Prof. YAKUP AYKUT

Personal Information

Office Phone: +90 224 294 0767
Email: aykut@uludag.edu.tr
Web: https://avesis.uludag.edu.tr/aykut
International Researcher IDs
ORCID: 0000-0002-5263-1985
Yoksis Researcher ID: 165763

Education Information

2009 - 2011	Doctorate, North Carolina State University, Fiber and Polymer Science, United States Of America
2008 - 2009	Postgraduate, North Carolina State University, Master of Science, United States Of America
2006 - 2007	Postgraduate, Bursa Uludağ University, SOSYAL BİLİMLER ENSTİTÜSÜ, İşletme/Master of Business Administration (MBA), Turkey
2002 - 2005	Undergraduate, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, Tekstil Mühendisliği Bölümü, Turkey

Certificates, Courses and Trainings

2015	Composite Materials, R&D Management, Northwest Composites Centre - The University of Manchester
2009	Dokusuz Yüzey Teknolojileri Uzmanlığı - The Nonwovens Institute, Project Management, North Carolina State University
2008	Materials Science and Engineering-Garudate Level Courses, Personal Evolution, Celemson University
2007	English Program for Internationals (EPI), Foreign Language, University of South Carolina

Research Areas

Biomedical Engineering, Technical Textiles, Composites, Polymeric Materials, Biomaterials, Nanomaterials, Biosensor, Molecular Biology and Genetics

Academic Titles / Tasks

2021 - Continues	Professor, Bursa Uludağ University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Translational Medicine
2020 - Continues	Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, TEKSTİL MÜHENDİSLİĞİ
2019 - 2020	Associate Professor, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Biomaterials
2015 - 2020	Associate Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, TEKSTİL MÜHENDİSLİĞİ
2014 - 2015	Assistant Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, TEKSTİL MÜHENDİSLİĞİ
2011 - 2014	Research Assistant, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, TEKSTİL MÜHENDİSLİĞİ
2008 - 2011	Research Assistant, North Carolina State University, Fiber And Polymer Science

Courses

2017 - 2018	Nonwoven Product Development, Undergraduate
2017 - 2018, 2016 - 2017	Nanoteknolojiye Giriş, Undergraduate
2017 - 2018, 2016 - 2017	Technical English, Undergraduate
2017 - 2018, 2016 - 2017	Fiziksel Polimer Bilimi, Postgraduate
2017 - 2018	Fonksiyonel Polimerler, Postgraduate
2017 - 2018	Introduction to Nanotechnology, Undergraduate
2017 - 2018, 2016 - 2017	Polimer Bilimi ve Teknolojileri, Undergraduate
2017 - 2018, 2016 - 2017	Dokusuz Yüzey Ürün Geliştirme, Undergraduate
2017 - 2018	Lif Takviyeli Kompozit Malzemeler, Undergraduate
2017 - 2018	Polymer Science and Technology, Undergraduate
2017 - 2018, 2016 - 2017	Polimer Nanokompozitler, Doctorate
2017 - 2018, 2016 - 2017	Polimer Reolojisi ve Prosesleri, Doctorate

Advising Theses

2020	Aykut Y., Eren R., Doctorate, Ü.KOÇ(Student), Yüksek mukavemetli tekstil takviyeli hidrojel kompozitlerin tek aşamalı hazırlanması ve araştırılması
2019	AYKUT Y., Postgraduate, S.Aydın(Student), Sulphuric acid catalized oxıdatıve stabilizaition of polyacrylonitrile nanofibers and their electrochemical sensory usage
2019	Aykut Y., Postgraduate, Y.İREM(Student), Partially transformation of zinc nitrat to zinc compounds on polyvinyl chloride nanofibers at low temperature heat treatment and investigation of the products optical properties
2019	Aykut Y., Postgraduate, A.BOSTANCI(Student), Production of nafion/cellulose acetate hybrid nanofibers and investigation of their use in electrochemical biosensors
2019	Aykut Y., Postgraduate, S.AYDIN(Student), Sülfürik asitle katalizlenmiş poliakrilonitril nanoliflerin oksidatif stabilizasyonu ve elektrokimyasal sensör olarak kullanımı
2019	Aykut Y., Postgraduate, O.USLU(Student), Prepration of bicomponent and blended hdpe / ldpe fibers via melt spinning method and their usage in 3d printers
2017	Aykut Y., Postgraduate, E.YILMAZ(Student), polianilin- -poliakrilonitril hibrit nanoliflerin DNA biyosernsör performansına etkisinin elektrokimyasal olarak incelenmesi
2017	Aykut Y., Postgraduate, Ö.FIRAT(Student), Investigation of solvent effect on the production and antibacterial activity of polycaprolactone/chitosan nanofibers
2017	AYKUT Y., Postgraduate, E.Yılmaz(Student), Electrochemical investigation of the effect of polyaniline-polyacrylonitrile hybrid nanofibers on DNA biosensor performance
2016	DEMİRKAN E., AYKUT Y., Doctorate, N.ALADAĞ(Student), Electrochemically determination of specific nucleic acid sequences hybridization on the nanofiber coated pencil graphite biosensor surface
2016	Aykut Y., Postgraduate, H.ÇEVİK(Student), Protease immobilization on polymer-polymer hybrid nanofiber surfaces

