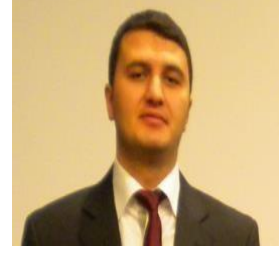


## RESUME



1. **NAME & SURNAME:** Çağlar SIVRI

2. **DATE OF BIRTH:** 07.07.1983

3. **POSITION/TITLE/YEAR:**

Associate Professor Dr./2024 (Bahçeşehir University, Faculty of Engineering and Natural Sciences /ongoing)

Faculty Member/Asst. Prof. Dr. 2018 (Bahçeşehir University, Faculty of Engineering and Natural Sciences)

**Taught Courses:** Technical Textiles, Biomimetic Approaches, Innovation and Creativity Management, New Product and Service Development, Technology and Innovation Management, Technical Textile Structures, Project Work

Instructor/Instructor/2007-2018 (Süleyman Demirel University, Faculty of Engineering)

4. **EDUCATION STATUS:** Ph.D.

Degree	Area	University	Year
Master	Textile Engineering	Suleyman Demirel University	2008
Doctorate	Textile Engineering	Suleyman Demirel University	2014

### 4.1. Biomimetic Fiber Engineering Visiting Researcher

Full Scholarship Visiting Researcher (2009-2013) – KTH Royal Institute of Technology, Center for Biomimetic Fiber Engineering, Stockholm, Sweden.

## 5. ACADEMIC TITLES

**Associate Professor: 26.05.2023 (UAK)**

**Associate Professor Appointment Date: 07.02.2024 Bahçeşehir University, Faculty of Engineering and Natural Sciences-Ongoing)**

**Asst. Prof. Dr. Appointment Date : 01.06.2018 (Bahçeşehir University, Faculty of Engineering and Natural Sciences)**

## 6. Master's and Doctoral Theses

### 6.1. Master's Theses

Investigation of the Comfort Properties of Membrane Laminated Breathable Fabrics. 2005- 2008.

### 6.2. Ph.D. Theses

Development of functional nanofibers having novel architecture and morphologies via electrospinning and electrospaying methods. 2009-2014.

## 7. PUBLICATIONS

### 7.1. Articles published in international peer-reviewed journals (SCI & SSCI & Arts and Humanities)

1. Sivri, Ç., Dayık, M., Aksoy, A., 2015. Development of PEO Nanofibers Having Novel Morphologies via Distance Positioning Apparatus. *The Journal of The Textile Institute*.
2. Çağlar Sivri (2017): Development of Nanofiber Structures Having Novel Morphologies Differentiated with The Help Of Organic Acids, *The Journal of The Textile Institute*.
3. Sivri Ç. (2018) Improvement of Protective and Comfort Properties of Face Masks Using Superabsorbent Polymer Containing Nanofibers, *International Journal of Clothing. Science and Technology*. 30,5; 668-686
4. Sivri, Ç. (2021). Experimental Comfort Evaluation of Baby Diapers In Terms of Liquid Accumulation, Moisture Management and Heat Transfer via Non Destructive Testing. *Textile and Apparel* , 31 (2) , 122-128 . DOI: 10.32710/tekstilvekonfeksiyon.849002
5. Gül, S., Sivri, Ç. and Aksu, O.R. (2022), "The selection of face mask as a personal protective equipment under the spherical fuzzy environment considering technical and material properties", *International Journal of Clothing Science and Technology*, Vol. 34 No. 5, pp. 648-685. <https://doi.org/10.1108/IJCST-07-2021-0095>.
6. Sivri, Ç., Gül, S. and Aksu, O.R. (2022). A Novel Pythagorean Fuzzy Extension of DEMATEL and Its Usage on Overcoat Selection Attributes for Antarctic Clothing. *International Journal of Information Technology & Decision Making*, Vol. 21, No. 02, pp. 821-850.
7. Sivri, Çağlar, and Aminoddin Haji. 2022. "Surface Coating of Needle-Punched Nonwovens with Meltblown Nonwovens to Improve Acoustic Properties" *Coatings* 12, no. 8: 1092. <https://doi.org/10.3390/coatings12081092>.
8. Sivri, Ç., & Haji, A. (2022). Nanofiber production from rose water and mate plant extract solutions using environmentally friendly electrospinning. *Industria Textila*, 73(6), 595-601. <https://doi.org/10.35530/IT.073.06.202294B>.
9. Ivanoska-Dacicj, A.; Oguz-Gouillart, Y.; Hossain, G.; Kaplan, M.; Sivri, Ç.; Ros-Lis, J.V.; Mikucioniene, D.; Munir, M.U.; Kizildag, N.; Unal, S.; et al. *Advanced and Smart Textiles during and after the COVID-19 Pandemic: Issues, Challenges, and Innovations. Healthcare* 2023, 11, 1115. <https://doi.org/10.3390/healthcare11081115>.

