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Araştırma Görevlisi	1996 - 2004
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Eğitim Bilgileri

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Ödüller

- National Research Foundation of South Africa Doktora Sonrası Araştırma Bursu, 2006.
- 12th Congress of the European Society for Photobiology Bursu, 2007.
- Araştırma Teşvik Ödülü, Gebze Yüksek Teknoloji Enstitüsü, 2008.
- En Başarılı Araştırmacı Ödülü, Gebze Teknik Üniversitesi, 2016.

Projeler

1. Yeni Metallomesogenlerin Sentezi ve Karakterizasyonu, GYTE, 98 A 01 03 13, (1998-1999), **Araştıracı**.
2. Amino, hidroksi ve tiyo sübstidue Yeni fosfazen Türevlerinin Sentezi ve Bazı uygulama Alanlarının Belirlenmesi, TÜBİTAK-TBAG, Proje No: 1817, (1999-2001), **Araştıracı**.
3. Yeni Benzo Azaeterli Ftalosianinlerin Sentezi ve Yapılarının Aydınlatılması, GYTE, 99 A 01 03 17, (1999-2001), **Araştıracı**.
4. Mezofaz Özellikle yeni ftalosianinlerin Sentezi ve Yapılarının Aydınlatılması, GYTE, 99 B 01 03 23, (1999- 2001), **Araştıracı**.
5. Yeni Alkoksi Sübstidue Oksim ve Geçiş Metal Komplekslerinin Sentezi, Sıvı Kristal Özelliklerinin İncelenmesi, GYTE, 99 B 01 03 20, (1999-2000), **Araştıracı**.

- 6.** Synthesis and Characterization of Molecular Materials with Magneto-Optical Properties TÜBİTAK-CNRS, Proje No: 59 95 506, (2000-2002)(FRANSA), **Araştıracı**.
- 7.** Yeni Tip Morfolin Sübstítüe Dioksim ve Çeşitli Geçiş Metal Komplekslerinin Sentezi, GYTE, 02B-01-03-07, (2002-2003), **Araştıracı**.
- 8.** Bazı Amino ve tiyoalkil Sübstítüe vic-Dioksimlerin Sentezi ve Nanoteknoloji Alanındaki Uygulamaları, GYTE, 2003-A-06, (2003-2005), **Araştıracı**.
- 9.** İleri Teknolojik Malzemelerin Sentezleri ve Uygulama Alanlarının Belirlenmesi, GYTE, 02 A 01 03 05, (2002-2004), **Araştıracı**.
- 10.** Atıksu Koku Karekterizasyonu İçin Kimyasal Algılayıcılar Dizisi(Elektron Burun) Geliştirilmesi, TÜBİTAK, TBAG-2080(2002-2005), **Araştıracı**.
- 11.** Yeni Polioksosülfonilli Ftalosiyaninlerin Sentezi ve Uygulama Alanlarının Belirlenmesi, GYTE 2003-A-24 (2003-2005), **Araştıracı**.
- 12.** Novel Phthalocyanine Complexes for Catalysis TÜBİTAK- CNRS, Proje No: TBAG-U/61 102T212,(2003-2005)(FRANSA), **Araştıracı**.
- 13.** Kimyasal Sensörlerin Araştırılması ve Geliştirilmesi, DPT, (2004-2007), **Araştıracı**.
- 14.** Yeni Tip Ftalosiyaninlerin Sentezi ve Sıvı Kristal Özelliklerinin İncelenmesi, TÜBİTAK, TBAG-2375(2004-2006), **Araştıracı**.
- 15.** Microporous Materials with Nanochannels Afforded by Oxime Complexes, TÜBİTAK- CNRS, Proje No: TBAG-U/146 105T274, (2006-2007)(FRANSA), **Araştıracı**.
- 16.** Fotosensitizer Olarak Yeni Ftalosiyaninlerin Sentezi ve Fotodinamik Terapide *in vitro* Uygulamaları, TÜBİTAK- Kariyer Projesi, Proje No: 104T217 (2005-2008), **Araştıracı**.
- 17.** Fotodinamik Terapi Amaçlı Yeni Ftalosiyanin Bileşiklerinin Sentezi, GYTE Araştırma Fonu Projesi, Proje No: 2007-A-1 (2007-2009), **Proje Yürüttürücüsü**.
- 18.** Nanopartikül-Ftalosiyanin Fotosensitizerlerin Sentezi ve Fotodinamik Terapi Uygulamaları, TÜBİTAK, TBAG-107T832, (2008-2010), **Proje Yürüttürücüsü**.
- 19.** Elektronik Uygulamalar İçin Mesomorfik Moleküller Malzemeler: Film yüzeylerindeki yapısal düzenlenmelerin tanımlanması, TÜBİTAK, 108M384, (2009-2011)(RUSYA), **Proje Yürüttürücüsü**.
- 20.** Çok Fonksiyonlu Ftalosiyanin-Salen Kompleksleri: Sentezi, Yapı Tayini, Optik ve Manyetik Özellikleri, TUBITAK, MAG-108M500, (2009-2011)., **Araştıracı**.
- 21.** Suda Çözünür Yeni Ftalosiyaninlerin Sentezi ve Enzim Aktiviteleri Üzerine Etkilerinin İncelenmesi, TUBITAK, TBAG-110T800, (2011-2013), **Danışman**.
- 22.** Floreniliden Köprülü Siklofosfazen Bileşiklerinin Sentezi, Karakterizasyonu ve Floresans, Biyolojik Aktivite Özelliklerinin Araştırılması, TUBITAK, TBAG- 111T085, (2011-2013), **Danışman**.
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- 24.** Suda Çözünebilen Yeni Çinko Ftalosiyaninlerin Sentezi, Karakterizasyonu ve Fotodinamik Terapi Özelliklerinin İncelenmesi, TUBITAK, TBAG-111T963, (2012-2014), **Araştıracı**.

