

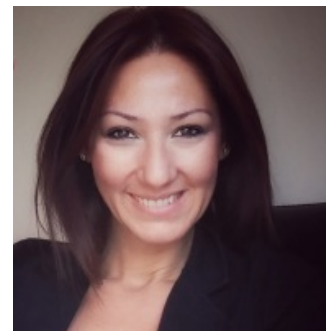
## Prof. Demet KARACA BALTA

### Personal Information

**Office Phone:** [+90 021 238 3419](tel:+900212383419) Extension: 4

**Email:** [dkaraca@yildiz.edu.tr](mailto:dkaraca@yildiz.edu.tr)

**Web:** <https://avesis.yildiz.edu.tr/dkaraca>



### International Researcher IDs

ORCID: 0000-0002-9240-2714

ScopusID: 16686457200

Yoksis Researcher ID: 189810

### Education Information

Associate Degree, Istanbul University, Open And Distance Education Faculty, Open Education Programs, Turkey 2019 - 2022

Doctorate, Yildiz Technical University, Fen-Edebiyat Fak., Kimya Bölümü, Turkey 2005 - 2009

Postgraduate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, Turkey 2002 - 2005

Undergraduate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, Turkey 1998 - 2002

### Dissertations

Doctorate, POLİAROMATİK FOTOBAŞLATICILARIN SENTEZİ: FOTOFİZİKSEL VE FOTOKİMYASAL ÖZELLİKLERİNİN İNCELENMESİ, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Kimya Bölümü/Fizikokimya, 2009

Postgraduate, YENİ BİR FOTOBAŞLATICI OLARAK 5-TİYA-PENTASEN-14-ON' UN SENTEZİ, KARAKTERİZASYONU VE FOTOPOLİMERİZASYONUNUN İNCELENMESİ, Yıldız Teknik Üniversitesi, Faculty of Arts & Science, Kimya Bölümü/Fizikokimya, 2004

### Research Areas

Chemistry, Physical Chemistry, nanocomposites, Characterization of Polymers, New Technologies in Polymer Chemistry, Polymeric Materials, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2015 - Continues

Research Assistant PhD, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2009 - 2015

Research Assistant, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2002 - 2009

### Courses

Postgraduate

polimerlerin karakterizasyonu, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

### **Undergraduate**

Macromolecular Chemistry, Undergraduate, 2019 - 2020, 2018 - 2019

Fizikokimya Laboratuvarı 1, Undergraduate, 2019 - 2020

GENEL KİMYA, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Fizikokimya Laboratuvarı 2, Undergraduate, 2020 - 2021, 2017 - 2018, 2015 - 2016, 2014 - 2015

Fizikokimya 2, Undergraduate, 2016 - 2017

### **Supervised Theses**

Karaca Balta D., Zincir içi çapraz bağlı polimerik nanoparçacıkların sentezi ve karakterizasyonu, Postgraduate, İ.DAŞHAN(Student), 2021

Karaca Balta D., FOTOAKTİF HİDROJELLERİN MİSEL KOPOLİMERİZASYONU İLE ELDESİ VE FLORESANS MADDE SALIM DAVRANIŞLARININ İNCELENMESİ, Postgraduate, D.KILIÇ(Student), 2019

