

## Prof. Nilgün Kızılcan

### Personal Information

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### Biography

Nilgün Kızılcan is currently a Lecturer and Researcher in the Organic Chemistry group in Chemistry Department, Nano Science & Nano Technology Programmers and Polymer Science and Technology Programmers at Istanbul Technical University. She obtained her BSc in Chemical Engineering Department in 1986, her MSc and PhD degrees in chemistry at the same university in 1990 and 1995, respectively. She has published 58 research papers and 17 full abstract in proceeding book, 52 national and 56 international presentations. She was 24 completed research project coordinators, 5 PhD thesis supervisors, 29 MSc thesis supervisors. She wrote book chapters in 1 book

She specializes in resins, conducting polymer and copolymers, rubber and elastomers.

### Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1990 - 1995

Postgraduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI), Turkey 1988 - 1990

Undergraduate, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1982 - 1986

### Foreign Languages

English

### Research Areas

Basic Sciences, Chemistry, Physical Chemistry, Rubber Industry, nanocomposites, adhesives, High Performance Polymers, Organic Chemistry, Chemistry of Natural Products, Chemistry of Hydrocarbons, Carbohydrate Chemistry, Chemistry of Macromolecules, Organic Reaction Mechanisms, Organic Spectroscopy, Free Radicals

### Academic Titles / Tasks

Professor, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2012 - Continues

Associate Professor, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1999 - 2011

Assistant Professor, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1996 - 1999

Research Assistant, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1988 - 1996

### Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Polimer Bilimi Ve Teknolojisi Programı, Polimer Bilimi Ve Teknolojisi Programı, 2015 - Continues

İstanbul Teknik Üniversitesi, Fen Bilimleri Kimya Programı Yürütme Kurulu Üyeliği, Kimya, 2012 - 2015

İstanbul Teknik Üniversitesi, İtü, Fen-Edebiyat Fakültesi, Kimya Bölümü Lisans Ve Yüksek Lisans Ders Görevlendirme Komisyonu, Kimya, 2010 - 2012  
İstanbul Teknik Üniversitesi, Tü, Fen-Edebiyat Fakültesi, Kimya Bölümü Lisans Kim101 Ve Kim101e Sınav Komisyonu Üyeliği, Kimya, 2008 - 2010  
İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2007 - 2008  
İstanbul Teknik Üniversitesi, İtü, Fen-Edebiyat Fakültesi, Mezunlar Komisyonu Üyesi, Kimya, 2006 - 2008  
İstanbul Teknik Üniversitesi, Fen Bilimleri Kimya Programı Yürütme Kurulu Üyeliği, Organik Kimya, 2002 - 2006  
İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2001 - 2003  
İstanbul Teknik Üniversitesi, Fen Ed. Fak. Fak. Kurulu Seçilmiş Üyesi , Fakülte Kurulu Üyesi , 2000 - 2003

## Courses

PST 531ERUBBER ELASTOMERS& THEIR APPLİCATIONS, Postgraduate, 2016 - 2017  
KIM341 ORGANİK KİMYA LI LABORATUARI, Undergraduate, 2016 - 2017

