

Prof.Dr. YASEMİN UDUM

Kişisel Bilgiler

E-posta: y.udum@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/y.udum>

Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), Türkiye 1998 - 2004

Yüksek Lisans, Mersin Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Türkiye 1996 - 1998

Lisans, Gazi Üniversitesi, Gazi Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Türkiye 1990 - 1994

Yaptığı Tezler

Doktora, Electrochemical synthesis and characterization of sulfonated polythiophenes and aniline-thiophene copolymers, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 2004

Yüksek Lisans, Polipirol, politiyofen, poliindol ve alaşımlarının elektrokimyasal sentezi ve karakterizasyonu, Mersin Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 1998

Akademik Unvanlar / Görevler

Doç.Dr., Gazi Üniversitesi, Fen Bilimleri Enstitüsü, İleri Teknolojiler Anabilim Dalı (Disiplinlerarası), 2010 - Devam Ediyor

Yrd.Doç.Dr., Gazi Üniversitesi, Fen Bilimleri Enstitüsü, İleri Teknolojiler Anabilim Dalı (Disiplinlerarası), 2008 - 2009

Yrd.Doç.Dr., Mersin Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2004 - 2008

Araştırma Görevlisi, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 1999 - 2004

Araştırma Görevlisi, Mersin Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1995 - 1998

Mesleki Deneyim

Bölüm Başkan Yardımcısı, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, İleri Teknolojiler Anabilim Dalı (Disiplinlerarası), 2015 - Devam Ediyor

Yönetilen Tezler

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- II. **ProTOT: Synthesis of the missing member of the 3,4-chalcogen substituted bridged thiophenes and its utilization in donor-acceptor polymers**
Yaylali F. V. , Ozel H., UDUM Y., TOPPARE L. K. , SÖYLEMEZ S., GÜNBAŞ E. G.
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- III. **Indenoquinoxalinone based conjugated polymer substrate for laccase biosensor**
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- V. **A comprehensive study: Theoretical and experimental investigation of heteroatom and substituent effects on frontier orbitals and polymer solar cell performances**
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- IX. **Electrosynthesis and characterizations of electrochromic and soluble polymer films based on N-substituted carbazole derivates**
Elkhydr H. E. , ERTEKİN Z., UDUM Y., PEKMEZ K.
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- X. **A new ethanol biosensor based on polyfluorene-g-poly(ethylene glycol) and multiwalled carbon nanotubes**
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- XI. **Syntheses and Characterization of Benzotriazole, Thienopyrroledione, and Benzodithiophene Containing Conjugated Random Terpolymers for Organic Solar Cells**
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- XII. **A thiazolothiazole containing multichromic polymer for glucose detection**
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- XIII. **Tuning molecular energy levels and band gap of two-dimensional benzo[1,2-b:4,5-b'] dithiophene and quinoxaline bearing polymers**
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- XIV. **A multipurpose conjugated polymer: Electrochromic device and biosensor construction for glucose detection**
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- XV. **Application of an Efficient Amperometric Glucose Sensing Electrode Based on a Bilayer Polymer Film Platform**
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- XVII. **Polymerization and biosensor application of water soluble peptide-SNS type monomer conjugates**
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- XVIII. **Effect of substituent groups on quinoxaline-based random copolymers on the optoelectronic and photovoltaic properties**
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- XIX. **Incorporation of Different Conjugated Linkers into Low Band Gap Polymers Based on 5,6-Bis(octyloxy)-2,1,3 benzoxadiazole for Tuning Optoelectronic Properties**
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- XX. **Synthesis and characterization of conducting polymers containing polypeptide and ferrocene side chains as ethanol biosensors**
Kesik M., Akbulut H., Soylemez S., Cevher S. C. , Hizalan G., UDUM Y., Endo T., Yamada S., ÇIRPAN A., Yağcı Y., et al.
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- XXII. **Electrosynthesis and characterization of an electrochromic material containing biscarbazole-oxadiazole units and its application in an electrochromic device**
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- XXIII. **Electrochemical and optical properties of a conducting polymer and its use in a novel biosensor for the detection of cholesterol**
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- XXIV. **Multichromic and soluble conjugated polymers containing thiazolothiazole unit for electrochromic applications**
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- XXV. **Synthesis of a benzotriazole bearing alternating copolymer for organic photovoltaic applications**
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- XXVI. **Electrochemical Properties of Perylene Diimide (PDI) and Benzotriazole (Btz) Bearing Conjugated Polymers to Investigate the Effect of pi-Bridge on Electrochemical Properties**
Baysec S., Unlu N. A. , Hacıoglu S. O. , UDUM Y., ÇIRPAN A., TOPPARE L. K.
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- XXVII. **Synthesis and Characterization of Thiophene and Thieno[3,2-b]thiophene Containing Conjugated Polymers**
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- XXVIII. **Electrochemical and spectroelectrochemical studies of poly(2,5-di-2,3-dihydrothieno[3,4-b][1,4]dioxin-5-ylthienyl) derivatives bearing azobenzene, coumarine and fluorescein dyes: Effect of chromophore groups on electrochromic properties**
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- XXIX. **Synthesis and Spectroelectrochemistry of Dithieno(3,2-b:2',3'-d)pyrrole Derivatives**
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- XXX. **Electrochromic properties of multicolored novel polymer synthesized via combination of benzotriazole and N-functionalized 2,5-di(2-thienyl)-1H-pyrrole units**
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Goker S., Hizalan G., UDUM Y., TOPPARE L. K.
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- XXXII. **Inverted bulk-heterojunction solar cell with cross-linked hole-blocking layer**
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- XXXVII. **Synthesis and electrochemical characterization of fluorene and benzimidazole containing novel conjugated polymers: Effect of alkyl chain length on electrochemical properties**
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- XXXVIII. **Spray-processable thiazolothiazole-based copolymers with altered donor groups and their electrochromic properties**
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- XXXIX. **Effective and Functional Surface Design for Biosensing Applications Based on a Novel Conducting Polymer and PMMA/Clay Nanocomposite**
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- XLI. Synthesis of aromatic poly(pyridinium salt)s and their electrochromic properties**
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- XLIII. Tailoring the optoelectronic properties of donor-acceptor-donor type pi-conjugated polymers via incorporating different electron-acceptor moieties**
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- XLIV. Near infrared electrochromic polymers based on phenazine moieties**
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- XLV. The effect of the donor unit on the optical properties of polymers**
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- XLVII. Multi-colored electrochromic polymer with enhanced optical contrast**
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- XLVIII. The effect of changes in pi-conjugated terthienyl systems using thienyl and ethylenedioxybenzene functionalized thieno[3,4-b]pyrazine precursors: Multicolored low band gap polymers**
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- L. Molecular architecture: Another plausible pathway toward a low band gap polymer**
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- LI. Effect of Conjugated Core Building Block Dibenzo[a,c]phenazine Unit on pi-Conjugated Electrochromic Polymers: Red-Shifted Absorption**
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- LIII. Tuning of the neutral state color of the pi-conjugated donor-acceptor-donor type polymer from blue to green via changing the donor strength on the polymer**
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- LVIII. **A new donor-acceptor type polymeric material from a thiophene derivative and its electrochromic properties**
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- LIX. **Electrochemical polymerization and spectroscopic investigation of 2-methylindole**
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- LX. **A new self-doped copolymer consisting of 3-methyl thiophene and aniline units**
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