

Prof. LEVENT KAMİL TOPPARE

Personal Information

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Education Information

Doctorate, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, Turkey 1978 - 1982

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, 1990 - Continues

Advising Theses

TOPPARE L. K. , The impact of [1,2,5]chalcogenazolo[3,4,f]-benzo[1,2,3]triazole structure on the optoelectronic properties of conjugated polymers., Post Graduate, E.Aydan(Student), 2020

TOPPARE L. K. , ELECTROCHEMICAL SENSING OF GLUCOSE USING CONJUGATED POLYMER/CHITOSAN/MWCNT ARCHITECTURE, Post Graduate, H.ÖZEL(Student), 2019

TOPPARE L. K. , Investigation of the effects of different macrostructures on conjugated polymer based amperometric biosensor performance, Post Graduate, E.BÜBER(Student), 2018

TOPPARE L. K. , Functionalization and fabrication of polymer based device platform architectures for sensor applications, Doctorate, S.SÖYLEMEZ(Student), 2018

TOPPARE L. K. , Inverted organic solar cell applications of benzodithiophene and benzotriazole bearing alternating copolymers, Post Graduate, E.BOLAYIR(Student), 2018

TOPPARE L. K. , Toppare L., Multi-functional polymer scaffolds as biosensors for detection of ethanol and organophosphorous pesticides and as fluorescent probes for cell imaging purposes, Doctorate, M.Kesik(Student), 2017

TOPPARE L. K. , Polymer light emitting diodes and organic solar cells towards ito free devices and high efficiency devices using electrochemically synthesized polymers / , Doctorate, G.Hızalan(Student), 2017

TOPPARE L. K. , Synthesis, electrochemical characterization and organic solar cell applications of selenophene containing conjugated polymers, Post Graduate, M.YAŞA(Student), 2017

TOPPARE L. K. , Multi-functional polymer scaffolds as biosensors for detection of ethanol and organophosphorous pesticides and as a fluorescent probe for cell imaging purpose, Doctorate, M.KESİK(Student), 2017

TOPPARE L. K. , Polymer light emitting diodes and organic solar cells towards ITO free devices and high efficiency devices using electrochemically synthesized polymers, Doctorate, G.HIZALAN(Student), 2017

TOPPARE L. K. , Development of amperometric glucose biosensors based on conducting polymers and different materials providing enhanced performance, Post Graduate, T.CEREN(Student), 2016

TOPPARE L. K. , Development of amperometric cholinesterase biosensors based on a conducting polymer for detection

of anti-dementia drugs and pesticides, Post Graduate, J.TURAN(Student), 2016

TOPPARE L. K. , Synthesis, photophysical and photovoltaic properties of 11-fluorodibenzo[a,c]phenazine bearing donor-acceptor type conjugated polymers, Post Graduate, E.AKTAŞ(Student), 2016

TOPPARE L. K. , Syntheses, electrochemical and spectroelectrochemical characterizations of benzothiadiazole and benzoselenadiazole containing random copolymers, Post Graduate, S.KUTKAN(Student), 2016

DOĞAN Ö., TOPPARE L. K. , Syntheses of new multifunctional donor acceptor type polymers for electrochromic and organic solar cell applications / , Doctorate, Ş.ÖZDEMİR(Student), 2016

TOPPARE L. K. , Syntheses, spectroelectrochemical and electrochemical characterizations of naphthodithiophene containing polymers for solar cell applications, Post Graduate, E.İŞİK(Student), 2016

TOPPARE L. K. , Benzodithiophene and benzotriazole bearing alternating copolymers, effect of thiophene and bithiophene _bridges on photovoltaic properties, Post Graduate, Ç.İSTANBULLUOĞLU(Student), 2016

TOPPARE L. K. , ÇIRPAN A., Syntheses, characterization and optical properties of fluorine containing benzimidazole derivatives, Post Graduate, M.İleri(Student), 2015

TOPPARE L. K. , Development of novel immobilization matrices via surface modification approach for glucose detection and their biosensor applications, Doctorate, S.DEMİRCİ(Student), 2014