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Investigation of mechanical properties of a novel green composite developed by using enset woven fabric and bioresin materials**
Temesgen A. G., EREN R., AYKUT Y.
Polymer Bulletin, vol.81, no.5, pp.4199-4219, 2024 (SCI-Expanded)

II. **Hemoglobin assisted carbon nanofiber preparation for selective detection of miRNA molecules**
Sahtani K., AYKUT Y., Tanik N. A.
JOURNAL OF INDUSTRIAL TEXTILES, vol.51, no.3_suppl, 2022 (SCI-Expanded)

III. **Natural fibers woven fabric reinforced hydrogel composites for enhanced mechanical properties**
Koc U., AYKUT Y., EREN R.
JOURNAL OF INDUSTRIAL TEXTILES, vol.51, no.4, 2022 (SCI-Expanded)

IV. **Ecofriendly development of electrospun antibacterial membranes loaded with silver nanoparticles**
Irfan M., Uddin Z., Ahmad F., Rasheed A., Qadir M. B., Ahmad S., AYKUT Y., Nazir A.
JOURNAL OF INDUSTRIAL TEXTILES, vol.51, no.2_SUPPL, 2022 (SCI-Expanded)

V. **Paraffin/polyacrylonitrile hybrid nanofibers for thermal hysteresis enhancement of paraffin actuators**
Kutlu A., Eren R., Aykut Y.
Journal of Industrial Textiles, vol.51, no.4, 2022 (SCI-Expanded)

VI. **Lawsone assisted preparation of carbon nanofibers for the selective detection of miRNA molecules**
Sahtani K., AYKUT Y., Tanik N. A.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.97, no.1, pp.254-269, 2022 (SCI-Expanded)

VII. **Regenerated cellulose woven fabric reinforced hydrogel composite**
Koc U., Aykut Y., Eren R.
Journal of the Textile Institute, vol.113, no.5, pp.906-914, 2022 (SCI-Expanded)

VIII. **Cellulose Monoacetate/Tetraethyl Orthosilicate Hybrid Nanofibers for Electrochemical DNA Biosensors**
Civan S., Aydin S., Tanik N. A., AYKUT Y.
FIBERS AND POLYMERS, vol.22, no.4, pp.981-988, 2021 (SCI-Expanded)

IX. **Evaluation of Enset Fabric Reinforced Green Composite as Sound Absorber Structure**
Temesgen A. G., EREN R., AYKUT Y., SÜVARİ F.
TEKSTIL VE KONFEKSIYON, vol.31, no.2, pp.73-81, 2021 (SCI-Expanded)

X. **Green Synthesis of Cellulosic Nanofiber in Enset Woven Fabric Structures via Enzyme Treatment and Mechanical Hammering**
Temesgen A. G., EREN R., AYKUT Y.
TEKSTIL VE KONFEKSIYON, vol.31, no.1, pp.63-72, 2021 (SCI-Expanded)

XI. **Yarn-reinforced hydrogel composite produced from woven fabrics by simultaneous dissolution and cross-linking**
Koc U., Eren R., Aykut Y.
Polymers and Polymer Composites, vol.29, no.2, pp.117-126, 2021 (SCI-Expanded)

