

CURRICULUM VITAE

Professor Dr Turan Ozturk

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Academic Career

2003 Professor, Istanbul Technical University, Istanbul, Turkey

1994 Associate Professor, Middle East Technical University

1987-1990 PhD in organic chemistry with Prof. A. McKillop.
University of East Anglia, School of Chemical Sciences, Norwich NR4 7TJ, England.
Title of Thesis: "Synthetic Studies on Cytotoxic Alkaloids"
Financial Source: Turkish Government Scholarship
During the course of PhD study, a short new route to the pyrido[2,3-*k*]acridine ring system, the main skeleton of cytotoxic marine alkaloids such as amphimedine, calliactine, cystodytins, petrosamine, diplamine, norsegoline, kuanoniamine, etc. was developed involving two key steps (i) synthesis of 5-acetamido-3,4-dihydro-8-methoxy-4-phenylquinoline-2(*1H*)-one via cyclisation of *N*-(5-acetamido-2-methoxyphenyl)-3-hydroxy-3-phenylpropanamide and (ii) an intramolecular nitrene insertion reaction of the nitrenes derived from 4-phenyl-5-azidoquinolines.

1984-1986 MSc in Organic Chemistry.
Istanbul Technical University, Chemistry Department, Organic Chemistry, Istanbul, Turkey.
Title of Thesis: "Modification of Cyclohexanone Formaldehyde Resin".

1978-1983 BSc in Chemistry, Middle East Technical University, Chemistry Department, Ankara, Turkey

Employment

Sept. 2003- Professor, Istanbul Technical University, Science Faculty, Chemistry Department, Organic Chemistry, Istanbul, Turkey

April-2003-Sept. 2003 Lecturer, Middle East Technical University, Art and Science Faculty, Chemistry Department, Organic Chemistry, Ankara, Turkey

April 1996-June 2002 Head of Organic Technologies Division, Scientific and Technical Research Council of Turkey-Marmara Research Centre, Chemistry Department, Gebze-Kocali, Turkey

During my employment at Marmara Research Centre, I directed a PhD and two MSc studies. The PhD study and one of the MSc studies were on the synthesis of new BEDT-TTF analogues, employing 1,8-diketone ring closure reaction, and the other MSc study was, in cooperation with Kiev Shevcheuko University,

Ukraine, on "Design and Synthesis of New Florescence Probes based on 3-Hydroxyflavones". My other duties involved various analyses and industries' problem-solving, particularly pharmaceutical industries.

April 1994-
March 1996

Visiting Research Fellow, University of Kent at Canterbury,
Chemical Laboratory, Canterbury Kent CT2 7NH, England.

During the course of my visiting research fellowship, I wrote a chapter for *The Alkaloids* entitled "Alkaloids Containing Quinolinequinone and Quinolinequinoneimine Units", *The Alkaloids*, Ed. Cordell, Academic Press, San Diego, **1997**, Vol. 49, Chapter 2, page 79-219. (A second chapter entitled "Alkaloids Containing An Isoquinolinequinone Unit" for the same series has been published recently, *The Alkaloids*, Ed. Cordell, Academic Press, San Diego, **2000**, 119-238). I also carried out my own projects. One of them resulted in the development of a new reaction of Lawesson's Reagent with 1,8-diketones, *Tetrahedron Lett.* **1996**, 37, 2821.

During the postdoctoral posts, I gave assistance to the PhD students and supervised undergraduate project students .

April 1991-
April 1994

Research Fellow with Dr J. D. Wallis, University of Kent at
Canterbury Chemical Laboratory, Canterbury, Kent CT2 7NH, England
Title of the Study:"The Synthesis and Properties of New Organic
Superconductors".

Financial Source: The SERC Molecular Electronics Committee and 21st
Century Materials Initiative, England.

The purpose of the study was to develop new crystalline organic substances which superconduct at significantly higher temperatures than the currently known organic superconductors (i.e.>12.8 K). The best materials to date are radical cation salts of bis(ethylenedithio)tetrathiafulvalene ('BEDT-TTF' or 'ET'). The aim of the research was to make derivatives of ET (or similar heterocyclic systems) with functional groups on ethylene bridges which can hydrogen bond or make other attractive interactions with the anions in the salt. Important parts of the study involved the introduction of the desired chirality on the ethylene bridges, and either self or cross-coupling of the asymmetric ketones or thiones.

