

## Prof. Meral AYDIN

### Personal Information

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### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Kimya, Turkey 1993 - 2001

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Kimya Mühendisliği, Turkey 1990 - 1992

Undergraduate, Yildiz Technical University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 1985 - 1990

### Dissertations

Doctorate, Değişik Yapıdaki İzosiyanat Aktivatörleri ile Naylon-6 Döküm Polimerlerinin Hazırlanması ve Mekanik Özelliklerinin Belirlenmesi, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Kimya, 2001

Postgraduate, Toluen-2,4-Diizosiyanat ile Dihidroperoksi ve Dioller arasındaki Reaksiyonların ve Kinetiklerinin İncelenmesi, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Kimya Mühendisliği, 1992

### Research Areas

Chemistry, Physical Chemistry, Characterization of Polymers, Polymeric Materials, Natural Sciences

### Academic Titles / Tasks

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

### Academic and Administrative Experience

#### Courses

Endüstriyel polimerler ve uygulamalar, Undergraduate, 2021 - 2022

Uzmanlık alan dersi, Postgraduate, 2021 - 2022

Physical Chemistry 1, Undergraduate, 2021 - 2022, 2018 - 2019

Uzmanlık Alan Dersi (YL), Postgraduate, 2020 - 2021

Endüstriyel Polimerler ve Uygulamaları, Undergraduate, 2020 - 2021

YL Tezi, Postgraduate, 2020 - 2021

Genel Kimya, Undergraduate, 2020 - 2021

## Advising Theses

- Aydın M., Tiyokzanton Morfolinin Tek Bileşenli Fotobaşlatıcı Olarak Sentezi ve Karakterizasyonu, Postgraduate, U.KOTAN(Student), 2024
- Aydın M., Yeni Bir Tiyokzanton Karboksilik Asit Türevinin Sentezi, Karakterizasyonu ve Fotobaşlatma Etkinliğinin İncelenmesi, Postgraduate, M.SUBAŞIOĞLU(Student), 2023
- Aydın M., Yeni Bir Görünür Bölge Fotobaşlatıcısının Sentezi ve Fotobaşlatma Etkinliğinin İncelenmesi, Postgraduate, S.BÜYÜKDURMUŞ(Student), 2023
- Aydın M., Fotobaşlatıcı Sentezi Ve Karakterizasyonu, Postgraduate, A.GÜRTUNA(Student), 2017
- Aydın M., 'N,N-Dietanolamin Bağlı Benzofenon Türevi Tek Bileşenli Fotobaşlatıcı Sentezi, Karakterizasyonu, ve Fotopolimerizasyonu', Postgraduate, B.ENGİNOL(Student), 2016
- Aydın M., '4-[Fenil (2,4,6-Trimetilbenzoil) Fosforil] -9H-Tiyokzanten-9-On Başlatıcısının Sentezi ve Fotopolimerizasyondaki Etkinliğinin İncelenmesi', Postgraduate, A.MUTLU(Student), 2016
- Aydın M., '1- Metoksi-2-Karboksimetoksitiyoksanton Fotobaşlatıcısının Fotofiziksel Özelliklerinin İncelenmesi', Postgraduate, S.UZAŞÇI(Student), 2016
- Aydın M., 'Kinoksalin Türevlerinin ve Tiyokzanton İçeren Polistiren Makrofotobaşlatıcısı Beraberinde Nanokaplamaların Hazırlanması', Postgraduate, G.ÖZBAY(Student), 2016

