

Assoc. Prof. Nesrin Köken

Personal Information

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Biography

N. Köken 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 Chemistry Department in 1989, her MSc and PhD degrees in chemistry at the same university in 1992 and 1997, respectively. In 2003 and 2008, she was awarded a post-doctoral scholarship for the DAAD and ITU Young Researchers Support Program in 2009, as a research scholarship for 3 months in 2009, in Germany -Göln Max Planck Institute. She has published 16 research papers and 15 national and 24 international presentations. She was 16 completed research project coordinators, 3 PhD thesis supervisors, 11 MSc and 4 BSc. thesis supervisors. She wrote book chapters in 1 books.

She specializes in water-based polymerisation, emulsions polymerisation, conducting polymer and copolymers.

Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1992 - 1997

Postgraduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI), Turkey 1990 - 1992

Undergraduate, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1985 - 1989

Foreign Languages

English, C1 Advanced

German, B1 Intermediate

Dissertations

Doctorate, Organofosfonik Asit İçeren Vinil Polimerler Sentezi, İstanbul Teknik Üniversitesi, Fen-Bilimleri Enstitüsü, Kimya, 1997

Postgraduate, Seryumla Organik Fonksiyonel Uç Gruplu Polimerlerin Sentezi, İstanbul Teknik Üniversitesi, Fen- Bilimleri Enstitüsü, Kimya, 1992

Research Areas

Basic Sciences, Chemistry, Physical Chemistry, Polymers and Their Applications, Functional Polymers, Composites, Polymeric Materials, Cellulose and its Derivatives, adhesives, High Performance Polymers, Organic Chemistry, Chemistry

of Macromolecules

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Fen-Edebiyat, Kimya, 2006 - Continues

Assistant Professor, Istanbul Technical University, Fen-Edebiyat, Kimya, 2001 - 2006

Research Assistant PhD, Istanbul Technical University, Fen-Edebiyat, Kimya, 1997 - 2001

Research Assistant, Istanbul Technical University, Fen-Edebiyat, Kimya, 1990 - 1997

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, 2009 - 2009

İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2009 - 2009

Courses

Natural Products, Undergraduate, 2012 - 2013, 2020 - 2021

Organic Chemistry of Polymers, Postgraduate, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2019 - 2020, 2020 - 2021

ORGANIC CHEMISTRY KIM 205E, Undergraduate, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021

HETEROGENEOUS POLYMERIZATION SYSTEMS: THEORY AND APPLICATIONS, Postgraduate, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2016 - 2017, 2019 - 2020, 2020 - 2021

GENERAL CHEMISTRY, Undergraduate, 2008 - 2009, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021

SEMİNER, Postgraduate, 2006 - 2007, 2007 - 2008, 2008 - 2009, 2012 - 2013, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018

CHEMISTRY1 CHE101(SUNY), Undergraduate, 2007 - 2008, 2009 - 2010, 2011 - 2012, 2012 - 2013, 2014 - 2015, 2015 - 2016, 2017 - 2018

Maritime Chemistry, Undergraduate, 2016 - 2017

MEDICINAL NATURAL PRODUCTS, Doctorate, 2014 - 2015

Organic Chemistry, Undergraduate, 2002 - 2003, 2004 - 2005, 2005 - 2006, 2006 - 2007, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011

Jury Memberships

Post Graduate, Tez Savunma Jürisi, Trakya Üniversitesi, June, 2018

Post Graduate, İTÜ Fen Bilimleri Duygu Bademci Yüksek Lisans Tez savunması, Duygu Bademci YL Tez Sınavı İTÜ Fen Bilimleri Kimya, May, 2018

Post Graduate, Yüksek Lisans Tez savunması, İstanbul Teknik Üniversitesi, December, 2016

Post Graduate, Yüksek Lisans, İstanbul Teknik Üniversitesi, May, 2016

Post Graduate, İstanbul Teknik Üniversitesi, İstanbul Teknik Üniversitesi, May, 2016

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

1. Erratum to "High Conductive Copolymers of Polypyrrole-?, ?-Diamine Polydimethyl Siloxane [European Polymer Journal 42(2006) (2361-2368)]
Kızılcan N., Köken N., Ustamehmetoğlu B., Akar A.

