

Assoc. Prof. FATİH AKKURT

Personal Information

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey 2003 - 2009

Post Graduate, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Yl) (Tezli), Turkey 2000 - 2003

Under Graduate, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1995 - 2000

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Dipers turuncu boya ve karbon nanopartikül katkılı nematik sıvı kristallerin karakterizasyonu ve uygulanabilirliğinin araştırılması, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), 2009

Post Graduate, Dispers siyah azo boya eldesi, karakterizasyonu ve uygulanabilirliğinin araştırılması, Gazi University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Yl) (Tezli), 2003

Research Areas

Engineering and Technology

Academic Titles / Tasks

Associate Professor, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2019 - Continues

Research Assistant, Gazi University, Mühendislik-Mimarlık Fakültesi, 2001 - 2007

Professional Experience

Deputy Head of Department, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği, 2020 - Continues

Courses

İleri Bor Teknolojisi, Doctorate, 2020 - 2021

Advising Theses

GÜRÜ M., AKKURT F., Kobalt floroborat sentezi ve alev geciktirici olarak kullanılabilirliği, Post Graduate, R.BİBEROĞLU(Student), 2020

AKKURT F., Pet şişelerde performans artırılması amacıyla gerdirme şişirme kalıplama proses parametrelerinin optimizasyonu, Post Graduate, İ.ADEVİYE(Student), 2017

Jury Memberships

Post Graduate, Post Graduate, Gazi Üniversitesi, July, 2020

Post Graduate, Post Graduate, Gazi Üniversitesi, February, 2020

Appointment Academic Staff, Appointment Academic Staff, Malatya Turgut Özal Üniversitesi, January, 2020

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

- I. **Thermal conversion behavior of paper mill sludge: characterization, kinetic, and thermodynamic analyses**
YARAŞ A., DEMİREL B., AKKURT F., Arslanoglu H.
BIOMASS CONVERSION AND BIOREFINERY, 2021 (Journal Indexed in SCI)
- II. **Novel monoanionic diphenate-nicotinamide/N,N-diethylnicotinamide complexes of Ni-II, Zn-II. Synthesis, structural investigations and hydrogen adsorption study**
YURDAKUL Ö., ŞAHİN Z. S., KÖSE D. A., ŞAHİN O., AKKURT F.
JOURNAL OF MOLECULAR STRUCTURE, vol.1218, 2020 (Journal Indexed in SCI)
- III. **Order parameter exchange and photoconductivity of nematic liquid crystals with various additives**
AKKURT F.
LIQUID CRYSTALS, vol.47, no.9, pp.1398-1407, 2020 (Journal Indexed in SCI)
- IV. **Investigation of mechanical and thermal properties of nano SiO₂/hydrophobic silica aerogel co-doped concrete with thermal insulation properties**
Al Zaidi I. K., DEMİREL B., ATİŞ C. D., AKKURT F.
STRUCTURAL CONCRETE, vol.21, no.3, pp.1123-1133, 2020 (Journal Indexed in SCI)
- V. **Investigation of boron usability in rock wool production**
Yorukoglu A., Akkurt F., Culha S.
CONSTRUCTION AND BUILDING MATERIALS, vol.243, 2020 (Journal Indexed in SCI)
- VI. **Novel coordination compounds: Mn(II), Co(II), Ni(II), Cu(II), and Zn(II) cations with acesulfame/N,N-diethylnicotinamide ligands**
Yildirim T., KÖSE D. A., AVCI G. A., ŞAHİN O., AKKURT F.
JOURNAL OF COORDINATION CHEMISTRY, vol.72, pp.3502-3517, 2019 (Journal Indexed in SCI)
- VII. **Novel Non-Metal Cation (NMC) Pentaborate Salts of Some Amino Acids**
Sizir U., YURDAKUL Ö., KÖSE D. A., AKKURT F.
MOLECULES, vol.24, no.15, 2019 (Journal Indexed in SCI)
- VIII. **Comparison of Guest-Host Liquid Crystal Systems Doped with Azo or Anthraquinone Dyes**
Gurluk M., Abdulkadir H. A., Akkus M. S., Akkurt F., Alicilar A.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.41, pp.1-5, 2017 (Journal Indexed in SCI)
- IX. **Synthesis and Structural Characterization of a Binuclear Mixed-Ligand (Salicylate and N, N-diethylnicotinamide) Nickel(II) Complex, Its Magnetic Properties. [Ni-2(mu-Sal)(4)(Dena)(2)]H₂O**
Kose D. A., Akkurt F., Sahin O., Buyukgungor O.
JOURNAL OF THE CHINESE CHEMICAL SOCIETY, vol.61, no.12, pp.1326-1332, 2014 (Journal Indexed in SCI)
- X. **Laser induced electro-optical characterization of anthraquinone dye and fullerene C₆₀ doped guest-host liquid crystal systems**
Akkurt F.