- 25.** Tek Duvarlı Karbon Nanotüp / Ftalosianın Hibrit Malzemeler: Sentez, Karakterizasyon ve Sensör Özellikleri, TÜBİTAK, 111M699, (2012-2014)(RUSYA), **Proje Yürüttücsü.**
- 26.** Dimerik Piren-BODIPY-Ftalosianın Fotosensitizerlerin Sentezi ve In vitro Fotodinamik Kanser Terapi Aktivitelerinin İncelenmesi, TÜBİTAK, 113Z417, (2013-2014), **Proje Yürüttücsü.**
- 27.** Floresans Tanımlama ve Fotodinamik Terapi Amaçlı Suda Çözünebilen Ftalosianın Bileşikleri, TÜBİTAK, 212M053, (2013-2016)(BULGARİSTAN), **Proje Yürüttücsü.**
- 28.** Kanserin Teshisi ve Tedavisi (Theranostic) Amaçlı Yeni Ftalosianın-Bor Dipirometene (Bodipy) Fotosensitizerlerin "Click" Yöntemi ile Sentezi ve özelliklerinin İncelenmesi, TÜBİTAK, 115Z030, (2015-2016), **Proje Yürüttücsü.**
- 29.** Yeni Tip Çok Fonksiyonlu Fotosensitizer Bileşiklerin Sentezi ve Biyolojik Aktivitelerinin İncelenmesi, TÜBİTAK, 114Z924, (2015-2017), **Proje Yürüttücsü.**
- 30.** Fosfazen Çekirdekli Cıva(II) İyon Seçici Floresans Sensörlerinin Sentezi ve Özelliklerinin İncelenmesi, TÜBİTAK, 214Z069, (2015-2017), **Araştırcı.**
- 31.** Fotodinamik Terapide Fotoduyarlaştırıcı Olarak Kullanabilecek Yeni Direkt Konjuge Ftalosianın Bileşiklerinin Sentezi, Fotofiziksel ve Fotokimyasal Özelliklerinin İncelenmesi, TÜBİTAK, 115Z619, (2015-2017), **Araştırcı.**
- 32.** Karbon Nanotüp Tabanlı Yeni Hibrid Malzemelerin Sentezi, Karakterizasyonu ve Güneş Pili Uygulamalarının Arastırılması, TÜBİTAK, 115Z734, (2015-2016), **Araştırcı.**
- 33.** Tümörlü Bölgede Seçicilik Gösteren Suda Çözünebilir Asimetrik BODIPY- Ftalosianın Fotosensitizerlerin Sentezi ve In vitro Fotodinamik Kanser Terapi Aktivitelerinin İncelenmesi, TÜBİTAK, 117Z531, (2017-2019), **Araştırcı.**
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- 36.** Farklı Sayılarda (2,4,6,8, ve 10) Aminoasit Grupları İçeren Silisyum(IV) Ftalosianın Bileşiklerinin Sentezi Ve In Vitro Fotodinamik Terapi Uygulamaları, TÜBİTAK, 117Z395, (2017-2020), **Danışman.**
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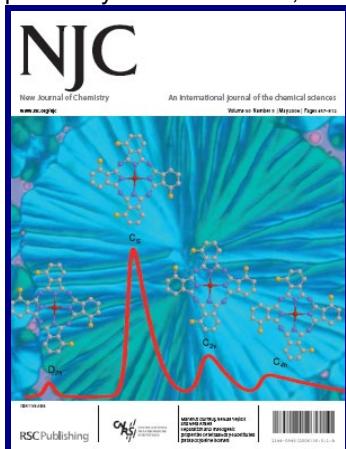
Kitaplar