Articles Published in Other Journals

- I. **High Performance Randomly Segmented Poly Urethane Siloxane and Poly Imide Siloxane Copolymers**
Doğan T., Baydoğan N., Köken N.
Procedia - Social and Behavioral Sciences, vol.195, pp.2221-2227, 2015 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Atomlar, Moleküller ve İyonlar**
Köken N., Güven A., Yusufoglu A., Uyanık C., Düz F. S., Artok L., Köse M., Güllü M., Caner N., Yıldırım K., et al.
in: KİMYA 1. Cilt 7 Basımdan Çeviri, Cavit UYANIK, Editor, : Literatür Yayınları, İstanbul, pp.33-76, 2017
- II. **Characterization of high performance randomly segmented poly(urethane siloxane) and poly(imide siloxane) block copolymers**
Doğan T., Köken N., Baydoğan N.
in: AIP Conference Proceedings 1722, 140006 (2016), Baki Akkuş, Yeşim Öktem, Latife Şahin Yalçın, R. Burcu Çakirli Mutlu and Gülfem Süsoy Doğan, Editor, AIP (American Institute of Physics) Press, İstanbul, pp.1400061-1400064, 2016
- III. **chapter 20: Production of Poly(Imide Siloxane) Block Copolymers**
Doğan T., Baydoğan N., Köken N.
in: Energy Systems and Management Springer Proceedings in Energy, Ali Nezihi Bilge, Ayhan Özgür Toy, Mehmet Erdem Günay, Editor, Springer, London/Berlin, İstanbul, pp.209-219, 2015
- IV. **Production of Poly(Imide Siloxane) Block Copolymers**
Köken N., Doğan T., Baydoğan N.
in: Energy Systems and Management, Ali Nezihi Bilge, Ayhan Özgür Toy, Mehmet Erdem Günay, Editor, Springer, London/Berlin, Londra, pp.209-219, 2014

Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis of Tannin Containing Cyclohexanone Formaldehyde Resin**
Ülkü G., KÖKEN N., Yaman D., Akar A., KIZILCAN N.
20. JCF-Frühjahrssymposium, Jung Chemiker Forum, KONSTANZ, Germany, 21 March - 24 April 2018, pp.202
- II. **Synthesis of termosensitive Cellulose Nanofibers**
KÖKEN N., Tauer K.
PPM 2017, İzmir, Turkey, 12 - 08 September 2017, pp.97
- III. **SILVER CONTAINING PYRROLE AND CHITOSAN COPOLYMERS**
Köken N., Kızılcan N., tarımsal Gülmen S. S.
The 3rd International Porous and Powder Materials Symposium and Exhibition, İzmir, Turkey, 12 - 15 September 2017, pp.321-326
- IV. **5th International Conference on Advanced Technology & Sciences Reaction of Acetophenone Formaldehyde Resin with S Triazone**
Mutlu M., Kızılcan N., AKAT P. D. A., Köken N.
5th International Conference on Advanced Technology & Sciences (ICAT'17) ATScience, İstanbul, Turkey, 9 - 12 May 2017, pp.250-256
- V. **Reaction of Acetophenone Formaldehyde Resin with S Triazone"**
Köken N., Kızılcan N., AKAT P. D. A., Mutlu M.
5th International Conference on Advanced Technology & Sciences (ICAT'17) ATScience, İstanbul, Turkey, 9 - 12

