

## Prof. Fatih ÇAKAR

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Fizikokimya, Turkey 2005 - 2011

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Fizikokimya, Turkey 2002 - 2005

Undergraduate, Uludağ Üniversitesi, Fen Edebiyat Fakültesi, Kimya, Turkey 1997 - 2002

### Dissertations

Doctorate, Çeşitli polimer-polimer karışımlarının ters gaz kromatografi, viskozite ve iletkenlik metodlarıyla karakterizasyonu, Yildiz Technical University, Graduate School of Natural and Applied Sciences, 2011

Postgraduate, Poli (eter imid)'in termodinamik etkileşimlerinin ve ikinci dereceden geçişlerinin ters gaz kromatografisi metodu ile belirlenmesi ve poli (eter imid)'in elektrik iletkenliğinin incelenmesi, Yildiz Technical University, Graduate School of Natural and Applied Sciences, 2005

### Research Areas

Chemistry, Physical Chemistry, Characterization of Polymers, Natural Sciences

### Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2022 - Continues

Associate Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2017 - 2022

Assistant Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2012 - 2017

Research Assistant, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2006 - 2012

### Academic and Administrative Experience

Deputy Head of Department, Yildiz Technical University, 2016 - 2020

Yıldız Teknik Üniversitesi, Rectorate, Öyp, 2013 - 2017

Yıldız Teknik Üniversitesi, Rectorate, Farabi, 2013 - 2017

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Agricultural *Lolium perenne* seeds as a low-cost biosorbent for Safranin T adsorption from wastewater: Isotherm, kinetic, and thermodynamic studies**  
Karadeniz S. C., IŞIK B., UĞRAŞKAN V., ÇAKAR F.  
Physics and Chemistry of the Earth, vol.129, 2023 (SCI-Expanded)
- II. **Adsorptive removal of hazardous dye (crystal violet) using bay leaves (*Laurus nobilis* L.): surface characterization, batch adsorption studies, and statistical analysis**  
IŞIK B., AVCI S., ÇAKAR F., CANKURTARAN Ö.  
Environmental Science and Pollution Research, vol.30, no.1, pp.1333-1356, 2023 (SCI-Expanded)
- III. **Adsorptive removal of crystal violet from wastewater using sodium alginate-gelatin-montmorillonite ternary composite microbeads**  
Akin K., UĞRAŞKAN V., IŞIK B., ÇAKAR F.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.223, pp.543-554, 2022 (SCI-Expanded)
- IV. **Comparison of the adsorption efficiency of cationic (Crystal Violet) and anionic (Congo Red) dyes on *Valeriana officinalis* roots: Isotherms, kinetics, thermodynamic studies, and error functions**  
Akdemir M., IŞIK B., ÇAKAR F., CANKURTARAN Ö.  
Materials Chemistry and Physics, vol.291, 2022 (SCI-Expanded)
- V. **The study on cholesteryl chloroformate liquid crystal for separation of isomers and determination of its surface properties**  
IŞIK B., ÇAKAR F., CANKURTARAN Ö.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.57, no.17, pp.2843-2851, 2022 (SCI-Expanded)
- VI. **Synthesis of boron carbon nitride layers for the adsorption of hazardous basic dye from aqueous solutions**  
IŞIK B., UĞRAŞKAN V., ÇAKAR F., YAZICI Ö.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.48, no.10, pp.4249-4268, 2022 (SCI-Expanded)
- VII. **Determination of the surface thermodynamic characteristics and the structural isomer separation ability of new synthesized phenylbenzoate-based three-ring calamitic liquid crystals by inverse gas chromatography**  
Cakar A., ÇAKAR F., OCAK H., Karavelioglu S., BİLGİN ERAN B., CANKURTARAN Ö.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1265, 2022 (SCI-Expanded)
- VIII. **A comparative study of surface properties of *Urtica dioica* (nettle) leaves, roots, and seeds and examination of their ability to separate xylene isomers**  
IŞIK B., ÇAKAR F., CANKURTARAN Ö.  
Phytochemical Analysis, vol.33, no.6, pp.886-894, 2022 (SCI-Expanded)
- IX. **Investigation of thermodynamic properties of Amine Modified Polystyrene and its use for separation of isomers**  
Adıgüzel A. Ç., Korkmaz B., ÇAKAR F., CANKURTARAN Ö., Şenkal B. F.  
Fluid Phase Equilibria, vol.559, 2022 (SCI-Expanded)
- X. **Comparative physicochemical characterization of ULTEM/SWCNT nanocomposites: Surface, thermal and electrical conductivity analyses**  
UĞRAŞKAN V., IŞIK B., YAZICI Ö., ÇAKAR F.  
Journal of Polymer Research, vol.29, no.7, 2022 (SCI-Expanded)
- XI. **A comparative study on the adsorption of toxic cationic dyes by Judas tree (*Cercis siliquastrum*) seeds**  
IŞIK B., UĞRAŞKAN V., ÇAKAR F., YAZICI Ö.  
BIOMASS CONVERSION AND BIOREFINERY, 2022 (SCI-Expanded)
- XII. **Investigation of the Surface Properties of Hexagonal Boron Nitride and Boron Phosphate by Inverse Gas Chromatography at Infinite Dilution**  
IŞIK B., UĞRAŞKAN V., ÇAKAR F., YAZICI Ö.  
JOURNAL OF CHROMATOGRAPHIC SCIENCE, 2022 (SCI-Expanded)