XII. **One-step preparation of woven fabric-reinforced hydrogel composite**
Koc U., Aykut Y., Eren R.
Journal of Industrial Textiles, vol.50, no.7, pp.990-1005, 2021 (SCI-Expanded)

XIII. **Guanine oxidation signal amplification in single strand DNA molecules with heat-treated polyacrylonitrile/sulfuric acid micro/nanofibrous system**
Aydin S., Tanik N. A., AYKUT Y.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.32, no.2, pp.599-612, 2021 (SCI-Expanded)

XIV. **Cellulose Monoacetate/Nafion (CMA/N) Hybrid Nanofibers as Interface for Electrochemical DNA Biosensors**
Bostanci A., Tanik N. A., AYKUT Y.
TEKSTIL VE KONFEKSIYON, vol.29, no.3, pp.228-236, 2019 (SCI-Expanded)

XV. **Guanine oxidation signal enhancement in DNA via a polyacrylonitrile nanofiber-coated and cyclic voltammetry-treated pencil graphite electrode**

Tanik N. A., DEMİRKAN E., AYKUT Y.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.118, pp.73-79, 2018 (SCI-Expanded)

XVI. **PREPERATION AND ANTIBACTERIAL INVESTIGATION OF POLYCAPROLACTONE/CHITOSAN NANO/MICRO FIBERS BY USING DIFFERENT SOLVENT SYSTEMS**
Tursucular O. F., ÇERKEZ İ., ORHAN M., AYKUT Y.
TEKSTIL VE KONFEKSIYON, vol.28, no.3, pp.221-228, 2018 (SCI-Expanded)

XVII. **Protease immobilization on cellulose monoacetate/chitosan-blended nanofibers**
DEMİRKAN E., Avci T., AYKUT Y.
JOURNAL OF INDUSTRIAL TEXTILES, vol.47, no.8, pp.2092-2111, 2018 (SCI-Expanded)

XVIII. **Guanine oxidation signal enhancement in single strand DNA with polyacrylonitrile/polyaniline (PAN/PAni) hybrid nanofibers**
Cam E., Tanik N. A., ÇERKEZ İ., DEMİRKAN E., AYKUT Y.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.135, no.3, 2018 (SCI-Expanded)

XIX. **Cellulose monoacetate/polycaprolactone and cellulose monoacetate/polycaprolactam blended nanofibers for protease immobilization**
AYKUT Y., SEVGİ T., DEMİRKAN E.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.134, no.44, 2017 (SCI-Expanded)

XX. **Effects of surfactants on the microstructures of electrospun polyacrylonitrile nanofibers and their carbonized analogs**
AYKUT Y., Pourdeyhimi B., Khan S. A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.130, no.5, pp.3726-3735, 2013 (SCI-Expanded)

XXI. **Synthesis and characterization of silver/lithium cobalt oxide (Ag/LiCoO2) nanofibers via sol-gel electrospinning**
Aykut Y., Pourdeyhimi B., Khan S. A.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.74, no.11, pp.1538-1545, 2013 (SCI-Expanded)

XXII. **Catalytic graphitization and formation of macroporous-activated carbon nanofibers from salt-induced and H2S-treated polyacrylonitrile**
AYKUT Y., Pourdeyhimi B., Khan S. A.
JOURNAL OF MATERIALS SCIENCE, vol.48, no.22, pp.7783-7790, 2013 (SCI-Expanded)

XXIII. **Synthesis of Mixed Ceramic MgxZn1-xO Nanofibers via Mg2+ Doping Using Sol-Gel Electrospinning**
Aykut Y., Parsons G. N., Pourdeyhimi B., Khan S. A.
LANGMUIR, vol.29, no.12, pp.4159-4166, 2013 (SCI-Expanded)

XXIV. **Electrospun MgO-loaded carbon nanofibers: Enhanced field electron emission from the fibers in vacuum**
Aykut Y.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.74, no.2, pp.328-337, 2013 (SCI-Expanded)

XXV. **Templating Quantum Dot to Phase-Transformed Electrospun TiO2 Nanofibers for Enhanced Photo-Excited Electron Injection**
Aykut Y., Saquing C. D., Pourdeyhimi B., Parsons G. N., Khan S. A.
ACS APPLIED MATERIALS & INTERFACES, vol.4, no.8, pp.3837-3845, 2012 (SCI-Expanded)