## Advising Theses

Kızılcan N., Glycoluril derivatives and usage in polyurethane, Postgraduate, İ.ELMAS(Student), 2019  
Kızılcan N., Ketonic resin-polyppyrrole copolymers, Postgraduate, G.KURTULMUŞ(Student), 2019  
Kızılcan N., POLİPİROLÜN TİYENİL UÇ GRUPLU POLİ (DİMETİLSİLOKSAN) İLE FeCl<sub>3</sub> VARLIĞINDA KOPOLİMERİZASYONU, Postgraduate, D.Bademci(Student), 2018  
Kızılcan N., PRODUCTION OF MICROPOROUS POLYPROPYLENE BREATHABLE FILMS, Postgraduate, J.Filiz(Student), 2018  
Kızılcan N., SYNTHESIS, CHARACTERIZATION OF PVC-GRAFT-CALIXARENE MOLECULES AND INVESTIGATION OF INTERACTIONS OF SAW TRANSDUCERS WITH VOLATILE ORGANIC COMPOUNDS, Postgraduate, Z.Genç(Student), 2018  
Kızılcan N., GLİKOLÜRİL, OLİGOMERLERİ VE TÜREVLERİ, Postgraduate, E.Tunçel(Student), 2017  
Kızılcan N., REACTION OF ACETOPHENONE-FORMALDEHYDE RESIN WITH s-TRIAZONE COMPOUNDS FOR FIRE RESISTANCE POLYURETHANE, Postgraduate, M.Mutlu(Student), 2017  
Kızılcan N., Synthesis and Characterization of Bio Based Polyurethane Materials for Surface Coatings, Postgraduate, M.Metin(Student), 2016  
Kızılcan N., Modifiye ketonik reçinelerin poliüretan üretiminde kullanılması, Postgraduate, L.YUSUF(Student), 2016  
Kızılcan N., Synthesis And Characterization Of Methyl Ethyl Ketone Formaldehyde Resins Including Boron, Postgraduate, H.Çöçen(Student), 2015  
Kızılcan N., Pirol Kopolimerleri Sentezi, Doctorate, E.Ateş(Student), 2015  
Kızılcan N., Nano composite of clay modified ketonic resin as fire retardant polyol for polyurethane, Postgraduate, D.YILDIRIM(Student), 2015  
Kızılcan N., Synthesis of composite resol resins and application for glass wool production, Postgraduate, Ü.BURCU(Student), 2015  
Kızılcan N., Preparation and characterization of chitosan/polyppyrrole/clay nanocomposites, Postgraduate, S.SEZİN(Student), 2015  
Kızılcan N., Fonksiyonel amin bileşikleriyle modifiye ketonik reçine sentezi, Postgraduate, M.ALİ(Student), 2015  
Kızılcan N., Synthesis Of Acrylic Emulsion Polymers And Using In Paint Formulation, Postgraduate, E.KIRIMLI(Student), 2014  
Kızılcan N., Keton/ Aldehit Reçinelerinin Mürekkep Üretiminde Kullanımı, Postgraduate, Z.Köknaoğlu(Student), 2014  
Kızılcan N., Synthesis of Pomace Composite Resin, Postgraduate, D.Ertürk(Student), 2014  
Kızılcan N., Fenil Asetilen Modifiye Reçineler Sentezi, Postgraduate, B.ERSON(Student), 2014  
Kızılcan N., Çeşitli bisfenollerden polisülfon sentezi ve karakterizasyonu, Postgraduate, E.Erkman(Student), 2014  
Kızılcan N., Preparation Of Color Removing Chitosan Composites And Assessments On Adsorption Kinetics, Postgraduate, Z.Ceren(Student), 2014  
Kızılcan N., Preparation Of Chitosan-Zeolite Composites For Adsorption Of Textile Dyes And Analyses Of Adsorption

Kinetics, Postgraduate, E.KILIÇ(Student), 2014

Kızılcan N., Synthesis and Characterization of Silicate Nanocomposites Containing Polyurethane / Cyclohexanone Formaldehyde Copolymers, Postgraduate, G.Çiçek(Student), 2013

Kızılcan N., In situ Preparation of Cyclohexanone Formaldehyde Resin / Layered Silicate Nanocomposites, Postgraduate, M.Mermutlu(Student), 2012

Kızılcan N., The synthesis and Characterization of Nanocomposite Resins, Postgraduate, G.ÖZKARAMAN(Student), 2012

Kızılcan N., The synthesis and Characterization of Modified Resins., Postgraduate, P.Dinçer(Student), 2012

Kızılcan N., Siklohekzanon Formaldehit Reçinesinin Tiyofen Karbonilklorür ile Modifikasyonları, Postgraduate, M.İSTİF(Student), 2011

Kızılcan N., Synthesis of Star Copolymer Based on Multifunctional Initiators, Postgraduate, N.Başak(Student), 2008

Kızılcan N., Siklohekzanon-Formaldehit Reçinesinin Karbazol-9-Karbonil Klorür ile Modifikasyonu ve Polimerizasyonu, Postgraduate, B.Hocaoğlu(Student), 2007

Kızılcan N., Vinil Monomerleri ile Poli(dimetil siloksan) Kopolimer Sentezi, Postgraduate, S.Karagöz(Student), 2006

Kızılcan N., Anilin ve oligoanilinler varlığında iletken polimer ve kopolimerleri Sentezi, Postgraduate, N.Çeçen(Student), 2005

Kızılcan N., Anilin ve Oligoanilinlerle Modifiye İletken Ketonik Reçineler Sentezi, Postgraduate, E.Ateş(Student), 2005

Kızılcan N., Fotoaktif Reçine Sentezi ve Kopolimerleşmede Kullanımı, Postgraduate, S.ERGUN(Student), 2005