### 7.2. SCOPUS and ISI Indexed International Book Chapter

1. Sivri, Ç. (2023). Nano Yarns: Recent Advancements in Production Techniques, Applications & Future Prospects in: *Handbook of Nanofibers and Nanocomposites: Characteristics, Synthesis and Applications in Textiles*. Jenny Stanford Publishing (Copartner of Taylor and Francis Group), New York. <https://doi.org/10.1201/9781003432746>. EISBN: 9781003432746.
2. Büyük A.M., Ateş G., Burghli S., Yılmaz D., Temur G.T., Sivri Ç. (2021) Digital Maturity Assessment Model for Smart Agriculture. In: Durakbasa N.M., Gençyılmaz M.G. (eds) *Digital Conversion on the Way to Industry 4.0. ISPR 2020. Lecture Notes in Mechanical Engineering*. Springer, Cham. [https://doi.org/10.1007/978-3-030-62784-3\\_24](https://doi.org/10.1007/978-3-030-62784-3_24).
3. Özer A.S., Hasani H., Genç E.B., Kutlu N., Temur G.T., Sivri Ç. (2021) Using Best Worst Method for Location Selection of Piezoelectric Tiles. In: Durakbasa N.M., Gençyılmaz M.G. (eds) *Digital Conversion on the Way to Industry 4.0. ISPR 2020. Lecture Notes in Mechanical Engineering*. Springer, Cham. [https://doi.org/10.1007/978-3-030-62784-3\\_3](https://doi.org/10.1007/978-3-030-62784-3_3).
4. Gül S., Sivri Ç., Aksu O.R. (2021) An Extension of DEMATEL Under Pythagorean Fuzzy Environment. In: Allahviranloo T., Salahshour S., Arica N. (eds) *Progress in Intelligent Decision Science. IDS 2020. Advances in Intelligent Systems and Computing*, vol 1301. Springer, Cham. [https://doi.org/10.1007/978-3-030-66501-2\\_30](https://doi.org/10.1007/978-3-030-66501-2_30).
5. Topuz E., Coşkun Ö., Tütek Y., Çakır Ö., Temur G.T., Sivri Ç. (2022) An Innovative Digital Maturity Assessment Model for Smart Cities. In: Rezaei J., Brunelli M., Mohammadi M. (eds) *Advances in Best-Worst Method. BWM 2021. Lecture Notes in Operations Research*. Springer, Cham. [https://doi.org/10.1007/978-3-030-89795-6\\_10](https://doi.org/10.1007/978-3-030-89795-6_10).

### 7.3. SCOPUS Indexed Articles

1. Sivri, Ç. (2021). A Comprehensive Thermophysiological Comfort Analysis of Breathable Membrane Laminated Fabrics. Gazi University Journal of Science, 1-1. DOI: 10.35378/gujs.800301.