- XIII. **Removal of Safranin T by a highly efficient adsorbent (Cotinus Coggyria leaves): Isotherms, kinetics, thermodynamics, and surface properties**  
UĞRAŞKAN V., IŞIK B., YAZICI Ö., ÇAKAR F.  
Surfaces and Interfaces, vol.28, 2022 (SCI-Expanded)
- XIV. **Effective and fast removal of crystal violet dye from aqueous solutions using Rumex acetosella: isotherm, kinetic, thermodynamic studies, and statistical analysis**  
Erdogan Y., IŞIK B., UĞRAŞKAN V., ÇAKAR F.  
BIOMASS CONVERSION AND BIOREFINERY, 2022 (SCI-Expanded)
- XV. **Surface characterization and synthesis of boron carbide and silicon carbide**  
Uğraşkan V., Işık B., Yazıcı Ö., Çakar F.  
SOLID STATE SCIENCES, vol.118, 2021 (SCI-Expanded)
- XVI. **Liquid Crystal Entrapped Porous Films for Ammonia Sensing and Determination of Surface Properties of Liquid Crystal Molecule**  
IŞIK B., ÇAKAR F., CANKURTARAN Ö., CANKURTARAN H.  
CHEMISTRYSELECT, vol.6, no.26, pp.6740-6747, 2021 (SCI-Expanded)
- XVII. **Studies on Miscibility of a Copolyester of Bisphenol-A with Terephthalic and Isophthalic Acids and Poly(methyl methacrylate) Blends in Dilute Solution**  
IŞIK B., ÇAKAR F., CANKURTARAN Ö.  
POLYMER SCIENCE SERIES A, vol.63, no.4, pp.429-434, 2021 (SCI-Expanded)
- XVIII. **Thermodynamic and separation properties of 4-(octyloxy) benzoic acid liquid crystals by inverse gas chromatography (IGC)**  
Işık B., Çakar F., Cankurtaran H., Cankurtaran Ö.  
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.50, no.1, pp.1-15, 2021 (SCI-Expanded)
- XIX. **Investigation of the surface properties of dibutyl amine modified poly(styrene) based polymer by inverse gas chromatography method**  
Adiguzel A. C., Korkmaz B., Çakar F., Cankurtaran O., Senkal B. F.  
JOURNAL OF POLYMER RESEARCH, vol.28, no.3, 2021 (SCI-Expanded)
- XX. **Synthesis and thermodynamic characterization of poly(methyl methacrylate)/multiwall carbon nanotube nanocomposite**  
Çakar F.  
Surface and Interface Analysis, vol.53, pp.258-267, 2021 (SCI-Expanded)
- XXI. **Application of inverse gas chromatography in the surface characterization of diethanol amine modified polystyrene based polymer**  
ADIGUZEL A. C., Korkmaz B., ÇAKAR F., Şenkal B. F., CANKURTARAN Ö.  
Turkish Journal of Chemistry, vol.45, no.5, pp.1533-1542, 2021 (SCI-Expanded)
- XXII. **Synthesis and characterization of novel 4-benzyloxyphenyl 4-[4-(n-dodecyloxy) benzyloxy]benzoate liquid crystal**  
Balkanli E., ÇAKAR F., OCAK H., CANKURTARAN Ö., BİLGİN ERAN B.  
TURKISH JOURNAL OF CHEMISTRY, vol.45, no.1, pp.71-85, 2021 (SCI-Expanded)
- XXIII. **Evaluation of the surface properties of 4-(Decyloxy) benzoic acid liquid crystal and its use in structural isomer separation**  
IŞIK B., ÇAKAR F., CANKURTARAN H., CANKURTARAN Ö.  
TURKISH JOURNAL OF CHEMISTRY, vol.45, no.3, pp.845-857, 2021 (SCI-Expanded)
- XXIV. **Thermodynamic Characterization of Sodium Alginate by Inverse Gas Chromatography**  
Uğraşkan V., Işık B., Yazıcı Ö., Çakar F.  
JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.65, no.4, pp.1795-1801, 2020 (SCI-Expanded)
- XXV. **Synthesis and liquid crystalline properties of new triazine-based pi-conjugated macromolecules with chiral side groups**  
Akkurt N., Al-Jumaili M. H. A., Ocak H., Çakar F., Torun L.  
TURKISH JOURNAL OF CHEMISTRY, vol.44, pp.726-746, 2020 (SCI-Expanded)
- XXVI. **Thermodynamic Characterization of Surface and Solubility of 5-((S)-3,7-Dimethyloctyloxy)-2-[[[4-**

