

# Prof. Dolunay ŞAKAR DAŞDAN

## Personal Information

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## International Researcher IDs

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## Education Information

Post Doctorate, Johannes Kepler Universitaet Linz, Institute of Physical Chemistry, Linz Institute of Organic Solar Cells, Austria 2013 - 2013

Doctorate, Yildiz Technical University, Faculty Of Arts & Science, Kimya, Turkey 2002 - 2007

Doctorate, The Leibniz Institute of Polymer Research Dresden , Dept. Functional Nanocomposites and Blends , Germany 2006 - 2006

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Polymer Science And Technology (İngilizce), Turkey 2000 - 2002

Undergraduate, Yildiz Technical University, Faculty Of Arts & Science, Kimya, Turkey 1995 - 1999

## Foreign Languages

English, C1 Advanced

German, B1 Intermediate

## Dissertations

Doctorate, Bisfenol A'nın tereftalik ve izoftalik asit kopoliesteri ile poli(2,6-dimetil-1,4-fenilen oksit)'in ve karışımlarının çeşitli yöntemlerle incelenmesi, Yildiz Technical University, Graduate School of Natural and Applied Sciences, -, 2007

Postgraduate, Synthesis and characterization of star shaped block copolymers via cationic ring opening and photoinitiated radical polymerization techniques, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2002

## Research Areas

Chemistry, Physical Chemistry, Polymeric Materials, Natural Sciences

## Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2023 - Continues

Associate Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2012 - 2023  
Research Assistant PhD, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2007 - 2012  
Research Assistant, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2002 - 2007

## Courses

Polymer Composite Materials, Undergraduate, 2018 - 2019  
BİTİRME ÇALIŞMASI, Undergraduate, 2019 - 2020, 2018 - 2019  
KOROZYON KİMYASI, Undergraduate, 2019 - 2020  
PHYSICAL CHEMISTRY OF MACROMOLECULES, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015  
ARAŞTIRMA YÖNTEMLERİ VE BİLİMSEL ETİK, Doctorate, 2019 - 2020  
UZMANLIK ALAN DERSİ YÜKSEK LİSANS, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
PHYSICOCHEMISTRY 2, Undergraduate, 2018 - 2019  
DOKTORA TEZİ, Doctorate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
GENEL KİMYA, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014  
UZMANLIK ALAN DERSİ DOKTORA, Doctorate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014  
PHYSICOCHEMISTRY LABORATORY 2, Undergraduate, 2018 - 2019  
PHYSICAL CHEMISTRY LAB 2, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
BİTİRME ÇALIŞMASI, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
PHYSICAL CHEMISTRY 2, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016  
ADVANCED ELECTROCHEMISTRY, Postgraduate, 2016 - 2017, 2015 - 2016  
CORROSION CHEMISTRY, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015  
ELECTROCHEMISTRY 1, Undergraduate, 2015 - 2016, 2014 - 2015  
BİTİRME ÇALIŞMASI, Undergraduate, 2013 - 2014  
GENERAL CHEMISTRY, Undergraduate, 2013 - 2014