Kızılcan N., İletken Özellikli Ketonik Reçineler Sentezi, Postgraduate, Ö.TAMKÜPELİ(Student), 2004

Kızılcan N., Soluble and Conducting Polypyrrole Copolymers, Postgraduate, B.KIŞKAN(Student), 2002

## Jury Memberships

Post Graduate, İTÜ Fen Bilimler PST Yüksek Lisans Tez savunması Selin Portakal , İTÜ Fen Bilimler PST Yüksek Lisans Tez savunması Selin Portakal , June, 2018

Post Graduate, İTÜ Fen Bilimleri Polimer Bilim ve Teknolojisi Anabilim Dalı YL Tez Savunma Jürisi, İstanbul Teknik Üniversitesi Sinem Özmen YL Tez savunma Sınavı, June, 2018

Associate Professor Exam, 2017 Nisan Doçentlik Eser İnceleme, 2017 Nisan Doçentlik Eser İnceleme, June, 2018

Post Graduate, Yüksek Lisans Tez savunması, Trakya Üniversitesi , June, 2018

Associate Professor Exam, 2017 Nisan Doçentlik Eser İnceleme Yasin Çetinkaya, 2017 Nisan Doçentlik Eser İnceleme Yasin Çetinkaya, June, 2018

Doctoral Examination, İstanbul Üniversitesi Fen bilimleri Enst. Doktora Yeterlilik , İstanbul Üniversitesi Fen bilimleri Enst.Doktora Yeterlilik , May, 2018

Associate Professor Exam, Doçentlik eser İnceleme, 2017 Nisan Dönemi Doçentlik Eser İnceleme Dr. ERSİN ORHAN , May, 2018

Doctoral Examination, Trakya Üniversitesi Kimya Doktora Yeterlilik , Trakya Üniversitesi Fen Bilimler Ens. Kimya Bölümü Doktora Yeterlilik , May, 2018

Appointment Academic Staff, Doçentlik Kadro Atama, Trakya Üniversitesi , April, 2018

Doctorate, DOKTORA TEZ SAVUNMA JÜRİSİ , İTÜ Fen Bilimleri Kimya , , April, 2018

Post Graduate, Duygu BAYRAM YL tez Sınavı , İTÜ Fen Bilimleri Ens. PST /Duygu BAYRAM YL tez Sınavı , December, 2017

Post Graduate, Yüksek Lisans Tez Sınavı Jüri Üyeliği, Hanifi Akyurt. İTÜ Fen Bilimleri Ens. PST., December, 2017

Associate Professor Exam, Doçentlik Eser İnceleme Asil Jüri Üyeliği, Doçentlik eser İnceleme, December, 2017

Post Graduate, Preperation of Novel Metal Oxide Nanostructures for Electrode Based Sensor Systems, İstanbul Üniversitesi /Mawada Mohamed E. Tunesi YL Tez Sınavı, December, 2017

Doctorate, Elvira BABAYEVA Doktora Tez Savunma Sınavı, İstanbul Üniversitesi Fen Bilimleri En. Müh. Fak/Elvira BABAYEVA Doktora Tez , October, 2017

Doctorate, Şenol YAVUZ Doktora tez savunma sınavı, İstanbul Üniversitesi Fen Bilimleri En. Müh. Fak. , October, 2017

Post Graduate, Zeynep Songur. İTÜ Fen Bilimleri Ens. PST YL Tez Sınavı , İTÜ Fen Bilimleri Ens. PST Programı/ Zeynep Songur.YL Tez Sınavı , May, 2017

Post Graduate, YL tez sınavı, İstanbul Teknik Üniversitesi , December, 2013

Appointment Academic Staff, Profesörlük Kadrosuna Atama, Trakya Üniversitesi , December, 2013

Doctorate, Canan Bural Doktora Tez Savunma Sınavı Sağlık Bilimleri Dış Hekimliği, İstanbul Üniversitesi , September, 2005