**(octyloxy)phenyl]imino]methyl]phenol Liquid Crystal with Some Solvents**

Yanic S. M., ÇAKAR F., OCAK H., KARAMAN F., CANKURTARAN Ö., Eran B.

JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.64, no.3, pp.1007-1013, 2019 (SCI-Expanded)

- XXVII. **DETERMINATION OF GLASS TRANSITION TEMPERATURE AND SURFACE PROPERTIES OF NOVEL CHALCONE MODIFIED POLY (STYRENE) BASED POLYMER**  
Adiguzel A. C., ÇAKAR F., Şenkal B. F., CANKURTARAN Ö., Hepuzer Gursel Y., KARAMAN F.  
THERMAL SCIENCE, vol.23, 2019 (SCI-Expanded)
- XXVIII. **Investigation of thermodynamic properties of 4-decyloxybiphenyl-4'-carboxylic acid liquid crystal and preparation of polymer dispersed liquid crystal composite**  
Öztürk E., Ocak H., Çakar F., Karanlık G., Cankurtaran Ö., Bilgin-Eran B.  
JOURNAL OF MOLECULAR LIQUIDS, vol.265, pp.24-30, 2018 (SCI-Expanded)
- XXIX. **Surface and Thermodynamic Characterizations and Secondary Transition of Novel Phthalocyanine Glass**  
Korkut S., Yazıcı Ö., Çakar F.  
JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.63, no.5, pp.1146-1153, 2018 (SCI-Expanded)
- XXX. **Miscibility in mixtures of liquid crystal 4-[4-(tetradecyloxy)benzoyloxy] benzoic acid and poly(ether imide)**  
ÇAKAR F., OCAK H., Bilgin-Eran B., OZKAL S., CANKURTARAN Ö., KARAMAN F.  
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.656, no.1, pp.66-73, 2017 (SCI-Expanded)
- XXXI. **Morphology and preparation of polymer dispersed liquid crystals by solvent-induced phase separation method**  
Yanic S. M., OCAK H., ÇAKAR F., Bilgin-Eran B., GUZELLER D., CANKURTARAN Ö.  
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.11, pp.77-81, 2017 (SCI-Expanded)
- XXXII. **A study of the thermodynamical interactions with solvents and surface characterisation of liquid crystalline 5-((S)-3,7-dimethyloctyloxy)-2-[[[4-(dodecyloxy)phenyl]imino]-methyl]phenol by inverse gas chromatography**  
OCAK H., Mutlu-Yanic S., ÇAKAR F., Bilgin-Eran B., GUZELLER D., KARAMAN F., CANKURTARAN Ö.  
JOURNAL OF MOLECULAR LIQUIDS, vol.223, pp.861-867, 2016 (SCI-Expanded)
- XXXIII. **Miscibility studies on a poly (ether imide) and poly (methyl methacrylate) blends**  
Çakar F., Yazıcı Ö., Adlı E.  
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.10, pp.578-582, 2016 (SCI-Expanded)
- XXXIV. **A study of dendritic ionic liquid crystals: Using (S)-4-citronellyloxybenzoic acid and polypropylene imine dendrimers**  
TURKCU H. N., OCAK H., GURBUZ M. U., ÇAKAR F., Bilgin-Eran B., TÜLÜ M.  
JOURNAL OF MOLECULAR LIQUIDS, vol.216, pp.209-215, 2016 (SCI-Expanded)
- XXXV. **A study on miscibility of polysulfone and polydimethylsiloxane mixtures by viscometry**  
Kaya M. A., Çakar F., Cankurtaran Ö., Karaman F.  
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.10, pp.240-244, 2016 (SCI-Expanded)
- XXXVI. **Thermodynamical characterization of poly (ethylene glycol) and tosylate functionalized poly(ethylene glycol) interaction with some nonpolar and polar solvents via inverse gas chromatography**  
Sesigür F., Dasdan D., Yazıcı Ö., Çakar F., Cankurtaran Ö., Karaman F.  
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.10, pp.97-101, 2016 (SCI-Expanded)
- XXXVII. **Thermodynamic and surface characterisation of 4-[4-((S)-citronellyloxy) benzoyloxy] benzoic acid thermotropic liquid crystal**  
EROL I., ÇAKAR F., OCAK H., CANKURTARAN H., CANKURTARAN Ö., Bilgin-Eran B., KARAMAN F.  
LIQUID CRYSTALS, vol.43, no.1, pp.142-151, 2016 (SCI-Expanded)