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

- I. **Highly sensitive fluorescent single-chain polymeric nanoparticles as chemosensors for selective Fe<sup>3+</sup> detection**  
Ozturk D., KARACA BALTA D., TEMEL B., Temel G.  
Journal of Photochemistry and Photobiology A: Chemistry, vol.464, 2025 (SCI-Expanded)
- II. **From Single-Chain Polymeric Nanoparticles to Interpenetrating Polymer Network Organogels: A One-Pot Fabrication Approach**  
Daglar S., KARACA BALTA D., TEMEL B., Temel G.  
Gels, vol.11, no.2, 2025 (SCI-Expanded)
- III. **Single-chainpolymer nanoparticles via click crosslinking and effect of photoinduced radical combination on crosslink points**  
Keklik M., Akar I., TEMEL B., Balta D., TEMEL B.  
POLYMER INTERNATIONAL, vol.69, no.10, pp.1018-1023, 2020 (SCI-Expanded)
- IV. **Rapid synthesis of fluorescent single-chain nanoparticles via photoinduced step-growth polymerization of pendant carbazole units**  
KILIÇ D., Pamukcu C., Balta D., Temel B. A., Temel G.  
EUROPEAN POLYMER JOURNAL, vol.125, 2020 (SCI-Expanded)
- V. **Versatile light-responsive organogels: Evaluation of their dye releasing and photoinitiation behaviors**  
Dashan I., Elverici M., Balta D., Temel B. A., Temel G.  
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.57, no.12, pp.1275-1282, 2019 (SCI-Expanded)
- VI. **Preparation of Single Chain Nanoparticles via Photoinduced Double Collapse Process**  
Dashan I., Balta D., Temel B. A., Temel G.  
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.220, no.10, 2019 (SCI-Expanded)
- VII. **Preparation of single chain nanoparticles via photoinduced radical coupling process**  
Dashan I., Balta D., Temel B. A., Temel G.  
EUROPEAN POLYMER JOURNAL, vol.113, pp.183-191, 2019 (SCI-Expanded)
- VIII. **Synthesis and characterization of POSS hybrid organogels using Menshutkin quaternization chemistry**  
KILIÇ D., BALTA D., Saloglu D., Temel G.  
POLYMER INTERNATIONAL, vol.68, no.3, pp.369-376, 2019 (SCI-Expanded)

- IX. **Single-Chain Folding Nanoparticles as Carbon Nanotube Catchers**  
BİLGİ M., Balta D., TEMEL B. A., Temel G.  
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.56, no.24, pp.2709-2714, 2018 (SCI-Expanded)
- X. **Synthesis of photoactive single-chain folded polymeric nanoparticles via combination of radical polymerization techniques and Menschutkin click chemistry**  
Babaoglu S., Balta D., Temel G.  
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.55, no.12, pp.1998-2003, 2017 (SCI-Expanded)
- XI. **Photodimerization of thioxanthone-anthracene: formation of monochromophoric Type II initiator**  