### 7.4. Articles Published in International Peer-Reviewed Journals Indexed in Non-SCI and SCOPUS

1. Production Of Bicomponent Gelatin/Olive Oil Nanofibers For Biomedical Applications Using Coaxial Spinneret, Ç.SİVRİ, K.AKSOY and S.DEMİRBAĞ, ACC JOURNAL XIX,2013,103-110.
2. Korkmaz, N., Demirbağ, S., Tözüm, M. S., Alay Aksoy, S., Sivri, Ç., Fabrication of Cross-linked Gelatin Electrospun Nanofibers Containing Rosemary Oil for Antibacterial Application, ACC JOURNAL XX, 1/2014, 39-49.
3. Ç. Sivri, Development of Electrospun Nanofibers Having Novel Morphologies Via Corona Plasma Treatment, J. of Achievements in Materials and Manufacturing Engineering, 76/1 (2016) 36-40.

### 7.5. TR Index Indexed Articles:

1. SİVRİ, C . (2021). Evaluation of Some Thermal Properties of Basalt Fabrics in Terms of End Use. European Journal of Science and Technology, Ejosat 2021 January, 27-31. DOI: 10.31590/ejosat.846954

### 7.6. Papers presented at international scientific meetings and published in the proceedings book

1. Sivri, Ç., “Recent Developments in Textiles for Recreation and Outdoor Activities”. 3rd International Conference on Innovative Academic Studies. September 26-28, 2023 : Konya, Turkey.
2. Sivri, Ç., “Novel Perspectives in Microscopy of Nanofibrous Materials; **Invited Speaker** on Applications of Microscopy & Spectroscopy in the Physical/Chemical Sciences, at all dimensional scales. 10 th International Congress on Microscopy & Spectroscopy (INTERM2023). April 13-19, 2023, Convention Centre of the Liberty Hotels, Lykia /Oludeniz.
3. ”Sivri, Ç., “A Sustainable Approach to The Thermophysiological Analysis of Baby Diapers via Non-Destructive Testing”, 9. International fiber and polymer research symposium, 19-20 November 2021, Uşak University, Uşak, Turkey.
4. Sivri, Ç., “Development Of PEO Nanofibers Having Novel Morphologies via Distance Positioning Apparatus”, 9th Central European Conference CEC 2017 (Fibre – Grade Polymers, Chemical Fibres and Special Textiles), 11-13.09.2017, Technical University, Liberec, Czech Republic.
5. Yavuz, H., Sivri, Ç., Kızıllı, Ç., “Development Of A Novel Delivery System Using Graphene Supported Nanofibers For Controlled Transdermal Release Of Testosterone”. 9th Central European Conference CEC 2017 (Fibre – Grade Polymers, Chemical Fibres and Special Textiles), 11-13.09.2017, Technical University, Liberec, Czech Republic.
6. Sivri, Ç., “Bio-Inspiration of Wood for a Better Impact Absorption”, Fiber Society Congress, Bursa, 2010.
7. Sivri, Ç., “Biomimetics and Bio-Inspired Technical Textiles”, 4. Technical Textiles Congress, Istanbul, 2010.
8. Ekinhan Eriskin, Kemal Armagan, Sebnem Karahancer, Caglar Sivri, Mehmet Saltan, Serdal Terzi. The investigation of Polyamide fiber as an additive in HMA. CETRA 2018, Zadar, Croatia, May 17th-19th 2018 - Bridge SMS.
9. Camcı, A., Temur, G. T., Beşkese, A., Çorum, A., Sivri, Ç., Cevahiroğlu, H. "Industry 4.0 Transformation for the Apparel and Apparel Sector in Turkey". Engineering and Technology Management Summit 2018 – ETMS2018 Proceedings Book, pp. 41-46, ISBN: 978-975-561-497-7, Istanbul.
10. Sonmez, G. And Sivri, Ç. “INDUSTRY 4.0 IN THE NONWOVEN INDUSTRY”. International

Engineering And Technology Management Summit 2019– ETMS2019-ETMS2019 Proceedings Book, pp. 258-266, ISBN: 978-975-561-509-7, Istanbul.