- XXXVIII. **Synthesis, Preparation, and Characterization of Liquid Crystal/Organo-Montmorillonite Nanocomposites**  
 YANIC S. M., GUZELLER D., OCAK H., ÇAKAR F., EROL I., CANKURTARAN Ö., Eran B. B.  
 MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.607, no.1, pp.23-31, 2015 (SCI-Expanded)
- XXXIX. **Investigation of thermodynamic and surface characterisation of 4-[4-(2-ethylhexyloxy)benzoyloxy] benzoic acid thermotropic liquid crystal by inverse gas chromatography**  
 ÇAKAR F., OCAK H., ÖZTÜRK E., MUTLU-YANIC S., Kaya D., SAN N., CANKURTARAN Ö., Bilgin-Eran B., KARAMAN F.  
 LIQUID CRYSTALS, vol.41, no.9, pp.1323-1331, 2014 (SCI-Expanded)
- XL. **Dispersive Surface Energy and Acid-Base Parameters of Tosylate Functionalized Poly(ethylene glycol) via Inverse Gas Chromatography**  
 sesigür F., SAKAR D., YAZICI Ö., ÇAKAR F., CANKURTARAN Ö., KARAMAN F.  
 JOURNAL OF CHEMISTRY, vol.2014, 2014 (SCI-Expanded)
- XLII. **Compatibility studies of poly(ether imide) with liquid crystal mixtures**  
 ÇAKAR F., OCAK H., Bilgin-Eran B., CANKURTARAN Ö., KARAMAN F.  
 OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.7, pp.667-671, 2013 (SCI-Expanded)
- XLIII. **Synthesis and Surface Characterizations of New Banana-Shaped Liquid Crystal 4-Bromo-1,3-phenylene-bis[4-[4'-(10-undecenyloxy)-benzoyloxy]]benzoate**  
 YORUR-GORECI C., ÇAKAR F., GULTEKIN M., CANKURTARAN Ö., KARAMAN F., Bilgin-Eran B.  
 MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.587, no.1, pp.28-40, 2013 (SCI-Expanded)
- XLIII. **A study on compatibility of polymer blends of Poly(2,6-dimethyl-1,4-phenyleneoxide)/Poly(ether imide)**  
 ÇAKAR F., YAZICI Ö., CANKURTARAN Ö., KARAMAN F.  
 OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.6, pp.1153-1156, 2012 (SCI-Expanded)
- XLIV. **Relaxation and Miscibility of the Blends of a Poly (Ether Imide) (Ultem (TM)) and a Phenol-A-Based Copolyester (Ardel (TM)) by Inverse Gas Chromatography**  
 Çakar F., Cankurtaran Ö., Karaman F.  
 CHROMATOGRAPHIA, vol.75, pp.1157-1164, 2012 (SCI-Expanded)
- XLV. **Surface analysis of poly ether imide by inverse gas chromatography**  
 Çakar F., Yazıcı Ö., Şakar Daşdan D., Cankurtaran Ö., Karaman F.  
 Optoelectronics And Advanced Materials-Rapid Communications, vol.5, pp.821-826, 2011 (SCI-Expanded)
- XLVI. **Electrical and thermodynamical characterization of thermotropic liquid crystal**  
 Sesigür F., Sakar D., Yasa-Sahin O., Kuruoglu F., Çakar F., Mogulkoc M., Çalışkan M., Cankurtaran Ö., Serin M., Bilgin-Eran B.  
 OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.5, pp.572-576, 2011 (SCI-Expanded)
- XLVII. **Miscibility Studies on a Copolyester of Bisphenol-A with Terephthalic and Isophthalic Acids/Bisphenol-A Polycarbonate Blends**  
 Sakar D., Çakar F., Cankurtaran Ö., Karaman F.  
 JOURNAL OF APPLIED POLYMER SCIENCE, vol.117, pp.309-314, 2010 (SCI-Expanded)
- XLVIII. **Conducting poly(ether imide)-graphite composite for some solvent vapors sensing application**  
 Çakar F., Moroglu M. R., Cankurtaran H., Karaman F.  
 SENSORS AND ACTUATORS B-CHEMICAL, vol.145, pp.126-132, 2010 (SCI-Expanded)
- XLIX. **Miscibility criteria of blends of poly(2,6-dimethyl-1,4-phenylene oxide)/A copolyester of bisphenol-A with terephthalic and isophthalic acids by viscometric analysis**  
 ÇAKAR F., SAKAR D., CANKURTARAN Ö., KARAMAN F.  
 OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.3, no.10, pp.1106-1109, 2009 (SCI-Expanded)
- L. **Studies on the miscibility of poly(isobutylene) with poly(ether imide) blends in dilute solutions**  
 ÇAKAR F., CANKURTARAN Ö.

OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.3, no.10, pp.1110-1113, 2009 (SCI-Expanded)

- LI. **Determination of Crystallinity Ratio and Some Physicochemical Properties of Poly(4-methyl-1-pentene)**  
YAZICI Ö., ÇAKAR F., CANKURTARAN Ö., KARAMAN F.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.113, no.2, pp.901-906, 2009 (SCI-Expanded)
- LII. **Miscibility criteria of blends of polystyrene/a copolyester of bisphenol-A with terephthalic and isophthalic acids by viscometric analysis**  
Sakar D., Çakar F., Cankurtaran Ö., Karaman F.  
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.3, pp.290-293, 2009 (SCI-Expanded)
- LIII. **A Study on Swelling Behavior of Poly(p-chloro styrene) Networks in Some Aromatic Hydrocarbons and Linear Poly(p-chloro styrene) Solutions**  
Celik O., Sakar D., Çakar F., Cankurtaran Ö., Karaman F.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.111, pp.1328-1334, 2009 (SCI-Expanded)
- LIV. **Physicochemical characterization of 5-Decyloxy-2-[[[4-Hexyloxyphenyl]Imino]Methyl]Phenol liquid crystal by inverse gas chromatography**  
ÇAKAR F., YAZICI Ö., ERAN B. B., CANKURTARAN Ö., KARAMAN F.  
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.2, no.12, pp.871-875, 2008 (SCI-Expanded)
- LV. **Determination of dielectric properties by solubility parameter of poly(4-methyl-1-pentene)**  
YAZICI Ö., ÇAKAR F., CANKURTARAN Ö., KARAMAN F.  
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.2, no.10, pp.655-658, 2008 (SCI-Expanded)
- LVI. **Synthesis and thermodynamical interactions of (S)-5-(2-methylbutoxy)-2-[[[4-hexyloxyphenyl]imino]methyl]-phenol liquid crystal with some solvents**  
YAZICI Ö., OCAK H., ÇAKAR F., CANKURTARAN Ö., ERAN B. B., KARAMAN F.  
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.2, no.6, pp.366-370, 2008 (SCI-Expanded)
- LVII. **Synthesis, characterization and retention behavior of 4-(tetradecyloxy)-N-(4-hexyloxyphenyl)-2-hydroxybenzalimine**  
ÇAKAR F., YORUR C., CANKURTARAN Ö., ERAN B. B., KARAMAN F.  
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.2, no.6, pp.374-378, 2008 (SCI-Expanded)
- LVIII. **Use of inverse gas chromatography for the physicochemical characterisation of a new synthesised liquid crystal: (S)-5-(2-methylbutoxy)-2-[[[4-dodecyloxyphenyl]imino]methyl]phenol**  
OCAK H., SAKAR D., ÇAKAR F., CANKURTARAN Ö., ERAN B. B., KARAMAN F.  
LIQUID CRYSTALS, vol.35, no.12, pp.1351-1358, 2008 (SCI-Expanded)
- LIX. **The evaluation of miscibility of blends of poly(ether imide) (Utem((R))1000) and a copolyester of bisphenol-A with terephthalic and isophthalic acid (Ardel((R))D-100) by viscosimetry**  
Cakar F., Sakar D., Cankurtaran O., Karaman F.  
EUROPEAN POLYMER JOURNAL, vol.43, pp.507-513, 2007 (SCI-Expanded)
- LX. **Determination of secondary transitions and thermodynamic interaction parameters of poly (ether imide) by inverse gas chromatography**  