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

- I. **Photochemical synthesis of bimetallic gold/silver nanoparticles in polymer matrix with tunable absorption properties: Superior photocatalytic activity for degradation of methylene blue**  
Kazancıoğlu E., AYDIN M., ARSU N.  
MATERIALS CHEMISTRY AND PHYSICS, vol.269, 2021 (SCI-Expanded)
- II. **Photochemical synthesis of nanocomposite thin films containing silver and gold nanoparticles with 2-thioxanthone thioacetic acid-dioxide and their role in photocatalytic degradation of methylene blue**  
Kazancıoğlu E. O., AYDIN M., ARSU N.  
SURFACES AND INTERFACES, vol.22, 2021 (SCI-Expanded)
- III. **"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)
- IV. **Preparation of nanocoatings in the presence of precipitated CaCO<sub>3</sub> fillers by UV-curing**  
Izgin O., AYDIN M., ARSU N.  
PROGRESS IN ORGANIC COATINGS, vol.76, no.6, pp.950-954, 2013 (SCI-Expanded)
- V. **Panchromatic Type II Photoinitiator for Free Radical Polymerization Based on Thioxanthone Derivative**  
Tar H., Esen D. S., AYDIN M., Ley C., ARSU N., Allonas X.  
MACROMOLECULES, vol.46, no.9, pp.3266-3272, 2013 (SCI-Expanded)
- VI. **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-Expanded)
- VII. **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)

- VIII. **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)
- IX. **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)
- X. **Study of the Polymerization of Methyl Methacrylate Initiated by Thioxanthone Derivatives: A Magnetic Field Effect**  
KESKIN S., AYDIN M., KHUDYAKOV I., ARSU N.  
TURKISH JOURNAL OF CHEMISTRY, vol.33, no.2, pp.201-207, 2009 (SCI-Expanded)
- XI. **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)
- XII. **Photoinitiated free radical polymerization of methylmethacrylate by using of quinoxalines in the presence of aldehydes**  
Aydin M., Arsu N.  
PROGRESS IN ORGANIC COATINGS, vol.56, no.4, pp.338-342, 2006 (SCI-Expanded)
- XIII. **Mechanistic study of photoinitiated free radical polymerization using thioxanthone thioacetic acid as one-component type II photoinitiator**  
Aydin M., ARSU N., YAGCI Y., JOCKUSCH S., TURRO N.  
MACROMOLECULES, vol.38, no.10, pp.4133-4138, 2005 (SCI-Expanded)
- XIV. **A small-molecule organic semiconductor**  
YAKUPHANOGLU F., AYDIN M., Arsu N., SEKERCİ M.  
SEMICONDUCTORS, vol.38, no.4, pp.468-471, 2004 (SCI-Expanded)
- XV. **One-component bimolecular photoinitiating systems, 2 - Thioxanthone acetic acid derivatives as photoinitiators for free radical polymerization**  
AYDIN M., Arsu N., YAGCI Y.  
MACROMOLECULAR RAPID COMMUNICATIONS, vol.24, no.12, pp.718-723, 2003 (SCI-Expanded)
- XVI. **Photoinitiated polymerization of methyl methacrylate by phenacyl type salts**  
KASAPOGLU F., AYDIN M., Arsu N., YAGCI Y.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.159, no.2, pp.151-159, 2003 (SCI-Expanded)
- XVII. **erythro-2-Morpholino-1,2-diphenylethanol**  
KARADAYI N., KAZAK C., OZTURK S., AYDIN M., Arsu N., FUN H., BUYUKGUNGOR O.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.58, 2002 (SCI-Expanded)
- XVIII. **The effect of a cationic salt on the photoinitiated polymerization of methyl methacrylate**  
Arsu N., AYDIN M.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.127, pp.143-145, 1999 (SCI-Expanded)
- XIX. **Photoinduced free radical polymerization initiated with quinoxalines**  
Arsu N., Aydin M.  
ANGEWANDTE MAKROMOLEKULARE CHEMIE, vol.270, pp.1-4, 1999 (SCI-Expanded)
- XX. **The effect of amines on the polymerization of methyl methacrylate**  
Arsu N., Aydin M.  
ANGEWANDTE MAKROMOLEKULARE CHEMIE, vol.266, pp.70-74, 1999 (SCI-Expanded)

