRÜ M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, no.1, pp.409-420, 2019 (SCI-Expanded)
- XXXVIII. **Synthesis and characterization of sodium borohydride and a novel catalyst for its dehydrogenation**
AR İ., Guler O. U., GÜRÜ M.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.44, pp.20214-20233, 2018 (SCI-Expanded)
- XXXIX. **Effect of chicken feather and boron compounds as filler on mechanical and flame retardancy properties of polymer composite materials**
Kuru D., Borazan A. A., Guru M.
WASTE MANAGEMENT & RESEARCH, vol.36, no.11, pp.1029-1036, 2018 (SCI-Expanded)
- XL. **Determination of Mass Transfer Coefficients on the Obtaining of Caffeine from Tea Stalk by Supercritical Carbon Dioxide With and Without Ethanol**
İÇEN H., GÜRÜ M.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.43, no.5, pp.2257-2262, 2018 (SCI-Expanded)
- XLI. **Improving the aging resistance of bitumen by addition of polymer based diethylene glycol**
Calisici M., GÜRÜ M., Cubak M. K., CANSIZ Ö. F.
CONSTRUCTION AND BUILDING MATERIALS, vol.169, pp.283-288, 2018 (SCI-Expanded)
- XLII. **Experimental comparison of Triton X-100 and sodium dodecyl benzene sulfonate surfactants on thermal performance of TiO₂-deionized water nanofluid in a thermosiphon**
Sözen A., Gürü M., Menlik T., Karakaya U., Çiftçi E.
EXPERIMENTAL HEAT TRANSFER, vol.31, no.5, pp.450-469, 2018 (SCI-Expanded)
- XLIII. **Improvement of bitumen performance properties with nano magnesium spinel and colemanite**
Ocal A., GÜRÜ M., KARACASU M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.33, no.3, pp.939-951, 2018 (SCI-Expanded)
- XLIV. **USAGE OF A DIATOMITE-CONTAINING NANOFLUID AS THE WORKING FLUID IN A WICKLESS LOOP HEAT PIPE: EXPERIMENTAL AND NUMERICAL STUDY**
SÖZEN A., ÇİFTÇİ E., KEÇEL S., GÜRÜ M., VARİYENLİ H. İ., Karakaya U.
HEAT TRANSFER RESEARCH, vol.49, no.17, pp.1721-1744, 2018 (SCI-Expanded)
- XLV. **Synthesis and Characterization of Zinc Fluoroborate from Zinc Fluoride and Boron by Mechanochemical Reaction**
Aydın D. Y., GÜRÜ M., İpek D., ÖZYÜREK D.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.42, no.10, pp.4409-4416, 2017 (SCI-Expanded)
- XLVI. **Conversion of KCl into KBH₄ by Mechano-Chemical Reaction and its Catalytic Decomposition**

- Bilen M., GÜRÜ M., ÇAKANYILDIRIM Ç.
JOURNAL OF ELECTRONIC MATERIALS, vol.46, no.7, pp.4126-4132, 2017 (SCI-Expanded)
- XLVII. **A new approach to the manufacturing of elemental boron from boron oxide by carbon monoxide**
GÖKDAI D., GÜRÜ M., Togrul T.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.28, pp.18028-18033, 2017 (SCI-Expanded)
- XLVIII. **Catalytic dehydrogenation of calcium borohydride by using hydrogel catalyst**
Boynuegri T. A., GÜRÜ M.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.28, pp.17869-17873, 2017 (SCI-Expanded)
- XLIX. **Effects of Sugar Beet Molasses and Molasses-Based Boron Oxide Compound on Bitumen Properties**
GÜRÜ M., Cubuk M. K., Arslan D., Aminbakhsh S.
JOURNAL OF MATERIALS IN CIVIL ENGINEERING, vol.29, no.4, 2017 (SCI-Expanded)
- L. **Mechanical and Thermal Properties of Particleboard Manufactured from Waste Peachnut Shell with Glass Powder**
ŞAHİN A., TAŞDEMİR H. M., Karabulut A. F., GÜRÜ M.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.42, no.4, pp.1559-1568, 2017 (SCI-Expanded)
- LI. **Utilization of blast furnace slag nano-fluids in two-phase closed thermos-syphon heat pipes for enhancing heat transfer**
SÖZEN A., Guru M., Menlik T., Aktas M.
EXPERIMENTAL HEAT TRANSFER, vol.30, no.2, pp.112-125, 2017 (SCI-Expanded)
- LII. **UPGRADING THE THERMAL PERFORMANCE OF PARALLEL AND CROSS-FLOW CONCENTRIC TUBE HEAT EXCHANGERS USING MgO NANOFLUID**
SÖZEN A., VARIYENLİ H. İ., ÖZDEMİR M. B., GÜRÜ M.
HEAT TRANSFER RESEARCH, vol.48, no.5, pp.419-434, 2017 (SCI-Expanded)
- LIII. **Effect of Sintering Time on Hardness and Wear Behaviours of Carbon Nanotubes Reinforced Aluminium Matrix Composites**
YILDIRIM M., Ozyurek D., Guru M.
ACTA PHYSICA POLONICA A, vol.131, no.1, pp.92-95, 2017 (SCI-Expanded)
- LIV. **Optimisation of quercetin amount via response surface methodology for elaeagnus seeds by supercritical CO₂ extraction method**
NURALIN L., Tosun A., EROL F., Akgun F. B., GÜRÜ M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, no.4, pp.1233-1241, 2017 (SCI-Expanded)
- LV. **Decomposition of NaBH₄ with self-regeneration of carbon-supported CoCl₂ catalyst**
ÇAKANYILDIRIM Ç., GÜRÜ M.
INTERNATIONAL JOURNAL OF GREEN ENERGY, vol.14, no.12, pp.1005-1010, 2017 (SCI-Expanded)
- LVI. **Upgrading of the thermal performance of two-phase closed thermosyphon (TPCT) using fusel oil**
SÖZEN A., MENLİK T., GÜRÜ M., AKTAŞ M.
HEAT AND MASS TRANSFER, vol.53, no.1, pp.141-149, 2017 (SCI-Expanded)
- LVII. **The Effects of Precipitate Size on the Hardness and Wear Behaviors of Aged 7075 Aluminum Alloys Produced by Powder Metallurgy Route**
YILDIRIM M., ÖZYÜREK D., GÜRÜ M.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.41, no.11, pp.4273-4281, 2016 (SCI-Expanded)
- LVIII. **Investigation of the effects of organic based manganese addition to biodiesel on combustion and exhaust emissions**
Celik M., YÜCESU H. S., GÜRÜ M.
FUEL PROCESSING TECHNOLOGY, vol.152, pp.83-92, 2016 (SCI-Expanded)
- LIX. **Evaluation of Biodiesel Production, Engine Performance, and Emissions**
GÜRÜ M., KESKİN A.
JOURNAL OF ELECTRONIC MATERIALS, vol.45, no.8, pp.3882-3888, 2016 (SCI-Expanded)
- LX. **Synthesis of Ca(BH₄)(2) from Synthetic Colemanite Used in Hydrogen Storage by Mechanochemical Reaction**

- Karabulut A. F., GÜRÜ M., Boynuegri T. A., Aydin M. Y.
JOURNAL OF ELECTRONIC MATERIALS, vol.45, no.8, pp.3957-3963, 2016 (SCI-Expanded)
- LXI. **Heat transfer enhancement using alumina and fly ash nanofluids in parallel and cross-flow concentric tube heat exchangers**
SÖZEN A., VARİYENLİ H. İ., ÖZDEMİR M. B., GÜRÜ M., Aytac I.
JOURNAL OF THE ENERGY INSTITUTE, vol.89, no.3, pp.414-424, 2016 (SCI-Expanded)
- LXII. **Synthesis of Borohydride and Catalytic Dehydrogenation by Hydrogel Based Catalyst**
Boynuegri T. A., Karabulut A. F., GÜRÜ M.
JOURNAL OF ELECTRONIC MATERIALS, vol.45, no.8, pp.3949-3956, 2016 (SCI-Expanded)
- LXIII. **Improving the Thermal Performance of Parallel and Cross-Flow Concentric Tube Heat Exchangers Using Fly-Ash Nanofluid**
SÖZEN A., VARİYENLİ H. İ., ÖZDEMİR M. B., GÜRÜ M.
HEAT TRANSFER ENGINEERING, vol.37, no.9, pp.805-813, 2016 (SCI-Expanded)
- LXIV. **Utilization of Fly Ash Nanofluids in Two-phase Closed Thermosyphon for Enhancing Heat Transfer**
SÖZEN A., Menlik T., Guru M., Irmak A. F., Kilic F., Aktas M.
EXPERIMENTAL HEAT TRANSFER, vol.29, no.3, pp.337-354, 2016 (SCI-Expanded)
- LXV. **A comparative investigation on the effect of fly-ash and alumina nanofluids on the thermal performance of two-phase closed thermo-syphon heat pipes**
SÖZEN A., MENLİK T., GÜRÜ M., BORAN K., KILIÇ F., AKTAŞ M., Cakir M. T.
APPLIED THERMAL ENGINEERING, vol.96, pp.330-337, 2016 (SCI-Expanded)
- LXVI. **Investigation of microstructure and wear behaviors of al matrix composites reinforced by carbon nanotube**
YILDIRIM M., ÖZYÜREK D., GÜRÜ M.
FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES, vol.24, no.7, pp.467-473, 2016 (SCI-Expanded)
- LXVII. **SYNTHESIS AND CHARACTERIZATION OF ELEMENTAL BORON FROM BORON OXIDE BY MECHANOCHEMICAL METHOD**
GÖKDAI D., GÜRÜ M., TOĞRUL T.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, no.2, pp.425-433, 2016 (SCI-Expanded)
- LXVIII. **EFFECT OF PAINT PROPERTIES ON RADAR ABSORPTION CAPACITY**
Aktas G., Aktas A. R., GÜRÜ M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, no.1, pp.87-93, 2016 (SCI-Expanded)
- LXIX. **Synthesis of LiBH₄ from LiBO₂ as hydrogen carrier and its catalytic dehydrogenation**
Bilen M., Yilmaz O., GÜRÜ M.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.40, no.44, pp.15213-15217, 2015 (SCI-Expanded)
- LXX. **Absorption of combustion gases in boron solutions and recovery as industrial products**
Yilmaz O., Bilen M., GÜRÜ M.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.40, no.44, pp.15352-15357, 2015 (SCI-Expanded)
- LXXI. **The potential of poppy (Papaver somniferum Linnaeus) husk for manufacturing wood-based particleboards**
KESKİN H., Kucuktuvek M., GÜRÜ M.
CONSTRUCTION AND BUILDING MATERIALS, vol.95, pp.224-231, 2015 (SCI-Expanded)
- LXXII. **Processing of Fireproof and High Temperature Durable Particleboard from Rice Husk**
GÜRÜ M., Karabulut A. F., Aydin M. Y., Bilici I.
HIGH TEMPERATURE MATERIALS AND PROCESSES, vol.34, no.6, pp.599-604, 2015 (SCI-Expanded)
- LXXIII. **Heat transfer enhancement using MgO/water nanofluid in heat pipe**
MENLİK T., SÖZEN A., GÜRÜ M., Oztas S.
JOURNAL OF THE ENERGY INSTITUTE, vol.88, no.3, pp.247-257, 2015 (SCI-Expanded)
- LXXIV. **Extraction of oil and silybin compounds from milk thistle seeds using supercritical carbon dioxide**
Celik H. T., GÜRÜ M.