CAKAR F., Cankurtaran O.  
POLYMER BULLETIN, vol.55, pp.95-104, 2005 (SCI-Expanded)
- LXI. **A study of the electrical properties and secondary transitions of poly (ether imide)**  
Serin M., Cakar F., Cankurtaran O.  
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.7, pp.1517-1522, 2005 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Studies on miscibility of polyetherimide/polystyrene blends**  
IŞIK B., ÇAKAR F., CANKURTARAN Ö.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ,  
vol.40, no.1, pp.57-62, 2022 (ESCI)
- II. **Thermodynamic studies on tert-amine modified polystyrene based polymer/solvent systems by inverse gas chromatography method**  
Adiguzel A. C., Korkmaz B., ÇAKAR F., Cankurtaran Ö., Şenkal B. F.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ,  
vol.39, no.5, pp.414-421, 2021 (ESCI)
- III. **THERMODYNAMICS OF A CHALCONE-BASED POLYMER BY INVERSE GAS CHROMATOGRAPHY METHOD**  
Adiguzel A. C., Korkmaz B., ÇAKAR F., CANKURTARAN Ö., Hepuzer Gursel Y., Şenkal B. F., KARAMAN F.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ,  
vol.38, no.2, pp.581-588, 2020 (ESCI)
- IV. **THERMODYNAMIC INTERACTIONS OF 5-DECYLOXY-2-[[[4HEXYLOXYPHENYL]IMINO]METHYL] PHENOL WITH VARIOUS SOLVENTS**  
Yazici O., ÇAKAR F., Cankurtaran O., Karaman B. B. E. F.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ,  
vol.27, no.1, pp.39-48, 2009 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Determination of phase transition temperatures, thermodynamic properties and isomer separation ability of 4-(Nonyloxy) benzoic acid liquid crystal**  
Işık B., Çakar F., Cankurtaran H., Cankurtaran Ö.  
Ahi Evran 2nd International Conference on Scientific Research, Kırşehir, Turkey, 21 - 23 October 2022, pp.370-372
- II. **Naftalin-2-Sülfonik Asit'in Polis(anilin-ko-tiyofen) Kopolimeri ile Adsorpsiyonu**  
Karadeniz S. C., Uğraşkan V., Işık B., Çakar F.  
VIII. INSAC International Congress on Natural and Engineering Sciences (ICNESS'22), Konya, Turkey, 18 - 20 March 2022, pp.99-100
- III. **Removal of Safranin T Dyes from Wastewaters Using Festuca Arundinacea Seed**  
Karadeniz S. C., Işık B., Uğraşkan V., Çakar F.  
International Conference on New Trends in Science and Applications (NTSA), Elazığ, Turkey, 12 - 13 October 2021, pp.30
- IV. **Investigation of the Surface Properties of 4-(Nonyloxy) Benzoic Acid Liquid Crystal**  
Işık B., Çakar F., Cankurtaran H., Cankurtaran Ö.  
International Conference on New Trends in Science and Applications (NTSA), Elazığ, Turkey, 12 - 13 October 2021, pp.28
- V. **The Surface Thermodynamic Characteristics of New Syntheses 4 [4 ((S) 3,7 Dimethyloxy)Phenoxy)Carbonyl]Phenyl 4 (N Decyloxy) by Inverse Gas Chromatography**  
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