Balta D., ARSU N.  
DESIGNED MONOMERS AND POLYMERS, vol.19, no.3, pp.222-226, 2016 (SCI-Expanded)
- XII. **Thioxanthone of Fluorenone: Visible Photoinitiator for Radical Polymerization**  
KARACA N., Balta D., OCAL N., ARSU N.  
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.54, no.7, pp.1012-1019, 2016 (SCI-Expanded)
- XIII. **"Mono" and "bifunctional" aromatic esterificated benzophenone photoinitiators for free radical polymerization**  
AYDIN M., Temel G., Balta D., ARSU N.  
POLYMER BULLETIN, vol.72, no.2, pp.309-322, 2015 (SCI-Expanded)
- XIV. **Synthesis, photophysical and photochemical studies of benzophenone based novel monomeric and polymeric photoinitiators**  
Balta D., Karahan O., Avci D., ARSU N.  
PROGRESS IN ORGANIC COATINGS, vol.78, pp.200-207, 2015 (SCI-Expanded)
- XV. **One-Component Thioxanthone Acetic Acid Derivative Photoinitiator for Free Radical Polymerization**  
Esen D. S., Temel G., Balta D., Allonas X., ARSU N.  
PHOTOCHEMISTRY AND PHOTOBIOLOGY, vol.90, no.2, pp.463-469, 2014 (SCI-Expanded)
- XVI. **Mechanistic studies of thioxanthone-carbazole as a one-component type II photoinitiator**  
Karaca N., Balta D., Ocal N., ARSU N.  
JOURNAL OF LUMINESCENCE, vol.146, pp.424-429, 2014 (SCI-Expanded)
- XVII. **Synthesis and evaluations of novel photoinitiators with side-chain benzophenone, derived from alkyl alpha-hydroxymethacrylates**  
Karahan O., Balta D., ARSU N., Avci D.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.274, pp.43-49, 2014 (SCI-Expanded)
- XVIII. **Thioxanthone-ethyl anthracene**  
Balta D., ARSU N.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.257, pp.54-59, 2013 (SCI-Expanded)
- XIX. **Type II photoinitiator substituted zinc phthalocyanine: Synthesis, photophysical and photopolymerization studies**  
KORKUT S., Temel G., Balta D., ARSU N., ŞENER M. K.  
JOURNAL OF LUMINESCENCE, vol.136, pp.389-394, 2013 (SCI-Expanded)
- XX. **Thioxanthone-Diphenyl Anthracene: Visible Light Photoinitiator**  
Balta D., TEMEL G., GOKSU G., OCAL N., ARSU N.  
MACROMOLECULES, vol.45, no.1, pp.119-125, 2012 (SCI-Expanded)
- XXI. **Mechanism of Photoinitiated Free Radical Polymerization by Thioxanthone-Anthracene in the Presence of Air**  
Balta D., ARSU N., Yağcı Y., Sundaresan A. K., Jockusch S., Turro N. J.  
MACROMOLECULES, vol.44, no.8, pp.2531-2535, 2011 (SCI-Expanded)
- XXII. **Photopolymerization and photophysical properties of amine linked benzophenone photoinitiator for free radical polymerization**  
Temel G., Enginol B., AYDIN M., Balta D., ARSU N.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.219, no.1, pp.26-31, 2011 (SCI-