## Books & Book Chapters

- I. **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
- 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. **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
- IV. **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
- V. **One component thioxanthone based Type II photoinitiators**  
Arsu N., Aydın M., Yağcı Y., Jockusch S., Turro N. J.  
in: Photochemistry and UV Curing: New Trends, J. P. Fouassier, Editor, Research Signpost, Thiruvananthapuram, pp.17-29, 2006

## Refereed Congress / Symposium Publications in Proceedings

- I. **Metalik ve Metalik/Grafen Oksit Nanoparçacıkları İçeren Polimerik Nanokompozitlerin Sensör Özelliklerinin İncelenmesi**  
Metin E., Aydın M., Aydın Yüksel S., Arsu N.  
IX. Polymer Science and Technology Congress with International Participation (Polimer 2024), Ankara, Turkey, 16 - 18 September 2024, pp.125
- II. **Recent Developments in In-Situ Photochemically Prepared Nanocomposites**  
Arsu N., Özçelik Kazancıoğlu E., Batıbay G. S., Kırtay H., Dizman H. M., Metin E., Mutlu S., Aydın M.  
Satellite International Conference on Advanced Imaging 2023, Chiba, Japan, 23 June 2023, pp.21
- III. **YENİ BİR TİYOKZANTON TÜREVİNİN SENTEZİ, KARAKTERİZASYONU VE FOTOBAŞLATMA ETKİNLİĞİNİN İNCELENMESİ**  
Kotan U., Özçelik Kazancıoğlu E., Aydın M., Arsu N.  
8. ULUSLARARASI AKADEMİK ÖĞRENCİ ÇALISMALARI KONGRESİ, 26 May 2023, pp.482
- IV. **YENİ BİR TİYOKZANTON KARBOKSİLİK ASİT TÜREVİNİN SENTEZİ, KARAKTERİZASYONU VE FOTOBAŞLATMA ETKİNLİĞİNİN İNCELENMESİ**  
Subaşıoğlu M., Batıbay G. S., Özçelik Kazancıoğlu E., Dizman H. M., Aydın M., Arsu N.  
International Marmara Sciences Congress (IMASCON'22), 13 - 14 May 2022, pp.33
- V. **Synthesis of a Novel Visible Light Photoinitiator and Investigation of Photoinitiation Efficiency**  
Buyukdurmus S., Batıbay G. S., Özçelik Kazancıoğlu E., Aydın M., Arsu N.  
paintistanbul & Turkcoat 2021 Virtual Congress on Organic Coatings, Polymers and Related Materials, 8 - 09 December 2021, pp.51
- VI. **A facile method for in situ preparation of polymer nanocomposites containing metal, metal oxide**

## **and POSS nanoparticles**

Özçelik Kazancıoğlu E., Batbay G. S., Mutlu S., Metin E., Dizman H. M., Aydın M., Kirtay H., Arsu N.  
paintistanbul & Turkcoat 2021 Virtual Congress on Organic Coatings, Polymers and Related Materials, 8 - 09  
December 2021, pp.16