11. Sivri, Ç. ve Dayık, M., “Development of Superior Sound Absorbing Nonwoven Media via Mechanical Nanofiber Spinning Method”, 3. UTİB Textile & Ready Made Clothing Sector R&D Project Brokerage Market, Bursa 2011.
12. Yarar, G., Sivri, Ç. ve Dayık, M., “Introduction of Biomimetic Fiber Engineering to the Nonwovens Sector”, 4. UTİB Textile & Ready Made Clothing Sector R&D Project Brokerage Market, Bursa, February 2012.
13. Sivri, Ç., M. Yigit, M., KURU, S., Sarıbulut, A.G., “Designing of Disposable Nonwoven Underwear Media Using Hydroentanglement Process-DISPOSTECHTEX”, 4. UTİB Textile & Ready Made Clothing Sector R&D Project Brokerage Market, Bursa February 2012.
14. Alkan, C., Sivri, Ç., Alay Aksoy, S., 2012. "Production of Thermal Adaptive Functional Insulation Materials for Automotive Applications", UIB IV. International R&D Project Market, 2-3 February 2012, Bursa, Turkey.
15. Sivri, Ç. and Dayık, M., “Development of Superior Sound Absorbing Nonwoven Media via Mechanical Nanofiber Spinning Method”, EDANA Nonwovens Research Academy 2012, Gothenburg, Sweden, 19-20 April, 2012.
16. Sivri, Ç., Dayık, M., Aksoy, A., S., “Production of 3D Nanofibers for Functional Applications”, UTİB Textile & Ready Made Clothing Sector R&D Project Brokerage Market, Bursa 2013.
17. Sivri, Ç., Aksoy, K., Demirbag, S. “Production Of Bicomponent Gelatin/Olive Oil Nanofibers for Biomedical Applications Using Coaxial Spinneret”. 8<sup>th</sup> International Conference - TEXSCI 2013, Technical University of Liberec, Faculty of Textile Engineering, Liberec, Czech Republic, 23-25 September, 2013.
18. Sivri, Ç., Goktepe, O., Hes, L., Sem Study of Coated and Laminated Breathable Fabrics in Terms of Water Vapour Permeability, 1. International Conference on Sustainable Composite Technologies (SucoTech), 3-5 Kasım 2014, Isparta.
19. Kodaloğlu, M., Canbolat, M., F., Sivri, Ç., 2014. Natural Plant Extract Ant and Moth Repellent Textile Surface Production. 6th UTİB Textile & Ready Made Clothing Sector R&D Project Brokerage Event, Bursa February 2014.
20. Altınay, Ö., Sivri, Ç., 2014. 6th UTİB Textile & Ready Made Clothing Sector R&D Project Brokerage Event, Bursa February 2014.
21. Sivri, Ç., Dayık, M., Aksoy, A., S., 2014. 3d Nanofibers with Novel Architectures. 6th UTİB Textile & Ready Made Clothing Sector R&D Project Brokerage Event, Bursa February 2014.
22. Sivri, Ç., Memiş, U., 2015. Development of Domestic Basalt Fiber Production Process and Facility from Turkey's Basalt Rocks. Utib is ranked 7th in the Turkish Textile and Apparel Sector. International Project Market, Bursa, May, 2015.
23. Kara U., Sivri, Ç., 2015. Radiological Armoring Surface Production from Chitins of Arthropods. Utib is ranked 7th in the Turkish Textile and Apparel Sector. International Project Market, Bursa, May, 2015. 18- Sivri, Ç. Corona Plasma Treated Nanofibers Having Novel Morphologies".
24. 16th International Materials Symposium, Pamukkale University, Congress and Culture Center, Denizli, 13 October 2016.
25. SİVRİ, Ç. Steiner Minimal Tree Compatible Biomimetic Nanofibers. 1st International Symposium on Fiber and Polymer Research. 13-14 May 2016. Merinos Congress Center, BURSA
26. Sivri, Ç., Karahançer, Şs., Erişkin, E., Saltan, M. and Terzi, S., "Reducing the Sensitivity of Asphalt Mixture to Moisture by Using PTFE and Nylon Waste Fiber", UTIB Turkey Textile and Apparel

Sector 9. International R&D Project Market. 27-28.04.2017, Bursa, Turkey.