## Advising Theses

Şakar Daşdan D., Synthesis and Characterization of Nanobased Polymer Drug Delivery system, Doctorate, A.KAHRAMAN(Student), Continues  
Şakar Daşdan D., PAA -Cu( II)-B SA Biyokompleksinin Sentezi ve Karakterizasyonu, Postgraduate, B.ÇAKIR(Student), Continues  
Şakar D., EMÜLSİYON POLİMERLERİNİN BAZI ÖZELLİKLERİNİN MATEMATİKSEL MODELLENMESİ, Postgraduate, M.SAVAŞ(Student), Continues  
Şakar D., KOPOLİMER-MEMANTİN İLAÇ TAŞIMA SİSTEMLERİNİN SENTEZLENMESİ VE KARAKTERİZASYONU, Postgraduate, S.TÜYLÜOĞLU(Student), Continues  
Şakar D., ETODOLAK VE FENBROMAT KAS GEVŞETİCİLERİNİ İÇEREN 3 FARKLI MALEİK ANHİDRİT KOPOLİMERİ-İLAÇ TAŞIMA SİSTEMLERİNİN SENTEZLENMESİ VE KARAKTERİZASYONU, Doctorate, A.DÖNMEZ(Student), Continues  
Şakar Daşdan D., POLİ(ETİLEN -ALT-MALEİK ANHİDRİT)-PREGABALİN İLAÇ TAŞIMA SİSTEMİNİN SENTEZLEMESİ VE KARAKTERİZASYONU, Postgraduate, Ö.ESLEK(Student), 2023  
Şakar Daşdan D., Kopolimer -Levetirasetam İlaç Taşıma Sistemlerinin Sentezlenmesi ve Karakterizasyonu, Postgraduate, O.KÖSE(Student), 2023  
Şakar Daşdan D., Poli(Izobutilen-Alt-Maleik Anhidrit)- Pregabalin İlaç Taşıma Sistemlerinin Sentezlenmesi ve Karakterizasyonu, Postgraduate, R.CAN(Student), 2023  
Şakar Daşdan D., Obtaining and Characterization of Hesperetin Microrods Stabilized by Different Biomaterials from

Various Hesperetin Nanosuspensions, Doctorate, Y.Karahan(Student), 2022  
Şakar Daşdan D., Karahan M., POLİ (METİL VİNİL ETER-ko-MALEİK ANHİDRİT)-BAKIR (II)-SIĞIR SERUM ALBUMİN BİYOKOMPLEKSİNİN HAZIRLANMASI VE SULU ÇÖZELTİLERİNDEKİ KARARLILIĞI ÜZERİNE FARKLI pH VE TUZ KONSANTRASYONLARININ ETKİSİNİN İNCELENMESİ, Postgraduate, R.BİLGE(Student), 2020  
Şakar Daşdan D., Poli(metil vinil eter-alt-maleik anhidrit)-Pregabalin İlaç TaşımaSisteminin Sentezlenmesi ve Karakterizasyonu, Postgraduate, K.ÇAKIRAL(Student), 2020  
Şakar Daşdan D., Karbonmonoksit Salınımı Yapan İmidazol Türevi Ligandlar İçeren Karbonil Komplekslerinin Mobilite, Partikül Boyutu ve Zeta Potansiyel Özelliklerinin Farklı Ortamlarda İncelenmesi, Postgraduate, G.GÜNGÖR(Student), 2020  
Şakar Daşdan D., Maleik Anhidrit Kopolimerlerinin Kararlılıklarının Çeşitli Ph ve Ortamlarda İncelenmesi, Postgraduate, G.Tosun(Student), 2019  
Şakar Daşdan D., Kopolimer-İlaç Taşıyıcı Sisteminin Çeşitli Özelliklerinin Farklı Ortamlarda İncelenmesi, Postgraduate, A.Dızdar(Student), 2016  
Şakar Daşdan D., Poli(Maleikanhidrit-Ko-Vinilasetat)-Noradrenalin Kontrollü İlaç Salım Sisteminin Stabilitesinin ve Salım Özelliklerinin Çeşitli Ortamlarda İncelenmesi, Postgraduate, C.Aslıtürk(Student), 2016  
Şakar Daşdan D., Polimer -doxorubisin ve polimer -hidroksiüre içeren polimer ilaç taşıyıcı sistemlerinin çeşitli özelliklerinin farklı ortamlarda incelenmesi, Postgraduate, N.Melek(Student), 2016  
Serin M., Şakar Daşdan D., Metal/Poliarilat//CdS/ITO ince film Hibrit Eklemlerin Yapısal, Elektrik ve Optik Özelliklerinin incelenmesi, Postgraduate, F.Kuruoğlu(Student), 2012

## Jury Memberships

Doctorate, Doctorate, İstanbul Teknik Üniversitesi, October, 2021  
Doctorate, Doctorate, Tekirdağ Namık Kemal Üniversitesi, September, 2019  
Post Graduate, Post Graduate, İstanbul Technical University, June, 2019  
Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, May, 2019  
Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, May, 2019  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Teknik Üniversitesi, January, 2019  
Post Graduate, Post Graduate, Tekirdağ Namık Kemal Üniversitesi, June, 2015