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- XXIII. **Photoinitiated polymerization of beta-cyclodextrin/methyl methacrylate host/guest complex in the presence of water soluble photoinitiator, thioxanthone-catechol-O,O'-diacetic acid**  
Karasu F., Balta D., Liska R., ARSU N.  
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.68, pp.147-153, 2010 (SCI-Expanded)
- XXIV. **Thioxanthone based water-soluble photoinitiators for acrylamide photopolymerization**  
Balta D., Temel G., AYDIN M., ARSU N.  
EUROPEAN POLYMER JOURNAL, vol.46, no.6, pp.1374-1379, 2010 (SCI-Expanded)
- XXV. **Poly(ethylene glycol)-Thioxanthone Prepared by Diels-Alder Click Chemistry as One-Component Polymeric Photoinitiator for Aqueous Free-Radical Polymerization**  
Akat H., Gacal B., Balta D., ARSU N., Yağcı Y.  
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.48, no.10, pp.2109-2114, 2010 (SCI-Expanded)
- XXVI. **The Synthesis of Water Soluble Cationic Microgels by Dispersion Polymerization: Their Performance in Kaolin Deposition Onto Fiber**  
ONDARAL S., USTA M., GÜMÜŞDERELİOĞLU M., ARSU N., Balta D.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.116, no.2, pp.1157-1164, 2010 (SCI-Expanded)
- XXVII. **Preparation of hydrogels by photopolymerization of acrylates in the presence of Type I and one-component Type II photoinitiators**  
Karaca N., Temel G., Balta D., AYDIN M., ARSU N.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.209, no.1, pp.1-6, 2010 (SCI-Expanded)
- XXVIII. **The effect of aromatic aminoalcohols on UV-cured films**  
ARSU N., KARASU F., BALTA D., TEMEL G.  
PROGRESS IN ORGANIC COATINGS, vol.65, no.1, pp.136-141, 2009 (SCI-Expanded)
- XXIX. **Determination of photoinitiated polymerization of multifunctional acrylates with acetic acid derivatives of thioxanthone by RT-FTIR**  
KARASU F., AYDIN M., KAYA M. A., BALTA D., ARSU N.  
PROGRESS IN ORGANIC COATINGS, vol.64, no.1, pp.1-4, 2009 (SCI-Expanded)
- XXX. **Host/guest complex of beta-cyclodextrin/5-thia pentacene-14-one for photoinitiated polymerization of acrylamide in water**  
BALTA D., ARSU N.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.200, pp.377-380, 2008 (SCI-Expanded)
- XXXI. **An annelated thioxanthone as a new Type II initiator**  
Balta D., CETINER N., TEMEL G., TURGUT Z., ARSU N.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.199, pp.316-321, 2008 (SCI-Expanded)
- XXXII. **Chemical incorporation of thioxanthone into beta-cyclodextrin and its use in aqueous photopolymerization of methyl methacrylate**  
Balta D., BAGDATLI E., ARSU N., OCAL N., Yağcı Y.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.196, no.1, pp.33-37, 2008 (SCI-Expanded)
- XXXIII. **Synthesis and characterization of polymeric thioxanthone photoinitiators via double click reactions**  
Gacal B., Akat H., Balta D., ARSU N., Yağcı Y.  
MACROMOLECULES, vol.41, no.7, pp.2401-2405, 2008 (SCI-Expanded)
- XXXIV. **Universality in gelation of epoxy acrylate with various photoinitiators: a photo differential scanning calorimetric study**  
Dogruyol Z., Karasu F., Balta D., ARSU N., Pekcan O.  
PHASE TRANSITIONS, vol.81, no.10, pp.935-947, 2008 (SCI-Expanded)
- XXXV. **Quinoxaline derivatives as photoinitiators in UV-cured coatings**  
BALTA D., KESKIN S., KARASU F., ARSU N.  
PROGRESS IN ORGANIC COATINGS, vol.60, no.3, pp.207-210, 2007 (SCI-Expanded)
- XXXVI. **The effect of the amine structure on photoinitiated free radical polymerization of methyl**

