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Nuray KIZILDAĞ

Personal Information

Birth Place / Date : Dortmund, 20.01.1978
Marital Status : Married, with two children.
Foreign Language : Fluent in English.

Experiences

November2010-	Istanbul Technical University	Istanbul
Working as Research Assistant		
June2005-March2007	Yunteks Tekstil San ve Tic Ltd Sti	Istanbul
Worked as Export Specialist		
July2004-October2004	PÜTAŞ Tekstil San.ve Tic A.Ş	İzmir
Worked as Production Manager		
May2002-April2004	Burçe Tekstil San.ve Tic A.Ş	Denizli
Worked as Production Manager		
March2002-May2002	Ozanteks Tekstil San.ve Tic A.Ş	Denizli
Worked as Quality Assurance Chief		
August2000-December2001	Abaloğlu Tekstil San. A.Ş	Denizli
Worked as Quality Assurance Engineer		

Education

2010-...., PhD Student, Istanbul Technical University, Textile Engineering Department, Istanbul

- Thesis: Design and Development of Nanocomposite Multifunctional Fibers

2009-2010, Master's Degree, Istanbul Technical University, Textile Engineering Department, Istanbul

Thesis: Improvement of the properties of electrospun silk fibroin nanoweb

1996-2000, Bachelor's Degree, Ege University, Textile Engineering Department, Izmir

- Technology Option, G.P.A. : 90/100, Ranked first in both department and faculty
- Scholarship from Vehbi Koç Vakfı

1993-1996, High School, Ali Osman Sönmez Fen Lisesi, Bursa

Ranked third.

Trainings

- Technical Training about all the machines of Rieter Ring and Open-End Spinning Lines. (K44-G33 Spinning machines, R20 Open-End Spinning machine, F11 Roving machine, E72 Combing machine, E32, SB-D10, RSB-D30, C50, C51H, C60....)
- Technical Training about Rieter A80 line.
- Technical Training about the foreign fibre eliminating machines as Jossi, Loepfex, Loepfe.
- Technical Training about operation and maintenance of Murata V-II, Murata 21C winding machines.
- Technical Training about Core yarn production. (4 days)
- Technical Training about Slub yarn production. (1 week)
- Shared vision training (studies for defining and understanding the vision and mission of the company). (3 days)
- Technics of decreasing the costs. (3 days)
- Analyses of production processes. (2 days)
- TOEFL course in English Academy. (4 months)
- German language course in TÖMER. (1 year)

Publications

Articles

1. **Kizildag, N.**, Ucar, N. Investigation of the properties of PAN/f-MWCNTs/AgNPs composite nanofibers, Journal of Industrial Textiles, 2016, accepted.
2. **Kizildag, N.**, Ucar, N., Onen, A., Karacan, I. Polyacrylonitrile/polyaniline composite nanofiber webs with electrostatic discharge properties, Journal of Composite Materials, published online, 2016. DOI: 10.1177/0021998316630583.
3. Ucar, N., **Kizildag, N.**, Onen, A., Karacan, I., Eren, O., Polyacrylonitrile-polyaniline Composite Nanofiber Webs: Effects of Solvents, Redoping Process and Dispersion Technique, Fibers and Polymers, Fibers and Polymers, 16(10), 2223-2236, 2015. DOI: 10.1007/s12221-015-5426-3.
4. Eren, O., Ucar N., Onen, A., **Kizildag, N.**, Karacan, I., Synergistic effect of polyaniline, nanosilver and carbon nanotube mixtures on the structure and properties of polyacrylonitrile composite nanofiber, Journal of Composite Materials, Journal of Composite Materials, published online, 2015. DOI: 10.1177/0021998315601891.
5. **Kizildag, N.**, Ucar, N., Onen, A., Karacan, I., Polyacrylonitrile/polyaniline composite nano/microfiber webs produced by different dopants and solvents, Journal of Industrial Textiles, Published online, 2015. DOI: 1528083715598654.
6. **Kizildag, N.**, Ucar, N., Demirsoy, N., Sezer, E., Ustamehmetoglu, B., Eren, O., Onen, A., Karacan, I., Guner, S., The Effects of Dopant and Solvent on Morphology, Conductivity and Mechanical Properties of Polyacrylonitrile (PAN) / Polyaniline (PANi) Composite Nanofibers, Tekstil ve Mühendis, 22(97), 1-6, 2015. DOI: 10.7216/130075992015229701.
7. Demirsoy, N. Ucar, N., Onen, A., **Kizildag, N.**, Nanocomposite Nanofibers of Polyacrylonitrile (PAN) and Silver Nanoparticles (AgNPs) Electrospun from Dimethylsulfoxide, Marmara Journal of Pure and Applied Sciences, Special Issue-1: 16-18, 2015, DOI:10.7240/mufbed.36641.
8. Eren, O., Onen, A., Ucar, N., **Kizildag, N.**, Composite Nanofibers of Polyacrylonitrile (PAN) and Amino-functionalized Carbon Nanotubes Electrospun from Dimethylsulfoxide,