JOURNAL OF SUPERCRITICAL FLUIDS, vol.100, pp.105-109, 2015 (SCI-Expanded)

- LXXV. **Effects of fly ash and boric acid on Y2O3-stabilized tetragonal ZrO2 dispersed with MgAl2O4: An experimental study on rat subcutaneous tissue**
ERGÜN G., GÜRÜ M., EĞİLMEZ F., ÇEKİÇ NAGAŞ I., Yılmaz D.
ANNALS OF ANATOMY-ANATOMISCHER ANZEIGER, vol.199, pp.23-29, 2015 (SCI-Expanded)
- LXXVI. **ALTERNATIVE ENERGY STORAGE KEY COMPONENT TRIMETHYL BORATE: SYNTHESIS, DEHYDRATION AND KINETIC PARAMETERS**
ÇAKANYILDIRIM Ç., GÜRÜ M.
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.35, no.1, pp.53-57, 2015 (SCI-Expanded)
- LXXVII. **Improving the thermal performance of diffusion absorption refrigeration system with alumina nanofluids: An experimental study**
SÖZEN A., ÖZBAŞ E., MENLİK T., Cakir M. T., GÜRÜ M., BORAN K.
INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID, vol.44, pp.73-80, 2014 (SCI-Expanded)
- LXXVIII. **An approach to the usage of polyethylene terephthalate (PET) waste as roadway pavement material**
GÜRÜ M., ÇUBUK M. K., Arslan D., Farzanian S. A., BİLİCİ İ.
JOURNAL OF HAZARDOUS MATERIALS, vol.279, pp.302-310, 2014 (SCI-Expanded)
- LXXIX. **Extraction of oil and beta-sitosterol from peach (Prunus persica) seeds using supercritical carbon dioxide**
Ekinci M. S., GÜRÜ M.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.92, pp.319-323, 2014 (SCI-Expanded)
- LXXX. **Rheological Properties and Performance Evaluation of Phenol Formaldehyde Modified Bitumen**
Cubuk M., GÜRÜ M., ÇUBUK M. K., Arslan D.
JOURNAL OF MATERIALS IN CIVIL ENGINEERING, vol.26, no.6, 2014 (SCI-Expanded)
- LXXXI. **DETERMINATION OF RHEOLOGICAL PROPERTIES OF ZINC BORATE REINFORCED POLYPROPYLENE**
GÜLDAŞ A., Cankaya A., GÜLLÜ A., GÜRÜ M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.29, no.2, pp.227-234, 2014 (SCI-Expanded)
- LXXXII. **Preventing of rutting and crackings in the bituminous mixtures by monoethylene and diethylene glycol based synthetic polyboron compounds**
Arslan D., GÜRÜ M., ÇUBUK M. K.
CONSTRUCTION AND BUILDING MATERIALS, vol.50, pp.102-107, 2014 (SCI-Expanded)
- LXXXIII. **CLEANING UP OIL SPILLS ON WATER SURFACE WITH WASTES OF GRANULAR STYROFOAM, TEA FIBERS AND POLYSTYRENE FOAM**
Cubuk M., GÜRÜ M., Ugurlu E. L.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.29, no.2, pp.281-287, 2014 (SCI-Expanded)
- LXXXIV. **PRODUCTION OF BORON CARBIDE BY MECHANOCHEMICAL METHOD AND INVESTIGATION OF USABILITY ON THE ALUMINIUM BASED COMPOSITE MATERIAL**
Arslan D., GÜRÜ M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.28, no.4, pp.875-883, 2013 (SCI-Expanded)
- LXXXV. **INVESTIGATION OF DESIGNING, MANUFACTURING AND PERFORMANCE OF DOUBLE-GROOVED PARABOLIC TROUGH- TYPE SOLAR COLLECTOR**
Ercoskun G. T., KESKİN A., GÜRÜ M., ALTIPARMAK D.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.28, no.4, pp.855-863, 2013 (SCI-Expanded)
- LXXXVI. **INFLUENCE OF TITANIUM BASED FUEL ADDITIVE ON DIESEL ENGINE PERFORMANCE AND EMISSIONS**
KESKİN A., Ocakoglu K., REŞİTOĞLU İ. A., GÜRÜ M.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.28, no.3, pp.671-676, 2013 (SCI-Expanded)

LXXXVII. **Role of NaCl in NaBH₄ production and its hydrolysis**

Bilen M., GÜRÜ M., ÇAKANYILDIRIM Ç.

ENERGY CONVERSION AND MANAGEMENT, vol.72, pp.134-140, 2013 (SCI-Expanded)

LXXXVIII. **IMPROVEMENT OF PROPERTIES OF BITUMEN BY ORGANIC-BASED MAGNESIUM ADDITIVE**

Cubuk M., GÜRÜ M., ÇUBUK M. K., Arslan D.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.28, no.2, pp.257-264, 2013 (SCI-Expanded)

LXXXIX. **Effects of trout-oil methyl ester on a diesel engine performance and emission characteristics**

BÜYÜKKAYA E., Benli S., KARAASLAN S., GÜRÜ M.

ENERGY CONVERSION AND MANAGEMENT, vol.69, pp.41-48, 2013 (SCI-Expanded)

XC. **ISOLATION, INHIBITION AND KINETIC MODELLING OF ALKALINE PHOSPHATASE (ALP) ENZYME**

Durak Z. E., GÜRÜ M.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.28, no.1, pp.209-215, 2013 (SCI-Expanded)

XCI. **Improvement of hot mix asphalt performance in cold regions by organic-based synthetic compounds**

Arslan D., GÜRÜ M., ÇUBUK M. K.

COLD REGIONS SCIENCE AND TECHNOLOGY, vol.85, pp.250-255, 2013 (SCI-Expanded)

XCII. **Performance assessment of organic-based synthetic calcium and boric acid modified bitumens**

Arslan D., GÜRÜ M., ÇUBUK M. K.

FUEL, vol.102, pp.766-772, 2012 (SCI-Expanded)

XCIII. **IMPROVEMENT OF BITUMEN AND BITUMINIOUS MIXTURES PERFORMANCE PROPERTIES WITH ORGANIC BASED ZINCPHOSPHATE COMPOUND**

Arslan D., GÜRÜ M., ÇUBUK M. K.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.27, no.2, pp.459-466, 2012 (SCI-Expanded)

XCIV. **The Optimization of Electricity Production from Geothermal Sources by a Binary System**

Guru M., Kapulluoglu A.

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.34, pp.278-286, 2012 (SCI-Expanded)

XCV. **The Processing of NaBH₄ from Na₂B₄O₇ by Mechano-chemical Synthesis and Its Catalytic Dehydrogenation**

Cakanyildirim C., Guru M.

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.34, no.12, pp.1104-1113, 2012 (SCI-Expanded)

XCVI. **Electricity production from geothermal sources by binary system; choosing secondary fluids**

Kapulluoglu A., GÜRÜ M.

INTERNATIONAL JOURNAL OF EXERGY, vol.11, no.1, pp.112-118, 2012 (SCI-Expanded)

XCVII. **The Optimization of the Esterification Reaction in Biodiesel Production from Trap Grease**

Resitoglu I. A., Keskin A., Guru M.