1984-1986

Research Assistant, Demonstrator, Istanbul Technical University, Chemistry
Dep. Organic Chemistry, Maslak Istanbul, Turkey

Scholarships and Awards

1975-1977

Turkish Maritime Scholarship for High School Education

1987-1990

Turkish Government Scholarship for PhD, Univ. of East Anglia,
Norwich, UK

1991-1994

Postdoctoral Fellowship, 21st Century Material Initiative, Univ. of Kent,
Canterbury, UK

1994-1996

Visiting Research Fellowship, Univ. of Kent, Canterbury, UK

1997

British Council Research Fellowship, Univ. of Kent, Canterbury, UK

1997-1999

NATO Research Fellowship, Univ. of Kent, Canterbury, UK

1999

Honorary Lecturer, Univ. of Kent, Canterbury, UK

2000-2001

Senior Research Fellow, University of Waterloo, Canada

2005

Visiting Professor, Royal Society of Chemistry, Univ. of Durham, UK

Member of Editorial Board of Journal of Sulfur Chemistry starting from 01-01-2013

Referee

J. Organic Chemistry, Organic Letters, Tetrahedron Letters, Synlett, J. Heterocyclic Chem., J. Natural Products, Current Organic Synthesis, Letters in Organic Chemistry, Polymer International, Polymer Bulletin, Turkish Journal of Chemistry, Arcivoc, J. Sulfur Chemistry, Molecules, Phosphorus, Sulfur, and Silicon and the Related Elements, Designed Monomers and Polymers

Research Interest

Research interests focused on the development of new organic materials having electronic and optical properties, containing tetrathiafulvalene (TTF), dithienothiophene (DTT), thienothiophene (TT), ethylenedioxythiophene (EDOT), as well as development of new organic reactions particularly the new reactions of Lawesson's reagent and P₄S₁₀. Design and syntheses of fluorescent probes, containing 3-hydroxyflavone.

Former MSc and PhD Students

1. 1999 Andrey Klymchenko, MSc, Co-advisor, Kiev Taras Shevchenko University, "Design of Fluorescent Probes Based on 3-Hydroxyflavone: Development of the Chromophobic System and New Transmembrane Potential Probes."
2. 2002 Erdal Ertaş, MSc, Co-advisor, Marmara University, "Synthesis of Conducting Polymers based on Thieno[3,4-*b*][1,4]dithiin".
3. 2004 Figen Türksoy, PhD, ITU, "Synthesis of New Conductors Based on 1,4-Dithiin ve Thiophene".
4. 2005 Bahar Taşan, MSc, ITU, "Synthesis and Investigation of Properties of Fluorescent Probes Based on 4-Dibutylamino-3-Hydroxyflavone"
5. 2005 Simay Çıkrıkçı, MSc, ITU, "Synthesis and Investigation of Properties of Fluorescent Probes Based on 4-Dioctylamino-3-Hidroxyflavone"
6. 2005 Şule Taşkiran, MSc, ITU, "Synthesis and Investigation of Properties of Fluorescent Probes Based on 4-Didodecylamino-3-Hydroxyflavone"
7. 2006 Erdal Ertaş, PhD, Co-advisor, Marmara University, "Preparation and Investigation of Properties of Ditenothiophene Type Heterocyclic Compounds"
8. 2007 Engin Aytaç Aydın, ITU, MSc, "BEDT-TTF Temelli Yeni Organik Süperiletkenlerin Sentezleri ve Özelliklerinin İncelenmesi"
9. 2007 Oguz Turan, ITU, MSc, "Nitrofenil-BEDT-TTF Temelli Yeni Organik Süperiletkenlerin Sentezleri ve Özelliklerinin İncelenmesi"
10. 2007 Aslı Çapan, İTÜ, MSc, 3-Hidroksiflavon Türevlerinin Sentezi ve Mikroheterojenik Sistemlerle Etkileşimlerinin Floresans Spektroskopi Yöntemi ile İncelenmesi"
11. 2008 Ali Senol Gundogan, ITU, MSc, "3,5-Difenil Ditiyeno[3,2-*b*;2',3'-*d*]tiyofen-S,S-dioksit Bileşiğinin ve Kopolimerlerinin Sentezi ve Özelliklerinin İncelenmesi"
12. 2009 İpek Ösken, İÜ, MSc (Co-advisor) "Elektrokromik 3,5-bis(4-bromophenyl)dithieno[2,3-*d*:3',2'-*b*]thiophene 4,4-dioxide sentezi, fluoren kopolimerleri ve özelliklerinin incelenmesi"
13. 2009 Onur Şahin, İTÜ, MSc, "Ditiyenyotiyoferin Temelli Optoelektroaktif Materyallerin Hazırlanması ve Özelliklerinin İncelenmesi"
14. 2011 Öznur Suçsoran, İTÜ, MSc "Ditiyenyotiyoferin Temelli Optoelektroaktif Materyallerin Sentezlenmesi"
15. 2011 Hakan Bildirir, İTÜ, MSc "Kükürtçe zengin organik materyallerin sentezleri ve özelliklerinin incelenmesi (tetratiyafülvalen, vinilenditiyotiyoferin ve ditiyenyotiyoferin türevleri"