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

- I. **Preparation of thermal conductive Poly(methyl methacrylate)/Silicon nitride nanocomposites via click chemistry**  
Semerci E., Bedri T. E. , Kızılcan N.  
POLYMER, vol.212, 2021 (Journal Indexed in SCI)
- II. **Tris (1-chloro-2-propyl) phosphate (TCPP) microcapsules for the preparation of flame-retardant rigid polyurethane foam**  
Ulku G., Köken N., Akar A., Kızılcan N., Yaman D.  
POLYMER-PLASTICS TECHNOLOGY AND MATERIALS, 2020 (Journal Indexed in SCI)
- III. **Polymers of vinylphosphonic acid, acrylonitrile, and methyl acrylate and their nanofibers**  
Yılmaz M., Akar A., Köken N., Kızılcan N.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.137, no.35, 2020 (Journal Indexed in SCI)
- IV. **Electrochemical synthesis and characterization of copolymers of N-vinyl carbazole and methyl ethyl ketone formaldehyde resin**  
Ustamehmetoğlu B., Köken N., Kızılcan N., Akar A., Tayyar S.  
PIGMENT & RESIN TECHNOLOGY, 2020 (Journal Indexed in SCI)
- V. **Novel environmentally friendly tannin-cyclohexanone formaldehyde resin for high performance applications**  
Kızılcan N., Sert S.  
PIGMENT & RESIN TECHNOLOGY, vol.49, no.2, pp.96-101, 2019 (Journal Indexed in SCI)
- VI. **Isocyanuric acid-modified cyclohexanone-formaldehyde resins for fire-retardant polyurethane**  
Yivlik Y., Kızılcan N., Akar A.  
PIGMENT & RESIN TECHNOLOGY, vol.49, no.2, pp.119-126, 2019 (Journal Indexed in SCI)
- VII. **Synthesis And Characterization Of Bio Based Polyurethane Surface Coating Materials**  
METİN M., Kızılcan N., Yeşilçubuk A.  
INTERNATIONAL JOURNAL, vol.1, no.1, pp.61-65, 2017 (Journal Indexed in SCI)
- VIII. **Characterization of nanocomposite resol resins: Individual/synergist effects of alendronic acid and sepiolite**  
Alkan U. B. , Kızılcan N.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.133, no.33, 2016 (Journal Indexed in SCI)
- IX. **Polypyrrole-vinyl aniline modified cyclohexanone formaldehyde resin copolymers: a comparative study of the resin preparation**  
Guvel E. A. , Kızılcan N.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.133, no.1, 2016 (Journal Indexed in SCI)
- X. **Nano Composite of Clay and Modified Ketonic Resin as Fire Retardant Polyol for Polyurethane**  
Önen D., Kızılcan N., Yıldız B., Akar A.  
World Academy of Science and Technology, International Journal of Chemical, NUCLEAR TECHNOLOGY, Metallurgical and Materials Engineering, vol.9, no.2, pp.142-145, 2015 (Journal Indexed in SCI)
- XI. **New comonomer synthesis from thiophene-2-carbonyl chloride and cyclohexanone formaldehyde resin**  
Ates E., Kızılcan N., İSTİF M.  
PIGMENT & RESIN TECHNOLOGY, vol.44, no.2, pp.79-86, 2015 (Journal Indexed in SCI)
- XII. **Novel phenylacetylene based ketonic resins**  
Kızılcan N., ERSON B.  
PIGMENT & RESIN TECHNOLOGY, vol.44, no.4, pp.198-204, 2015 (Journal Indexed in SCI)