### **methacrylate using bisketocoumarin dye**

BALTA D., KARASU F., Aydin M., Arsu N.

PROGRESS IN ORGANIC COATINGS, vol.59, no.4, pp.274-277, 2007 (SCI-Expanded)

### **XXXVII. Thioxanthone-anthracene: A new photoinitiator for free radical polymerization in the presence of oxygen**

Balta D., Arsu N., YAGCI Y., JOCKUSCH S., TURRO N. J.

MACROMOLECULES, vol.40, no.12, pp.4138-4141, 2007 (SCI-Expanded)

## **Books**

- I. **Photoinitiated polymerization of  $\beta$ -Cyclodextrin/ Methyl Methacrylate Host /Guest complex in the Presence of Water Soluble Photoinitiator, Thioxanthone O,O'- Diacetic Acid**  
Karaca Balta D., Karasu F., Temel İ. G., Liska R., Arsu N.  
in: Cyclodextrins: Chemistry and Physics , Jie Hu, Editor, Transworld Research Network, Thiruvananthapuram, pp.231-240, 2010
- II. **Preparation of Hydrogels by Photoinitiated Polymerization of Acrylates: in the presence of novel initiators**  
Karaca N., Temel İ. G., Karaca Balta D., Aydın M., Arsu N.  
in: Basics and Applications of Photopolymerization Reactions, J.P. Fouassier, X. Allonas, Editor, Research Signpost, Thiruvananthapuram, pp.33-46, 2010
- III. **Host/guest complexes of  $\beta$ -Cyclodextrin / 5-Thia pentacene-14-one and  $\beta$ -Cyclodextrin / Thioxanthone Polystyrene for Photoinitiated Polymerization of Acrylamide in Water**  
Temel İ. G., Karaca Balta D., Karasu F., Arsu N.  
in: Cyclodextrins: Chemistry and Physics, Jie Hu, Editor, Transworld Research Network, Thiruvananthapuram, pp.241-256, 2010
- IV. **The effect of photoinitiator content and UV intensity on the rate of diacrylate polymerization; A photo-DSC study**  
Doğruyol Z., Karasu F., Temel İ. G., Karaca Balta D., Aydın M., Doğruyol S., Pekcan M. Ö., Arsu N.  
in: Basics and Applications of Photopolymerization Reactions, J.P. Fouassier, X. Allonas, Editor, Research Signpost, Thiruvananthapuram, pp.161-173, 2010
- V. **Thioxanthone based polymeric photoinitiators**  
Temel İ. G., Karaca Balta D., Sevinç D., Arsu N.  
in: Basics and Applications of Photopolymerization Reactions, J.P. Fouassier, X. Allonas, Editor, Research Signpost, Thiruvananthapuram, pp.37-48, 2010
- VI. **The effect of photoinitiator content and UV intensity on the rate of diacrylate polymerization; A photo-DSC study**  
DOĞRUYOL Z., KARASU KILIÇ F., TEMEL İ. G., KARACA BALTA D., AYDIN M., DOĞRUYOL S., PEKCAN M. Ö., ARSU N.  
in: Basics and Applications of Photopolymerization Reactions, Fouassier J.P., Allonas X., Editor, Research Signpost, Thiruvananthapuram, pp.161-173, 2010
- VII. **Preparation of Hydrogels by Photoinitiated Polymerization of Acrylates: in the presence of novel initiators**  
KARACA N., TEMEL İ. G., KARACA BALTA D., AYDIN M., ARSU N.  
in: Basics and Applications of Photopolymerization Reactions, Fouassier J.P., Allonas X., Editor, Research Signpost, Thiruvananthapuram, pp.33-46, 2010

## **Papers Published in Refereed Scientific Meetings**

- I. **Menschutkin Klık Kimyası ile Nanomalzemelerin Üretimi ve Özellikleri**  
Babaoğlu S., Karaca Balta D., Temel İ. G.