TOPPARE L. K. , A functional immobilization matrix based on a conducting polymer modified with PMMA/clay nanocomposites and gold nanoparticles: Applications to amperometric glucose biosensors, Post Graduate, M.KESİK(Student), 2014

TOPPARE L. K. , Syntheses and investigation of optoelectronic properties of 5,6-bis(octyloxy)benzo[c][1,2,5]oxadiazole derivatives, Post Graduate, S.GÖKER(Student), 2014

TOPPARE L. K. , Benzoselenadiazole, quinoxaline and thienothiophene based monomers; electrochemical and spectroelectrochemical properties, Post Graduate, S.TOKSABAY(Student), 2014

TOPPARE L. K. , Syntheses and investigation of optoelectronic properties of 5, 6- BIS (octyloxy) benzo[c][1,2,5]oxadiazole, Post Graduate, S.Göker(Student), 2014

TOPPARE L. K. , ÇIRPAN A., Synthesis, Characterizations And Photovoltaic Applications Of Dithienothiophene And Benzotriazole Containing Conjugated Polymers, Post Graduate, Ş.Can(Student), 2013

TOPPARE L. K. , ÇIRPAN A., The Combination Of Benzotriazole And N-Functionalized 2,5-Di(2-Thienyl)-1h-Pyrrole Units To Investigate The Electrochromic Properties Of Conjugated Polymers, Post Graduate, E.Rende(Student), 2013

TOPPARE L. K. , ÇIRPAN A., Syntheses of new monomeric and polymeric units and electrochemical behaviors for the use in electrochromic applications, Post Graduate, N.Buket(Student), 2013

TOPPARE L. K. , Syntheses and characterization of benzimidazole containing polymers: A comparative study on donor unit effect and influence of H-bonding, Post Graduate, A.GÖYÇEK(Student), 2013

TOPPARE L. K. , Synthesis, spectroscopic and electrochemical studies of perylene containing conjugated copolymers, Post Graduate, Ş.BAYSEÇ(Student), 2013

TOPPARE L. K. , Syntheses and characterization of benzimidazole containing polymers: a comparative study on donor unit effect and influence of H-bonding, Post Graduate, A.Gökçek(Student), 2013

TOPPARE L. K. , ÇIRPAN A., Substituted quinoxaline and benzimidazole containing monomers as long wavelength photosensitizers for diaryliodonium salt initiators in photopolymerization, Post Graduate, B.Çorakçı(Student), 2013

TOPPARE L. K. , Synthesis and electrochemical studies of fluorene and benzimidazole containing conjugated polymers, Post Graduate, İ.NAMAL(Student), 2013

ÇIRPAN A., TOPPARE L. K. , Synthesis, characterizations and photovoltaic applications of dithienothiophene and benzotriazole containing conjugated polymers, Post Graduate, Ş.Can(Student), 2013

TOPPARE L. K. , Bioactive surface design based on conducting polymers and applications to biosensors, Post Graduate, F.EKİZ(Student), 2012

TOPPARE L. K. , Spectrophotometric and amperometric biosensors based on conducting polymers of 1-benzyl-2,5-di(thiophen-2-yl)- 1H-pyrrole and(4,7-dithien-2-yl-2,1,3-benzothiadiazole), Post Graduate, S.TANRIVERDİ(Student), 2012

TOPPARE L. K. , Cholesterol oxidase biosensors based on polymer networks of chitosan/alginate acid and chitosan/p(toluenesulfonicacid), Post Graduate, E.Yapar(Student), 2012

TOPPARE L. K. , Electrochromic and photovoltaic applications of conjugated polymers, Post Graduate, D.Hazar(Student), 2012

TOPPARE L. K. , Synthesis of electroactive benzimidazole derivatives and their electrochromic properties, Post Graduate, A.CAN(Student), 2012

TOPPARE L. K. , Cholesterol biosensors based on polymer networks of chitosan/alginate and chitosan/p(toluenesulfonic acid), Post Graduate, E.YAPAR(Student), 2012

TOPPARE L. K. , ÇIRPAN A., Electrochemical And Optical Properties Of Solution Processable Benzotriazole And Benzothiadiazole Containing Copolymers, Post Graduate, M.Karakuş(Student), 2011