XXVI. **Enhanced Field Electron Emission from Electrospun Co-Loaded Activated Porous Carbon Nanofibers**
Aykut Y.
ACS APPLIED MATERIALS & INTERFACES, vol.4, no.7, pp.3405-3415, 2012 (SCI-Expanded)

Articles Published in Other Journals

I. **BİKOMPONENT VE KARIŞIM HDPE/LDPE FİLAMENTLERİN ÜRETİMİ VE 3B YAZICILARDA KULLANIMI**
Uslu O., Aykut Y.
TEKSTİL VE MÜHENDİS, vol.28, no.121, pp.1-15, 2021 (Scopus)

II. **Partially Transformation of Zinc Nitrate to Zinc Compounds on PVC Nanofibers at Low Temperature**

Heat Treatment and Investigation of the Products' Optical Properties
Akgül Y. İ., Aykut Y.
Tekstil ve Mühendis, vol.26, no.114, pp.118-124, 2019 (Scopus)

III. **Poliakrilonitril nanolifler içerisinde altıgen kobalt sülfür nanoplaka sentezi**
AYKUT Y.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.1, no.18, pp.47-54, 2013 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Activated Carbon Nanofibers**
Aykut Y., Khan S.
in: Carbon Nanomaterials Sourcebook Nanoparticles, Nanocapsules, Nanofibers, Nanoporous Structures, and Nanocomposites Volume II, Klaus D. Sattler, Editor, CRC, New York , New York, pp.267-285, 2016

Refereed Congress / Symposium Publications in Proceedings

I. **Electrospun carbon nanofibers for patential genetic biosensor applications**
AYKUT Y., Sahtani K., Aladağ Tanik N.
2nd International Conference on Technical Textiles, Faisalabad, Pakistan, 18 - 19 February 2020

II. **PVA ve PVP ultra ince lif kaplı Yün/PVA kumaşlardan hidrojel kompozitlerin üretimi ve zamanla su kaybı tayini**
Bulgurcuoğlu E., Bostancı A., Koç Ü., EREN R., AYKUT Y.
6. Uluslararsı lif ve polimer araştırmaları sempozyumu, Bursa, Turkey, 24 - 25 January 2020

III. **Potential of Ethiopian enset fiber for textile applicaiton**
Temesgen A. G., Turşucular Ö. F., EREN R., AYKUT Y.
6. Uluslararası lif ve polimer araştırmaları sempozyumu, Bursa, Turkey, 24 - 25 January 2020

IV. **Interaction of phosphate-buffered saline on the surface of carbon nanofiber electrodes**
Sahtani K., Aladağ Tanik N., AYKUT Y.
6. Uluslararası lif ve polimer araştırmaları sempozyumu, Bursa, Turkey, 24 - 25 January 2020

V. **Gold and Silver treatment of cellulose monoacetate micro/nano fibers coated pencil graphite electrodes: Electrochemical investigations after DNA immobilizaiton**
Sahtani K., Bostancı A., Aladağ Tanik N., AYKUT Y.
17.ULUSAL 3.ULUSLARARASI TEKSTİL TEKNOLOJİSİ VE KİMYASINDAKİ SON GELİŞMELER SEMPOZYUMU, Bursa, Turkey, 20 - 22 November 2019

VI. **Hydrogel Composite Yarn Prepared From Polyvinyl Alcohol/Cotton Hybrid Yarn**
Koç Ü., EREN R., AYKUT Y.
17.ULUSAL 3.ULUSLARARASI TEKSTİL TEKNOLOJİSİ VE KİMYASINDAKİ SON GELİŞMELER SEMPOZYUMU, Bursa, Turkey, 20 - 22 November 2019

VII. **Interaction of Paraffin with PVA Nanofibers: Effect of the Number of Carbon in Paraffin**
Kutlu A., EREN R., AYKUT Y.
17.ULUSAL 3.ULUSLARARASI TEKSTİL TEKNOLOJİSİ VE KİMYASINDAKİ SON GELİŞMELER SEMPOZYUMU, Bursa, Turkey, 20 - 22 November 2019

VIII. **Development of Self-Healable Syntactic Foams**
Ünal M., Özada Ç., Özer H., Aykut Y., Yazıcı M.
6th INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESEN-2019), Antalya, Turkey, 23 - 27 October 2019, vol.1, pp.273