- XIII. **Novel comonomer synthesis from thiophene-2-carbonyl chloride and polydimethylsiloxane modified cyclohexanone formaldehyde resin**  
Kızılcan N., İstif M.  
PIGMENT & RESIN TECHNOLOGY, vol.43, no.5, pp.277-284, 2014 (Journal Indexed in SCI Expanded)
- XIV. **In Situ Preparation of Cyclohexanone Formaldehyde Resin/Layered Silicate Nanocomposites**  
Kızılcan N., Mermutlu M.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.131, no.6, 2014 (Journal Indexed in SCI)
- XV. **In Situ preparation of resol/clay nanocomposites**  
Kızılcan N., OZKARAMAN G.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.129, no.5, pp.2966-2976, 2013 (Journal Indexed in SCI)
- XVI. **In situ modification of cyclohexanone formaldehyde resin with boric acid for high-performance applications**  
Kızılcan N., DINCER P.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.129, no.5, pp.2813-2820, 2013 (Journal Indexed in SCI)
- XVII. **Chain extended 4-Vinyl aniline modified cyclohexanone formaldehyde resins**  
Ateş E., Kızılcan N.  
PIGMENT & RESIN TECHNOLOGY, vol.42, no.4, pp.247-255, 2013 (Journal Indexed in SCI Expanded)
- XVIII. **Inhibition of pyrite corrosion and photocorrosion by MEKF-R modified carbazoles**  
Ustamehmetoglu B., SEZER E., KIZILCAN N., YAZICI P., TAYYAR S., SARAC A. S.  
PROGRESS IN ORGANIC COATINGS, vol.76, no.4, pp.533-540, 2013 (Journal Indexed in SCI)
- XIX. **Preparation of urea formaldehyde resin/layered silicate nanocomposites**  
Ateş E., UYANIK N., Kızılcan N.  
PIGMENT & RESIN TECHNOLOGY, vol.42, no.5, pp.283-287, 2013 (Journal Indexed in SCI)
- XX. **Chain extended vinyl aniline modified cyclohexanone formaldehyde resin**  
Kızılcan N., Ateş E.  
PIGMENT & RESIN TECHNOLOGY, vol.42, no.4, pp.247-255, 2013 (Journal Indexed in SCI)
- XXI. **4-Vinyl aniline modified cyclohexanone formaldehyde resins**  
ATEŞ Güvel E., Kızılcan N.  
PIGMENT & RESIN TECHNOLOGY, vol.41, pp.210-215, 2012 (Journal Indexed in SCI Expanded)
- XXII. **Synthesis of cyclohexanone formaldehyde resin-methylmethacrylate block-graft copolymers via ATRP**  
Canak T., KIZILCAN N., Serhatlı İ. E.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.123, no.5, pp.2628-2635, 2012 (Journal Indexed in SCI)
- XXIII. **Carbazole modified ketonic resins**  
Kızılcan N., KOSAR O. T.  
PIGMENT & RESIN TECHNOLOGY, vol.41, no.2, pp.81-90, 2012 (Journal Indexed in SCI)
- XXIV. **Copolymers of carbazoles and methyl ethyl ketone formaldehyde resin**  
Ustamehmetoglu B., AKAR A., KIZILCAN N., KELLEBOZ E.  
PIGMENT & RESIN TECHNOLOGY, vol.41, no.1, pp.25-33, 2012 (Journal Indexed in SCI)
- XXV. **Electrocopolymerization of pyrrole with bis(4-aminobutyl)polydimethylsiloxane**  
Ustamehmetoglu B., KIZILCAN N., DEMİR O.  
PIGMENT & RESIN TECHNOLOGY, vol.41, no.3, pp.179-186, 2012 (Journal Indexed in SCI)
- XXVI. **Vinyl aniline modified cyclohexanone formaldehyde resins**  
Ateş E., Kızılcan N.  
PIGMENT & RESIN TECHNOLOGY, vol.41, no.4, pp.210-215, 2012 (Journal Indexed in SCI)
- XXVII. **Lignosulphonate modified ketonic resins**  
Kızılcan N.  
PIGMENT & RESIN TECHNOLOGY, vol.41, no.3, pp.163-171, 2012 (Journal Indexed in SCI)
- XXVIII. **Effect of post-polymerization heat-treatments on degree of conversion, leaching residual MMA and in vitro cytotoxicity of autopolymerizing acrylic repair resin**  
Bural C., AKTAS E., DENİZ G., UNLUCERCI Y., Kızılcan N., BAYRAKTAR G.