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.34, no.13, pp.1238-1248, 2012 (SCI-Expanded)

XCVIII. **INVESTIGATION OF BORON AND ARSENIC POLLUTION IN KUTAHYA-EMET REGION UNDERGROUND WATER SAMPLES**

Uenlue M. I., Bilen M., GÜRÜ M.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.4, pp.753-760, 2011 (SCI-Expanded)

XCIX. **USABILITY OF FLY ASH AND BORIC ACID IN THE PRODUCTION OF ANORTHITE CERAMIC MATERIAL**

Aydogan U., Bilen M., GÜRÜ M.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.4, pp.761-769,

2011 (SCI-Expanded)

- C. **Improvement of bitumen and bituminous mixtures performances by triethylene glycol based synthetic polyboron**
Arslan D., GÜRÜ M., ÇUBUK M. K., Cubuk M.
CONSTRUCTION AND BUILDING MATERIALS, vol.25, no.10, pp.3863-3868, 2011 (SCI-Expanded)
- CI. **INVESTIGATION OF VISCOSITY OF HEAVY FUEL OIL WITH MANGANESE ADDITIVE AND TEMPERATURE**
GÜRÜ M., Bilici I., Arslan D.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.3, pp.631-634, 2011 (SCI-Expanded)
- CII. **IMPROVEMENT OF PERFORMANCE AND EMISSION CRITERIAS OF PETRODIESEL AND RAPESEED OIL BIODIESEL WITH MANGANESE BASED ADDITIVE**
Celikten I., GÜRÜ M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.3, pp.643-648, 2011 (SCI-Expanded)
- CIII. **THE EFFECT OF POLYTETRAFLUOROETHYLENE ON THE RHEOLOGICAL PROPERTIES OF BITUMEN**
Cubuk M., GÜRÜ M., ÇUBUK M. K.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.3, pp.623-630, 2011 (SCI-Expanded)
- CIV. **Synthesis of Magnesium Borohydride from Its Elements and Usage in the Hydrogen Cycle**
Kaya S., Guru M., Ar I.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.33, no.23, pp.2157-2170, 2011 (SCI-Expanded)
- CV. **The Production of NaBH₄ from Its Elements by Mechano-chemical Reaction and Usage in Hydrogen Recycle**
Cakanyildirim C., Guru M.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.33, no.20, pp.1912-1920, 2011 (SCI-Expanded)
- CVI. **Development of Low Cost Heterogeneous Catalysts for Biodiesel Processes**
Balbasi M., Bartan A., Ar I., Guru M.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.33, no.11, pp.1035-1047, 2011 (SCI-Expanded)
- CVII. **The Effects of Ethanol and Propanol Additions Into Unleaded Gasoline on Exhaust and Noise Emissions of a Spark Ignition Engine**
Keskin A., Guru M.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.33, no.23, pp.2194-2205, 2011 (SCI-Expanded)
- CVIII. **Influence of metallic based fuel additives on performance and exhaust emissions of diesel engine**
KESKİN A., GÜRÜ M., ALTIPARMAK D.
ENERGY CONVERSION AND MANAGEMENT, vol.52, no.1, pp.60-65, 2011 (SCI-Expanded)
- CIX. **Usage of methyl ester of tall oil fatty acids and resinic acids as alternative diesel fuel**
Keskin A., Yasar A., GÜRÜ M., ALTIPARMAK D.
ENERGY CONVERSION AND MANAGEMENT, vol.51, no.12, pp.2863-2868, 2010 (SCI-Expanded)
- CX. **Effect of ethanol content on supercritical carbon dioxide extraction of caffeine from tea stalk and fiber wastes**
İÇEN H., GÜRÜ M.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.55, no.1, pp.156-160, 2010 (SCI-Expanded)
- CXI. **Effect of Al₂O₃ amount on microstructure and wear properties of Al-Al₂O₃ metal matrix composites prepared using mechanical alloying method**
Ozyurek D., Tekeli S., Gural A., Meyveci A., Guru M.
Powder Metallurgy and Metal Ceramics, vol.49, pp.289-294, 2010 (SCI-Expanded)

- CXII. **Processing of NaBH₄ from NaBO₂ with MgH₂ by ball milling and usage as hydrogen carrier**
Cakanyildirim C., GÜRÜ M.
RENEWABLE ENERGY, vol.35, no.9, pp.1895-1899, 2010 (SCI-Expanded)
- CXIII. **Utilization of waste marble dust as an additive in cement production**
ARUNTAŞ H. Y., GÜRÜ M., Dayi M., Tekin I.
MATERIALS & DESIGN, vol.31, no.8, pp.4039-4042, 2010 (SCI-Expanded)
- CXIV. **Supported CoCl₂ catalyst for NaBH₄ dehydrogenation**
Cakanyildirim C., GÜRÜ M.
RENEWABLE ENERGY, vol.35, no.4, pp.839-844, 2010 (SCI-Expanded)
- CXV. **Biodiesel production from waste chicken fat based sources and evaluation with Mg based additive in a diesel engine**
GÜRÜ M., Koca A., Can O., ÇINAR C., ŞAHİN F.
Renewable Energy, vol.35, no.3, pp.637-643, 2010 (SCI-Expanded)
- CXVI. **The Investigation of Performance and Emissions Characteristics of Tall Oil Biodiesel With a Co-based Additive**
Keskin A., Guru M., Altiparmak D.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.32, no.20, pp.1899-1907, 2010 (SCI-Expanded)
- CXVII. **Processing of urea-formaldehyde-based particleboard from hazelnut shell and improvement of its fire and water resistance**
Guru M., Aruntas Y., Tuzun F. N., Bilici I.
FIRE AND MATERIALS, vol.33, no.8, pp.413-419, 2009 (SCI-Expanded)
- CXVIII. **Production of NaBH₄ and hydrogen release with catalyst**
Cakanyildirim C., GÜRÜ M.
RENEWABLE ENERGY, vol.34, no.11, pp.2362-2365, 2009 (SCI-Expanded)
- CXIX. **Extraction of caffeine from tea stalk and fiber wastes using supercritical carbon dioxide**
Icen H., GÜRÜ M.
JOURNAL OF SUPERCRITICAL FLUIDS, vol.50, no.3, pp.225-228, 2009 (SCI-Expanded)
- CXX. **Improvement of bitumen performance with epoxy resin**
Cubuk M., GÜRÜ M., ÇUBUK M. K.
FUEL, vol.88, no.7, pp.1324-1328, 2009 (SCI-Expanded)
- CXXI. **Removal of Ferrous Ion in Synthetic Waters by Catalytic Air Oxidation**
Engin B., GÜRÜ M., Alicilar A.
ASIAN JOURNAL OF CHEMISTRY, vol.21, no.3, pp.2067-2072, 2009 (SCI-Expanded)
- CXXII. **Biodiesel production from waste animal fat and improvement of its characteristics by synthesized nickel and magnesium additive**
GÜRÜ M., Artukoglu B. D., KESKİN A., Koca A.
ENERGY CONVERSION AND MANAGEMENT, vol.50, no.3, pp.498-502, 2009 (SCI-Expanded)
- CXXIII. **Biodiesel production from pomace oil and improvement of its properties with synthetic manganese additive**
Caynak S., GÜRÜ M., Bicer A., KESKİN A., Icingur Y.
FUEL, vol.88, no.3, pp.534-538, 2009 (SCI-Expanded)
- CXXIV. **Production of Polymer Matrix Composite Particleboard from Pistachio Shells and Improvement of its Fire Resistance by Fly Ash**
GÜRÜ M., Sahin M., Tekeli S., Tokgoz H.
HIGH TEMPERATURE MATERIALS AND PROCESSES, vol.28, no.3, pp.191-195, 2009 (SCI-Expanded)
- CXXV. **Effect of Pore-Forming Agent Type on Swelling Properties of Macroporous Poly(N-[3-(dimethylaminopropyl)]-methacrylamide-co-acrylamide) Hydrogels**
Demirel G. B., ÇAYKARA T., Demiray M., GÜRÜ M.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.46, no.1, pp.58-64, 2009 (SCI-Expanded)