TOPPARE L. K. , ÇIRPAN A., Solution Processable Benzotriazole And Fluorene Containing Copolymers For Photovoltaic Applications, Post Graduate, E.Kaya(Student), 2011

TOPPARE L. K. , Combination of donor characters in donor-acceptor-donor type polymers containing benzothiadiazole and quinoxaline as the acceptor units, Post Graduate, M.ŞENDUR(Student), 2011

TOPPARE L. K. , Spray processable ambipolar benzotriazole bearing electrochromic polymers with multi-colored and transmissive states, Post Graduate, G.HIZALAN(Student), 2011

TOPPARE L. K. , Microwave initiated polymerization of trihalophenyleneoxide and aniline, Post Graduate, F.LEVENT(Student), 2011

TOPPARE L. K. , Toppare L., Dibenzophenazine and quinoxaline derivatives as novel visible photosensitizers for diaryliodonium salts, Post Graduate, M.Kolay(Student), 2011

HACALOĞLU J., TOPPARE L. K. , Investigation of thermal characteristics of a series of polyoxazolines by direct pyrolysis mass spectrometry, Post Graduate, N.ATILKAN(Student), 2011

TOPPARE L. K. , Synthesis of benzimidazole containing donor acceptor electrochromic polymers, Post Graduate, H.ZEKİYE(Student), 2011

TOPPARE L. K. , Syntheses of benzotriazole bearing donor acceptor type random copolymers for full visible light absorption, Post Graduate, G.ÖKTEM(Student), 2011

HACALOĞLU J., TOPPARE L. K. , Electrochemical polymerization of trihaloalkane monomers to form branched C-backbone polymers, Doctorate, Y.NUR(Student), 2011

TOPPARE L. K. , Benzyl functionalized benzotriazole containing conjugated polymers: Effect of substituent position on electrochromic properties and synthesis of crown ether functionalized electrochromic polymers, Doctorate, B.YİĞİTŞOY(Student), 2011

HACALOĞLU J., TOPPARE L. K. , Investigation of thermal characteristics of a series polyoxazolines by direct pyrolysis mass spectrometry, Post Graduate, N.Atilkan(Student), 2011

TOPPARE L. K. , Amperometric microbial and enzymatic biosensors based on conducting polymers, Post Graduate, S.TUNÇAĞIL(Student), 2010

TOPPARE L. K. , Electrochromic and photovoltaic applications of benzotriazole bearing donor acceptor type conjugated polymers, Post Graduate, D.BARAN(Student), 2010

DOĞAN Ö., TOPPARE L. K. , Synthesis of new ferrocenyl substituted quinoxaline derivative monomers, their polymerization and electrochemical behaviors, Post Graduate, Ş.ÖZDEMİR(Student), 2010

TOPPARE L. K. , Amperometric cholesterol and alcohol biosensors based on conducting polymers, Doctorate, Ö.TÜRKARSLAN(Student), 2010

TOPPARE L. K. , Tuning the optoelectronic properties of conjugated polymers via donor-acceptor-donor architectures, Doctorate, S.TARKUÇ(Student), 2010

TOPPARE L. K. , Electrochromic and photovoltaic applications of benzotriazole bearing donor acceptor type conjugated polymers, Post Graduate, D.Baran(Student), 2010

TOPPARE L. K. , Design and synthesis of novel donor-acceptor type monomers and investigation of optoelectronic properties of their polymers, Doctorate, E.KÖSE(Student), 2010

TOPPARE L. K. , Synthesis and electrochromic properties of conducting polymers of 5,8-Di(pyrrol-2-yl)-2,3-di(thiophen-2-yl) quinoxaline and its copolymers, Post Graduate, A.TUBA(Student), 2009

TOPPARE L. K. , Synthesis and electrochromic properties of conducting polymers of 4-(2,5-Di(thiophen-2-yl)-1h-pyrrol-1-yl) benzenamine and their use in electrochromic devices, Post Graduate, E.YILDIZ(Student), 2009