May 2017, pp.245-247

- VI. **Preparation and Characterization of Melamine Formaldehyde Microcapsules Filled with Tris (1-Chloro-2-Propyl) Phosphate (TCPP)**
Köken N., Yaman D., Ülkü G., AKAT P. D. A.
19. JCF-Frühjahrssymposium, Advances in Organic and Inorganic Chemistry, Mainz, Germany, 22 March - 01 April 2017, pp.241
- VII. **Synthesis of High Temperature Resistant Block Copolymers Containig Polydimethylsiloxane and Biphenyl Tetracarboxylic Dianhydride**
Köken N., Baydoğan N., Doğan T.
19. JCF-Frühjahrssymposium, Frankfurt, Mainz, Germany, 29 March - 01 April 2017, pp.274
- VIII. **s-Triazone modified acetophenone formaldehyde Resin**
Köken N., Kızılcan N., AKAT P. D. A. , Yivlik Y.
19. JCF-Frühjahrssymposium, Advances in Organic and Inorganic Chemistry, Mainz, Germany, 29 March - 01 April 2017, pp.117
- IX. **Synthesis Randomly segmented Poly amidesiloxane and poy imide siloxane Block copolymers**
DOĞAN T., BAYDOĞAN N., KÖKEN N.
18.JCF-FRÜHJAHRSSYMPOSIUM, Kiel, Germany, 16 - 19 March 2016, vol.2097
- X. **Characterization of High Performance Randomly Segmented Poly(urethane siloxane) and Poly(imide siloxane) Block Copolymers**
Doğan T., Baydoğan N., Köken N.
9th International Physics Conference of the Balkan-Physical-Union (BPU), İstanbul, Turkey, 24 - 27 August 2015, vol.1722
- XI. **In Situ Copolymerization of Silver Containing Nanocomposites of Pyrrole and Thienyl End-Capped Ethoxylated Nonyl Phenol by Iron (III) Chloride**
Ülkü G., Köken N., Guvel E. A. , Kızılcan N.
World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 28 - 30 May 2015, pp.2076-2085
- XII. **Copolymerization of Pyrrole and Thienyl End Capped Poly(dimethylsiloxane) by Iron (III) Chloride**
GENCOGLU D., GÜVEL E. A. , ÜLKÜ G., KIZILCAN N., KÖKEN N.
World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 28 - 30 May 2015, pp.78
- XIII. **High Performance Randomly Segmented Poly(Urethane Siloxane) and Poly(Imide Siloxane) Copolymers**
Doğan T., Baydoğan N., Köken N.
World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 28 - 30 May 2015, pp.2221-2227
- XIV. **Polypyrrole and Thienyl End Capped Polysulfone Copolymers by Iron (III) Chloride**
TANRIVER N., Köken N.
World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 28 - 30 May 2015, pp.2199-2205
- XV. **Synthesis of Thermosensitive Cellulose Nanofibers from Cellulose Fibril”**
Köken N., Tauer K.
World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 25 - 28 May 2015, pp.37
- XVI. **High Performans Randomly Segmented Poly Urethane Siloxane and Poly Imide Siloxane Copolymers**
ÜLKÜ G., KÖKEN N., GÜVEL A E., KIZILCAN N.
Istanbul University World Conference on Technology, Innovation and Entre Preneurship, 28 - 30 May 2015, pp.73
- XVII. **Copolymers of Pyrrole and β -Dithienyl Terminated Poly(ethylene glycol)**
Köken N., ATEŞ Güvel E., Kızılcan N.
WASET, ICP 2015 : XIII International Conference on Polymer, Paris, France, 23 - 24 February 2015, vol.13, no.2, pp.1369-1375
- XVIII. **Heterophase Polymerization of Pyrrole and Thienyl End Capped Ethoxylated Nonyl Phenol by Iron (III) Chloride**

Ülkü G., ATEŞ Güvel E., Köken N., Kızılcan N.

WASET, ICP 2015 : XIII International Conference on Polymer,, Paris, France, 23 - 24 February 2015, vol.13, no.2, pp.1358-1362

XIX. Synthesis and Characterization of Polysulphone from Different Bisphenols

ERKMAN E., TANRIVER N., KÖKEN N., KIZILCAN N.

27th International Symposium on Polymer Analysis and Characterization, 16 - 18 June 2014, pp.45

XX. Production of Poly(Imide Siloxane) Block Copolymers

Doğan T., Baydoğan N., Köken N.

International Conference on Energy and Management, Turkey, 5 - 07 June 2014, pp.209-215

XXI. Poli imid Siloksan Blok Kopolimerleri Sentezi

DOĞAN T., BAYDOĞAN N., KÖKEN N.

V.Ulusal Havacılık ve Uzay Konferansı-UHUK İstanbul, Turkey, 20 - 22 June 2014

XXII. Poli imid Siloksan Kopolimerlerin Fiziksel Özellikleri

Doğan T., Baydoğan N., Köken N.

V.Ulusal Havacılık ve Uzay Konferansı-UHUK İstanbul, İstanbul, Turkey, 20 - 22 June 2014, vol.1, no.1, pp.20-25

XXIII. Heterophase Polymerization of Pyrrole and Ethoxlated Nonylphenol by Cerium (IV)

Köken N., Erkman E., TANRIVER N., Kızılcan N.

27th International Symposium on Polymer Analysis and Characterization 2014, Les Diablerets, Switzerland, 16 - 19 May 2014, pp.45

XXIV. International Conference on Energy ana Management

DOĞAN T., BAYDOĞAN N., KÖKEN N.

International Conference on Energy ana Management, 16 - 18 May 2014

XXV. Synthesis Of Termosensitive Cellulose Nanofiber from cellulose fibril

KÖKEN N., TAUER K.

IUPAC 44 th World Chemistry Congress, 11 - 13 August 2013

XXVI. Ketonik Reçine Nanokompozitlerinin Sentezi ve Karakterizasyonu

Kızılcan N., ATEŞ E., Köken N.