- CXXVI. **Activation of pine cone using Fenton oxidation for Cd(II) and Pb(II) removal**
ARGUN M. E., DURSUN S., Karatas M., GÜRÜ M.
BIORESOURCING TECHNOLOGY, vol.99, no.18, pp.8691-8698, 2008 (SCI-Expanded)
- CXXVII. **Removal of trivalent chromium from water using low-cost natural diatomite**
GÜRÜ M., Venedik D., Murathan A.
JOURNAL OF HAZARDOUS MATERIALS, vol.160, pp.318-323, 2008 (SCI-Expanded)
- CXXVIII. **Processing of LiBH₄ from its elements by ball milling method**
Cakanyildirim C., GÜRÜ M.
RENEWABLE ENERGY, vol.33, no.11, pp.2388-2392, 2008 (SCI-Expanded)
- CXXIX. **Influence of tall oil biodiesel with Mg and Mo based fuel additives on diesel engine performance and emission**
Keskin A., GÜRÜ M., ALTIPARMAK D.
BIORESOURCING TECHNOLOGY, vol.99, no.14, pp.6434-6438, 2008 (SCI-Expanded)
- CXXX. **Hydrogen cycle with sodium borohydride**
Cakanyildirim C., GÜRÜ M.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.33, no.17, pp.4634-4639, 2008 (SCI-Expanded)
- CXXXI. **Preparation and characterization of alumina-zirconia composite material with different acid ratios by the sol-gel method**
Ergu O. B., GÜRÜ M., Cabbar C.
CENTRAL EUROPEAN JOURNAL OF CHEMISTRY, vol.6, no.3, pp.482-487, 2008 (SCI-Expanded)
- CXXXII. **Microstructural, mechanical and electrical properties of alumina-doped cubic zirconia (c-ZrO₂)**
Tekeli S., Kayis A., Guru M.
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, vol.12, pp.791-797, 2008 (SCI-Expanded)
- CXXXIII. **Using of cotton oil soapstock biodiesel-diesel fuel blends as an alternative diesel fuel**
KESKİN A., GÜRÜ M., ALTIPARMAK D., AYDIN K.
RENEWABLE ENERGY, vol.33, no.4, pp.553-557, 2008 (SCI-Expanded)
- CXXXIV. **Microstructural design and high temperature tensile deformation behaviour of 8 mol% yttria stabilized cubic zirconia (8YCSZ) with SiO₂ additions**
Tekeli S., Guerue M.
CERAMICS INTERNATIONAL, vol.34, no.1, pp.137-140, 2008 (SCI-Expanded)
- CXXXV. **Production of polymer matrix composite particleboard from walnut shell and improvement of its requirements**
G r M., Atar M., Yildirim R.
MATERIALS & DESIGN, vol.29, no.1, pp.284-287, 2008 (SCI-Expanded)
- CXXXVI. **Oxidative desulfurization of cayirhan lignites by permanganate solution**
Guru M., Tuzun F. N., Murathan A. S., Asan A., Kiyak T.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.30, no.16, pp.1508-1515, 2008 (SCI-Expanded)
- CXXXVII. **Oxidative desulfurization of tufanbeyli coal by hydrogen peroxide solution**
Guru M., Sarioz B. V., Cakanyildirim C.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.30, no.11, pp.981-987, 2008 (SCI-Expanded)
- CXXXVIII. **Processing of Cer-Met Composite Material from Zn and B₂O₃**
Guru M., Tekeli S., Cakanyildirim C., Cabbar C.
HIGH TEMPERATURE MATERIALS AND PROCESSES, vol.27, no.4, pp.243-248, 2008 (SCI-Expanded)
- CXXXIX. **Comparison of the curing kinetic behavior for two epoxy resin systems containing EPIKOTE 828-EPIKURE 3090 and DURATEK KLM 606a-DURATEK KLM 606b**
Tuezuen F. N., Guerue M., Akyuez Y.
POLYMER COMPOSITES, vol.28, no.6, pp.762-770, 2007 (SCI-Expanded)
- CXL. **Preparation and characterization of poly(isobutyl methacrylate) microbeads with grafted amidoxime groups**

- Caykara T., Alaslan S. S., Guerue M., Bodugoez H., Gueven O.
RADIATION PHYSICS AND CHEMISTRY, vol.76, no.10, pp.1569-1576, 2007 (SCI-Expanded)
- CXLI. **Biodiesel production from tall oil with synthesized Mn and Ni based additives: Effects of the additives on fuel consumption and emissions**
Keskin A., Guru M., Altiparmak D.
FUEL, vol.86, pp.1139-1143, 2007 (SCI-Expanded)
- CXLII. **Alternative fuel properties of tall oil fatty acid methyl ester-diesel fuel blends**
Altiparmak D., Keskin A., Koca A., Guru M.
BIORESOURCETECHNOLOGY, vol.98, no.2, pp.241-246, 2007 (SCI-Expanded)
- CXLIII. **Synthesis and processing of Al sheathed MgB₂ tapes by powder in tube method and determination of superconducting and mechanical properties**
Akyuez Y., Bicer A., Guerue M.
MATERIALS & DESIGN, vol.28, no.9, pp.2500-2504, 2007 (SCI-Expanded)
- CXLIV. **Oxidative desulfurization of askale coal by nitric acid solution**
Guru M.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.29, no.5, pp.463-469, 2007 (SCI-Expanded)
- CXLV. **Densification and grain-growth behavior of various amounts of SiO₂ doped 8YSCZ/SiO₂ composites**
Tekeli S., Gürü M., Sağlam O. E.
MATERIALS AND MANUFACTURING PROCESSES, vol.22, pp.710-714, 2007 (SCI-Expanded)
- CXLVI. **Manufacturing low density boards from waste cardboard containing aluminium**
Murathan A. M., Murathan A. S., Guerue M., Balbaşı M.
MATERIALS & DESIGN, vol.28, no.7, pp.2215-2217, 2007 (SCI-Expanded)
- CXLVII. **Biodesulfurization of cayirhan lignites**
Guru M., Cubuk M., Dursun S., Demirbas A.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.28, no.6, pp.559-565, 2006 (SCI-Expanded)
- CXLVIII. **Manufacturing of urea-formaldehyde-based composite particleboard from almond shell**
Guerue M., Tekeli S., Bilici I.
MATERIALS & DESIGN, vol.27, no.10, pp.1148-1151, 2006 (SCI-Expanded)
- CXLIX. **Synthesis and characterization of Mg₂B₂O₅**
Qasrawi A., Kayed T., Mergen A., Guru M.
MATERIALS RESEARCH BULLETIN, vol.40, no.4, pp.583-589, 2005 (SCI-Expanded)
- CL. **Investigation on the kinetics of oxalic acid synthesis**
Guru M., Benli S., Akyuz Y., Alicilar A.
CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.39, pp.49-53, 2005 (SCI-Expanded)
- CLI. **The factors affecting colloidal processing of 8YSCZ ceramics**
Tekeli S., Guru M.
HIGH-PERFORMANCE CERAMICS III, PTS 1 AND 2, pp.729-734, 2005 (SCI-Expanded)
- CLII. **Effect of temperature and gas flow rate on SO₂ sorption in a reactor with periodic liquid flow and active carbon**
Guru M., Ozkan G., Murathan A., Öksüz İ.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.14, no.5, pp.400-405, 2005 (SCI-Expanded)
- CLIII. **Obtaining of caffeine from Turkish tea fiber and stalk wastes**
Guru M., Icen H.
BIORESOURCETECHNOLOGY, vol.94, no.1, pp.17-19, 2004 (SCI-Expanded)
- CLIV. **Infiltration of Al alloys into MgAl₂O₄ under different atmospheres**
Bilen M., Mergen A., Guru M., Alicilar A.
EURO CERAMICS VIII, PTS 1-3, pp.1795-1798, 2004 (SCI-Expanded)
- CLV. **Improvement of adhesion of bitumen - Aggregate coatings by additives**
Guru M.

- CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.38, pp.129-140, 2004 (SCI-Expanded)
- CLVI. **Production of anorthite from kaolinite and CaCO₃ via colemanite**
Mergen A., Kayed T., Bilen M., Qasrawi A., Guru M.
EURO CERAMICS VIII, PTS 1-3, pp.1475-1478, 2004 (SCI-Expanded)
- CLVII. **The removal of cyanides from water by catalytic air oxidation in a fixed bed reactor**
Alicilar A., Komurcu M., Guru M.
CHEMICAL ENGINEERING AND PROCESSING-PROCESS INTENSIFICATION, vol.41, no.6, pp.525-529, 2002 (SCI-Expanded)
- CLVIII. **Improvement of Diesel fuel properties by using additives**
Guru M., Karakaya U., Altiparmak D., Alicilar A.
ENERGY CONVERSION AND MANAGEMENT, vol.43, no.8, pp.1021-1025, 2002 (SCI-Expanded)
- CLIX. **Production of oxalic acid from sugar beet molasses by mixed nitric acid and sulphuric acid**
Guru M., Pamuk V., Bilgesu A.
CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.36, pp.81-91, 2002 (SCI-Expanded)
- CLX. **Air oxidation of aqueous sulphide solutions in packed columns**
Alicilar A., Karadavut S., Guru M.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.10, no.7, pp.620-623, 2001 (SCI-Expanded)
- CLXI. **Production of oxalic acid from sugar beet molasses by formed nitrogen oxides**
Guru M., Bilgesu A., Pamuk V.
BIORESOURCETECHNOLOGY, vol.77, no.1, pp.81-86, 2001 (SCI-Expanded)
- CLXII. **ESR spectroscopics study of radicals formed from methoxycarbonylcholine picrate hemihydrate**
Birey M., Aktas H., Alicilar A., Guru M.
RADIATION EFFECTS AND DEFECTS IN SOLIDS, vol.140, pp.365-371, 1997 (SCI-Expanded)
- CLXIII. **OPTIMIZATION OF A DOUBLE-STAGE FLASH SYSTEM**
ALICILAR A., DOGAN M., GURU M.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.19, no.2, pp.169-179, 1995 (SCI-Expanded)
- CLXIV. **Küresel dolgulu ve aşağı doğru paralelakışlı reaktörlerde kolon uzunluğunun basınç düşüşüne etkisi**
Alicilar A., Gürü M., Murathan A. M.
Journal Of The Faculty Of Engineering And Architecture Of Gazi University, vol.9, no.1, pp.53-60, 1994 (SCI-Expanded)