- Marmara Journal of Pure and Applied Sciences, Special Issue-1: 95-98, 2015. DOI:10.7240/mufbed.13275.
9. **Kizildag, N.**, Ucar, N., Gorgun, B., Analysis of some comfort and structural properties of cotton/spandex plain and 1x1 rib knitted fabrics, The Journal of the Textile Institute. Published online, 2015. DOI: 10.1080/00405000.2015.1054143.
 10. Eren O., Ucar N., Onen, A., Karacan I., **Kizildag N.**, Demirsoy, N., Vurur, O.F., Borazan, I., Comparative Analysis of the Effect of Differently Functionalized Carbon Nanotubes on the Properties of Composite Nanofibers, Indian Journal of Fiber & Textile Research, 2015, accepted.
 11. **Kizildag, N.**, Ucar, N., Karacan, I., Onen, A., Demirsoy, N., The effect of the dissolution process and the polyaniline content on the properties of polyacrylonitrile/polyaniline composite nanoweb, Journal of Industrial Textiles, published online, December 2014. DOI: 10.1177/1528083714564636.
 12. Ucar, N, Demirsoy N, Onen A, Karacan I, **Kizildag N**, Eren O, Vurur OF, Sezer E, Ustamehmetoglu B, The effect of reduction methods and stabilizer (PVP) on the properties of polyacrylonitrile (PAN) composite nanofibers in the presence of nano silver, Journal of Materials Science, published online, December 2014. DOI: 10.1007/s10853-014-8748-4.
 13. Demirsoy, N., Ucar, N., Onen, A., Karacan, I., **Kizildag, N.**, Eren, O., Borazan, I., The effect of dispersion technique, silver particle loading, and reduction method on the properties of polyacrylonitrile–silver composite nanofiber, Journal of Industrial Textiles, published online, October 2014. DOI: 10.1177/1528083714553690.
 14. Ucar, N., Eren, O., Onen, A., **Kizildag, N.**, Demirsoy, N., Karacan, I., The effect of polyaniline and amine functionalized carbon nanotubes on the properties of composite nanofiber web, Tekstil ve Konfeksiyon, 24(3), 266-271, 2014.
 15. Ucar, N., Ucar, M., **Kizildag, N.** (corresponding author), Design of a Novel Nozzle Prototype for Increased Productivity and Improved Coating Quality During Electrospinning, Tekstil ve Konfeksiyon, 23(3), 199-203, 2013.
 16. Sezgin, H, Yalcin, I., Ozturk M.K., **Kizildag, N.**, Nanomaterials in Textile Applications, Materials, Journal of International Scientific Publications: Materials, Methods & Technology, 6 (2), 303-317, 2012.

Conferences

1. **Kizildag, N.**, Ucar, N., Eren, O., Onen, A., Composite Polyacrylonitrile Filaments with Polyaniline And Silver Nanoparticles, 5th International Istanbul Textile Congress 2015: Innovative Technologies “Inspire to Innovate” September 11-15, 2015 Istanbul, TURKEY.
2. **Kizildag, N.**, Ucar, N. Nanocomposite Polyacrylonitrile Filaments with Titanium Dioxide Nanoparticles, 15th Autex World Textile Conference 2015, June 10-12, 2015. Bucharest, ROMANIA.
3. **Kizildag, N.** Sezgin, H., Kucukali Ozturk, M., Yalcin Enis, I., Nanoiplikler, 15. Tekstil Kimyası ve Teknolojisindeki Son Gelişmeler Sempozyumu, May 14-16 2015, Bursa, TURKEY.
4. Yalcin Enis, I., Sezgin, H., Kucukali Ozturk, M., **Kizildag, N.**, Tekstil Sektöründe Organik Pamuk, 15. Tekstil Kimyası ve Teknolojisindeki Son Gelişmeler Sempozyumu, May 14-16, 2015, Bursa, TURKEY.
5. Sezgin, H., **Kizildag, N.**, Yalcin Enis, I., Kucukali Ozturk, M. Tıbbi Tekstillerde Nanoteknoloji, 15. Tekstil Kimyası ve Teknolojisindeki Son Gelişmeler Sempozyumu,

May 14-16, 2015, Bursa, TURKEY.