27. Sivri, Ç and Kızıl, Ç., "Graphene/Epoxy Additive High Strength Flexible Resistance Carbon Fiber Production", UTIB Turkey Textile and Apparel Sector 9. International R&D Project Market. 27-28.04.2017, Bursa, Turkey.
28. Şahin, A., Kızıl, Ç. and Sivri, Ç., "Smart Clothing Design That Can Track Muscle Activity", 6th TET Electrical, Electronics and Service Exporters' Association R&D Project Market, 06-07.09.2017, Istanbul, Turkey.
29. Sivri, Ç and Kızıl, Ç., "Development of New Generation Smart Food Packaging with Superior Features", 5. International Food R&D Project Market, 25.05.2017, Izmir, Turkey.

#### **7.7. Articles published in national peer-reviewed journals**

1. Sivri, C., 2008. Frequently Used Test Methods, Devices and Standards in the Nonwovens Industry. *Electronic Journal of Textile Technologies*. 2 (1), 19-25.
2. Sivri, C., 2008. Super Absorbent Materials: Production and Use in the Nonwovens Industry. *Electronic Journal of Textile Technologies*. 2 (1), 47-50.
3. Sivri, C., 2008. Functional Approaches in Maritime and Space Applications with Kite Sailing Technology. 2 (2), 31-43.
4. Sivri, C., 2008. *Textile Technologies Electronic Journal*, 2 (2), 23-29.
5. Ugur, S., Sivri, C., 2008. Comparison of Water Vapor Permeability Measurement Methods in Textile Materials", *Electronic Journal of Textile Technologies* 2(3).

#### **7.8. Papers presented at national scientific meetings and published in the proceedings book**

1. Çağlar SİVRİ, Murat ÖZTÜRK, Ali ŞENKAYNAKGI, "Multifunctional Technical Textiles and Smart Clothing in Search and Rescue in Nature", Search and Rescue in Nature Symposium, Hacettepe University, pp 28,1-3 April 2011.
2. Murat ÖZTÜRK, Ali ŞENKAYNAKAĞI, Çağlar SİVRİ, "Nature Friendly and Auxiliary Energy Sources in Nature", Search and Rescue in Nature Symposium, Hacettepe University, pp 33, 1-3 April 2011.

### **8. PROJECTS**

#### **Taking part in a project supported by national organizations**

1. Ahmet Beşkese, Gül Tekin, Temur Arslan, Alper Camcı, Adnan Çorum, Çağlar Sivri and Hüseyin Cevahiroğlu. "Industry 4.0 Integration in the Ready-to-Wear and Apparel Industry" UR-GE project. With the support of the Ministry of Commerce of the Republic of Turkey and Uludağ Ready-to-Wear and Apparel Exporters' Association (UHKİB), in cooperation with the Bahçeşehir Industry 4.0 working group.
2. YARAR, G., SİVRİ, Ç. and DAYIK, M., "Introduction of Biomimetic Fiber Engineering to the Nonwoven Industry", Tübitak 2209 Projects.
3. SİVRİ Çağlar, DAYIK Mehmet "Development of Superior Sound Absorbing Nonwoven Surface by Mechanical Nanofiber Spinning Method" SDU-BAP Project No. 2966-D-11, 13.12.2011.

### **9. MEMBERSHIPS TO SCIENTIFIC AND PROFESSIONAL ORGANIZATIONS**

1. Fiber Society- America-based Textile Organization Membership-2008 to present.

### **10. PATENTS**

#### **11.1. National patents**

1. Çağlar SİVRİ (Inventor), "Production of Dental Threads from Miswak Fibers". Issue Date:

21/10/2021. Registration No: TR 2019 21722 B. Bahcesehir University.