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- Şenocak, E. Demirbaş, **M. Durmuş**, "Phthalocyanine-nanocarbon materials and their composites: Preparation, properties, and applications", A. Khan, M. Jawaid,I.A.M. Asiri (Eds.), Nanocarbon and its Composites Preparation, Properties, and Applications, ISBN: 978-0-08-102509-3, ELSEVIER, Duxford, Cambridge, Kidlington, 2018.

Yayınlar

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2. **M. Durmuş**, V. Ahsen, D. Luneau, J. Pécaut; "Synthesis and structures of morpholine substituted new vic-dioxime ligand and its Ni(II) complexes", *Inorganica Chimica Acta*, 357, 588-594, (2004).
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4. **M. Durmuş**, C. Lebrun, V. Ahsen; "Synthesis and characterization of novel liquid and liquid crystalline phthalocyanines" *J.Porphyrins Phthalocyanines*, 8, 1175- 1186, (2004).
5. O. Köysal, M. Okutan, **M. Durmuş**, S.E. San, V. Ahsen; "Investigation of nickel phthalocyanine doped nematic liquid crystal system by dielectric spectroscopy and diffraction grating experiments", *Synthetic Metals*, 156, 58-64, (2006).
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9. A. Topacli, C. Topacli, B. Tesneli, M. Durmuş, V. Ahsen; "Infrared studies of pyroelectric langmuir-blodgett films of arachidic acid and 1,2-bis(dodecyloxy)- 4,5-diaminobenzene", *Journal of Molecular Structure.*, 800, 51-54, (2006).

10. O. Köysal, M. Okutan, S. E. San, M. Durmuş, F. N. Ecevit, V. Ahsen; "Diffraction efficiency enhancement caused by employing liquid crystal phthalonitrile derivative in nematic liquid crystals", *Dyes and Pigments*, 73, 98-102, (2007).

11. M. Durmuş, T. Nyokong, "The synthesis, fluorescence behaviour and singlet oxygen studies of new water-soluble cationic gallium (III) phthalocyanines", *Inorganic Chemistry Communications*, 10, 332-338, (2007).

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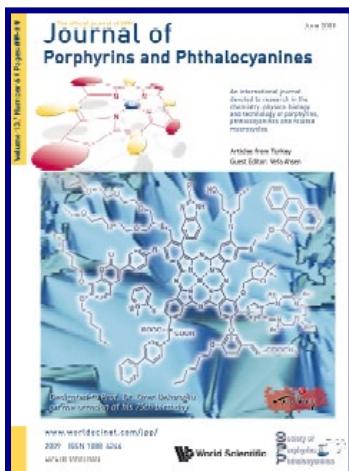
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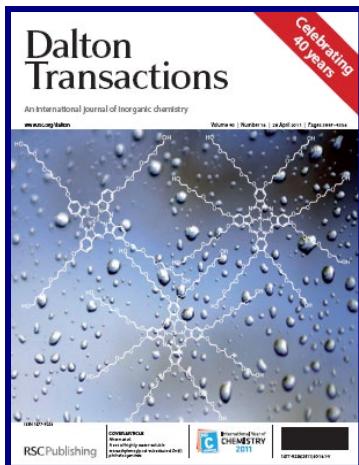


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