6. Kucukali Ozturk, M., Yalcin Enis, I., **Kizildag, N.**, Sezgin, H., Ekolojik Tekstillerin Bebek Giysilerindeki Önemi, 15. Tekstil Kimyası ve Teknolojisindeki Son Gelişmeler Sempozyumu, May 14-16, 2015, Bursa, TURKEY.
7. **Kizildag, N.**, Ucar, N., Development of Composite Polyacrylonitrile filaments for use as multifunctional textiles, International Conference on Advances in Composite Materials and Structures, April 2015, Istanbul, TURKEY.
8. **Kizildag, N.**, Ucar, N., Nanocomposite nanowebs with self-cleaning property, Nanotech Dubai 2015, March 2015, Dubai, United Arab Emirates.
9. **Kizildag, N.**, Ucar, N., Investigation of the protonation of Polyaniline by CSA and DBSANA⁺ in DMF and DMSO, The Fiber Society Fall 2014 Conference, October 2014 Philadelphia, USA.
10. **Kizildag, N.**, Ucar, N., Ternary and Quaternary Composite Nanofibers with Carbon Nanotubes Silver Nitrate and Polyaniline, The Fiber Society Fall 2014 Conference, October 2014, Philadelphia, USA.
11. Eren, O., Ucar, N., Onen, A., **Kizildag, N.**, Nanocomposite Nanofibers of Polyacrylonitrile (PAN) and Amino-functionalized Carbon Nanotubes Electrospun from Dimethylsulfoxide, 6th International Conference on Future Technical Textile, October 2014, Istanbul, TURKEY.
12. Demirsoy, N., Ucar, N., Onen, A., **Kizildag, N.**, Nanocomposite Nanofibers of Polyacrylonitrile (PAN) and Silver Nanoparticles (AgNPs) Electrospun from Dimethylsulfoxide, 6th International Conference on Future Technical Textile, October 2014, Istanbul, TURKEY.
13. **Kizildag, N.**, Ucar, N., Demirsoy, N., Sezer, E., Ustamehmetoglu, B., Eren, O., Onen, A., Karacan, I., Guner, S., The Effects of Dopant and Solvent on Morphology, Conductivity and Mechanical Properties of Polyacrylonitrile (PAN) / Polyaniline (PANI) Composite Nanofibers, 6th International Conference on Future Technical Textile, October 2014, Istanbul, TURKEY.
14. Demirsoy, N., Ucar, N., Onen, A., **Kizildag, N.**, Vurur, O.F., Eren, O., Karacan, I., Investigation of Electrical, Thermal and Structural Properties on Polyacrylonitrile Nanofiber, ICNET 2014: International Conference on Nanoscience, Engineering and Technology, August 2014, Venice, ITALY.
15. Ucar, N., Eren, O., Onen, A., **Kizildag, N.**, Demirsoy, N., Karacan, I., The Effect of Polyaniline and Carbon Nanotubes on the Properties of PAN Nanofibers, ICNET 2014: International Conference on Nanoscience, Engineering and Technology, August 2014, Venice, ITALY.
16. Eren, O., Ucar, N., Onen, A., **Kizildag, N.**, Vurur, O. F., Demirsoy, N., Karacan, I., Effect of Amine-Functionalized Carbon Nanotubes on the Properties of CNT-PAN Composite Nanofibers, ICNET 2014: International Conference on Nanoscience, Engineering and Technology, August 2014, Venice, ITALY.
17. **Kizildag, N.**, Ucar, N., Demirsoy, N., Eren, O., Karacan, I., Sezer, E., Ustamehmetoglu, B., Conducting polyacrylonitrile (PAN) / polyaniline (PANI) composite nanofibers produced by electrospinning method, the fiber Society Spring 2014 Conference, May 2014, Liberec, CZECH REPUBLIC.
18. Demirsoy, N. Ucar, N., Onen, A., **Kizildag, N.**, Vurur, O. F., Eren, O., Sezer, E., Tascan, M., Karacan, I., Ustamehmetoglu, B., The Importance of Reduction Methods and Ratio of PVP for Composite Polyacrylonitrile-Silver Nanofiber, Autex 2014, 14th World Textile Conference, May 2014, Bursa, TURKEY.
19. **Kizildag, N.**, Ucar, N., Onen, A., Demirsoy, N., Eren, O., Development of