2. Çağlar SİVRİ, Sertaç GÜNEY (Inventors), "Negative poisson ratio-based shock absorbency improved new generation airbag – airbag auxetica". Issue Date: 21/06/2023.

## 11. AWARDS

### 11.1. International Scientific Award in the Field

1. Sivri, Ç. and Düzenli B., "Improvement of Shock and Sound Absorbing Performance of Motorcycle Helmets with Aerogel & Meltdown". UTİB IX. International R&D Project Market in the Turkish Textile and Apparel Sector Second Prize. Prize content: 5000 TL.
2. Sivri, Ç., "Nature-Inspired Environmentally Friendly Nano-Micro-Bio Composite That Can Effectively Collect Solar Energy". TET Electrical, Electronics, Informatics Exporters' Association International 5. R&D Project Market 'Energy Generation, Transmission and Distribution Applications' Category Third Prize, April 6, 2016. Prize content: 7500 TL cash prize and Borsa Istanbul Private Market (BIST) Membership.
3. Buluş, E., Buluş, G.S., Buluş, F., Sivri, Ç., Akkaş, M. "Development of New Generation and Sustainable Plant Breeding Materials with Innovative Nonwovens", TEKNOFEST 2022 International Agricultural Technologies Competition University and Above Level Turkey Third.
4. Future Materials Awards 2014. Sivri, Ç., "Finalist in the Category of Innovator of the Year". 26 November 2014, Dresden, Germany/One of the 5 most innovative people of the year in technical textiles worldwide.
5. Edana (European Disposables and Nonwovens Association) Nonwovens Innovation Academy Award, Brussels. Sivri, Ç., Dayık, M., 2013. "Development of Novel 3D Nanofibers for Biomedical&Functional Applications".
6. Edana (European Disposables and Nonwovens Association) Nonwovens Research Academy 2012 Award, Brussels. Sivri, Ç., Dayık, M., 2011. "Development of Superior Sound Absorbing Nonwoven Media via Mechanical Nanofiber Spinning Method".

### 11.2. National Scientific Award in the field (excluding congress, symposium and paper awards)

1. Sivri, Ç, Önem, E., Mert Sivri, F., "Development of New Generation Anti-Pathogenic Plant Breeding Materials with Orange Peel Doped Texture Surfaces", ANTALYA TEKNOKENT, WITH THE COOPERATION OF ATSO AND TÜRKTOB 7. PLANT BREEDING PROJECT MARKET (BIPP), Second Prize, ANTALYA ANFAŞ FAIRGROUND, Award content: 15000 TL cash prize.
2. Sivri, Ç., "Phase Change Substance-Based Battery Cooler Smart Filter for Electric Vehicles". Istanbul Chemicals and Products Exporters' Association (İKMİB) is the 11th in the Chemicals and Products Sector. R&D Project Market Third Prize in the 'Plastic and Rubber' Category, 10 December 2022. Prize content: 25000 TL cash prize.
3. Sivri, Ç., "Development of a Virus-Protective Air Conditioning Filter for Automobiles and Public Transportation Vehicles", Adana Organized Industrial Zone Industry-Oriented R&D and Innovation Project Competition, Second Prize in Academician Category Thematic Area 1, 22 June 2021. The award includes: 20000 TL cash prize and Incubation Support in Technopark.
4. Sivri, Ç., "PP/PVA/SAP Nonwoven/Nanofiber Composite Virus Protective and Comfortable Laboratory Mask" Istanbul Chemicals and Products Exporters' Association (İKMİB), 7th Annual Laboratory Mask in the Chemicals and Products Sector. First Prize in the 'Basic Chemicals' Category of the R&D Project Market, November 11, 2017. Prize content: 15000 TL cash prize.
5. Sivri, Ç. and Güney, S. "Development of a New Generation Airbag That Can Replicate the Shape of the Body Based on Negative Poise Ratio". Gedik University National Innovation-Oriented Advanced Material Technologies Development and Entrepreneurship Project Market Second Prize.