- VII. **Photochemical Synthesis and Potential Applications of Nanomaterials and Nanocomposites**  
Özçelik Kazancıoğlu E., Batbay G. S., Mutlu S., Metin E., Dizman H. M., Aydın M., Kirtay H., Arsu N.  
Virtual European Symposium of Photopolymer Sciences (ESPS 2021), 15 - 17 June 2021, pp.0-1
- VIII. **Photochemical Synthesis of Silver and Gold Nanoparticles with 2-Thioxanthone Thioacetic Acid Dioxide**  
ÖZÇELİK E., AYDIN M., ARSU N.  
Italian-Nordic Polymer Future Workshop, 14 - 15 September 2017
- IX. **'The Synthesis of 2[(ethylamino)methyl]-9H-Thioxanthen-9-One Photoinitiator and Investigation of Efficiency of Photoinitiator in The Photopolymerization'**  
Aydın M., Arsu N.  
3rd International Turkic World Conference on Chemical Science and Technologies (ITWCCST 2017), Baku, Azerbaijan, 10 - 13 September 2017
- X. **Studies of the Binding Mode Acetic Acid Derivative of Thioxanthone – Thioacetic Acid – Dioxide with Calf Thymus DNA by Spectroscopic Methods**  
Tuğla A., Özçelik E., Atacı N., Aydın M., Arsu N.  
4th European Symposium of Photopolymer Science (ESPS), Leipzig, Germany, 11 September 2016, pp.35
- XI. **Acetic Acid Derivative of Thioxanthone Dioxide**  
Arsu N., Aydın M., Tuğla A., Özçelik E.  
4th European Symposium of Photopolymer Science, Leipzig, Germany, 11 - 14 September 2016
- XII. **Thioacetic Acid Derivative of Thioxanthone – Dioxide**  
Özçelik E., Tuğla A., Aydın M., Arsu N.  
4th European Symposium of Photopolymer Science (ESPS), Leipzig, Germany, 11 September 2016, pp.2
- XIII. **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
- XIV. **Synthesis of Thioxanthone Based Water Soluble Copolymeric Macrophotoinitiator and Its Use in Photoinduced Free Radical Polymerization**  
AYDIN M., ÖCAL SUNGURUĞLU Z. N., ARSU N.  
INTERNATIONAL TURKIC WORLD CONFERENCE ON CHEMICAL SCIENCES AND TECHNOLOGIES, 27 October - 01 November 2015, pp.206
- XV. **Synthesis and Photophysical Properties of A New Lucanone Derivative**  
Aydın M., Arsu N.  
IUPAC International Symposium on Ionic Polymerization, Bordeaux, France, 5 - 10 July 2015, pp.118
- XVI. **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
- XVII. **2-Amino-2-(9-Okso-9H-Tiyoksanten-2-il) Asetik Asit Tek Bileşenli Fotobaşlatıcı Sentezi ve Fotopolimerizasyondaki Etkinliğinin İncelenmesi**  
Aydın M., Arsu N.  
24. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010
- XVIII. **Benzofenon Türevli Fotobaşlatıcıların Sentezi ve Fotopolimerizasyonunun İncelenmesi**  
Temel G., Aydın M., Arsu N.  
22. Ulusal Kimya Kongresi, Gazimagusa, Cyprus (Kktc), 6 - 10 October 2008
- XIX. **The Synthesis of 9- Oxo-9H-Thioxanthen-2-Ylamino-Acetic Acid Photoinitiator and Investigation of Efficiency of Photoinitiator in the Photopolymerization**  
Aydın M., Arsu N.