İTÜ Nano-Bilim ve Nano-Teknoloji Çalıştayı,, İstanbul, Turkey, 12 February 2009, pp.101

Supported Projects

Köken N., Erkahraman Y., Project Supported by Higher Education Institutions, Su Bazlı Poliüretan Dispersiyonlarda Çapraz Bağlanmanın Ve Nano Silikanın Etkileri, 2020 - Continues

Köken N., Ülkü G., Project Supported by Higher Education Institutions, Poliüretan için Özel Reçine Katkı Maddeleri, 2018 - Continues

Köken N., Akşit E., Project Supported by Higher Education Institutions, Poliakrilonitril Nanokompozitlerinin Eldesi ve Elyaf Özelliklerinin Araştırılması, 2018 - 2019

Köken N., Project Supported by Higher Education Institutions, Modifiye Selüloz Nanofiberlerinin Eldesi, 2012 - 2018

Köken N., Project Supported by Higher Education Institutions, Çinko boratın reçine ile mikrokapsülasyon sentezi ve karakterizasyonu, 2016 - 2017

Köken N., Project Supported by Higher Education Institutions, Düşük Yoğunluklu Polietilen/ PoliMetil Penten Polimerlerinden Taze Gıda Ambalaj Malzemesinin Üretimi, 2015 - 2015

Köken N., Project Supported by Higher Education Institutions, Pirol ve Tiyenil sonlu Etoksi Nonilfenolün Heterofaz Polimerizasyonu, 2015 - 2015

Köken N., Project Supported by Higher Education Institutions, Polisülfon / Polipirol Kopolimerleri Sentezi, 2015 - 2015

Köken N., Project Supported by Higher Education Institutions, Pirol ve Etoksi Nonilfenolün Ce(IV) ile Heterofaz Polimerizasyonu, 2014 - 2014

Köken N., Project Supported by Higher Education Institutions, Mannich Reaksiyonuyla Fosfonik Asit Grupları İçeren Bileşikler Sentezi ve Bu Bileşikler ile Polimer Eldesi, 2006 - 2012

Köken N., Project Supported by Higher Education Institutions, Vinil Monomerleri İle Poli(Dimetil Siloksan) Kopolimer

Sentezi, 2006 - 2008

Köken N., Project Supported by Higher Education Institutions, Kazantaşı Engelleyici Özel Polimerlerin Sentezi, 2001 - 2004

Activities in Scientific Journals

Polymer Nanocomposites Symposium and Seminar , Publication Committee Member, 2018 - 2018

Memberships / Tasks in Scientific Organizations

DAAD, Member, 2003 - Continues

Scientific Refereeing

Journal of Molecular Structure, SCI Journal, November 2016

Advances in Polymer Technology , SCI Journal, November 2016

Journal of Molecular Structure, SCI Journal, October 2016

Advances in Polymer Technology , SCI Journal, May 2016

Journal of Liquid Chromatography & Related Technologies. , SCI Journal, May 2013

Scientific Research / Working Group Memberships

Resin-Pol., İSTANBUL TEKNİK ÜNİVERSİTESİ, Turkey, <https://calismagruplari.itu.edu.tr/fen-edebiyat-fak%C3%BCltesi/resin-pol->, 2010 - Continues

Edit Congress and Symposium Activities

5th International Conference on Advanced Technology and Sci. (ICAT 17), Attendee, İstanbul, Turkey, 2017

JCF-Frühjahrssymposium 2017, Attendee, Frankfurt, Germany, 2017

World Conference on Technology, Innovation and Entrepreneurship, Attendee, İstanbul, Turkey, 2015

WASET, ICP 2015 : XIII International Conference on Polymer, Attendee, Paris, France, 2015

Tübitak, Panelists, Ankara, Turkey, 2013

İTÜ Natuk Birkan İİÖ.2011 Kimya Yılı Etkinliği, Invited Speaker, İstanbul, Turkey, 2011

European Polymer CongressEPF2011, Attendee, Granada, Spain, 2011

Citations

Total Citations (WOS):28

h-index (WOS):3

Scholarships

. Uzun Sureli Yurt Disi Gorevlendirme Destek Bursu, University, 2009 - 2009

DAADDeutscher Akademischer Austausch Dienst German Academic Exchange Service, Official Institutions of Foreign Countries, 2009 - 2009

Deutscher Akademischer Austausch Dienst German Academic Exchange Service, Official Institutions of Foreign

Countries, 2003 - 2004