TOPPARE L. K. , Synthesis of benzotriazole bearing donor acceptor type electroactive monomers towards high optical contrast and fast switching electrochromic materials, Post Graduate, A.Balan(Student), 2009

TOPPARE L. K. , Synthesis and electrochromic properties of a multichromic, conducting, soluble polythiophene derivative and its copolymer, Post Graduate, F.ÖZYURT(Student), 2009

TOPPARE L. K. , Novel donor-acceptor type green polymer bearing pyrrole as the donor unit with excellent switching times and very low band gap and its multichromic copolymers, Post Graduate, S.ÇELEBİ(Student), 2009

TOPPARE L. K. , The synthesis of donor-acceptor type electroactive monomers bearing pyrrole and selenophene as the donor moieties and their polymers, Post Graduate, B.EPİK(Student), 2009

TOPPARE L. K. , Realization of neutral state green polymeric materials, Post Graduate, A.DURMUŞ(Student), 2009

TOPPARE L. K. , Biosensor based on interpenetrated polymer network of alginic acid and poly (1-vinylimidazole), Post Graduate, M.KARTAL(Student), 2008

TOPPARE L. K. , Electrochromism with selenophene derivatives, Post Graduate, K.AYDEMİR(Student), 2008

TOPPARE L. K. , Synthesis of a new conducting polymer based on functionalized anthracene and its uses as an electrochromic device component, Post Graduate, A.GÜL(Student), 2008

TOPPARE L. K. , A new p and n dopable selenophene derivative and its electrochromic properties, Post Graduate, G.ARDAHAN(Student), 2008

TOPPARE L. K. , Synthesis and characterization of conducting copolymers of thiophene ended poly (ethyleneoxide): Their electrochromic properties and use in enzyme immobilization, Doctorate, H.BEKİR(Student), 2007

TOPPARE L. K. , Novel donor-acceptor type polymers towards excellent neutral state green polymeric materials for realization of RGB based electrochromic device applications, Post Graduate, G.EMRULLAH(Student), 2007

TOPPARE L. K. , Synthesis, characterization and electrochromic properties of conducting copolymers of terephthalic acid bis-(thiophen-3-ylmethyl)thioester with thiophene and pyrrole and conducting polymer of 1-(4-fluorophenyl)-2,5-di(thiophen-2-yl)-1H-pyrrole, Post Graduate, Ö.Türkarslan(Student), 2006

TOPPARE L. K. , Immobilization of tyrosinase in polysiloxane/polypyrrole copolymer matrices, Post Graduate, A.ARSLAN(Student), 2006

TOPPARE L. K. , Syntheses of conducting polymers of 3-ester substituted thiophenes and characterization of their electrochromic properties, Doctorate, P.ÇAMURLU(Student), 2006

TOPPARE L. K. , Synthesis of a new thiophene derivative and its uses as an electrochromic device component, Post Graduate, B.YİĞİTİSOY(Student), 2006

TOPPARE L. K. , Synthesis and characterization of a new soluble polythiophene derivative and its electrochromic application, Post Graduate, S.TARKUÇ(Student), 2006

TOPPARE L. K. , Activity analysis of immobilized tyrosinase enzyme in the presence of different inhibitors, Post Graduate, I.NARLI(Student), 2006

TOPPARE L. K. , Synthesis of polythiophene and polypyrrole derivatives and their application in electrochromic devices, Doctorate, M.AK(Student), 2006

TOPPARE L. K. , Synthesis and electrochromic properties of conducting polymers of 1-(4-nitrophenyl)-2,5-di(2-thienyl)-1H-pyrrole and their use in electrochromic devices, Post Graduate, S.VARIŞ(Student), 2006

TOPPARE L. K. , Immobilization of glucose oxidase and polyphenol oxidase in conducting copolymer of pyrrole functionalized polystyrene with pyrrole, Post Graduate, O.Ekinci(Student), 2006

TOPPARE L. K. , Synthesis and electrochromic properties of conducting polymers of succinic acid bis-(2-thiophen-3-yl-ethyl) ester and their use in electrochromic devices, Post Graduate, L.SAÇAN(Student), 2006