IX. **HIGH STRENGTH HYDROGEL COMPOSITE PREPARED FROM POLYVINYL ALCOHOL/COTTON WOVEN FABRIC**
Koç Ü., EREN R., AYKUT Y.

AUTEX2019 – 19th World Textile Conference on Textiles at the Crossroads, Gent, Belgium, 11 - 15 June 2019

X. **Electrospun cellulosic hybrid nanofibers for electrochemical DNA biosensor enhancement**
Bostancı A., Aladağ Tanik N., AYKUT Y.
4th international congress on biosensors, Çanakkale, Turkey, 8 - 11 July 2019

XI. **Electrochemical Biosensor Performance of Acid and Heat Treated PAN Nanofiber Coated Graphite Electrode**
Aydın S., Aladağ Tanik N., AYKUT Y.
III. INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGY AND INNOVATION (ICETI), Belgrat, Montenegro, 17 - 21 April 2019

XII. **Electrospun Nanofiber-assited Hydrogel Thin Film on Shaped Surfaces**
AYKUT Y., Aydın S., Koç Ü.
Next Generation Fibers of Smart Products- Fiber Society, Aachen, Germany, 17 - 19 May 2017

XIII. **Caustic Soda Treatment of Electrospun Cellulose Acetate Nanofibers**
AYKUT Y., AKYILDIZ H. İ., Uslu O.
16TH INTERNATIONAL THE RECENT PROGRESS SYMPOSIUM ON TEXTILE TECHNOLOGY AND CHEMISTRY, Bursa, Turkey, 4 - 06 May 2017

XIV. **Guanine signal enhancement at DNA biosensors using metal nanoparticules-mixed silica gel: Applicaiton to hybridization detection on biosensor surface**
ALADAĞ TANİK N., DEMİRKAN E., AYKUT Y.
3th international Congress on Biosensors, Ankara, Turkey, 5 - 07 October 2016

XV. **Comparison of Guanine Signals Received From the PencilGraphite Biosensor Surface Coated with Different Nanofibers**
AYKUT Y., DEMİRKAN E., ALADAĞ TANİK N.
NANOTECH2016, International Conference on Nanotechnology Applications, Valensya, 26 - 27 September 2016

XVI. **Electrochemical Detection of DNA Hybridization on Nanofibers**
Tanik Aladağ N., Çam E., AYKUT Y., DEMİRKAN E.
NanoTR-12 Nanoscience and Nanotechnology Congress, 3 - 05 June 2016

XVII. **Titanium Isopropoxide Magnesium Acetate PVP Composite Nanofibers via Electrospinning**
AYKUT Y.
The Fiber Society2016 Spring ConferenceTextile Innovations—Opportunities and Challenges, Mulhouse, France, 25 - 27 May 2016

XVIII. **Titanium Magnesium Oxide Hybrid Nanofibers**
AYKUT Y.
The Fiber Society 2016 Spring Conference-Textile Innovations—Opportunities and Challenges, Mulhouse, France, 25 - 27 May 2016

XIX. **TEKSTİLDE İMMOBİLİZE ENZİMLERİN KULLANILMASI**
AYKUT Y., DEMİRKAN E., SEVGİ T.
UTIB VIII. ULUSLARARASI AR-GE PROJE PAZARI, Bursa, Turkey, 12 - 13 May 2016

XX. **TEKSTİL YAPILARININ BÖLGESEL OLARAK NANOLİFLERLE FONKSİYONEL MODİFİKASYONU**
AYKUT Y., CAM E.
UTIB VIII. ULUSLARARASI AR-GE PROJE PAZARI, Bursa, Turkey, 12 - 13 May 2016

XXI. **Biyomedikal uygulamalar için propolis katkılı nano yüzeyler**
Orhan M., Şafak Ş., Aykut Y., Karaca E., Özakın C.
UTIB VIII. International RD prokerage event, Bursa, Turkey, 12 - 13 May 2016

XXII. **Antimikrobiyal polykaprolaktam ve polykaprolakton nanoliflerin geliştirilmesi**
TURŞUCULAR Ö. F., AYKUT Y., ORHAN M., ÇERKEZ İ.
UTIB VIII. International RD prokerage event, Bursa, Turkey, 12 - 13 May 2016