8th Austrian Polymer Meeting, Linz, Austria, 20 - 22 September 2006, pp.27

- XX. **Free Radical Polymerization of  $\beta$ -Cyclodextrin Complexes of Methyl Methacrylate in the Presence of Novel Water Soluble Thioxanthone Based Photoinitiators**  
Karaca Balta D., Aydın M., Doğruyol S., Arsu N.  
9th Eurasia Conference on Chemical Sciences, Antalya, Turkey, 9 - 13 September 2006, pp.225
- XXI. **Investigation of Kinetics of Polymerization of Mono and Multifunctional Acrylates Initiated by Thioxanthone Based Phenoxyacetic Acid Derivatives**  
Karasu F., Aydın M., Doğruyol S., Arsu N.  
9th Eurasia Conference on Chemical Sciences, Antalya, Turkey, 9 - 13 September 2006, pp.222
- XXII. **Investigation of Kinetics of Polymerization of Different Type of Acrylates Initiated by of 9-Oxo-9H-Thioxanthan-2-Ylamino-Acetic Acid**  
Aydın M., Karasu F., Karaca Balta D., Arsu N.  
9th Eurasia Conference on Chemical Sciences , Antalya, Turkey, 9 - 13 September 2006, pp.224
- XXIII. **The Investigation of Photophysical Properties and Photokinetics of Novel Thioxanthone Based Photoinitiators**  
Karaca Balta D., Karasu F., Aydın M., Arsu N.  
6th International Paint, Varnish, Ink & Auxiliary Products IndustryCongress& Exhibition Presentations, İstanbul, Turkey, 17 - 19 May 2006, pp.62-68
- XXIV. **The Synthesis of 2 Hydroxy 1 2 Dihydro 7 Thia Cyclopenta De Naphthacen 12 One as a Photoinitiator and Investigation of Efficiency of Photoinitiator in the Photopolymerization**  
KURT M., TUG K., KARASU KILIÇ F., AYDIN M., ARSU N.  
XIX. Ulusal Kimya Kongresi, Aydın, Turkey, 30 September - 04 October 2005
- XXV. **The Water Soluble Polymerization Initiators Based on The Thioxanthone Derivatives**  
Torlak O., Koçdemir M., Karaca Balta D., Aydın M., Arsu N.  
XIX. Ulusal Kimya Kongresi , İzmir, Turkey, 30 September - 04 October 2005, pp.873
- XXVI. **The Synthesis of Water Soluble Initiators Based on The Thioxanthone Acetic Acid Derivatives and Their Use For The Polymerizations of Acrylamide**  
Karaca Balta D., Aydın M., Arsu N.  
APME-6 International Symposium on Advanced Polymers via Macromolecular Engineering, İstanbul, Turkey, 15 - 18 August 2005, pp.100
- XXVII. **Using of Thioxanthone-Tioaceticacid and Thioxanthone-Phenoxyaceticacid as Photoinitiator in Various UV-Curable Formulations**  
Karasu F., Aydın M., Kaya M. A., Arsu N., Yağcı Y.  
ICFA(International Conference on Functional Acrylates, İstanbul, Turkey, 31 August - 04 September 2004, pp.30
- XXVIII. **UV-Curable Adhesives**  
Aydın M., Arsu N.  
ICFA ( International Conference on Functional Acrylates), İstanbul, Turkey, 31 August - 04 September 2004, pp.36
- XXIX. **Synthesis of Novel Thioxanthone Based Photoinitiators and Their Role in Photopolymerization**  
Aydın M., Karaca Balta D., Arsu N., Yağcı Y.  
ICFA (International Conference on Functional Acrylates), İstanbul, Turkey, 31 August - 04 September 2004, pp.30
- XXX. **Fotobaşlatılmış Serbest Radikal Polimerizasyonunda Fotobaşlatıcı ve Manyetik Alan Etkisinin İncelenmesi**  
Doğruyol S., Aydın M., Arsu N.  
XVIII. Ulusal Kimya Kongresi, Kars, Turkey, 5 - 09 July 2004, pp.1164
- XXXI. **Tiyozanton Türevlerinin Varlığında Metilmetakrilatın Fotobaşlatılmış Serbest Radikal Polimerizasyonunun Manyetik Alan Etkisi Altında İncelenmesi**  
Doğruyol S., Aydın M., Arsu N.  
XVII. Ulusal Kimya Kongresi, İstanbul, Turkey, 8 - 11 September 2003, pp.708
- XXXII. **Yeni Bir Fotobaşlatıcı Olarak 4-Merkapto-1-metoksi-tiyokzanton'un Sentezi**  
Paralı T., Aydın M., Arsu N.  
XVII. Ulusal Kimya Kongresi, İstanbul, Turkey, 8 - 11 September 2003, pp.736