TOPPARE L. K. , Synthesis and electrochromic properties of conducting polymers of 1-(4-nitrophenyl)-2,5-di(2-thienyl)-1H-pyrrole and their use in electrochromic devices, Post Graduate, S.Variş(Student), 2006

TOPPARE L. K. , Synthesis, characterization and electrochromic properties of conducting copolymers of terephthalic acid bis-(thiophen-3-ylmethyl)thioester and conducting polymer of 1-(4-fluorophenyl)-2,5-di(thiophen-2-yl)-1H-pyrrole, Post Graduate, Ö.TÜRKARSLAN(Student), 2006

TOPPARE L. K. , Activity analysis of immobilized tyrosinase in the presence of different inhibitors, Post Graduate, I.Narlı(Student), 2006

TOPPARE L. K. , Immobilization of glucose oxidase and polyphenol oxidase in poly(n-(4-(3-thienyl methylene)-oxycarbonylphenyl) maleimide)-co-pyrrole) matrice, Post Graduate, M.ÇİL(Student), 2006

TOPPARE L. K. , Immobilization of glucose oxidase and polyphenol oxidase in conducting copolymer of pyrrole functionalized polystyrene with pyrrole, Post Graduate, O.EKİNCİ(Student), 2006

TOPPARE L. K. , Immobilization of invertase, polyphenol oxidase and glucose oxidase in conducting copolymers of thiophene-capped polytetrahydrofuran and pyrrole, Doctorate, A.ELİF(Student), 2005

TOPPARE L. K. , Immobilization of invertase, polyphenol oxidase and glucose oxidase n conducting copolymers of

thiophene-capped polytetrahydrofuran and pyrrole, Doctorate, A.Elif(Student), 2005

TOPPARE L. K. , Synthesis and electrochromic properties of conducting copolymers of dioxocino -and dithiocino- quinoxalines with bithiophene, Post Graduate, Ş.BEYAZYILDIIM(Student), 2005

TOPPARE L. K. , Synthesis of conducting polymers of terephthalic acid bis-(2- thiophen-3-YL-ethyl) ester and investigation of their electrochromic properties, Post Graduate, Y.COŞKUN(Student), 2004

HACALOĞLU J., TOPPARE L. K. , Characterization of conducting polymers of ester linkage containing thiophene derivatives via mass spectroscopy, Post Graduate, E.ASLAN(Student), 2004

TOPPARE L. K. , Synthesis of block conducting copolymers of cholesteryl functionalized thiophene and their use in the immobilization of cholesterol oxidase, Doctorate, A.Çırpan(Student), 2004

TOPPARE L. K. , Synthesis of conducting block copolymers and their use in the immobilization of invertase and polyphenol oxidase enzymes, Doctorate, S.KIRALP(Student), 2004

TOPPARE L. K. , Synthesis and characterization of poly(oxalic acid dithiophen-3-yl methyl ester) and thiophene ended poly-caprolactone, Post Graduate, İ.Kerman(Student), 2004

TOPPARE L. K. , Synthesis of block conducting copolymers of cholesteryl functionalized thiophene and their use in the immobilization of cholesterol oxidase, Doctorate, A.ÇIRPAN(Student), 2004

TOPPARE L. K. , İletken aşı kopolimerlerin sentezi ve bunların enzim tutkama matrisleri olarak kullanımları, Doctorate, E.ŞAHMETLİOĞLU(Student), 2004

TOPPARE L. K. , ÖZKAN İ., Quantum chemical study of geometries and electronic structures of aromatic five-membered heterocyclic oligomers in the ground and lowest singlet excited states, Post Graduate, N.ÖKSÜZ(Student), 2004

TOPPARE L. K. , Synthesis of conducting polymers of terephthalic acid bis-(2-thiophen-3-yl-ethyl)ester and investigation of their electrochromic properties, Post Graduate, Y.Coşkun(Student), 2004

TOPPARE L. K. , Synthesis and characterization of poly(oxalic acid dithiophen-3-Yl methly ester) and thiophene ended poly-?-caprolactone, Post Graduate, İ.KERMAN(Student), 2004