Articles Published in Other Journals

- I. **Controlling of NaBH₄hydrolysis by synthetic Ni-Co cited and MOFs supported novel catalyst and determination of kinetic parameters**
Ertürk A. A., Akkas Boynuegri T., GÜRÜ M.
Sigma Journal of Engineering and Natural Sciences, vol.42, no.5, pp.1511-1518, 2024 (ESCI)
- II. **Production and Characterization of FeB and Fe₂B Compounds by Mechanochemical Method**
Celik U. A., Sunar T., Ozyurek D., GÜRÜ M.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, 2023 (ESCI)
- III. **Fenol ve bor esashi çevre dostu pigmentin deniz araçlarında boya olarak kullanılabilirliği**
OLGUN Ş., GÜRÜ M., YILMAZ AYDIN D., ERTÜRK A. A.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.26, no.1, pp.215-221, 2023 (ESCI)
- IV. **Investigation of the effects of synthetic manganese additive and fusel oil-gasoline mixtures on performance and emissions in a spark ignition engine**
Ustun S., GÜRÜ M.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.25, no.1, pp.443-454, 2022 (ESCI)
- V. **Pilot yorgunluğu açısından uçuş teçhizatının değerlendirilmesi**
Gevrek İ., GÜRÜ M., BAŞER F.
Savunma Bilimleri Dergisi, vol.42, pp.89-118, 2022 (Peer-Reviewed Journal)

- VI. **Uçucu Külün Yapı Malzemelerinin Mukavemeti ve Bağlayıcılığına Etkisinin Araştırılması**
ÇUBUK M., GÜRÜ M., ARSLAN D., ÖZDEMİR O.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.9, no.5, pp.2128-2143, 2021 (Peer-Reviewed Journal)
- VII. **Synthesis of magnesium diboride (MgB₂) from its elements by mechanochemical method and usage as energetic agent**
Canoz B., Metin A. U., GÜRÜ M.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGISİ, vol.24, no.3, pp.933-941, 2021 (ESCI)
- VIII. **Kalsiyum floroborat sentezi, kinetik ve alev geciktirici özelliklerinin belirlenmesi**
GÜRÜ M., GÜNGÖR G., YILMAZ AYDIN D., ÇAKANYILDIRIM Ç.
BOR DERGISİ, vol.6, no.3, pp.326-331, 2021 (Peer-Reviewed Journal)
- IX. **Preparation of Bauxite/Deionized Water Nanofluid and Experimental Investigation of its Thermophysical Properties**
Aydin D. Y., GÜRÜ M., SÖZEN A.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGISİ, vol.24, no.2, pp.355-359, 2021 (ESCI)
- X. **Developments in Aluminum Production Technologies, Environmental Impact and Application Areas**
ÇAKANYILDIRIM Ç., GÜRÜ M.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGISİ, vol.24, no.2, pp.585-592, 2021 (ESCI)
- XI. **Effect of Alkaloids on SARS-CoV-2**
YILMAZ AYDIN D., GÜRÜ S., GÜRÜ M.
NATURENGS, pp.10-18, 2020 (Peer-Reviewed Journal)
- XII. **Thermal Performance Improvement of the Heat Pipe by Employing Dolomite/Ethylene Glycol Nanofluid**
Aydin D. Y., Gürü M., Sözen A., Çiftçi E.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY DEVELOPMENT-IJRED, vol.9, no.1, pp.23-27, 2020 (ESCI)
- XIII. **Upgrading of Performance of Diffusion Absorption Refrigeration System**
ÖZTAŞ S., GÜRÜ M., SÖZEN A., Kilinc C., GÜLSEVEN Z.
Journal of Environmental Science and Engineering Technology, vol.7, no.1, pp.35-44, 2019 (Peer-Reviewed Journal)
- XIV. **Experimental Investigation of Thermophysical Properties of Nano Mineralogical Fluids**
Karakaya U., GÜRÜ M., SÖZEN A., Aydın D. Y., BİLİCİ İ.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGISİ, vol.22, no.3, pp.619-626, 2019 (ESCI)
- XV. **Nano Mineralojik Akışkanların Termofiziksel Özelliklerinin Deneysel Olarak İncelenmesi**
KARAKAYA U., Gürü M., SÖZEN A., Yılmaz Aydın D., BİLİCİ İ. E.
Politeknik Dergisi, vol.22, no.3, pp.619-626, 2019 (Peer-Reviewed Journal)
- XVI. **Nano mineralojik akışkanların termofiziksel özelliklerinin deneysel olarak incelenmesi**
Karakaya U., GÜRÜ M., SÖZEN A., YILMAZ AYDIN D., BİLİCİ İ.
Politeknik Dergisi, 2019 (Peer-Reviewed Journal)
- XVII. **Modelling of High Energy Impacted Ball Milling and Ball Motion by Finite Element Analysis**
Aktas A. R., Aktas G., GÜRÜ M.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.30, no.2, pp.187-194, 2017 (ESCI)
- XVIII. **Production of Ti-Fe Based MgAl₂O₄ Composite Material by Pressureless Infiltration Method**
Bilici I., Guru M., Tekeli S.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.28, no.2, pp.295-299, 2015 (ESCI)
- XIX. **Production of Ti Fe Based MgAl₂O₄ Composite Material by Pressureless Infiltration Method**
BİLİCİ İ., GÜRÜ M., TEKELİ S.
Gazi University, Journal of Science, 2015 (Scopus)
- XX. **Baca gazlarındaki azot oksitlerin bentonit üzerine adsorpsiyon yoluyla dolgulu kolonlarda giderilmesi,**
Alıcılar A., Gürü M., Murathan A. M., Akkurt F.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.16, no.2, pp.319-325, 2003 (Peer-Reviewed Journal)
- XXI. **Atık sulardan civanın dolgulu yataklarda giderilmesi,**

Murathan A. M., Gürü M., Özkan G.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.15, no.1, pp.113-119, 2002 (ESCI)

XXII. **Atık sulardaki fenol ve hidrazinin dolgulu kolonlarda giderimi**

Gürü M., Murathan A. M.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.13, no.2, pp.415-423, 2000 (ESCI)

XXIII. **Dispers sarı3 tekstil boyarmaddesinin sentezi ve uygulanabilirliği**

Alicılar A., Murathan A. M., Gürü M.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.13, no.1, pp.221-227, 2000 (ESCI)

XXIV. **Atık kağıtlardan levülinilikasit eldesi, 11(4), 771-777, 1998**

Gürü M., Murathan A. M.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.11, no.4, pp.771-777, 1998 (ESCI)

Books & Book Chapters

- I. **Metal Borhidrürlerin Sentezi ve Dehidrojenasyonu**
GÜRÜ M., ÇAKANYILDIRIM Ç., BİLEN M., AKKAŞ BOYNUEĞRİ T., KARABULUT A. F.
Kutem Yayıncılık, 2022
- II. **Kimyasal Bir Tesiste İnsan Hatalarının HAZOP ile Tespiti ve HEART ile Analiz Edilmesi**
OLGUN K., GÜRÜ M., AKMAN A.
in: Doğa ve Mühendislik Bilimlerinde Güncel Tartışmalar 6, , Editor, Bilgin Kültür Sanat Yayınları, pp.77-90, 2022
- III. **MANYETİK ALAN UYGULANAN MANYETİK NANOAKIŞKANLARIN ISI TRANSFER SİSTEMLERİNDE KULLANIMI**
YILMAZ AYDIN D., AYDIN E., GÜRÜ M.
in: MÜHENDİSLİK ALANINDA ULUSLARARASI ARAŞTIRMALAR VIII, , Editor, Eğitim Yayınevi, pp.135-149, 2022
- IV. **KAYNAĞINDAN SON KULLANIMA BOR MİNERALLERİ**
ÇAKANYILDIRIM Ç., GÜRÜ M.
in: MALZEME TEKNOLOJİSİ VE TASARIM BİLİMLERİNE YENİ YAKLAŞIMLAR, ŞAHİN, YUSUF; YALÇINKAYA, SENAL, Editor, Güven Plus Grup A.Ş. Yayınları, pp.128-166, 2021
- V. **Stokiyometri**
GÜRÜ M., Yalçın H.
Palme, Ankara, 2015
- VI. **Mühendislik Termodinamiği**
GÜRÜ M., Yalçın H.
Palme, 2012
- VII. **Malzeme Bilgisi**
GÜRÜ M., Yalçın H.
Palme, 2012
- VIII. **Mühendislik Termodinamiği Problemleri**
GÜRÜ M., Yalçın H.
Palme, 2012
- IX. **Boron Hydrides, High Potential Hydrogen Storage Materials**
Gürü M., Çakanyıldırım Ç., Demirci Ş. (Editor)
X, Lyon, 2010
- X. **Elektrokimya ve Uygulamaları**
Gürü M., Yalçın H.
Palme Yayın Dağıtım, Ankara, 2010
- XI. **Su Teknolojisi**
Gürü M., Yalçın H.
Palme Yayın Dağıtım, Ankara, 2010
- XII. **Stokiyometri Problemleri**

GÜRÜ M., Yalçın H.

Palme, 2009

XIII. **Kimya Terimleri Sözlüğü**

Gürü M., Somer G. (Editor), Yaşar A. (Editor)

Türk Dil Kurumu Yayınları, İstanbul, 2009

XIV. **Çimento ve Beton**

GÜRÜ M., Yalçın H.