Current MSc and PhD Students

1. 2011-Cont. Suzan Başlılar, MSc (1987)
2. 2011-Cont. Neslin Naldöğen, MSc (1987)
3. 2012-Cont. Ali Buyruk, MSc (1988)
4. 2012-Cont. Mevsim Özdemir, MSc (1988)
5. 2007-Cont. Simay Çıkrıkçı, PhD (1981)
6. 2007-Cont. Sule Taşkıran, PhD (1981)
7. 2008-Cont. Aslı Çapan, PhD (1983)
8. 2010-Cont. Onur Sahin, PhD (1984)
9. 2010-Cont. Taner Gökçen, PhD (1980)
10. 2010-Cont. İpek Osken, PhD (1978)
11. 2010-Cont. Burcu Çuhaoglu, PhD (1984)
12. 2011-Cont. Seda D. Hatipoğlu, PhD (1985)

Post Docs.

1. 2012-2013. Emin Çınar, Post. Doc. (1979)
2. 2012-2014. Gülşen Türkoğlu, Post. Doc. (1980)

Projects

- 1- NATO Research Project, Univ. of Kent, Canterbury, Director, UK, 1997-1999
- 2- TBAG-2156(102T056), Tubitak Project (25 Milyar), Director, 2001-2004.
- 3- TBAG-2378 (103T122), Tubitak Project (26.5 milyar), Director, 2002-2004.
- 4- İTÜ Science Research Project (40 milyar), Director, 2004-2006.
- 5- TBAG-2470 (104T081), Tubitak Project (35 milyar), Researcher, 2004-2006.
- 6- TÜBİTAK-UME Akaryakıtları Marker Projesi, Advisor, 2004- cont.
- 7- İTÜ-Durham University, Royal Society, Director, 2005.
- 8-Yıldız Üniversitesi, DPT Şemsiye Projesi, İTÜ Director, 2004-2006.
- 9- İTÜ-TÜBİTAK MAM GIDA, TUBİTAK TBAG 1001, Researcher, 2007-2009
- 10- İTÜ-TÜBİTAK MAM GIDA, TÜBİTAK 1007, Researcher, 2008-2010.
- 11- "Fosfor ve Sülfür İçeren Heterosiklik Ünitelere Sahip Çok Yönlü Pi-Konjuge Materyallerin Sentezleri ve Elektronik ve Optoelektronik Özelliklerinin İncelenmesi", TÜBİTAK-France (CNRS) 108T941, (120.000 TL), Director, 2009-May 2011
- 12- "Elektronik, Optoelektronik ve Sensör Uygulamaları için Donör (DTT)-Akseptöe (Bor) (D-A) İçeren Yeni Organik Materyallerin Sentezleri ve Özelliklerinin İncelenmesi", Director, (137.500.-TL) TÜBİTAK-TBAG, 111T075, 2011-2013
- 13- "HNIW Malzemesinin Sentezi ve Karakterizasyonu", Director, Santez 01232.STZ.2012-1 (637.000.-TL)
- 14- "Topaklanmaya Bağlı Işıma (Aggregation Induced Emission) Uygulanarak Tiyenotiyofen, Ditiyenotiyofen ve Bor İçeren Organik Işık Yayan Materyallerin Hazırlanması", Director, 175.000.- TL, TÜBİTAK, 114Z202, 01.10.2014-01.10.2016
- 15- "Küçük Molekül Donörler ve Plimerik Akseptörler İçeren Güneş Hücreleri", Director, TÜBİTAK-İngiltere (British Council), 214Z297, 232.800.-TL, 15.07.2015-15.07.2017