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

- I. **Manganese-Based CO-Releasing Molecules in Body Fluids: Zetasizer and Bovine Serum Albumin Interaction Analysis**  
Şakar D., Üstün E.  
RUSSIAN JOURNAL OF INORGANIC CHEMISTRY, vol.68, no.9, pp.1303-1312, 2023 (SCI-Expanded)
- II. **Modification of poly(methyl vinyl ether – alt – maleic anhydride) with pregabalin drug active substance via ring opening polymerization of anhydride ring in/noncatalyst media**  
Çakıral K., Şakar D.  
POLYMER BULLETIN, vol.80, no.7, pp.7687-7714, 2023 (SCI-Expanded)
- III. **CO-Releasing, Antioxidant, Antibacterial, Zeta Potential, Theoretical, and Electrochemical Analysis of [Mn(CO)3(bpy)L]OTf Type Complexes**  
Üstün E., Şakar D., Çol Ayvaz M., Sönmez Çelebi M., Ertürk Ö.  
POLYHEDRON, vol.224, no.115997, pp.1-9, 2022 (SCI-Expanded)
- IV. **Poly (phenyl sulfone)/graphite composite as a robust low-cost, comb-type interdigitated sensor for detection of organic solvent vapors**  
Şakar D.  
JOURNAL OF POLYMER RESEARCH, vol.28, no.4, 2021 (SCI-Expanded)
- V. **Investigation of Different pHs and Salt Concentration Effects on the Stability of Poly (methyl vinyl**

**ether-co-maleic anhydride)- Bovine Serum Albumin) Bioconjugate and Poly (methyl vinyl ether-co-maleic anhydride)- Cu+2-Bovine Serum Albumin) Biocomplex in Aquous Solutions**

Börklü R. B., Şakar D., Karahan M.

JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.97, no.10, pp.1-6, 2020 (SCI-Expanded)

- VI. **Stabilization and Harvesting of Hesperetin Microrods from the Hesperetin Stabilised Via Plantacare 2000 Solution by Using Template-Assisted Particle Infiltration Method**  
Karahan Y., Pourasghar M., Schneider M., Keck C. M., Şakar D.  
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.97, no.10, pp.1-6, 2020 (SCI-Expanded)
- VII. **MWCNT induced negative real permittivity in a copolyester of BisphenolA with terephthalic and isophthalic acids**  
Güven Özdemir Z., Şakar D., Kavak P., Pionteck J., Pötschke P., Voit B., Süngü Mısırhoğlu B.  
MATERIALS RESEARCH EXPRESS, vol.7, no.1, pp.1-16, 2020 (SCI-Expanded)
- VIII. **Modeling particle size of polyacrylic acid-copper(II)-bovine serum albumin ternary complex in salt solution**  
Şakar D., Karahan M., Noyan Tekeli F., Gölbaşı Şimşek G.  
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.96, no.9, pp.1195-1198, 2019 (SCI-Expanded)
- IX. **Physicochemical properties, molecular docking and global reactivity descriptors of manganese carbonyl complexes with imidazole ligands**  
Güngör G., Şakar D., Üstün E., Şahin N.  
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.96, pp.1163-1168, 2019 (SCI-Expanded)
- X. **FOREWORD**  
Mukherjee D. C., Sinha C., Hadjikakou S., Şakar D., Bhattacharya S., Sharma P. K., Verma A. K.  
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.96, 2019 (SCI-Expanded)
- XI. **Particle size prediction of copolymer-drug conjugate using partial least squares regression**  
Noyan Tekeli F., Şakar Daşdan D., Karakuş G.  
Bulgarian Chemical Communications, vol.50, pp.18-24, 2018 (SCI-Expanded)
- XII. **AN INVESTIGATION OF the pH EFFECT ON THE PARTICLE SIZE AND ZETA POTENTIALS OF POLY (ETHYLENE GLYCOL) AND POLY EHTYLENE-BLOCK-POLY(ETHYLENE GLYCOL) WITH VARIOUS MOLECULAR WEIGHTS**  
Şakar Daşdan D., Tosun G., Karahan Y.  
Bulgarian Chemical Communications, vol.50, pp.5-11, 2018 (SCI-Expanded)
- XIII. **Surface characterization of thiazolidinone derivatives by inverse gas chromatography**  
Fidan İ., Şakar Daşdan D., Karaman F., Kaban Ş.  
Bulgarian Chemical Communications, vol.49, no.3, pp.742-749, 2017 (SCI-Expanded)
- XIV. **Zetasizer measurements of copolymer-drug carrier system: poly (maleic anhydriteco-vinyl acetate) - acriflavine conjugate**  
Şakar Daşdan D., Dizdar A., Karakuş G.  
Bulgarian Chemical Communications, vol.49, pp.43-49, 2017 (SCI-Expanded)
- XV. **Synthesis of poly((2-dimethylamino)ethyl methacrylate) via atom transfer radical polymerization and surface characterization by inverse gas chromatography**  
Şakar Daşdan D.  
Bulgarian Chemical Communications, vol.48, pp.49-54, 2016 (SCI-Expanded)
- XVI. **Optical Properties of Polyaniline Synthesized by Oxidative Polymerization and Electrical Characterization of Ag/PANI/PEDOT:PSS/Ag Structures**  
Misirlioglu B., SERİN M., Kuruoglu F., Dasdan D.  
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, vol.11, no.2, pp.219-224, 2016 (SCI-Expanded)
- XVII. **Thermodynamical characterization of poly ethyleneglycol and tosylate functionalized poly ethylene glycol interaction with some nonpolar and polar solvents via inverse gas chromatography**  
Sesigür F., Şakar Daşdan D., Yazıcı Ö., Çakar F., Cankurtaran Ö., Karaman F.  
Optoelectronics And Advanced Materials-Rapid Communications, vol.10, pp.97-101, 2016 (SCI-Expanded)
- XVIII. **Electrical, optical and theoretical characterization of doped and undoped calamitic liquid crystal:**