TOPPARE L. K. , Synthesis and characterization of conducting copolymers of thiophene functionalized monomers and polymers, Post Graduate, Ö.Papila(Student), 2003

TOPPARE L. K. , Synthesis of thiophene capped polytetrahydrofuran conducting copolymers, Post Graduate, E.ÜNÜR(Student), 2003

HACALOĞLU J., TOPPARE L. K. , Synthesis of conducting copolymer of succinic acid bis-(pyrrolyl-phenyl) ester with thiophene, Post Graduate, M.ERTAŞ(Student), 2003

TOPPARE L. K. , Synthesis and characterization of thiophen-3-yl-acetic acid 4-pyrrol-1-yl-phenyl ester and its conducting polymers, Post Graduate, B.BİNGÖL(Student), 2003

TOPPARE L. K. , Synthesis and characterization of a random copolymer having variable thiophene units on the backbone, Post Graduate, Y.GÜNER(Student), 2003

TOPPARE L. K. , Synthesis and characterization of conducting copolymers of carboxylic acid multithiophene functionalized monomers, Post Graduate, U.BULUT(Student), 2003

TOPPARE L. K. , Synthesis characterization of conducting copolymers of thiophene functionalized monomers and polymers, Post Graduate, Ö.PAPİLA(Student), 2003

TOPPARE L. K. , YILMAZ L., Gas permeation properties of poly (arylene ether ketone) and its mixed matrix membranes with polypyrrole, Post Graduate, G.MERGEN(Student), 2003

TOPPARE L. K. , YILMAZ L., Gas permeation properties of poly(arylene ether ketone) and its mixed matrix membranes with polypyrrole, Post Graduate, G.Mergen(Student), 2003

TOPPARE L. K. , Immobilization of invertase and glucose oxidase in poly 2-methylbutyl-2-(3-thienyl) acetate/ polypyrrole matrices, Post Graduate, S.İŞİK(Student), 2002

TOPPARE L. K. , Immobilization of invertase and glucose oxidase in conducting m-type polysiloxane/ polypyrrole block copolymer matrices, Post Graduate, A.GÜRSEL(Student), 2002

TOPPARE L. K. , Toppare L., Conducting block copolymers of thiophene-capped poly(methyl methacrylate) with pyrrole and their uses in immobilization of enzymes, Doctorate, S.Alkan(Student), 2002

HACALOĞLU J., TOPPARE L. K. , Synthesis of blocks copolymers of (S)-2-methylbutyl 2-(3-thienyl) acetate and its characterization via pyrolysis mass spectrometry, Post Graduate, A.LEVENT(Student), 2002

TOPPARE L. K. , Investigation of pyrrole end capped polytetrahydrofuran graft copolymers via mass spectrometry, Post Graduate, C.ÖZDİLEK(Student), 2001

TOPPARE L. K. , YILMAZ L., Effect of preparation parameters on performance of dense homogeneous polycarbonate and polypyrrole-polycarbonate mixed matrix membranes, Post Graduate, P.HACARLIOĞLU(Student), 2001

TİNCER İ. T. , TOPPARE L. K. , Mechanical properties of graft copolymers of polypyrrole, Post Graduate, C.BİRAN(Student), 2001

TOPPARE L. K. , Synthesis and characterization of conducting polysiloxane-polypyrrole graft copolymers, Post Graduate, Ö.GÜNAYDIN(Student), 2001

AKBULUT U, TOPPARE L. K. , Immobilization of saccharomyces cerevisiae in graft copolymers of pyrrole, Post Graduate, Z.BALCI(Student), 2001

TİNCER İ. T. , TOPPARE L. K. , Preparation of a conducting flexible material from silane coupling agent and hydroxyl terminated polybutadiene rubber by hydrolysis and condensation., Post Graduate, Y.KARATAŞ(Student), 2001

TOPPARE L. K. , Immobilization of glucose oxidase enzyme in conducting graft copolymers of pyrrole, Post Graduate, S.TİRKEŞ(Student), 2001

TOPPARE L. K. , Immobilization of invertase in pyrrole capped polyazotetrahydrofuran/polypyrrole and polytetrahydrofuran-block-polystyrene/polypyrrole conducting gr..., Post Graduate, R.ERGİNER(Student), 2000