XXIII. **AUXETIC ÖZELLİKLİ DOKUMA YAPILARIN TASARIMI VE ÜRETİMİ**
AKGÜN M., AYKUT Y.
Uludağ Üniversitesi V. Bilgilendirme ve ARGE Günleri, Bursa, Turkey, 15 March - 16 April 2016

XXIV. **Auxetic Özellikli Dokuma Yapıların Tasarımı ve Üretimi**

AKGÜN M., AYKUT Y.
Uludağ Üniversitei V. Bilgilendirme ve AR-GE GÜNLERİ 15-16 Mar 2016, Bursa, Turkey, 15 - 16 March 2016

XXV. **EVALUATION OF FINE FIBER STRUCTURES AS AN AFFINITY MATERIAL FOR ENZYMES**
AYKUT Y., Baygın E., DEMİRKAN E., Çevik H.
15th AUTEX World Textile Conference 2015, Bükreş, Romania, 10 - 12 June 2015

XXVI. **"SİLLY PUTTY" YÖNTEMİYLE TEKSTİL YAPILARINA GÜÇ TUTUŞURLUK ÖZELLİĞİ KAZANDIRILMASI**
AYKUT Y., Cankurt S.
15.Tekstil Teknolojisi ve Kimyasındaki Son Gelişmeler Sempozyumu, Bursa, Turkey, 14 - 16 May 2015

XXVII. **Kendi Yırtığını Diken Kumaş**
AYKUT Y.
UTİB 7. Uluslararası Arge Proje Pazarı, Bursa, Turkey, 27 - 29 May 2015

XXVIII. **Yapısıda nanoyaylar bulunan gözenekli ve kokulu nanokapsüller**
Belen T., Gamze F., AYKUT Y.
UTIB 7. Uluslararası Arge Proje Pazarı, Bursa, Turkey, 27 - 29 May 2015

XXIX. **Bikomponent liflerde arayüzeye nanolif aplikasyonu için düze tasarımı**
AYKUT Y., Naime S., Oğuzhan U.
UTİB Uluslararası Arge Proje Pazarı, Bursa, Turkey, 27 - 29 May 2015

XXX. **Fabrication of ceramic porous LiCoOx nanofibrous mesh**
AYKUT Y., Khan S., Pourdeyhimi B.
3rd International Conference on Electrospinning, SAN Francisco, California, United States Of America, 4 - 07 August 2014

XXXI. **Photoluminescence Emission From TiO2-MgO-MgTiO3 Ternary Nanofibrous System**
AYKUT Y.
14th AUTEX World Textile Conference, Bursa, Turkey, 26 - 28 May 2014

XXXII. **Synthesis of porous activated carbon nanofibers via electrospinning**
AYKUT Y., Pourdeyhimi B., Khan S.
International Porous and Powder Materials Symposium and Exhibition, İzmir, Turkey, 3 - 06 September 2013

XXXIII. **One-step synhesis of poly(vynilidene-co-hexafloropropene) (PVDF-co-HFP)/silver nanofibrous system**
AYKUT Y., Pourdeyhimi B., Khan S.
The International Istanbul Textile Congress, İstanbul, Turkey, 30 May - 01 June 2013

XXXIV. **Synthesis of lithium cobalt oxide nanoplates from a nonwoven nanofibrous mat**
AYKUT Y., Pourdeyhimi B., Khan S.
13th AUTEX World Textile Conference, Dresden, Germany, 22 - 24 May 2013

XXXV. **The importance of Rheology and sol-gel chemistry in terms of production of NanoTextiles**
AYKUT Y., Pourdeyhimi B., Khan S.
14th National 1st International Recent Developments, Textile Technology and Chemistry Symposium, Bursa, Turkey, 8 - 10 May 2013

XXXVI. **Gözenekli ve yüksek grafitik yapıda karbon nanolif üretimi ve liflerden verimli electron saçılımı**
AYKUT Y., Khan S., Pourdeyhimi B.
Uludağ Üniversitesi Bilgilendirme ve Ar-Ge Günleri, Bursa, Turkey, 13 - 15 November 2012