**(s)-5-octyloxy-2-[[[4-(2-methyl butoxy) phenyl] imino] methyl] phenol**

SERİN M., KURUOĞLU F., MOGULKOC M., ÇALIŞKAN M., Yalcin-Gurkan Y., YASA-SAHİN O., SAKAR D., Bilgin-Eran B. OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.8, pp.483-487, 2014 (SCI-Expanded)

- XIX. **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)
- XX. **Structural and Surface Characterization of Newly Synthesized D-pi-D Type Schiff Base Ligand: (1E,2E)-3-[4-(Dimethylamino)phenyl]prop-2-en-1-ylidene)phenylamine**  
Gumrukcu G., Garikyan S., Karaoglan G., Sakar D.  
JOURNAL OF CHEMISTRY, 2013 (SCI-Expanded)
- XXI. **Thermodynamic and surface characterisation of (S)-5-dodecycloxy-2-[[[4-(2-methylbutoxy)phenyl]imino]methethyl]phenol thermotropic liquid crystal by inverse gas chromatography**  
Sesigür F., Sakar D., Yasa-Sahin O., Ocak H., Cankurtaran Ö., Bilgin-Eran B., Karaman F.  
LIQUID CRYSTALS, vol.39, pp.87-97, 2012 (SCI-Expanded)
- XXII. **Investigation of acid-base and surface characteristics of a thermotropic semifluorinated salicylaldehyde liquid crystal by inverse gas chromatography**  
Yazıcı Ö., Ocak H., Yasa-Sahin O., Sakar D., Cankurtaran Ö., Karaman F., Bilgin-Eran B.  
LIQUID CRYSTALS, vol.39, no.12, pp.1421-1426, 2012 (SCI-Expanded)
- XXIII. **Thermodynamical Study of Poly(n-hexyl methacrylate) with Some Solvents by Inverse Gas Chromatography**  
Yazıcı Ö., Sakar D., Cankurtaran Ö., Karaman F.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.122, no.3, pp.1815-1822, 2011 (SCI-Expanded)
- XXIV. **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)
- XXV. **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)
- XXVI. **Surface Characterization of a Novel D-pi-D Type Ligand by IGC at Infinite Dilution**  
Karaoglan G., Sakar D.  
CHROMATOGRAPHIA, vol.73, pp.93-98, 2011 (SCI-Expanded)
- XXVII. **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)
- XXVIII. **A new liquid crystal of considerable value for the separation of closely related solvents by gas chromatography**  
YAŞA-ŞAHİN O., YAZICI Ö., KARAAGAC B., SAKAR D., CANKURTARAN Ö., Bilgin-Eran B., KARAMAN F.  
LIQUID CRYSTALS, vol.37, no.9, pp.1111-1118, 2010 (SCI-Expanded)
- XXIX. **Miscibility criteria of blends of poly(2,6-di methyl-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)
- XXX. **Evaluations on the miscibility of the mixtures of poly(2,6-dimethyl-1,4-phenylene oxide) and a copolyester of bisphenol-A**