Leisure Time Activities

My leisure time is concerned principally with photography, reading, jogging and listening to music

PUBLICATIONS

- 1 - "Synthesis of Furyl-2-alkyl carbinol", U. Oyman and **T. Ozturk**, *Bulletin of the Technical University of Istanbul*, **1985**, 38, 309.
- 2 - "Modification of Cyclohexanone-Formaldehyde Resin", A. Akar and **T. Ozturk**, *Angewandte Makromolekulare Chemie*, **1988**, 156, 49.
- 3 - "Photoirradiation of 1-Phenylcyclopentadecene-1", K. Gunaydin and **T. Ozturk**, *Revue Roumaine de Chimie*, **1988**, 33, 177.
- 4 - "Copolymer of Cyclohexanone-Formaldehyde Resin and Polystyrene", A. Akar, A. Acuner, G. Hizal and **T. Ozturk**, *Angewandte Makromolekulare Chemie*, **1989**, 168, 129.
- 5 - "A Short New Rout to the Pyrido[2,3,4-*kl*]acridine Subunit Common to Pyridoacridine Alkaloids of Marine Origin", N. M. Ali, S. K. Chattopodhyay, A. McKillop, R. M. Perret-Gentil, **T. Ozturk** and R. A. Rebelo, *J. Chem. Soc., Chem. Commun.*, **1992**, 1453.
- 6 - "Short Intermolecular S...S Contacts in a Reaction Product from the Cyclic Sulfate Ester of Dimethyl *L*-Tartrate and 2-Thioxo-1,3-dithiole-4,5-dithiolate", **T. Ozturk**, D. C. Povey and J. D. Wallis, *Tetrahedron*, **1994**, 50, 11205.
- 7 - "Synthesis of A Chiral Mono-substituted Derivative of Bis(ethylenedithio)tetrathiafulvalene: The Reaction of the Cyclic Sulfate Ester of *R,R*-1,4-Difluorobutane-2,3-diol with 2-Thioxo-1,3-dithiole-4,5-dithiolate", **T. Ozturk**, C. R. Rice, and J. D. Wallis, *J. Materials Chem.*, **1995**, 5, 1553.
- 8 - "An Unusual Reaction of Lawesson's Reagent with 1,8-Diketones: A Synthesis of Fused 1,4-Dithiins and Thiophenes", **T. Ozturk**, *Tetrahedron Lett.*, **1996**, 37, 2821.
- 9 - "6-(4-Methoxyphenyl)thieno[2,3-*d*][1,3]-dithiole-2-thione at 150 K", **T. Ozturk** and J. D. Wallis, *Acta Crystallographica*, **1996**, C52, 2552.
- 10 - "Heterocyclic Cations with Delocalised Pi-Systems and Short Intramolecular S...S Contacts: The Structure of Two Derivatives of the 2-(1,3-Dithiol-2-ylidenemethyl)-1,3-dithiolium Cation", **T. Ozturk**, D. C. Povey and J. D. Wallis, *Phosphorus and Sulfur*, **1997**, 122, 313.
- 11 - "New Precursors for preparing Organic Conducting Materials: The Synthesis of Chiral Hydroxymethyl-Bis(ethylenedithio)tetrathiafulvalene and the Expansion of a Cyclic Sulfate Ester", F. Leurguin, **T. Ozturk**, M. Pilkington and J. D. Wallis, *J. C. S. Perkin Trans. I.*, **1997**, 3173.