JOURNAL OF MOLECULAR LIQUIDS, vol.194, pp.241-244, 2014 (Journal Indexed in SCI)

- XI. **Effects on molecular orientation and phase transition of addition of carbon nanotubes into liquid crystalline matrix**
Akman A., Akkurt F., Alicilar A.
Liquid Crystals, vol.41, no.4, pp.603-609, 2014 (Journal Indexed in SCI Expanded)
- XII. **Characterisation of azo dye and carbon nanoparticle-doped guest-host liquid crystalline matrix**
Akkurt F.
LIQUID CRYSTALS, vol.41, no.9, pp.1269-1276, 2014 (Journal Indexed in SCI)
- XIII. **INVESTIGATION OF AVAILABILITY OF EXPANDED PERLITE IN THE PRODUCTION OF CONSTRUCTION MATERIAL**
Celik A. G., KILIÇ A. M., Akkurt F.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.29, no.3, pp.451-458, 2014 (Journal Indexed in SCI)
- XIV. **Phase transitions and molecular orientation in nematic liquid crystals doped with blue-red dye mixtures and carbon nanotubes**
Alicilar A., KAYA N., Akkurt F.
Fullerenes Nanotubes and Carbon Nanostructures, vol.21, no.3, pp.258-272, 2013 (Journal Indexed in SCI Expanded)
- XV. **Alignment and reorientation in nematic liquid crystals doped with red dye and carbon nanotube**
Kaya N., Akkurt F., Alicilar A.
Fullerenes Nanotubes and Carbon Nanostructures, vol.19, no.4, pp.262-270, 2011 (Journal Indexed in SCI Expanded)
- XVI. **Orientation in Nematic Liquid Crystals Doped with Orange Dyes and Effect of Carbon Nanoparticles**
Alicilar A., AKKURT F., Kaya N.
CHINESE JOURNAL OF CHEMICAL PHYSICS, vol.23, no.3, pp.368-372, 2010 (Journal Indexed in SCI)
- XVII. **Phase Transitions, Order Parameters and Threshold Voltages in Liquid Crystal Systems Doped with Disperse Orange Dye and Carbon Nanoparticles**
Akkurt F., Kaya N., Alicilar A.
FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES, vol.17, no.6, pp.616-624, 2009 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **ÜSTÜN ÖZELLİKLERE SAHİP İLERİ TEKNOLOJİ SERAMİĞİ: TİTANYUM DİBORÜR**
AKKURT F., Kalender E., Yörükoğlu A.
BOR DERGİSİ, vol.4, pp.203-208, 2019 (Refereed Journals of Other Institutions)
- II. **Development of low-temperature porcelain tile bodies with low-grade boron bearing minerals by dry route**
Korç G. Ç., Büyükkepççi H., KARA A., AKKURT F., Bircan T., Kayacı K., Erçetin Y.
Cfi-Ceramic Forum International, 2018 (Refereed Journals of Other Institutions)
- III. **Air Oxidation of Ferrous Iron in Water**
ALICILAR A., MERİÇ G., AKKURT F., ŞENDİL O.
Journal of International Environmental Application & Science, vol.3, no.5, pp.409-414, 2008 (Refereed Journals of Other Institutions)
- IV. **A study on disperse azo black textile dye**
AKKURT F., BENLİ S., BALBAŞI M., ALICILAR A.
Trends in Chemical Engineering, vol.11, pp.73-76, 2008 (Refereed Journals of Other Institutions)
- V. **The use of biodegradable salts in dyeing of cotton fabrics with reactive dyes**
ALICILAR A., DÜNDAR H. Ö., AKKURT F., TUTAK M.
Trends in Chemical Engineering, vol.11, pp.67-71, 2008 (Refereed Journals of Other Institutions)