XXXVII. **Mesoporous activated carbon nanofiber synthesis from catalytic graphitizaiton of polyacrylonitrile/cobalt sulphide composite**
AYKUT Y., Pourdeyhimi B., Khan S.
The Fiber Society 2012 Fall Meeting and Technical Conference, Boston, United States Of America, 7 - 09 November 2012

XXXVIII. **Akrilik kökenli polimerlerin karbonizasyonuyla geniş yüzey alanına ve porlu yapıda yüksek enerji depolama kapasitesine sahip super kapasitör karbon-metal kompozit nanolif üretimi**
AYKUT Y.
UİB Tekstil ve Konfeksiyon Sektöründe IV. Ar-ge Proje Pazarı, Bursa, Turkey, 2 - 03 February 2012

XXXIX. **Polyester ve co-polyester kökenli polimerlerin proses optimizasyonu sağlamak suretiyle üretim**

maliyetlerini düşürmek amacıyla reolojik olarak incelenmesi ve lif oluşumunu simule edebilen paket program geliştirilmesi
AYKUT Y.
UİB Tekstil ve Konfeksiyon Sektöründe IV. Ar-ge Proje Pazarı, Bursa, Turkey, 2 - 03 February 2012

XL. **Sol-gel electrospinning of ceramic nanofibers**
AYKUT Y., Saquing C. D., Pourdeyhimi B., Khan S.
Nanofibers for the 3rd Millienium, Raleigh, North Carolina, United States Of America, 29 - 31 August 2011

XLI. **Photovoltaic PEDOT:PSS-Fullerene (C60-82) composite nanofibers through electrospinning**
AYKUT Y., Khan s., Pourdeyhimi B.
The Fiber Society 2010 Spring Meeting and Technical Conference, Bursa, Turkey, 12 - 14 May 2010

XLII. **Spontaneous ZnO nanoparticulation on the surface of ZnO nanofibers via sol-gel electrospinning**
AYKUT Y., Pordeyhimi B., Khan S.
The Fiber Society 2010 Spring Meeting and Technical Conference, 12 - 14 May 2010

XLIII. **Photovoltaic ceramic nanofibers-quantum dot nanocomposites via sol-gel electrospinning**
AYKUT Y., Khan S., Pourdeyhimi B.
IDEA 2010 - International Engineered Fabrics Conference Expo by INDA, Miami, Florida, United States Of America, 27 - 29 March 2010

XLIV. **Quantum dot nanoparticulated electrospun ceramic nanofibers**
AYKUT Y., Saquing C. D., Pourdeyhimi B., Khan S.
The Fiber Society 2009 Fall Meeting and Technical Conference, Athens, Georgia, United States Of America, 28 - 30 October 2009

Supported Projects

2018 - 2021	Kendini onarabilen hidrojel matrisli 2D ve 3D kumaş takviyeli akıllı kompozit yapıların geliştirilmesi, Project Supported by Higher Education Institutions
2018 - 2020	Modifiye polimer nanoliflerle genetiği değiştirilmiş gıdaların elektrokimyasal olarak tespiti. Proje No: KUAP(MH) 2018/11, Project Supported by Higher Education Institutions
2014 - 2018	Core/Sheat Nanolif Biyosensörler Yüzeyinde Farklı Spesifik Nükleik Asit Dizilerinin Hibrizasyonunun Elektrokimyasal Olarak Tespiti. Proje No: OUAP(MH) 2018/23, Project Supported by Higher Education Institutions
2014 - 2017	Biyopolimer-nanoparçacık kompozit nanoliflerle enzim immobilizasyonu. Proje No:OUAP(MH) 2014/9, Project Supported by Higher Education Institutions

Metrics

Publication: 81
Citation (WoS): 239
Citation (Scopus): 273
H-Index (WoS): 9
H-Index (Scopus): 10

Scholarships

2008 - 2011	1416 sayılı kanun kapsamında yurtdışı doktora eğitimi bursu, Ministry of Education

Representation and Promotion Activities

2023 - 2023	Institutional Representation, Technical University of Dresden, Germany, Dresden, 2023 - 2023

2018 - 2018	Institutional Representation, University of Boras, Sweden, Boras, 2018 - 2018
2015 - 2015	Institutional Representation, The University of Manchester, England, Manchester, 2015 - 2015
2014 - 2014	Institutional Representation, Technical University of Liberec, Czech Republic, Liberec, 2014 - 2014