- 12 - "New Substrates for the Preparation of Electroactive Materials: The syntheses of Chiral Terathiafulvalene Derivatives with Hydroxy-functionalised Butane-1,4-dithio Bridges", G. A. Horley, **T. Ozturk**, F. Turksoy, J. D. Wallis, *J. Chem. Soc., Perkin I*, **1998**, 3225.
- 13 - "Intramolecular interactions in Ethyl bis-(2,4-dinitrophenyl)acetate", E. Ertas, **T. Ozturk**, J. D. Wallis, W. Watson, *J. Chem. Crystallogr.*, **1998**, 28, 409.
- 14 - "Trapping of 1,2-Benzo-1,3,4-cycloheptatriene as Evidence for a Strained Cyclic Allene Structure", Y. K. Yildiz, **T. Ozturk** and M. Balci, *Tetrahedron*, **1999**, 55, 9317.
- 15 - "A Highly Functionalized BEDT-TTF Derivative", **T. Ozturk**, F. Turksoy, E. Ertas, *Phosphorous, Sulfur, Silicon and Related Elements*, **1999**, 153-154, 417.
- 16 - "The Synthesis of Pyrido[2,3,4-*kl*]acridine Unit of Some Marine Alkaloids", **T. Ozturk**, A. McKillop, *Canadian J. Chemistry*, **2000**, 78, 1158.
- 17 - "A Concise Synthesis of 5,6-Diphenyl[1,3]dithiolo[4,5-*b*][1,4]dithiine-2-thione; An important Application of 1,8-Diketone Ring Closure", E. Ertas, **T. Ozturk**, *J. Chem. Soc., Chem. Commun.* **2000**, 2039.
- 18 - "Novel Organosulfur Donors Containing Hydroxy functionalities: Synthesis of bis[2,2-bis(hydroxymethyl)propane-1,3-diyl]dithio]tetrathiafulvalene and Related Materials" **T. Ozturk**, N. Saygili, S. Ozkara, M. Pilkington, C. R. Rice, D. A. Tranter, F. Turksoy, J. D. Wallis, *J. Chem. Soc., Perkin Trans. I*, **2001**, 407.
- 19 - "5-Benzyl-5-phenyl[1,3]dithiolo[4,5-*d*][1,3]dithiole-2-thione", F.B. Kaynak, S. Ozbey, **T. Ozturk**, E. Ertas, *Acta Crystallographica*, **2001**, C57, 319.
- 20 - "Synthesis and Spectroscopic Properties of Benzo/Naphtofuryl-3-hydroxychromones", A. S. Klymchenko, **T. Ozturk**, V. G. Pivovarenko, A. P. Demchenko, *Canadian J. Chemistry*, **2001**, 79, 358.
- 21 - "Functionalised Organosulfur Donor Molecules: Synthesis of Racemic Hydroxymethyl-, Alkoxyethyl- and Dialkoxyethyl-bis(ethylenedithio)tetrathiafulvalenes", N. Saygili, R. J. Brown, P. Day, R. Hoelzl, P. Kathirgamanathan, E. R. Mageean, **T. Ozturk**, M. Pilkington, M. M. B. Qayyum, S. S. Turner, L. Vorweg, J. D. Wallis, *Tetrahedron*, **2001**, 57, 5015.