Palme, 2006

XV. **Kimya Mühendisliği Temel Prensipleri Problemleri**

Gürü M., Yalçın H.

Gazi Üniversitesi, Ankara, 1995

Refereed Congress / Symposium Publications in Proceedings

- I. **Detection of Human Errors with HAZOP and Analyzed with HEART in a Chemical Facility**
Olgun K., Gürü M., Akman A.
2 nd International Congress on Multidisciplinary Natural Sciences and Engineering, Ankara, Turkey, 1 November - 02 December 2022, pp.138
- II. **Manyetik Alanın Bir Isı Borusunun Termal Performansına Etkisi**
YILMAZ AYDIN D., AYDIN E., GÜRÜ M.
4. Int. Conference on Applied Engineering and Natural Sciences (ICAENS2022), Konya, Turkey, 10 - 13 November 2022, pp.1406-1409
- III. **Sentetik Borlu Bileşiklerin Bitümlü Kaplamalarda Kullanımı**
Gürü M., Arslan D., Çubuk M. K.
International Boron Symposium, İstanbul, Turkey, 5 - 07 October 2022, pp.288-289
- IV. **Bor Bileşiklerinin Boya Olarak Uygulanabilirliği**
AKSONGUR T., GÜRÜ M.
Int. Korkut Ata Scientific Researches Conference, Osmaniye, Turkey, 28 - 30 June 2022
- V. **Bakır Tetrafloroborat'ın Sentez Parametrelerinin Belirlenmesi**
BOZTAŞ İ., GÜRÜ M.
Int. Korkut Ata Scientific Researches Conference, Osmaniye, Turkey, 28 - 30 June 2022
- VI. **Determination of Kinetic Parameters on the Catalytic Dehydrogenation of NaBH₄ by Synthetic MOFs Supported Catalyst**
ERTÜRK A. A., AKKAŞ BOYNUEĞRİ T., GÜRÜ M.
6. Int. Hydrogen Technologies Congress, 23 - 26 January 2022
- VII. **Radar İz Düşürücü (RAM) Pigment Üretimi**
GÜRÜ M., AKTAŞ G., AKTAŞ A. R.
III. Uluslararası Savunma Teknolojileri Sempozyumu, 06 October 2021
- VIII. **Boron reserves in Turkey and opportunities offered by**
Çakanyıldırım Ç., Gürü M.
INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS SCIENCE & ENGINEERING AND HIGH TECH DEVICE APPLICATIONS, Ankara, Turkey, 2 - 05 October 2020, pp.235
- IX. **FROM MINERAL DEPOSITS TO MARKETS, VALUABLE PRODUCT BORON**
Gürü M., Çakanyıldırım Ç.
2. Uluslararası Mühendislik Bilimleri ve Multidisipliner Yaklaşımlar Kongresi, İstanbul, Turkey, 18 - 19 September 2021
- X. **Determination of synthesis parameters of phenylfluoroborate,**
OLGUN Ş., GÜRÜ M., YILMAZ AYDIN D., ERTÜRK A. A.
ULUSLARARASI ASYA MODERN BİLİMLER KONGRESİ-V, Azerbaijan, 1 - 02 June 2021, pp.1064-1068
- XI. **H₂ Release from NaBH₄ with Novel Catalyst, 5th Int Hydrogen Technologies Congress**

Ertürk A. A., AKKAŞ BOYNUEĞRİ T., GÜRÜ M.

IHTEC, Turkey, 26 - 28 May 2021

- XII. **Investigation of Synthesis Parameters of Sodium Fluoroborate and Usability as Flame Retardant for Cotton Fabrics**
Yılmaz Aydın D., Gürü M., Akkurt F.
3rd International Conference on Physical Chemistry & Functional Materials (PCFM2020), Malatya, Turkey, 22 - 24 September 2020, pp.167-174
- XIII. **Alüminyum Uç Ürünlerine Teknolojik Gelişmeler**
GÜRÜ M., ÇAKANYILDIRIM Ç.
The International ALUMINIUM-THEMED Engineering and Natural Sciences Conference, 4 - 06 October 2019
- XIV. **EXTRACTION OF QUERCETIN AND APIGENIN COMPOUNDS FROM JUNIPERUS EXCELSA (M. BIEB) BERRIES USING SUPERCRITICAL CARBON DIOXIDE**
Himmetoğlu M., GÜRÜ M., Nuralin L.
The International ALUMINIUM-THEMED Engineering and Natural Sciences Conference, 4 - 06 October 2019
- XV. **Investigation of Thermophysical Properties of Dolomite Nanofluid**
YILMAZ AYDIN D., GÜRÜ M., SÖZEN A., ÇİFTÇİ E.
22nd Congress on Thermal Science and Technology, Kocaeli, Turkey, 11 - 14 September 2019
- XVI. **Effects of Nanoparticle Concentration and Surfactant Types on Thermal Performance of the Aqueous Bauxite Nanofluid in a Heat Pipe**
YILMAZ AYDIN D., GÜRÜ M., SÖZEN A., ÇİFTÇİ E.
22nd Congress on Thermal Science and Technology, Kocaeli, Turkey, 11 - 14 September 2019
- XVII. **Enhancement of Heat Transfer Characteristics of a Heat Pipe by Utilizing Dolomite/Ethylene Glycol Nanofluid**
YILMAZ AYDIN D., GÜRÜ M., SÖZEN A., ÇİFTÇİ E.
7th European Conference on Renewable Energy Systems, Madrid, Spain, 10 - 12 June 2019
- XVIII. **Impacts of the Base Fluid Species on the Thermal Performance of the Nanofluid Used in a Heat Pipe**
YILMAZ AYDIN D., GÜRÜ M., SÖZEN A., ÇİFTÇİ E.
7th European Conference on Renewable Energy Systems, 10 - 12 June 2019
- XIX. **Kalsiyum Oksitten Kalsiyum Floroborat Sentezi ve Alev Geciktirici Olarak Kullanılabilirliği , Uluslararası Bor Sempozyumu**
Güngör G., YILMAZ AYDIN D., GÜRÜ M.
Boron2019, 17 - 19 April 2019
- XX. **Mekanokimyasal ve Yaş Yöntemle Kurşun Floroborat Üretiminin Optimizasyonu**
Kurt H., GÜRÜ M., YILMAZ AYDIN D., AKKURT F., İÇEN H., Kuru F., Yörükoğlu A.
International Symposium on Boron (BORON2019), 17 - 19 April 2019
- XXI. **Obtainment of Copper(II) Fluoroborate by High Energy Impacted Ball Milling**
YILMAZ AYDIN D., GÜRÜ M., İPEK D., ÖZYÜREK D.
8th International Advances in Applied Physics and Materials Science Congress Exhibition, 24 - 30 April 2018
- XXII. **SYNTHESIS and CHARACTERIZATION of SODIUM BOROXYDRIDE from SODIUM AMIDE by MECHANOCHEMICAL REACTION**
AR İ., usta ö., GÜRÜ M.
Int. Advanced researches and Engineering Congress, Osmaniye, Turkey, 16 - 17 November 2017
- XXIII. **INVESTIGATION of PERFORMANCE of a NOVEL SYNTHETIC CATALYST in DEHYDROGENATION of SODIUM BOROXYDRIDE**
GÜRÜ M., usta ö., AR İ.
Int. Advanced researches and Engineering Congress, Osmaniye Korkutata Üniversitesi, 16 - 17 November 2017
- XXIV. **Synthesis of Lead Fluoroborate and Usability as Flame Retardant**
YILMAZ AYDIN D., KURT H., KANDEMİR E. B., GÜRÜ M.
8th International Advanced Technologies Symposium (IATS'xx17), Elazığ, Turkey, 19 - 22 October 2017
- XXV. **Synthesis of Antimony Fluoroborate and Usability as Flame Retardant**
YILMAZ AYDIN D., PATLAR K., GÜRÜ M., AKKURT F.