- DENTAL MATERIALS, vol.27, no.11, pp.1135-1143, 2011 (Journal Indexed in SCI)
- XXIX. **Polymerization of carbazole-9-carbonyl chloride modified methyl ethyl ketone formaldehyde Resin**  
Ustamehmetoğlu B., Yazıcı P., Kızılcan N.  
PIGMENT TECHNOLOGY, vol.40, pp.211-221, 2011 (Journal Indexed in SCI Expanded)
- XXX. **Polymerization of carbazole-9-carbonyl chloride modified cyclohexanone formaldehyde Resin**  
Kızılcan N., Hocaoğlu B., Uluoğlu B.  
PIGMENT TECHNOLOGY, vol.40, pp.143-153, 2011 (Journal Indexed in SCI Expanded)
- XXXI. **Aniline and oligoaniline modified cyclohexanone-formaldehyde resins**  
Ates E., Kızılcan N.  
PIGMENT & RESIN TECHNOLOGY, vol.40, no.1, pp.29-35, 2011 (Journal Indexed in SCI)
- XXXII. **Synthesis of Acetophenone Formaldehyde Resin Containing ABA Type Block Copolymers by ATRP**  
Canak T., KIZILCAN N., Serhatlı İ. E.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.119, no.1, pp.183-189, 2011 (Journal Indexed in SCI)
- XXXIII. **Effects of Acetophenone Formaldehyde Resin on the Degradation of High-Density Polyethylene by Using UV-Irradiation**  
Yıldız Y., Kızılcan N., Uyanık N.  
PIGMENT & RESIN TECHNOLOGY, vol.35, pp.247-251, 2006 (Journal Indexed in SCI Expanded)
- XXXIV. **High Conductive Copolymers of Polypyrrole - Silicone Tegomer**  
Kızılcan N., Köken N., Ustamehmetoğlu B., Akar A.  
EUROPEAN POLYMER JOURNAL, vol.42, pp.2361-2368, 2006 (Journal Indexed in SCI Expanded)
- XXXV. **Electrochemical copolymerization of pyrrole and methyl ethyl ketone formaldehyde resin**  
Ustamehmetoğlu B., KIZILCAN N., Sezai Saraç A., Akar A.  
International Journal of Polymeric Materials and Polymeric Biomaterials, vol.54, no.11, pp.1019-1030, 2005 (Journal Indexed in SCI Expanded)
- XXXVI. **Soluble and conductive copolymers from 1-(hydroxyalkyl) pyrroles**  
Kiskan B., AKAR A., KIZILCAN N., Ustamehmetoglu B.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.96, no.5, pp.1830-1834, 2005 (Journal Indexed in SCI)
- XXXVII. **Modification of Cyclohexanone-Formaldehyde Resin with Silicone Tegomers**  
Kızılcan N., Akar A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.98, pp.97-101, 2005 (Journal Indexed in SCI Expanded)
- XXXVIII. **Chemical polymerization of pyrrole in the presence of ketone-formaldehyde resins**  
Kızılcan N., Ustamehmetoglu B.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.96, no.3, pp.618-624, 2005 (Journal Indexed in SCI)
- XXXIX. **Electrochemical copolymerization of carbazole, ethylcarbazole and N-vinylcarbazole with methyl ethyl ketone-formaldehyde resin**  
Ustamehmetoğlu B., KIZILCAN N., Saraç A. S. , Akar A.  
International Journal of Polymeric Materials and Polymeric Biomaterials, vol.54, no.3, pp.161-172, 2005 (Journal Indexed in SCI Expanded)
- XL. **Electroinduced oxidative copolymerization of N-vinyl carbazole with methyl ethyl ketone formaldehyde resin**  
Ustamehmetoglu B., SARAC A., KIZILCAN N., AKAR A.  
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.15, no.7, pp.365-369, 2004 (Journal Indexed in SCI)
- XLI. **Soluble and conductive polypyrrole copolymers containing silicone tegomers**  
Kızılcan N., Ustamehmetoglu B., OZ N., SARAC A., AKAR A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.89, no.11, pp.2896-2901, 2003 (Journal Indexed in SCI)
- XLII. **Oligomeric benzoin photoinitiators**  
Kızılcan N.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.85, no.3, pp.500-508, 2002 (Journal Indexed in SCI)
- XLIII. **Poly(dimethyl siloxane)-containing five-block copolymers: Effects of resin blocks**  
Uyanık N., Yalçınkaya H., Kızılcan N.  
SURFACE COATINGS INTERNATIONAL PART B-COATINGS TRANSACTIONS, vol.84, no.4, pp.309-316, 2001 (Journal

Indexed in SCI)

- XLIV. **Soluble polypyrrole copolymers**  
Ustamehmetoglu B., KIZILCAN N., SARAC A., AKAR A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.82, no.5, pp.1098-1106, 2001 (Journal Indexed in SCI)
- XLV. **Block Copolymers of Styrene Containing Oligomeric Esters of Terphthalic Acids**  
Kızılcan N., Mecit O., Uyanık N., Akar A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.76, pp.648-653, 2000 (Journal Indexed in SCI Expanded)
- XLVI. **Ketonic Resins As Free Radical Photoinitiators**  
Kızılcan N.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.72, pp.927-934, 1999 (Journal Indexed in SCI Expanded)
- XLVII. **Phosphorous esters of 2,13-dihydroxy-7a,14c-dihydronaphtho[1',2':4,5]furo[3,2-d]furan**  
Kızılcan N., AKAR A., Talinli N., YASLAK S.  
HETEROCYCLIC COMMUNICATIONS, vol.5, no.1, pp.27-30, 1999 (Journal Indexed in SCI)
- XLVIII. **Chain Extended Cyclohexanone-Formaldehyde and Acetophenone-Formaldehyde Resins**  
Kızılcan N., Akar A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.70, pp.655-663, 1998 (Journal Indexed in SCI Expanded)
- XLIX. **ABA Type Block Copolymers containing Poly(dimethylsiloxane) and Ketonic Resin**  
Uyanık N., Kızılcan N., Akar A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.67, pp.643-648, 1998 (Journal Indexed in SCI Expanded)
- L. **Chain extension of ketonic resins**  
Kızılcan N., Akar A.  
MACROMOLECULAR SYMPOSIA, vol.122, pp.349-354, 1997 (Journal Indexed in SCI)
- LI. **Modification of Acetophenone - Formaldehyde and Cyclohexanone-Formaldehyde Resins**  
Kızılcan N., Akar A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.60, pp.465-476, 1996 (Journal Indexed in SCI Expanded)
- LII. **Preparation of Block and Graft Copolymers by Peroxycarbomates**  
Uyanık N., Yıldırım H., Kızılcan N., Akar A.  
ANGEWANDTE MAKROMOLEKULARE CHEMIE, vol.191, pp.1-13, 1991 (Journal Indexed in SCI Expanded)