- 22 - "5,6-Diphenyl[1,3]dithiolo[4,5-*b*]dithiine-2-thione", F. Betül Kaynak, S. Özbey, **T. Ozturk**, E. Erta, *Acta Crystallographica*, **2001**, C57, 926.
- 23 - "5,6-Diphenylthieno[2,3-*d*][1,3]dithiolo-2-thione", F. B. Kaynak, S. Ozbey, **T. Ozturk**, E. Ertas, *Acta Crystallographica*, **2001**, C57, 1125.
- 24 - "A 3-hydroxychromone with Dramatically Improved Fluorescence Properties", A. S. Klymchenko, **T. Ozturk**, V. G. Pivovarenko, A. P. Demchenko, *Tetrahedron Lett.*, **2001**, 42, 7967.
- 25 - "Synthesis of Furanochromones: a New Step in Improvement of Fluorescence Properties", A. S. Klymchenko, **T. Ozturk**, A. P. Demchenko, *Tetrahedron Lett.*, **2002**, 43, 7079.
- 26 - "Novel two-band ratiometric fluorescence probes with different location and orientation in phospholipid membranes", A. S. Klymchenko, G. Duportail, **T. Ozturk**, V. G. Pivovarenko, Y. Mely, A. P. Demchenko, *Chem. Biol.*, **2002**, 9, 1199-1208.
- 27 - "Principles of Designing the Two-band Microenvironment Sensitive Fluorescent Dyes Based on 3-Hydroxychromone", A. S. Klymchenko, V. G. Pivovarenko, **T. Ozturk**, A. P. Demchenko, *New J Chem.*, **2003**, 27, 1336-1343.
- 28 - "In Depth Study of the 1,8-Diketone Ring Formation Reaction; Synthesis of New TTF Derivatives", F. Turksoy, J. D. Wallis, U. Tunca, **T. Ozturk**, *Tetrahedron*, **2003**, 59, 8012.
- 29 - "A Coincise Synthesis of Dithieno[3,2-*b*:2',3'-*d*]thiophene", E. Ertas, **T. Ozturk**, *Tetrahedron. Lett.*, **2004**, 45, 3405-3407.
- 30 - "Electrochemical Behaviour of Some BEDT-TTF and TTF Derivatives", E. Sezer, F. Turksoy, U. Tunca, **T. Ozturk**, *Electrochemical Acta*, **2004**, 570, 101-105.
- 31 - "3,4-Di(4-methoxyphenyl-2-oxoethylsulfanyl)thiophene", S. Özbey, F. B. Kaynak, E. Ertas, **T. Ozturk**, *Acta Crystallographica*, **2005**, 61, 393.
- 32 - "Hydroxylation of PHU in High Yield", M. S. Eroglu, B. Hazer, **T. Ozturk**, T. Cankara, *J. Applied Polymer Science*, **2005**, 97, 2132-39.
- 34 - "Electrochromic Properties of Functionalized Dithieno[3,2-*b*:2',3'-*d*]thiophene Homopolymer", Olcay Mert, Elif Sahin, Erdal Ertas, Turan Ozturk, Engin A. Aydin, Levent Toppare, *J. Electroanal. Chem.*, **2006**, 591, 53-58.
- 35 - "Fluorescent dyes undergoing intramolecular proton transfer with improved sensitivity to surface charge in lipid bilayers", G. M'Baye, A. S. Klymchenko, D. A. Yushchenko, V. V. Shvadchak, **T. Ozturk**, Y. Mely, G. Duportail, *Photochem. Photobiol. Sci.*, **2007**, 6, 71-76.
- 36 - "New 3-hydroxyflavone derivatives for probing hydrophobic sites in microheterogeneous systems", T. Ozturk, A. S. Klymchenko, A. Capan, S. Oncul, S. Cikrikci, S. Taskiran, B. Tasan, F. B. Kaynak, S. Ozbeyd, A. P. Demchenko, *Tetrahedron*, **2007**, 63, 10290-10299.
- 37 - "A Dithienothiophene Derivative as a Long-Wavelength Photosensitizer for Onium Salt Photoinitiated Cationic Polymerization", B. Aydogan, A. S. Gundogan, **T. Ozturk**, Y. Yagci, *Macromolecules*, **2008**, 41, 3468-3471.
- 38 - "Determination and analysis of the dispersive optical constants of the 5,5',6,6'-tetraphenyl-2,2'-bi([1,3]dithiolo[4,5-*b*][1,4]dithiinylidene)-DDQ complex thin film" Y. Atalay, A. Başoğlu, D. Avcı, M. Arslan, **T. Ozturk**, E. Ertas, *Physica B: Condensed Matter*, **2008**, 403 (12), 1983-1989.
- 39 - "Synthesis of highly functionalized BEDT-TTF analogues incorporating 1,4-dithiin rings from 1,8-diketones." E. Ertas, F. B. Kaynak, S. Ozbey, I. Osken, **T. Ozturk**, *Tetrahedron*, **2008**, 64, 10581-10589.
- 40 - "Polythiophene derivatives by step-growth polymerization via photoinduced electron transfer reactions" Aydogan B, Gundogan AS, Ozturk T., Yagci Y., *Chem. Commun.*, **2009**, 41, 6300-6302
- 41 - "Evaluation of the electrochemical properties of 3-hydroxyflavone using voltammetric methods" Guney, S., Yildiz, G., Capan, A., Ozturk, T. *Electrochimica Acta.*, **2010**, 55, 3295-3300.
- 42 - "Application of *N,N'*-Diiodo-*N,N'*-1,2-ethandiylbis(*p*-toluenesulfonamide) as a New Reagent for Synthesis of 2-Arylbenzimidazoles and 2-Arylbenzothiazoles under Solvent-free Conditions" Veisi, H., Ghorbani-Vaghei, R., Faraji, A., Ozturk, T., *Chin. J. Chem.* **2010**, 28, 2249-2254
- 43 - "Investigation of electrochromic properties of poly(3,5-bis(4 methoxyphenyl)dithieno[3,2-*b*:2',3'-*d*]thiophene)", O. Sahin, I. Osken, T. Ozturk, *Synthetic Metals*, **2011**, 161, 183-187.
- 44 - "Long wavelength photoinitiated free radical polymerization using conjugated thiophene derivatives in the presence of onium salts" S. Beyazit, B. Aydogan, I. Osken, T. Ozturk, Y. Yagci, *Polym. Chem.* **2011**, 2, 1185.