TOPPARE L. K. , Synthesis of conducting graft copolymers of 2-(N-pyrrolyl)ethylvinylether with pyrrole, Post Graduate, B.BENGÜ(Student), 2000

HACALOĞLU J., TOPPARE L. K. , Structural investigation of conducting polymer graft of pyrrole via mass spectrometry, Post Graduate, T.JYAR(Student), 2000

TOPPARE L. K. , Conducting graft copolymers of polytetrahydrofuran polystyrene with polypyrrole, Post Graduate, S.ÖZTEMİZ(Student), 1999

TOPPARE L. K. , Conducting polymers of N-pyrrolyl ethyvinyl ether and polysiloxanes, Post Graduate, E.KALAYCIOĞLU(Student), 1999

TOPPARE L. K. , Conducting copolymers of polypyrrole/polytetrahydrofuran and immobilization of invertase in these matrices, Post Graduate, N.KIZILYAR(Student), 1998

TOPPARE L. K. , Conducting polymers and composites of pyrrole and their uses as sensors, Doctorate, F.SELAMPINAR(Student), 1997

TOPPARE L. K. , Conducting polymer composites of polypyrrole and polyindene, Post Graduate, A.BOZKURT(Student), 1996

AKBULUT U, TOPPARE L. K. , Electrochemically obtained insulating and conducting polymers and composites of acrylonitrile, Doctorate, B.YURTTAŞ(Student), 1996

TOPPARE L. K. , Semiempirical calculations on the polymerization mechanism of thioether and some derivatives, Post Graduate, G.KILIÇ(Student), 1995

AKBULUT U, TOPPARE L. K. , Synthesis of polythiophene conducting polymer composites, Post Graduate, F.VATANSEVER(Student), 1995

TOPPARE L. K. , A Theoretical investigation of the interaction between conducting and insulating polymers, Post Graduate, S.BAHÇECİ(Student), 1995

TOPPARE L. K. , Synthesis of polypyrrole conducting polymer composites, Post Graduate, F.SELAMPINAR(Student), 1993

TOPPARE L. K. , Electroinitiated polymerization of acrylamide, acrolein and copolymerization., Doctorate, B.HACIOĞLU(Student), 1988

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Highly conjugated visible and near-infrared light photoinitiating systems for radical and cationic polymerizations**
 Suerkan A., Alkan E. A. , Kaya K., UDUM Y., TOPPARE L. K. , Yağcı Y.
 Progress in Organic Coatings, vol.154, 2021 (Journal Indexed in SCI Expanded)
- II. **Altering Electronic and Optical Properties of Novel Benzothiadiazole Comprising Homopolymers via pi Bridges**
 Karaman C., Goeker S., Hacıoğlu S. O. , Hacıfendioglu T., YILDIRIM E., TOPPARE L. K.
 JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.168, no.3, 2021 (Journal Indexed in SCI)