- XXXIII. **The Synthesis of Amine Linked Thioxanthenes and Using of Them as Photoinitiator In UV-Curing Applications**  
Aydın M., Arsu N.  
39th IUPAC Congress, Ottawa, Canada, 10 - 15 August 2003, pp.176
- XXXIV. **The Synthesis of Amine-Linked Thioxanthenes and Using of Them as Photoinitiator In UV-Curing Applications**  
Aydın M., Arsu N.  
39th IUPAC Congress, Ottawa, Canada, 10 - 15 August 2003, pp.176
- XXXV. **Bisdietilaminokumarinin Yarı İletkenlik Özellikleri**  
Yakuphanoğlu F., Aydın M., Arsu N.  
5th International Conference on Chemical Physics, İstanbul, Turkey, 31 October - 01 November 2002, pp.10
- XXXVI. **2-Mercaptothioxanthone As a Novel Photoinitiator for Free Radical Polymerization and Photophysical Properties**  
Aydın M., Arsu N., Yağcı Y., Jockusch S., Turro N. J.  
5th International Conference on Chemical Physics, İstanbul, Turkey, 31 October - 01 November 2002
- XXXVII. **Bisdietilaminokumarinin Aminler Varlığındaki Fotobaşlatılmış Polimerizasyonu**  
Karaca Balta D., Karasu F., Aydın M., Arsu N.  
XVI. Ulusal Kimya Kongresi , Konya, Turkey, 10 - 13 September 2002, pp.873
- XXXVIII. **The Effect of Cationic Salt on The Photoinitiated Polymerisation of Methyl Methacrylate Using Benzophenone and Thiophenoxyacetic Acid**  
Arsu N., Aydın M., Davidson S.  
36 th IUPAC Congress, Geneve, Switzerland, 17 - 22 August 1997, pp.415
- XXXIX. **The Photoinduced Radical Polymerization of Quinoxalines**  
Arsu N., Aydın M., Davidson S.  
36th IUPAC Congress, Geneve, Switzerland, 17 - 22 August 1997, pp.415

## Supported Projects

AYDIN M., ARSU N., Metin E., Project Supported by Higher Education Institutions, Sensör Uygulamalarına Yönelik Nanokompozit Malzemelerin Fotokimyasal Yöntemle Hazırlanması ve Karakterizasyonu, 2023 - Continues

ARSU N., Batbay G. S., AYDIN M., Project Supported by Higher Education Institutions, Radar Absorplayıcı Nanokompozit Malzemelerin Fotokimyasal Yöntemle Hazırlanması ve Karakterizasyonu, 2022 - Continues

AYDIN M., ARSU N., Güler N., Project Supported by Higher Education Institutions, Fotoaktif Sinamik Asit içeren Makrofotobaşlatıcı Sentezi ve Karakterizasyonu, 2022 - 2024

KOCAOBA S., ARSU N., AYDIN M., Kırtay H., Öztürk M., Project Supported by Higher Education Institutions, Çözeltilde ve polimer matrikste insitu fotokimyasal işleme hazırlanan metal nano parçacıkların bazı ağır metallerin adsorpsiyonunun incelenmesi, 2018 - 2021

AYDIN M., Project Supported by Higher Education Institutions, Nanokaplamalar, 2012 - 2015

Aydın M., Arsu N., Doğruyol S., Öcal N., Sevinç Esen D., Karaca N., Project Supported by Higher Education Institutions, Tiyokzanton Bazlı Suda Çözünür Makrofotobaşlatıcı Sentezi ve Fotobaşlatılmış Polimerizasyon Yöntemi İle Makrofotobaşlatıcı Beraberinde Hidrojellerin Hazırlanması, 2010 - 2013

Aydın M., Karaca Balta D., Temel İ. G., Project Supported by Higher Education Institutions, Fotobaşlatıcı Sentezi ve Fotofiziksel ve Fotokimyasal Özelliklerinin İncelenmesi, 2008 - 2011

AYDIN M., KARACA BALTA D., DOĞRUYOL S., YÜKSELİCİ M. H., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Fotokırıcı polimerlerde holografik bilgi depolama teknolojisini geliştirilmesi, 2006 - 2010

AYDIN M., Project Supported by Higher Education Institutions, Benzofenon türevlerinin sentezi ve fotopolimerizasyonunun incelenmesi, 2004 - 2007

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