- SAKAR D., CANKURTARAN Ö., KARAMAN F.  
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.20, no.3, pp.291-297, 2009 (SCI-Expanded)
- XXXI. **Miscibility criteria of blends of polystyrene a copolyester of bisphenol A with terephthalic and isophthalic acids by viscometric analysis**  
Şakar Daşdan D., Çakar F., Cankurtaran Ö., Karaman F.  
Optoelectronics And Advanced Materials-Rapid Communications, vol.3, pp.290-293, 2009 (SCI-Expanded)
- XXXII. **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)
- XXXIII. **Detection of microphase separation in poly(tert-butyl acrylate-b-methyl methacrylate) synthesized via atom transfer radical polymerization by inverse gas chromatography**  
Aydin S., Erdogan T., Sakar D., Hızal G., CANKURTARAN Ö., Tunca Ü., KARAMAN F.  
EUROPEAN POLYMER JOURNAL, vol.44, no.7, pp.2115-2122, 2008 (SCI-Expanded)
- XXXIV. **Determination of transition points and thermodynamic interaction parameters of poly(2,6-dimethyl-1,4-phenylene oxide)**  
Sakar D., Cankurtaran Ö., Karaman F.  
PLASTICS RUBBER AND COMPOSITES, vol.37, pp.276-280, 2008 (SCI-Expanded)
- XXXV. **DETERMINATION OF ANTHOCYANINS IN SOME VEGETABLES AND FRUITS BY DERIVATIVE SPECTROPHOTOMETRIC METHOD**  
Sakar D., Karaoglan G., Gumrukcu G., Ozgur M.  
REVIEWS IN ANALYTICAL CHEMISTRY, vol.27, no.4, pp.235-249, 2008 (SCI-Expanded)
- XXXVI. **The evaluation of miscibility of blends of poly(ether imide) (Ultem((R))1000) and a copolyester of bisphenol-A with terephthalic and isophthalic acid (Ardel((R))D-100) by viscosimetry**  
Çakar F., Sakar D., Cankurtaran O., Karaman F.  
EUROPEAN POLYMER JOURNAL, vol.43, pp.507-513, 2007 (SCI-Expanded)
- XXXVII. **Swelling behavior of polystyrene networks in some aliphatic esters and linear polystyrene solutions**  
Sakar D., Sarac A., Cankurtaran O., Karaman F.  
POLYMER BULLETIN, vol.58, pp.305-312, 2007 (SCI-Expanded)
- XXXVIII. **Studies on equation-of-state parameters and linear polymer dimensions of poly(p-chlorostyrene) in diethylene glycol monobutyl ether by intrinsic viscosity measurements**  
Sakar D.  
MONATSHEFTE FÜR CHEMIE, vol.137, pp.919-928, 2006 (SCI-Expanded)
- XXXIX. **Doping type effect on electrical conductivity of Poly(2,6-dimethyl-1,4- phenylene oxide) and electrical properties of doped and undoped Poly(2,6-dimethyl-1,4-phenylene oxide) / Ardel@D-100 films**  
Serin M., Şakar Daşdan D., Cankurtaran Ö., Karaman F.  
Journal Of Optoelectronics And Advanced Materials, vol.8, pp.1308-1311, 2006 (SCI-Expanded)
- XL. **Physicochemical characterization of poly(tert-butyl acrylate-b-methyl methacrylate) prepared with atom transfer radical polymerization by inverse gas chromatography**  
SAKAR D., ERDOGAN T., Cankurtaran O., HIZAL G., KARAMAN F., TUNCA U.  
POLYMER, vol.47, no.1, pp.132-139, 2006 (SCI-Expanded)
- XLI. **Thermodynamic interactions of a copolyester of bisphenol A with terephthalic acid and isophthalic acid with some solvents**  
SAKAR D., Cankurtaran O., KARAMAN F.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.98, no.6, pp.2365-2368, 2005 (SCI-Expanded)
- XLII. **Doping effect on electrical properties of poly (2,6-dimethyl- 1, 4- phenylene oxide) films**  
Serin M., Şakar Daşdan D., Cankurtaran H., Cankurtaran Ö., Karaman F.  
Journal Of Optoelectronics And Advanced Materials, vol.7, no.6, pp.3121-3125, 2005 (SCI-Expanded)
- XLIII. **The ratio of crystallinity and thermodynamical interactions of polycaprolactone with some aliphatic esters and aromatic solvents by inverse gas chromatography**