- III. **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. , Soylemez S., GÜNBAŞ E. G.
Polymer, vol.212, 2021 (Journal Indexed in SCI Expanded)
- IV. **Indenoquinoxaline based conjugated polymer substrate for laccase biosensor**
Cevher Ş. C. , Bekmezci S. A. , SaniyeSoylemez S., Udum Y. A. , Toppare L. K. , ÇIRPAN A.
MATERIALS CHEMISTRY AND PHYSICS, vol.257, 2021 (Journal Indexed in SCI)
- V. **Construction of amperometric biosensor modified with conducting polymer/carbon dots for the analysis of catechol**
Yasa M., Deniz A., Forough M., YILDIRIM E., PERSİL ÇETİNKOL Ö., Udum Y. A. , TOPPARE L. K.
Journal of Polymer Science, vol.58, no.23, pp.3336-3348, 2020 (Journal Indexed in SCI Expanded)
- VI. **Construction of amperometric biosensor modified with conducting polymer/carbon dots for the analysis of catechol**
Yaşa M., Deniz A., Forough M., Yildirim E., Cetinkol O. P. , Arslan Udum Y., Toppare L. K.
JOURNAL OF POLYMER SCIENCE, vol.58, pp.3336-3348, 2020 (Journal Indexed in SCI)
- VII. **Electrical characteristics of organic heterojunction with an alternating benzotriazole and fluorene containing copolymer**
Gullu H., Yildiz D., TOPPARE L. K. , ÇIRPAN A.
Journal of Materials Science: Materials in Electronics, vol.31, no.21, pp.18816-18831, 2020 (Journal Indexed in SCI)
- VIII. **A comprehensive study: Theoretical and experimental investigation of heteroatom and substituent effects on frontier orbitals and polymer solar cell performances**
Cevher Ş. C. , Hizalan G., Alemdar Yilmaz E., Cevher D., Udum Arslan Y., Toppare L., Yıldırım E., Çırpan A.
JOURNAL OF POLYMER SCIENCE, vol.58, no.19, pp.2792-2806, 2020 (Journal Indexed in SCI)
- IX. **Tailoring optoelectronic properties of thieno[3,2-b]thiophene comprising homopolymers via electron acceptor moieties: thienopyrrolodione, 2,1,3-benzoselenadiazole, isoindigo**
Göker S., Sarigül H., Toppare L. K.
Journal of Electroanalytical Chemistry, vol.873, 2020 (Journal Indexed in SCI)
- X. **Narrow band gap benzodithiophene and quinoxaline bearing conjugated polymers for organic photovoltaic applications**
Caliskan M., Erer M. C. , Aslan S., Udum Y. A. , Toppare L., Çırpan A.
Dyes and Pigments, vol.180, 2020 (Journal Indexed in SCI Expanded)
- XI. **Analysis of temperature-dependent forward and leakage conduction mechanisms in organic thin film heterojunction diode with fluorine-based PCBM blend**
Yildiz D. E. , Gullu H. H. , Toppare L., Çirpan A.
Journal of Materials Science: Materials in Electronics, vol.31, no.18, pp.15233-15242, 2020 (Journal Indexed in SCI Expanded)
- XII. **Enhancing electrochemical and electrochromic performances of carbazole comprising monomer via copolymerization with 3,4-ethylenedioxythiophene (EDOT)**
Kalay I., Yigit D., GÜLLÜ M., DEPCI T., Toppare L., Hacıoglu S. O.
SYNTHETIC METALS, vol.267, 2020 (Journal Indexed in SCI)
- XIII. **Synthesis, electrochromic characterization and solar cell application of thiophene bearing alternating copolymers with azobenzene and coumarin subunits**
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Activities in Scientific Journals

Turkish Journal of Chemistry, Advisory Committee Member, 2010 - Continues

Macedonian Journal Of Chemistry And Chemical Engineering, Committee Member, 2010 - Continues

Memberships / Tasks in Scientific Organizations

Bilim Akademisi, Member, 2012 - Continues

Scientific Refereeing

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Scientific Consultations

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Edit Congress and Symposium Activities

SYNTHESES OF 2,1,3-BENZOTHIADIAZOLE COMPRISING POLYMERS:THE EFFECT OF DISCRETE FUNCTIONAL GROUPS ON DEVICE PERFORMANCE AND OPTOELECTRONIC PROPERTIES, Attendee, İstanbul, Turkey, 2019

Synthesis and Characterization of a Quinoxaline and Benzodithiophene Comprising Multifunctional Polymer, Attendee, İstanbul, Turkey, 2019

Benzimidazole Derivatives and Their Electrochemical Applications, Attendee, İstanbul, Turkey, 2019

ELECTROCHEMICAL AND BIOSENSING APPLICATION OF ANTHRACENE-BASED CONJUGATED POLYMER , Attendee, Çanakkale, Turkey, 2019

AMPEROMETRIC ETHANOL BIOSENSOR CONSTRUCTED BY CARBON NANOTUBES AND A FLUORENE BASED POLYMER, Attendee, Çanakkale, Turkey, 2019

Glucose Oxidase Immobilization on Thiazolothiazole Containing Multichromic Polymer Matrice for Glucose Detection , Attendee, İstanbul, Turkey, 2019

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