

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 üretilmesi, 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., AKIN 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**
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