- 45- “Synthesis of silver/epoxy nanocomposites by visible light sensitization using highly conjugated thiophene derivatives”. Y. Yagci, O. Sahin, T. Ozturk, Sophie Marchi, Sabrina Grassini, Marco Sangermano, **2011**, *Reactive & Functional Polymers*, *71*, 857–862.
- 46- “A theoretical approach to the formation mechanism of diphenyldithieno[3,2-*b*:2',3'-*d*]thiophene from 1,8-diketone, 4,5-bis(benzoylmethylthio)thiophene: a DFT study”, Cihan Ozen, Mine Yurtsever, Turan Ozturk, *Tetrahedron*, **2011**, *67*, 6275-6280.
- 47- “Electrochromic behaviors of poly(3,5-bis(4-bromophenyl)dithieno[3,2-*b*:2',3'-*d*]thiophene)”, I. Osken, H. Bildirir, T. Ozturk, *Thin Solid Films*, **2011**, *519*, 7707-7711.
- 48- “Synthesis and Electronic Properties of 4-cyanophenylvinylenedithiathiophene; An EDOT Analogue” O. Sucsoran, S. Bekiroglu, T. Ozturk, E. Ertas, *Synthetic Metals*, **2012**, *162*, 49-53.
- 49- “Selective syntheses of vinylenedithiathiophenes (VDTTs) and dithienothiophenes (DTTs); building blocks for π -conjugated systems”, I. Osken, O. Sahin, A. S. Gundogan, H. Bildirir, A. Capan, E. Ertas, M. S. Eroglu, J. D. Wallis, T. Ozturk, *Tetrahedron*, **2012**, *68*, 1216-1222.
- 50- “Facile Syntheses of 3-hydroxyflavones”, S. Gunduz, A. C. Goren, T. Ozturk, *Org. Lett.* **2012**, *14*, 1576.
- 51- “Poly(3,5-dithiophene-2-ylidithieno[3,2-*b*:2',3'-*d*]thiophene-co-Ethylenedioxythiophene)/Glassy carbon electrode Formation and Electrochemical Impedance Spectroscopic Study”, M. Ates, I. Osken, T. Ozturk, *J. Electrochem. Soc.* **2012**, *159*, E115-E121.
- 52- “Synthesis and electrochromic properties of 3,5-diphenyl-2,6-dithiophene-2-ylidithieno[3,2-*b*:2',3'-*d*]thiophene”, P. Dunder, I. Osken, T. Ozturk, *Synthetic Metals*, **2012**, *162*, 1010-1015.
- 53- “Concise Syntheses, Polymers and Properties of 3-Arylthieno[3,2-*b*]thiophenes”, A. Capan, H. Veisi, A. C. Goren, T. Ozturk, *Macromolecules*, **2012**, *45*, 8228-8236.
- 54- “Synthesis and Characterization of pH and Temperature Sensitive Hydrogel for 5-Amino Salicylic Acid Delivery”, Bostan, M. S.; Senol, M.; Cig, T.; Peker, I.; Goren, A. C.; Ozturk, T.; Eroglu, M. S. *Int. J. Biol. Macromol.* **2013**, *52*, 177– 183
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