- VI. **Dispers kırmızı 1 tekstil boyasının karakterizasyonu ve uygulanabilirli inin araştırılması**
AKKURT F., BENLİ S., ALICILAR A.
Gazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.20, no.4, pp.429-432, 2005 (Refereed Journals of Other Institutions)
- VII. **Şanlıurfa Balıklıgöl suyunun bazı kimyasal parametrelerinin mevsimlere göre de işiminin de erlendirilmesi**
DİŞLİ M., AKKURT F., ALICILAR A.
Gazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.19, no.3, pp.287-294, 2004 (Refereed Journals of Other Institutions)
- VIII. **Şanlıurfa Balıklıgöl suyunun fiziksel parametreler yönüyle de erlendirilmesi**
DİŞLİ M., AKKURT F., ALICILAR A.
Gazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.18, no.4, pp.81-88, 2003 (Refereed Journals of Other Institutions)
- IX. **Baca gazlarındaki azot oksitlerin bentonit üzerine adsorpsiyon yoluyla dolgulu kolonlarda giderilmesi,**
Alicılar A., GÜRÜ M., MURATHAN A. M. , AKKURT F.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.16, no.2, pp.319-325, 2003 (Other Refereed National Journals)
- X. **Sularda bulunan nitratın adsorpsiyon yoluyla uzaklaştırılması**
AKKURT F., ALICILAR A., ŞENDİL O.
Gazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.17, no.4, pp.83-91, 2002 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Recovery of Lithium from Boron Wastes and Its Economical Evaluation**
Yörükoğlu A., AKKURT F., Karakaş S., Özkasapoğlu S.
IMPC-EURASIA 2019, 31 October - 02 November 2019
- II. **Bringing of Boron Wastes to Economoy Through the Rock Wool Production**
Yörükoğlu A., AKKURT F., Çulha S.
IMPC-EURASIA 2019, 31 October - 02 November 2019
- III. **Variation of Order Parameter With Temperature For Liquid Crystals Doped with Dye and Nanoparticle**
AKKURT F., DEMİREL B.
4. International Conference on Material Science and Technology in Kızılcahamam/ANKARA (IMSTEC 2019, 18 - 20 October 2019)
- IV. **Current-Voltage Characteristisc of Fullerene Doped Liquid Crystals**
AKKURT F., DEMİREL B.
4. International Conference on Material Science and Technology in Kızılcahamam/ANKARA (IMSTEC 2019), 18 - 20 October 2019
- V. **Preparation of Antibacterial Glazes with Calcium Borate and Investigation of It's Antibacterial Properties**
Çıtak E., DEMİREL B., Çelik G., AKKURT F.
4. International Conference on Material Science and Technology in Kızılcahamam/ANKARA (IMSTEC 2019), 18 - 20 October 2019
- VI. **Corrosion Behaviors of Borided AISI 420 Steel**
ÇELİK A. G. , GÜNEŞ İ., AKKURT F.
2nd International Conference on Agriculture, Technology, Engineering and Sciences (ICATES 2019), 18 - 20 September 2019, pp.370-375
- VII. **Investigation of Perlite Brick Production Method**
ÇELİK A. G. , AKKURT F.

