

## Prof. Dr. MUSTAFA TAVASLI

### Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: AAB-1630-2020

ScopusID: 6506308760

Yoksis Araştırmacı ID: 4108

### Eğitim Bilgileri

Doktora, University of Durham-The Graduate Society, Kimya Anabilim Dalı, Birleşik Krallık 1996 - 1999

Yüksek Lisans, Selçuk Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Türkiye 1991 - 1993

Lisans, Selçuk Üniversitesi, Eğitim Fakültesi, Kimya Öğretmenliği Pr., Türkiye 1987 - 1991

### Yabancı Diller

İngilizce, C1 İleri

### Yaptığı Tezler

Doktora, Synthesis of a New Class of Homochiral Amines and Novel Bio-active Tropanes, University of Durham, Graduate School, Chemistry, 1999

Yüksek Lisans, Bazı kaliks(n)arenlerin faz transfer özelliklerinin incelenmesi, Selçuk Üniversitesi, Fen Bilimleri Enstitüsü, 1993

### Araştırma Alanları

Temel Bilimler

### Akademik Unvanlar / Görevler

Prof. Dr., Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, KİMYA, 2011 - Devam Ediyor

Doç. Dr., Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, KİMYA, 2006 - Devam Ediyor

Araştırma Görevlisi, University of Durham, 2003 - 2008

Araştırma Görevlisi, University of Newcastle Upon Tyne, 2002 - 2003

Araştırma Görevlisi, University of St. Andrews, 2001 - 2002

Öğretim Görevlisi, Afyon Kocatepe Üniversitesi, 2000 - 2001

Araştırma Görevlisi, Afyon Kocatepe Üniversitesi, 1993 - 2000

## Akademik İdari Deneyim

Sürekli Eğitim Merkezi Müdürü, Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, KİMYA, 2019 - 2020  
Anabilim/Bilim Dalı Başkanı, Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, KİMYA, 2016 - 2019  
Bölüm Başkan Yardımcısı, Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, KİMYA, 2013 - 2016

## Verdiği Dersler

Bitirme Çalışması II, Lisans, 2021 - 2022  
Organik Kimya II, Lisans, 2021 - 2022  
Reaction Mechanism in Organic Chemistry, Lisans, 2021 - 2022  
Industrial Organic Molecules, Lisans, 2021 - 2022  
Bitirme Çalışması I, Lisans, 2021 - 2022  
Biyolojik Kimya, Lisans, 2021 - 2022, 2020 - 2021, 2019 - 2020  
Organik Kimya I, Lisans, 2021 - 2022  
Infrared Spectroscopy in Organic Chemistry, Lisans, 2021 - 2022

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A reaction-based carbazole-dicyanovinyl conjugated colorimetric and ratiometric fluorescent probe for selective detection of cyanide ions**  
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- III. **A red-orange carbazole-based iridium(III) complex: Synthesis, thermal, optical and electrochemical properties and OLED application**  
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- IV. **Carbazole-based D-pi-A molecules: Determining the photophysical properties and comparing ICT effects of pi-spacer and acceptor groups**  
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- V. **Yellowish-orange and red emitting quinoline-based iridium(III) complexes: Synthesis, thermal, optical and electrochemical properties and OLED application**  
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- VI. **Synthesis of novel multifunctional carbazole-based molecules and their thermal, electrochemical and optical properties**  
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- VII. **Synthesis and optical characterization of novel carbazole Schiff bases**  
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Aydemir M., Haykir G., Battal A., Jankus V., Sugunan S. K., Dias F. B., Al-Attar H., Turksoy F., TAVASLI M., Monkman A. P.  
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- XII. **Colour tuning from green to red by substituent effects in phosphorescent tris-cyclometalated iridium(III) complexes of carbazole-based ligands: synthetic, photophysical, computational and high efficiency OLED studies**  
TAVASLI M., Moore T. N., Zheng Y., Bryce M. R., Fox M. A., Griffiths G. C., Jankus V., Al-Attar H. A., Monkman A. P.  
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- XIII. **Highly Efficient, Solution-Processed, Single-Layer, Electrophosphorescent Diodes and the Effect of Molecular Dipole Moment**  
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- XIV. **Syntheses of two diamine substituted 1,3-distal calix[4]arene-based magnetite nanoparticles for extraction of dichromate, arsenate and uranyl ions**  
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- XVI. **Cationic bis-cyclometalated iridium(III) phenanthroline complexes with pendant fluorenyl substituents: Synthesis, redox, photophysical properties and light-emitting cells**  
Zeng X., TAVASLI M., Perepichka I. F., Batsanov A. S., Bryce M. R., Chiang C., Rothe C., Monkman A. P.  
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Bettington S., TAVASLI M., Bryce M., Batsanov A., Thompson A., Al Attar H., Dias F., Monkman A.  
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- XXI. **Practical syntheses of N-hexylcarbazol-2-yl- and -3-yl-boronic acids, their cross-coupled products and a derived tris-cyclometalated (pyridin-2-yl)carbazole iridium(III) complex**