- 12.Ulusal Kimya Mühendisleri Kongresi, İzmir, Turkey, 23 - 26 August 2016
- II. **Poss Nanoparçacığı İçeren Kaplamaların Hazırlanması Ve Mekanik Özelliklerinin İncelenmesi**  
Kılıç D., Karaca Balta D., Aydın M.  
12.Ulusal Kimya Mühendisleri Kongresi, İzmir, Turkey, 23 - 26 August 2016
- III. **Photophysical Properties of Oligothiophenes End-Capped with Thioxanthone Naphthalene**  
Istif E., Karaboğa E., Karaca Balta D., Arsu N.  
Solar Energy for World Peace , İstanbul, Turkey, 17 - 19 August 2013, pp.258-259
- IV. **Synthesis and Investigation of Photophysical Properties of Novel Thioxanthone Based Oligothiophenes**  
Karaboğa E., Istif E., Karaca Balta D., Aydın Yüksel S., Arsu N.  
European Polymer Congress , Pistoia, Italy, 16 - 21 June 2013, pp.45
- V. **The Investigation of Photophysical Properties of Porphyrazine Metal Complexes**  
Karaca Balta D., Aytan Kılıçarslan F., Arsu N., Manav Yalçın S., Gül A.  
European Polymer Congress (EPF 2013), Pistoia, Italy, 16 - 21 June 2013, pp.58
- VI. **Tiyokzanton Bazlı Fotobaşlatıcılar ve Oligotiyofen Sentezi**  
Karaboğa E., Istif E., Karaca Balta D., Arsu N.  
XXVI. Ulusal Kimya Kongresi , Muğla, Turkey, 1 - 06 October 2012
- VII. **Novel polymeric benzophenone photoinitiators from alkyl a-hydroxymethacrylates**  
Karahan O., Karaca Balta D., Arsu N., Avci D.  
244th National Fall Meeting of the American-Chemical-Society (ACS), Pennsylvania, United States Of America, 19 - 23 August 2012, vol.244
- VIII. **Tip II Fotobaşlatıcı Sübstitüe Çinko Ftalosiyanınin Sentezi, Fotopolimerizasyon ve Fotofiziksel Özelliklerinin İncelenmesi**  
Eken Korkut S., Arsu N., Şener M. K., Karaca Balta D., Temel G.  
III. Fiziksel Kimya Günleri, Balıkesir, Turkey, 12 - 15 July 2012, pp.13
- IX. **Host-Guest Inclusion Complexes of Thioxanthone Based Photoinitiators with beta-Cyclodextrin: Photoinitiated Polymerization of MMA and AM**  
Arsu N., Karaca Balta D., Karasu Kılıç F., Temel İ. G.  
RSC Macrocyclic and Supramolecular Chemistry Meeting, Bath, United Kingdom, 19 - 20 December 2011, pp.3
- X. **Functionalization of MW-CNT**  
Karaca Balta D., Özşen A., Arsu N.  
APME-2011 International Symposium on Advanced Polymers via Macromolecular Engineering, Nevşehir, Turkey, 5 - 08 November 2011, pp.185
- XI. **Thioxanthone-Fluorene: A New Visible Photoinitiator**  
Karaca N., Karaca Balta D., Öcal N., Arsu N.  
APME-2011 International Symposium on Advanced Polymers via Macromolecular Engineering , Nevşehir, Turkey, 5 - 08 November 2011, pp.186
- XII. **Photophysical Properties of Free-Base, MgII(ethylsulfanyl)-Porphyrazine**  
Karaca Balta D., Aytan Kılıçarslan F., Arsu N., Yalçın S. S., Gül A.  
APME-2011 International Symposium on Advanced Polymers via Macromolecular Engineering , Nevşehir, Turkey, 5 - 08 November 2011, pp.204
- XIII. **The Synthesis of 1-Hydroxy-4-(Carboxymethoxy) Thioxanthone as Photoinitiator and Investigation of Photoinitiation Efficiency**  
Şekerci C., Karaca N., Karaca Balta D., Arsu N.  
European Symposium of Photopolymer Science, Mulhouse, France, 28 November - 01 December 2010, pp.27
- XIV. **Benzoin Derivatives as Photoinitiators: Photophysical and Photochemical Properties**  
Sevinç D., Karaca Balta D., Temel İ. G., Arsu N.  
European Symposium of Photopolymer Science, Mulhouse, France, 28 November - 01 December 2010, pp.28
- XV. **Effect of NaCl on Plasmid DNA Presipitation with a Cationic Surfactant in Aqueous Solution**  
Atacı N., Karaca Balta D., Saraç Özkan A., Arısan I.  
Chemical Physics IX , İzmir, Turkey, 14 - 16 October 2010, pp.122