Sarac A., Sakar D., Cankurtaran O., Karaman F.  
POLYMER BULLETIN, vol.53, pp.349-357, 2005 (SCI-Expanded)

- XLIV. **Synthesis of tri-arm star diblock copolymer containing poly(tetrahydrofuran-b- methyl methacrylate) arms via combination of cationic ring opening polymerization and photosensitized free radical polymerization routes**  
Hızal G., Şakar Daşdan D., Tunca U.  
Designed Monomers And Polymers, vol.8, no.6, pp.609-617, 2005 (SCI-Expanded)
- XLV. **Determination of glass transition temperature of a polyarylate by using both inverse gas chromatography and electrical conductivity measurements**  
Serin M., Sakar D., Cankurtaran O., Yılmaz F.  
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.6, no.1, pp.283-288, 2004 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Investigation of stability and activity of quaternized zinc phthalocyanine photosensitizer with fused extended conjugation in vitro conditions**  
Karahan Y., Gümrükçü Köse G., Keser Karaoğlan G., Şakar D.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.42, no.2, pp.490-496, 2024 (ESCI)
- II. **Investigation of poly(ethylene-alt-maleic-anhydride)-pregabalin (1:1) ratio controlled drug delivery system synthesized in catalyst-free media: stability and activity at different pHs**  
Eslek O., Sakar D.  
Bulgarian Chemical Communications, vol.55, no.3, pp.295-298, 2023 (Scopus)
- III. **Effect of anionic/nonionic surfactant systems on the properties of water-based styrene/acrylic copolymer latexes**  
Ayhan B., Şakar D., Tarakçı E.  
Bulgarian Chemical Communications, vol.55, no.3, pp.267-272, 2023 (Scopus)
- IV. **Stability investigation of PAA-BSA bioconjugate and PAA-Cu<sup>2+</sup>-BSA ternary biocomplex at different pHs**  
Çakır B., Şakar D., Karahan M.  
Bulgarian Chemical Communications, vol.54, no.3, pp.271-276, 2022 (Scopus)
- V. **Investigation of stability and activity of poly(ethylene-alt-maleic anhydride) copolymer at different pHs and in simulated body fluids**  
Sakar D.  
Bulgarian Chemical Communications, vol.53, no.4, pp.471-474, 2021 (Scopus)

## Books & Book Chapters

- I. **What Are Polymeric Carriers?**  
Şakar Daşdan D., Karakuş G.  
in: Synthetic Peptide Vaccine Models, MESUT KARAHAN, Editor, CRC, New York , Florida, pp.61-69, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. **Mathematical Modelling of Some Properties of Vinyl Acetate-Butyl Acrylate Latexes**  
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## Congress and Symposium Activities

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## Scholarships

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## Awards

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