- Polyacrylonitrile/Carbon nanotube/Silver Nanoparticles Composite Nanofibers, Autex 2014, 14th World Textile Conference, May 2014, Bursa, TURKEY.
20. **Kizildag, N.**, Coating of Textiles by Plasma Treatments for Increased Functionality, Autex 2014, 14th World Textile Conference, May 2014, Bursa, TURKEY.
 21. **Kizildag, N.**, Ucar, N., Karacan, I., Onen, A., PAN/CNT/AgNP composite nanowebs: Effect of CNT functionalization and Ag⁺ reduction on properties of composite nanofiber webs, Nanotech Meet 2014, April 2014, Hammamet, TUNISIA.
 22. Eren, O., Ucar, N., Onen, A., Acikgoz, H., **Kizildag N.**, Karacan, I. Sezer, E., Tascan, M. Ustamehmetoglu, B., the Effect of Modified CNT and Processing Parameters on Properties of CNT-PAN Composite Nanofiber Web, XIIIth International Izmir Textile and Apparel Symposium, April 2014, Antalya, TURKEY.
 23. Yalcin, I., Ozturk, M.K., Sezgin, H., **Kizildag, N.**, Biomaterials for the Construction of Vascular Grafts, Advanced Materials World Congress (AMWC 2013), September 2013 Izmir, TURKEY.
 24. Ozturk, M.K., Sezgin, H., **Kizildag, N.**, Yalcin, I., Sound Absorption Materials, Advanced Materials World Congress (AMWC 2013), September 2013, Izmir, TURKEY.
 25. Sezgin, H., **Kizildag, N.**, Yalcin, I., Ozturk, M.K., Horn as a Biomaterial, Advanced Materials World Congress (AMWC 2013), September 2013, Izmir, TURKEY.
 26. **Kizildag, N.**, Yalcin, I., Ozturk, M.K., Sezgin, H., Applications of Electrospun Silk Fibroin Nanowebs, Advanced Materials World Congress (AMWC 2013), September 2013, Izmir, TURKEY.
 27. **Kizildag, N.**, Ucar, N., Oztoksoy, M.E., Garmestani, H., Wang, Y., Dahmen, K., Poly(vinylalcohol)/Polyaniline (PVA/PANI) Conductive Nanofibers by Electrospinning, International Istanbul Textile Congress, May 2013, Istanbul, TURKEY.
 28. **Kizildag, N.**, The Use of Nanomaterials in the Production of Antimicrobial Textiles, 2nd International Conference on Value Addition and Innovation in Textiles, March 2013, Faisalabad, PAKISTAN.
 29. **Kizildag, N.**, Beceren, Y., Kazancı, M., Çukul, D., Effect of Needle Diameter on Diameter of Electrospun Silk Fibroin Nanofibers, 4th RMUTP International Conference: Textiles and Fashion, July 2012, THAILAND.
 30. Sezgin, H, Yalcin, I., Ozturk M.K., **Kizildag, N.**, Nanomaterials in Textile Applications, Materials, Methods and Technologies, 14th International Symposium, June 2012, BULGARIA.
 31. **Kizildag, N.**, Beceren, Y., Kazancı, M., Çukul, D., Relative assessment of The Effect of Solution Concentration, Needle Diameter and Applied Voltage on The Diameter of Electrospun Silk Fibroin Nanofiber, 12th World Textile Conference AUTEX, June 2012, CROATIA.
 32. **Kizildag, N.**, Yalcin I., An Alternative Structure for Use in Construction of Artificial Blood Vessels: Electrospun Nanowebs, Smartex-2011 Conference, November 2011, EGYPT.
 33. **Kizildag, N.**, Beceren, Y., Kazancı, M., Cukul, D., Improvement of the properties of electrospun silk fibroin nanoweb, 20th National Electron Microscopy Congress, October 2011, Antalya, TURKEY.

Projects

Becerren, Y., **Kizildag, N.** (Researcher), "Development of Electrospun Wool and Silk Protein Nanowebs for Medical applications", İ.T.Ü. Scientific Research and Development Support Program (34162), 2010.

Uçar, N., **Kizildag, N.** (Researcher), "Design and development of carbon nanotube incorporated conductive composite nanofiber", İ.T.Ü. Scientific Research and Development Support Program (36165), 2012-September 2014.

Uçar, N., **Kizildag, N.**, "Design and development of composite multifunctional polyacrylonitrile nanofibers and filaments", TUBITAK MAG 112M877, September 2012-September 2015.

Uçar, N., **Kizildag, N.** (Researcher), "Design and development of nanoparticle incorporated composite fibers", İ.T.Ü. Scientific Research and Development Support Program (37676), 2013-..