## Articles Published in Other Journals

- I. **Investigation of the Effect of Phosphorous on the Flame Retardant Polyacrylonitrile Nanofiber**  
YILMAZ M., Akar A., KÖKEN N., KIZILCAN N.  
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**II. Graphene Modified Cyclohexanone Formaldehyde Nanocomposite Resin for Supercapacitor Electrodes with High Specific Capacitance**

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## **Supported Projects**

Kızılcan N., Project Supported by Higher Education Institutions, FONKSİYONEL ALTIN NANO PARTİKÜLLERİN UÇUCU ORGANİK BİLEŞİKLERLE OLAN ETKİLEŞİM PARAMETRELERİNİN YÜZEY AKUSTİK DALGA(SAW) VE (IDT ) Dijital DÖNÜŞTÜRÜCÜLER KULLANILARAK ANLAŞILMASI, 2016 - 2018

Kızılcan N., Project Supported by Higher Education Institutions, Elektrikli Ve Hibrit Araçlarda Batarya Soğutma Hattı İçin Hibrit Kauçuk Hortum Geliştirilmesi, 2016 - 2018

Kızılcan N., Project Supported by Higher Education Institutions, Bio Bazlı Hibrit Poliüretan Yüzey Kaplama Malzemesi Sentezi ve Karakterizasyonu, 2016 - 2017

Kızılcan N., Project Supported by Higher Education Institutions, Glikolüril, Oligomerleri ve Türevleri, 2015 - 2017

Kızılcan N., Project Supported by Higher Education Institutions, MODİFİYE ASETOFENON FORMALDEHİT REÇİNELERİ SENTEZİ VE POLİÜRETANDA KULLANIMI, 2015 - 2016

Kızılcan N., Project Supported by Higher Education Institutions, Bor İçeren Metil Etil Keton Formaldehit Reçinelri Sentezi ve Karakterizasyonu, 2015 - 2016

Kızılcan N., Project Supported by Higher Education Institutions, Polipirol –Polisülfon kopolimerleri ve Kil ile Nanokompozitlerinin Hazırlanması ve Karakterizasyonu, 2015 - 2015

Kızılcan N., Project Supported by Higher Education Institutions, Ketonik Reçine içeren Poliüretanlar Sentezi, 2014 - 2015

Kızılcan N., Project Supported by Higher Education Institutions, KOMPOZİT RESOL REÇİNELERİNİN SENTEZİ VE CAM ELYAF ÜRETİMİNDE KULLANIMI, 2014 - 2015

Kızılcan N., Project Supported by Higher Education Institutions, Pirina Kompozit Reçineler Sentezi ve Karakterizasyonu, 2014 - 2015

Kızılcan N., Project Supported by Higher Education Institutions, Reçine İçeren Akrilik Emülsiyon Polimerlerinin Sentezi ve Boya Formülasyonlarında Kullanılması, 2014 - 2015

Kızılcan N., Project Supported by Higher Education Institutions, Çeşitli Bisfenollerden Polisülfon Sentezi ve Karakterizasyonu, 2014 - 2014



Kızılcan N., Project Supported by Higher Education Institutions, Tekstil Boyalrın Adsorpsiyonu için Çitosan-Zeolit Nanokompozitlerin Hazırlanması ve Adsorpsiyon Kinetiğinin İncelenmesi, 2014 - 2014

Kızılcan N., Project Supported by Higher Education Institutions, Renk Giderici Çitosan Nanokompozitlerinin Hazırlanması ve Adsorpsiyon Kinetiği Çalışmaları, 2013 - 2014