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- XXIII. **Oligo(fluorenyl) pyridine ligands and their tris-cyclometalated iridium(III) complexes: synthesis, photophysical properties and electrophosphorescent devices**  
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- XXIV. **The fluorine gauche effect. Langmuir isotherms report the relative conformational stability of (+/-)-erythro- and (+/-)-threo-9,10-difluorostearic acids**  
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- XXV. **Extreme enantiomeric discrimination of fluoroalkanes using deuterium NMR in chiral liquid crystalline media**  
TAVASLI M., Courtieu J., Goss R., Meddour A., O'Hagan D.  
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- XXVI. **1-(1,3-Dithian-2-yl)-2-phenylethanone**  
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- XXVII. **3 alpha-Tosyloxymethyltropane(N-8-B)-borane**  
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- XXVIII. **A synthesis of (S)-alpha-(fluorodiphenylmethyl)alkylamines by HF-pyridine treatment of 4-alkyl-5,5-diphenyl-oxazolidinones**  
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- XXIX. **A short synthesis of (S)-alpha-(diphenylmethyl)alkyl amines from amino acids**  
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Bailey D., O'Hagan D., TAVASLI M.  
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- XXXII. **SELECTIVE EXTRACTION OF FE<sup>3+</sup> BY A POLYMERIC CALIX[4]ARENE**  
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## Kitap & Kitap Bölümleri

### I. Temel Organik Kimya

AKTAN E., ALTUNDAŞ A., AYDOĞAN A., DİNÇER S., DİŞLİ A., KOZ Ö., SARIKAHYA N., SAYIL M. Ç., SEFEROĞLU Z., TAVASLI M., et al.  
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### II. Bir Bakışta Heterosiklik Kimya

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## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Bis(2-phenyl-4/5-formylpyridinato-N,C2')iridium(III)acetylacetonate (5a and 5b): their 15 Minute synthesis, characterisations and photophysical properties**  
ALTINÖLÇEK N., TAVASLI M., AYDEMİR M., Dos Santos P. L., Monkman A. P.  
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- II. **Design and Synthesis of Novel Cyclometalating Ligands**  
TAVASLI M.  
Istanbul International Organic Electronic Symposium, 2 - 04 Aralık 2019
- III. **Synthesis, Thermal and Optical Properties of a Novel Bis(2-(4-dicyanovinylphenyl)pyridinato-N,C2)iridium(acetylacetonate)**  
ALTINÖLÇEK N., TAVASLI M., AYDEMİR M., ABAY B., MONKMAN A. P.  
The Internatinoal Conference on Materials Science Mechanical and Automotive Engineerings and Technology in CAPPADOCIA/TURKEY (IMSMATEC'19), 21 - 23 Haziran 2019
- IV. **Design, Synthesis and Characterization of Carbazole Based Biothiol Fluorescent Sensors**  
VARDALLI C., ALTINÖLÇEK N., TAVASLI M.  
The Internatinoal Conference on Materials Science Mechanical and Automotive Engineerings and Technology in CAPPADOCIA/TURKEY (IMSMATEC'19), 21 - 23 Haziran 2019
- V. **White polymeric light-emitting diode based on a fluorens polymer/Ir complex blend system**  
Al Attar H. A., Monkman A. P., TAVASLI M., Bettington S., Bryce M. R.  
Building European OLED Infrastructure, Cambridge, İngiltere, 6 - 07 Haziran 2005, cilt.5961
- VI. **Oligo(fluorenyl)pyridine ligands and their iridium complexes: Synthesis, photophysical properties and electrophosphorescent devices.**  
TAVASLI M., Bettington S., Bryce M., Monkman A., Al Attar H., Dias F., King S.  
229th National Meeting of the American-Chemical-Society, California, Amerika Birleşik Devletleri, 13 - 17 Mart 2005, cilt.229

## Desteklenen Projeler

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## Metrikler

Yayın: 41

Atıf (WoS): 1187

Atıf (Scopus): 1216

H-İndeks (WoS): 18

H-İndeks (Scopus): 18

## Akademi Dışı Deneyim

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University of Newcastle upon Tyne, School of Clinical & Laboratory Sciences

University of St Andrews, School of Chemistry

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Aksaray Yeşiltepe Lisesi