- 8th International Advanced Technologies Symposium (IATS'xx17, Elazığ, Turkey, 19 - 22 October 2017
- XXVI. **Yaş Yöntemle Titanyum Floroborat Sentezi Ve Alev Geciktirici Olarak Kullanılabilirliği**
GÜRÜ M., YILMAZ AYDIN D., SEDİR P., AKKURT F.
İleri Teknolojiler V. Çalıştayı, İstanbul, Turkey, 23 October 2017
- XXVII. **Experimental Investigation of the Effect of Nanoparticle Size on the Performance of Thermosyphon with Clinoptilolite /Water Nanofluid**
GÜRBÜZ E. Y., ÇİFTÇİ E., SÖZEN A., GÜRÜ M., KARAKAYA U.
1st International Conference on Energy Systems Engineering, Karabük, Turkey, 2 - 04 November 2017
- XXVIII. **Effect of milling time on wear behaviours of carbon nanotubes reinforced aluminium matrix composites**
YILDIRIM M., ÖZYÜREK D., GÜRÜ M.
5th International Conference on Powder Metallurgy Advanced Materials, 17 - 20 September 2017
- XXIX. **RECOVERY OF CALCIUM METABORATE AND RE-SYNTHESIS OF CALCIUM BOROHYDRIDE BY THE MECHANOCHEMICAL REACTION**
KARABULUT A. F., GÜRÜ M.
ECRES 5, Sarajevo, Bosnia And Herzegovina, 27 - 30 August 2017
- XXX. **CATALYTIC PERFORMANCE OF ACTIVATED CARBON SUPPORTED COBALT (II) FLUORIDE IN DEHYDROGENATION OF METAL BOROHYDRIDES**
KARABULUT A. F., GÜRÜ M.
ECRES 5, Sarajevo, Bosnia And Herzegovina, 27 - 30 August 2017
- XXXI. **Effect of Chicken Feather and Boron Compounds as Filler on Mechanical and Flame Retardancy Properties of Polymer Composite Materials**
GÖKDAĞ D., AKPINAR BORAZAN A., GÜRÜ M.
15th International Conference on Environmental Science and Technology (CEST 2017), Rodos, Greece, 31 August - 02 September 2017
- XXXII. **Co-Ni-Cu Supported on TiO₂ and Al₂O₃ to Decompose NaBH₄**
Özsaçmacı G., ÇAKANYILDIRIM Ç., GÜRÜ M.
13th European Congress on Catalyst, Europacat 2017, FLORANSA, Italy, 27 - 31 August 2017
- XXXIII. **A RESEARCH ON RHEOLOGICAL PROPERTIES OF BITUMEN MODIFIED BY MOLASSES-BASED FLY ASH COMPOUND**
ÖZTÜRK Ş., ARSLAN D., ÇUBUK M. K., GÜRÜ M.
International Conference on Advances and Innovations in Engineering, 10 - 12 May 2017
- XXXIV. **Kinetic Modelling on Catalytic Dehydrogenation of NaBH₄ Hydrogel Based CoF₂ Catalyst**
Akkaş Boynueğri T., GÜRÜ M.
7. Uluslar arası 100 Yenilenebilir Enerji Konferansı IRENEC 2017, 18 - 20 May 2017
- XXXV. **Investigation of the Effects on the Thermal Performance of the SiC/Water Nanofluid Utilization in Heat Pipes**
ÇİFTÇİ E., SÖZEN A., GÜRÜ M., KILINÇEL M.
2nd International Conference on Viable Energy Trends, Helsinki, Finland, 28 - 30 April 2017
- XXXVI. **metal borides as energetic materials**
Bilal C., METİN A. Ü., GÜRÜ M.
2. international defence industry symposium, 06 April 2017
- XXXVII. **Mekanokimyasal Yöntemle Bakır Floroborat Sentezi ve Karakterizasyonu**
İPEK D., YILMAZ AYDIN D., GÜRÜ M.
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), 26 - 28 October 2016, pp.4492-4499
- XXXVIII. **Yaş Yöntemle Çinko Floroborat Sentezi ve Alev Geciktirici Olarak Kullanılabilirliği**
YILMAZ AYDIN D., İPEK D., GÜRÜ M.
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), 26 - 28 October 2016
- XXXIX. **CATALYTIC DEHYDROGENATION OF CALCIUM BOROHYDRIDE BY USING HYDROGEL CATALYST**
AKKAŞ BOYNUEĞRİ T., GÜRÜ M.

4th European Conference on Renewable Energy Systems, 28 - 31 August 2016

- XL. **A NEW APPROACH TO THE MANUFACTURING AND CHARACTERIZATION OF ELEMENTAL BORON FROM BORON OXIDE BY CARBON MONOXIDE**
GÖKDAĞI D., GÜRÜ M., TOĞRUL T.
4th European Conference on Renewable Energy Systems, 28 - 31 August 2016
- XLI. **Effect of Sintering Time on Hardness and Wear Behaviours of Carbon Nanotubes Reinforced Aluminium Matrix Composites**
YILDIRIM M., ÖZYÜREK D., GÜRÜ M.
Proceedings of the 6th International Congress APMAS2016, 1 - 03 June 2016
- XLII. **Füzel Yağı Kullanılarak Isı Borusu Performansının İyileştirilmesi**
ÇİFTÇİ E., SÖZEN A., MENLİK T., GÜRÜ M.
3. Anadolu Enerji Sempozyumu, Muğla, Turkey, 1 - 03 October 2015
- XLIII. **The Influence of Absorbents on the Cooling Performance of Diffusion Absorption Mini Refrigeration Systems**
ÖZTAŞ S., GÜRÜ M., SÖZEN A., ÖZBAŞ E.
2nd INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESEN-2015), Antalya, Turkey, 14 - 19 October 2015
- XLIV. **Synthesis of calcium borohydride with the calcium salt and catalytic dehydrogenation of boron hydride compounds**
Boyuneğri T., KARABULUT A. F., GÜRÜ M.
ECRES, 7 - 10 October 2015
- XLV. **Evaluation of Biodiesel Production Engine Performance and Emissions**
GÜRÜ M., KESKİN A.
ECRES, 7 - 10 October 2015
- XLVI. **SYNTHESIS of Ca BH₄ 2 from SYNTHETIC COLEMANITE by MECHANOCHEMICAL REACTION**
GÜRÜ M., KESKİN A.
ECRES, 7 - 10 October 2015
- XLVII. **FÜZEL YAĞI KULLANILARAK ISI BORUSU PERFORMANSININ İYİLEŞTİRİLMESİ**
GÜRÜ M.
3. ANADOLU ENERJİ SEMPOZYUMU, Turkey, 1 - 03 October 2015
- XLVIII. **Mekanokimyasal Yöntemle Çinko Floroborat Sentezi ve Karakterizasyon Çalışmaları**
GÜRÜ M.
27. Kimya Kongresi, Turkey, 23 - 28 August 2015
- XLIX. **A Novel Nanofluid Research Application of Fly Ash Nanofluids in a Two Phase Closed Thermosyphon Heat Pipe**
KILIÇ F., MENLİK T., SÖZEN A., GÜRÜ M.
7. International Powder Metallurgy Conference & Exhibition, 24 - 28 June 2015
- L. **Absorption of CO₂ In Boron Solutions And Recovery As Industrial Chemical Products**
YILMAZ O., BİLEN M., GÜRÜ M.
NURER, 4. International Conference on Nuclear and Renewable Energy Resources, Turkey, 26 October 2014
- LI. **Selülozik Polimerik Kompozit Ahşap Malzemeye Yanmazlık Özelliğinin Kazandırılması**
ŞAHİN A., KARABULUT A. F., TAŞDEMİR H. M., AYDIN M. Y., GÜRÜ M.
11. Ulusal Kimya Mühendisliği Kongresi (UKMK-11), Eskişehir, Turkey, 2 - 05 September 2014
- LII. **Hydrolysis of Synthetic KBH₄ By CO₂ Catalyst Supported On Activated Carbon**
BİLEN M., ÇAKANYILDIRIM Ç., GÜRÜ M.
III. International Conference On Nuclear Renewable Energy Resources, İstanbul, Turkey, 20 - 23 May 2012
- LIII. **Dehydrogenation Of Synthetic NaBH₄ By The Formation Of CO₂ Catalyst Supported With Carbon**
BİLEN M., GÜRÜ M., ÇAKANYILDIRIM Ç.
III. International Conference On Nuclear Renewable Energy Resources, İstanbul, Turkey, 20 - 23 May 2012
- LIV. **Mg katkılı hayvansal kökenli biyodizelin dizel motor performansı ve egzoz emisyonlarına etkilerinin incelenmesi**

GÜRÜ M., KOCA A., CAN Ö., ÇINAR C., ŞAHİN F.

10. Uluslararası Yanma Sempozyumu, Sakarya, Turkey, 9 - 10 October 2008, pp.366-370

- LV. **Manufacturing of polymer matrix composite material using marble dust and fly ash**
Guru M., Tekeli S., Akin E.
4th China International Conference on High-Performance Ceramics (CICC-4), Chengdu, China, 23 - 26 October 2005, pp.1353-1356
- LVI. **Synthesis of MgB₂ from anhydrous B₂O₃ by ball milling method and determination of superconductivity properties**
GÜRÜ M., Akyuz Y., TEKELİ S.
4th China International Conference on High-Performance Ceramics (CICC-4), Chengdu, China, 23 - 26 October 2005, pp.723-724
- LVII. **Processing of zinc-based MgAl₂O₄ composite and effect of fly ash addition**
Guru M., Korcak M., Tekeli S., Gural A.
4th China International Conference on High-Performance Ceramics (CICC-4), Chengdu, China, 23 - 26 October 2005, pp.1203-1206
- LVIII. **Effect of repeated quenching heat treatment on microstructure and dry sliding wear behavior of low carbon PM steel**
GÜRÜ M., TEKELİ S., Ozyorek D., GÜRÜ M.
Power Metallurgy World Congress and Exhibition 2006, Busan, South Korea, 24 - 28 September 2006, pp.673-674
- LIX. **Influence of tempering temperature and microstructure on wear properties of low alloy PM steel with 1-2% Ni addition**
TEKELİ S., GÜRÜ M., GÜRÜ M.
Power Metallurgy World Congress and Exhibition 2006, Busan, South Korea, 24 - 28 September 2006, pp.629-630
- LX. **Indentation fracture toughness and hardness of solid oxide fuel cell electrolyte material**
TEKELİ S., GÜRÜ M.
4th China International Conference on High-Performance Ceramics (CICC-4), Chengdu, China, 23 - 26 October 2005, pp.2418-2419
- LXI. **Synthesis And Characterization Of Zinc Borate Pigment Resistant To Corros Ion And Stable At High Temperatures**
BİLEN M., GÜRÜ M., ÇAKANYILDIRIM Ç., AYAR B.
CHISA 17th International Congress Of Chemical And Process Engineering, Prague, Czech Republic, 21 - 31 August 2006
- LXII. **The factors affecting colloidal processing of 8YSCZ ceramics**
TEKELİ S., GÜRÜ M.
3rd China International Conference on High-Performance Ceramics (CICC-3), 9 - 12 May 2004
- LXIII. **Effect of different heat treatments on microstructure of Ni added steels produced by P/M method**
GÜRÜ M., TEKELİ S., GÜRÜ M.
European Powder Metallurgy Congress and Exhibition, Euro PM 2005, Prague, Czech Republic, 2 - 05 October 2005, vol.1, pp.175-180
- LXIV. **Yakıt Püskürtmeli Güç Santrallerinde Yanma Sorunları ve Çözümleri"**
Gürü M., Alicılar A., Murathan A. M., Dursun Ş.
7 INT COMB S ANK JUL, Ankara, Turkey, 17 - 18 July 2002
- LXV. **Atık Sulardan Cıvanın Uzaklaştırılması**
MURATHAN A. M., GÜRÜ M., ÖZKAN G.
XIII: Ulusal Kimya Kongresi, Samsun, Turkey, 31 August - 04 September 1999, pp.455
- LXVI. **Effects of SO₃ Formation on The Dew Point,**
DURSUN Ş., GÜRÜ M., MURATHAN A. M.
1st International Workshop on Environmental Quality and Environmental Engineering in the Middle EastRegion, Konya, Turkey, 25 - 28 August 1998, vol.1, pp.91-96
- LXVII. **Sulu Fazlardan Kurşun Dolgulu Kolonlarda Uzaklaştırılması**
AR İ., MURATHAN A. M., ALICILAR A., GÜRÜ M.