Kızılcan N., Project Supported by Higher Education Institutions, Fenil Asetilen Modifiye Reçine Sentezi, 2013 - 2014

Kızılcan N., Project Supported by Higher Education Institutions, Nano Kil Modifiye Reçineler İçeren Poliüretan Kopolimerler Sentezi ve Karakterizasyonu, 2010 - 2014

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Kızılcan N., Project Supported by Higher Education Institutions, Modifiye Reçineler Sentezi ve Karakterizasyonu, 2011 - 2012

Kızılcan N., Project Supported by Higher Education Institutions, Nanokompozit Reçineler Sentezi ve Karakterizasyonu, 2011 - 2012

Kızılcan N., Project Supported by Higher Education Institutions, Multifonksiyonel Başlatıcılara Dayanan Yıldız Kopolimerlerinin sentezi, 2008 - 2008

Kızılcan N., Project Supported by Higher Education Institutions, Siklohekzanon-Formahdehit Reçinesinin Karbazol-9-Karbonil Klorit ile Modifikasyonu ve Polimerizasyonu, 2006 - 2007

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Kızılcan N., Project Supported by Higher Education Institutions, Anilin ve Oligoanilin Varlığında İletken Polimer ve Kopolimer Sentezi, 2005 - 2005

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Kızılcan N., Project Supported by Higher Education Institutions, Özel Halka Yapılı Hidroksi Aromatik Bileşiklerin İnorganik Esterleri, 1997 - 2001

## Activities in Scientific Journals

Noble International Journal of Social Sciences Research, Editor, 2017 - Continues  
The Open Polymer Science Journal ISRN Polymer Science, Editor, 2011 - Continues

## Scientific Refereeing

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The Canadian Journal of Chemical Engineering (Manuscript 8569-S) , SCI Journal, February 2002

## **Scientific Consultations**

KASTAMONU ENTEGRE/ TÜBİTAK TEYDEB, Project Consultancy, Istanbul Technical University, Fen-Edebiyat, Kimya, Turkey, 2019 - Continues

TC Sanayi ve Ticaret bakanlığı, Project Consultancy, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey, 2018 - 2018

TEKLAS KAÇUK / TC. Sanayii Bakanlığı, Project Consultancy, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey, 2015 - 2017

T. C. Sanayi ve Tic. Bak. KOSGEB SİM Yapı ve Kimyasalları san. Paz. Ltd. Şti, Scientific Consultancy, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey, 2004 - 2005

## **Tasks In Event Organizations**

Ertürk Bozkurtoğlu Ş. N. , Baydoğan N., Kızılcan N., MULTI-SCALE SELF-HEALING NANOCOMPOSITE SHIELDING MATERIAL, Scientific Congress, İstanbul, Turkey, Şubat 2018

## Scientific Research / Working Group Memberships

Resin-Pol., İSTANBUL TEKNİK ÜNİVERSİTESİ, Turkey, <http://calismagruplari.itu.edu.tr/fen-edebiyat-fak%C3%BCltesi/resin-pol->, 2017 - Continues

## Edit Congress and Symposium Activities

Ankara Bilim Sanayii ve Teknoloji Bakanlığı, Ar-Ge Merkezi Belgesi karar toplantısına komisyon üyesi, Attendee, Ankara, Turkey, 2018

5th International Conference on Advanced Technology & Sciences (ICAT'17), Attendee, İstanbul, Turkey, 2017

TÜBİTAK Proje Önerilerini Değerlendirme Paneli, Attendee, Turkey, 2014

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NANO TR IV, Attendee, İstanbul, Turkey, 2008

TÜBİTAK Proje Önerilerini Değerlendirme Paneli, Attendee, Ankara, Turkey, 2007

36 th IUPAC Congress CHIMIA, Attendee, Genève, Switzerland, 1997

Polycondensation'96, Attendee, Paris, France, 1996

Türkçe Konuşulan Ülkeler IV. Polimer Sempozyumu, Attendee, İstanbul, Turkey, 1996

NATO, ASI , Ring-Opening Metathesis Polymerization of Olefins and Polymerization, Attendee, Turkey, 1995

35th IUPAC Congress, Attendee, İstanbul, Turkey, 1995

NATO, ASI Hydrogen Energy System, Utilization of Hydrogen and Future Aspects, Attendee, Balıkesir, Turkey, 1994

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Total Citations (WOS):298

h-index (WOS):10