2nd International Conference on Agriculture, Technology, Engineering and Sciences (ICATES 2019), 18 - 20 September 2019, pp.365-369

- VIII. **Investigation of Best Material For Brake Discs With Multi Criteria Decision Making Methods**
DEMİREL B., ŞENYİĞİT E., AKKURT F.
The International Conference on Material Science, Mechanical and Automotive Engineers and Technology in Cappadocia/NEVŞEHİR (IMSMATEC'19), 21 - 23 June 2019
- IX. **Best Material Selection for Novel Airplane Battery Box**
DEMİREL B., ŞENYİĞİT E., AKKURT F.
The International Conference on Material Science, Mechanical and Automotive Engineers and Technology in Cappadocia/NEVŞEHİR (IMSMATEC'19), 21 - 23 June 2019
- X. **Effect of Boron on Microstructure and Hardness Properties of High Entropy Alloys**
ALGAN İ. B. , Arık M. N. , TALAŞ Ş. , KURT A., AKKURT F.
International Symposium on Boron (BORON2019), 17 - 19 April 2019
- XI. **Investigation of Ballistic Behaviours of Kevlar and Boron Fiber on Helmet Design by Ansys**
DEMİREL B., ŞENYİĞİT E., Öztürk A. C. , İnaner N., Şahin S., AKKURT F.
International Symposium on Boron (BORON2019), 17 - 19 April 2019
- XII. **Mekanokimyasal ve Yaş Yöntemle Kurşun Floroborat Üretimini 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
- XIII. **Effect of carbon nanoparticles on the I V characteristics of dye doped nematic liquid crystal**
AKKURT F., KAYA N., ALICILAR A.
21st International Congress of Chemical and Process Engineering (CHISA 2014), 23 - 27 August 2014
- XIV. **Removal of heavy metals ions from aqueous solutions on pumice stone via adsorption in fixed bed**
MURATHAN A. M. , Benli S., AKKURT F.
11 th APCCHE 2006, 27 - 30 August 2006
- XV. **1 4 Diamino antrakinon bileşiğinin sıvı kristal boyası olarak kullanılabilirliğinin araştırılması**
ŞAHİN G., AKKURT F., ALICILAR A.
GAP V. Mühendislik Kongresi, Turkey, 26 - 28 April 2006

Supported Projects

Köse D. A. , Akkurt F., BOREN, Ulusal Bor Araştırma Enstitüsü Projesi, BOR BESİN DESTEK MALZEMELERİ OLARAK BOR ESTERLERİ, SENTEZ VE YAPISAL KARAKTERİZASYONLARI, 2020 - 2022

Şahin Ö., Akkurt F., BOREN, Ulusal Bor Araştırma Enstitüsü Projesi, Potasyum Tetraborat Tetrahidratın ve Ultrasaf Borik Asitin Kristalizasyonla Üretiminde Partikül Boyutunun Kontrolü/Kekleşme Sorununun Giderilmesi,, 2020 - 2022

Demircan Ö., Akkurt F., BOREN, Ulusal Bor Araştırma Enstitüsü Projesi, Fiber Takviyeli Termoset ve Termoplastik Polimerik Kompozitlerde Fiber/Matriks Arayüzey Özelliklerinin İyileştirilmesi için Bor Nano ve Mikro Parçacık Yapıların Kullanılması, 2019 - 2021

Çelikkhan H., Akkurt F., Yavuz S., Özkan H., BOREN, Ulusal Bor Araştırma Enstitüsü Projesi, Boron doped carbon nanodot synthesis, characterization ana cell application, 2018 - 2021

Akkurt F., Demirel B., Yaraş A., BOREN, Ulusal Bor Araştırma Enstitüsü Projesi, Kalsiyum Borat'ın (CaB₂O₄) PET'ten Üretilen Mamul ve Yarı Mamul Malzemelerde Ortaya Çıkan Zararlı Kimyasallar Üzerine İnhibisyon Etkisinin İncelenmesi, 2019 - 2020

Patent

AKKURT F., BOR BİLEŞİKLERİ İÇEREN TAŞ YÜNÜ ÜRETİM YÖNTEMİ, Patent, CHAPTER C Chemistry; Metallurgy, 2017

Activities in Scientific Journals

Bor Dergisi, Editor, 2016 - Continues

Scientific Refereeing

Project Supported by Other Official Institutions, T.C. Sanayi ve Teknoloji Bakanlıđı, Turkey, December 2020

Project Supported by Other Official Institutions, T.C. Sanayi ve Teknoloji Bakanlıđı, Turkey, October 2020

Citations

Total Citations (WOS):71

h-index (WOS):6