Üçüncü Ulusal Kimya Mühendisliği Kongresi, Erzurum, Turkey, 1 - 04 September 1998, vol.2, pp.1433-1437

LXVIII. İzmir-Seferihisar Jeotermal Kaynaklarından İkili Flaş Sistemiyle Elektrik Üretimi için Optimum Sıcaklıkların Belirlenmesi”,

Murathan A. M., Gürü M., Alıcılar A.

GAP 1.Mühendislik Kongresi, Şanlıurfa, Turkey, 2 - 06 September 1996, vol.1, pp.427-431

Supported Projects

BALCI F. S., AKTI F., GÜRÜ M., Project Supported by Higher Education Institutions, Kurutma kontrol kimyasal katkısının silika ve demir modifiye silika kserojellerde yapı çökmesi kısıtlamaları ve metal yükleme başarısı üzerine etkilerinin incelenmesi, 2019 - 2022

Nuralın L., Erdal N., Gürü M., TAGEM Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü Projesi, Determination of Raw Lanolin Amount in Akkaraman Sheep in Different Environmental Conditions, 2020 - 2021

Özçelik G., Akkurt F., Gürü M., Çelikkın H., BOREN, Ulusal Bor Araştırma Enstitüsü Projesi, Bor Bileşikleri Kullanılarak Çadır Kumaşlarına Alev Geciktirici ve Su Geçirmezlik Özelliklerinin Kazandırılması, 2019 - 2020

GÜRÜ M., Project Supported by Higher Education Institutions, Dolomit ve Boksit Esaslı Nanoakışkanların Termofiziksel Özelliklerinin Belirlenmesi ve Isıl Sistemlerdeki Performansa Etkisi, 2018 - 2020

Gürü M., Project Supported by Other Official Institutions, Bazı Metal Floroboratlarn Sentezi ve Alev Geciktirici Olarak Kullanılabilirliği, 2017 - 2020

Akkurt F., Gürü M., BOREN, Ulusal Bor Araştırma Enstitüsü Projesi, Bazı Metal Floroboratlarn Sentezi ve Alev Geciktirici Etkilerinin Belirlenmesi, 2017 - 2020

Gürü M., Project Supported by Higher Education Institutions, Ayva ve iğde çekirdeğinden süperkritik CO₂ ekstraksiyonu yöntemi ile bitkisel yağların özütlenmesi ve bazı flavonoid içeriğinin belirlenmesi, 2016 - 2017

Nuralın L., Gürü M., Project Supported by Higher Education Institutions, Extraction of some flavonoids from plant seeds by SC-CO₂ extraction method, 2016 - 2017

Gürü M., Project Supported by Higher Education Institutions, KUŞBURNU (ROSA CANINA) BİTKİSİNDEN SÜPERKRİTİK KARBONDİOKSİT EKSTRAKSİYONU İLE İLAÇ ETKEN MADDESİ ÖZÜTLENMESİ, 2016 - 2017

Gürü M., Project Supported by Other Official Institutions, Metal Floroboratlarn Sentezi ve Endüstriyel Uygulamaları, 2014 - 2016

Türker M., Aydoğdu Y., Özçatalbaş Y., Usta Y., Gürü M., Ünal H. İ., Sarı M., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, GAZİ ÜNİVERSİTESİ İLERİ TEKNOLOJİLER MERKEZ LABORATUVARI (GÜMER-LAB) ALT YAPI PROJESİ, 2014 - 2016

Gürü M., Project Supported by Other Official Institutions, Katı Faz Reaksiyonu İle Kalsiyum Bor Hidrür Sentezi ve Katalitik Dehidrojenasyonu, 2013 - 2016

GÜRÜ M., Project Supported by Higher Education Institutions, SÜPERKRİTİK AKIŞKAN EKSTRAKSİYONU İLE DEVE DİKENİNDEN SİLYBİNE ÖZÜTLENMESİ, 2013 - 2015

GÜRÜ M., Project Supported by Higher Education Institutions, Mekonokimyasal Yöntemle Radar Absorplayıcı Madde Sentezlenmesi için Reaktör Tasarımı ve Katkılarla Absorplayıcı Malzemenin Geliştirilmesi, 2012 - 2014

GÜRÜ M., Project Supported by Higher Education Institutions, Demir Silikon Sentezi ve Radar Koruyucu Olarak Malzemelerde Kaplama Halinde Kullanılabilirliği, 2011 - 2013

GÜRÜ M., Project Supported by Higher Education Institutions, BİTKİLERDEN UÇUCU YAĞLARIN SÜPERKRİTİK KARBON DİOKSİT EKSTRAKSİYON METODUYLA ÖZÜTLENMESİ, 2011 - 2013

GÜRÜ M., Project Supported by Higher Education Institutions, Sentetik Metal Borhidrürlerle katalitik olarak suyun ayrıştırılmasıyla açığa çıkan hidrojenin yakıt hücrelerinde kullanımının entegrasyonu, 2010 - 2012

GÜRÜ M., Project Supported by Higher Education Institutions, Yaşlanmış Asfalt Kaplamanın Geri Kazanımı-Diriltilmesi ve Yeniden Kullanımı, 2008 - 2010

GÜRÜ M., Project Supported by Higher Education Institutions, Süperkritik Karbondioksit Ekstraksiyon Metodu ile Atık Çay Lifleri ve Saplarından Kafein Eldesi, 2006 - 2009

GÜRÜ M., Project Supported by Higher Education Institutions, SO₃ ve SO₂ gazlarının analizi ve tayini etkileyen parametrelerin belirlenmesi, 1996 - 1996

GÜRÜ M., Project Supported by Higher Education Institutions, Artık karbonhidratlardan levülinik asit eldesi, 1993 - 1993

Patent

Gürü M., Bor Katkılı Metal Esaslı Elektromanyetik Dalga Soğurucu Pigment , Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: TR201602590B , Standard Registration, 2021
Gürü M., Oniki tutuculu yüksek enerji çarpımlı bir reaktör sistemi, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: 201516413 , Standard Registration, 2020
Gürü M., Kurşunfloroborat Sentezi, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Recourse Number: 2017/22943 , Standard Registration, 2017
GÜRÜ M., KOLEMANİT KATKILI PROPİLEN, Patent, CHAPTER C Chemistry; Metallurgy, 2016
Gürü M., Alev ve Yüksek sıcaklığa dayanıklı boya ve üretim yöntemi, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: 200702470 , Standard Registration, 2010
Gürü M., Uçucu Kül ve pirinadan yapı malzemeleri üretimi, Utility Model, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: 2000/01751 , Standard Registration, 2001

Activities in Scientific Journals

Gazi University Journal of Science, Editor, 2016 - Continues
Bor Dergisi, First Editor, 2016 - 2020
JOURNAL OF MEDICINAL PLANT RESEARCH, Committee Member, 2012 - 2015
Journal Of The Faculty Of Engineering And Architecture Of Gazi University, First Editor, 2010 - 2014

Metrics

Publication: 288
Citation (WoS): 3363
Citation (Scopus): 4346
H-Index (WoS): 31
H-Index (Scopus): 35

Awards

Gürü M., Dünyanın En Etkili Bilim İnsanları Listesi, Stenford Üniversitesi, November 2020
Nuralın L., Erol F., Gürü M., Science Citation Index-Social Sciences Citation Index Arts and Humanities Citation Index Article Award, Gazi Üniversitesi Rektörlüğü, November 2017
Gürü M., En iyi makale, Iats"17, October 2017
Gürü M., Yalçın H., Kayda Değer Eser Ödülü, Tüba, September 2008

Non Academic Experience

Gazi Üniversitesi