- XVI. **Yeni Bir Poliaromatik Fotobaşlatıcı Olarak 12-(hidroksimetil)-14H-nafto[2,3-b]tiyokzanten-14-on (TX-Am)' un Sentezi, Karakterizasyonu ve Çeşitli Akrilatlar Beraberinde Fotopolimerizasyondaki Etkinliğinin İncelenmesi**  
Dilsiz M., Karaca Balta D., Arsu N.  
Boya Sanayi ve Yardımcı Maddeler Kongre ve Fuarı, Paint, İstanbul, Turkey, 29 June - 02 July 2010
- XVII. **Yeni Bir Fotobaşlatıcı Olan 5-Tiya Pentasen 14-on (TX-A)' un Dimerizasyonu ve Karakterizasyonu**  
Karaca Balta D., Arsu N.  
24. Ulusal Kimya Kongresi , Zonguldak, Turkey, 29 June - 02 July 2010
- XVIII. **Yeni Bir Fotobaşlatıcı Olarak Sentezlenen 14H-fenantro[4,5-abc]tiyokzanten-14-on (TX-Py)' un Çözücüyle Etkileşimlerinin UV ve Floresans Spektroskopisi İle İncelenmesi**  
Sandalcı S., Karaca Balta D., Arsu N.  
24. Ulusal Kimya Kongresi , Zonguldak, Turkey, 29 June - 02 July 2010
- XIX. **Yeni Bir Fotobaşlatıcı Olarak 2-(3-okzobutil)-9H-tiyokzanten-9-on (TX-BA)' un Sentezi, Karakterizasyonu ve Fotopolimerizasyondaki Etkinliğinin İncelenmesi**  
Türk B., Karaca Balta D., Aydın M., Arsu N.  
24. Ulusal Kimya Kongresi , Zonguldak, Turkey, 29 June - 02 July 2010
- XX. **Thioxathone Photoinitiators for (Meth)acrylic Based UV Curable Thermosets**  
Sevinç D., Karasu F., Karaca Balta D., Doğruyol Z., Doğruyol S., Arsu N.  
2nd International Symposium On Thermosets, Antalya, Turkey, 22 - 25 November 2009, pp.28
- XXI. **Synthesis and Characterization of Polymeric One Component Type II Photoinitiator for Water-Borne Curing**  
Akat H., Gacal Özcan B., Karaca Balta D., Arsu N., Yağcı Y.  
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- XXII. **Tiyokzanton Bazlı Görünür Başlatıcıların Sentezi**  
Doğruyol S., Karaca Balta D., Doğruyol Z., Temel İ. G., Arsu N.  
22. Ulusal Kimya Kongresi, Gazimagusa, Cyprus (Kkct), 6 - 10 October 2008, pp.6
- XXIII. **Çesitli Benzofenon ve Tiyokzanton Bazlı Fotobaşlatıcıların Fotofiziksel Özelliklerinin İncelenmesi**  
Ateş S., Alpaslan S., Karaca Balta D., Arsu N.  
22. Ulusal Kimya Kongresi , Gazimagusa, Cyprus (Kkct), 6 - 10 October 2008, pp.174
- XXIV. **Tiyokzanton Türevi Yeni Bir Poliaromatik Fotobaşlatıcının Sentezi ve Fotopolimerizasyondaki Etkinliğinin İncelenmesi**  
Karaca Balta D., Arsu N.  
22. Ulusal Kimya Kongresi , Gazimagusa, Cyprus (Kkct), 6 - 10 October 2008, pp.182
- XXV. **Tiyokzanton Türevi Tiyoasetik Asit ve Sodyum Tuzu Fotobaşlatıcıları Kullanılarak Fotobaşlatılmış Polimerizasyon Yöntemiyle Hidrojellerin Sentezi ve Elde edilen Hidrojellerin Özelliklerinin İncelenmesi**  
Karaca N., Karaca Balta D., Temel İ. G., Arsu N.  
22. Ulusal Kimya Kongresi, Gazimagusa, Cyprus (Kkct), 6 - 10 October 2008, pp.135
- XXVI. **Tiyokzanton Bazlı Tek Bileşenli II. Tip Fotobaşlatıcıların Çözücüyle Etkileşimlerinin Floresans Spektroskopisi ile İncelenmesi**  
Karaca Balta D., Çakmak B., Karasu F., Arsu N.  
22. Ulusal Kimya Kongresi , Gazimagusa, Cyprus (Kkct), 6 - 10 October 2008, pp.72
- XXVII. **UV-Curable Nanocoatings by Type II Photoinitiators**  
Temel İ. G., Karaca Balta D., Arsu N.  
NATO-ASI, New Smart Materials via Metal Mediated Macromolecular Engineering: From Complex to Nano Structures , Antalya, Turkey, 1 - 12 September 2008, pp.56
- XXVIII. **Synthesis and Characterization of Polymeric Thioxanthone Photoinitators via Double Click Reactions**  
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