12 June 2019. Prize content: 3000 TL cash prize.

6. Kara, U. and Sivri, Ç. "Furniture Design and Component Design with Electromagnetic Shielding Feature Specially for Baby Rooms". Mediterranean Furniture, Paper and Forest Products Exporters' Association, 4. Furniture R&D Project Market 'Smart Product Applications' Category First Prize, 28 October 2016. Prize content: 15000 TL cash prize.
7. Sivri, Ç. "Natural Shape Memory Self Healing Furnitures Development with Natural Epoxy Resin Doped Shape Memory Polymer Support". Mediterranean Furniture, Paper and Forest Products Exporters' Association, 4. Furniture R&D Project Market 'Smart Product Applications' Third Prize in the category, 28 October 2016. Prize content: 5000 TL cash prize.
8. Sivri, Ç. and Boyraz, E. "Development of New Generation Cord Fabrics with Tension Absorbing Surface Support". Automotive Exporters' Association, 5. Automotive R&D Project Market, Second Prize, April 6, 2016. Award content: 7.000 TL Cash Prize, Promotion of the Office and Project to the Automotive Sector at ITU Çekirdek & Joint Product Development Cooperation Decision with Kordsa.
9. Sivri, Ç., "Development of Multilayer Noise-Absorbing Textile Surface with Micro and Nano Nonwoven Surface Technology for the Automotive Industry". Automotive Exporters' Association, 3. Automotive R&D Project Market, Third Prize, April 2014. Award content: 20,000 TL Cash Prize and Promotion of the Project to the Automotive Sector.
10. Sivri, Ç., "Zebra Skin-Inspired Fly Repellent Biomimetic Textile Surface Production-Zebrepel". Textile Employers' Union & Turkish Textile Foundation Intercollegiate Innovation Competition Third Prize, May, 2012. Award content: 10.000 TL Cash Prize and Full Support of Germany Technical Textile 2013 Fair Participation.

## **12. EDITOR OF THE INTERNATIONAL SCIENTIFIC PORTAL**

1. Curator and Editor Work for the Lotus Flower Strategy Page-Hydrophobic Surface Allows Self-Cleaning: Sacred lotus. AskNature Project, Biomimicry Institute, Montana, USA (2009- Ongoing).
2. EOL (Encyclopedia of Life). Lotus Flower & Self Cleaning.

## **13. PUBLICATION ACTIVITIES IN WRITTEN OR VISUAL MEDIA AT NATIONAL OR LOCAL LEVEL**

1. Invited speaker on "Smart Clothes" on TRT Ankara Radio's HAYAT SAHNESİ Program, Wednesday, May 18, 2011, 15:30-16:00.
2. Invited speaker on "Nature Friendly Energy Sources" on TRT Ankara Radio's BLUE BILYE Program, Wednesday, May 11, 2011, 15:30-16:00.

## **14. TAKING PART IN EVENTS SUCH AS ORGANIZING INTERNATIONAL SYMPOSIUMS, CONGRESSES, COURSES (WORKSHOPS)**

1. Guest Lecturer "Development of Functional Nanofibers Having Novel Architecture and Morphologies Via Electrospinning and Electrospaying Methods. AUT Winter School of Nanofibers, Applications and Technology, January-February 2022 (Online).
2. Bioinspired Forum: Biomimetics & Fibers. Albanova/KTH Stockholm, SWEDEN, October 15, 2009. The Effort Fully Funded by a Visiting Research Fellowship Granted by Swedish Center for Biomimetic Fiber Engineering.
3. Workshop on Textiles & Ready Made Clothing Sector in Turkey. EU FP6 FashionNet Project& KOSGEB. September, 2005. Etap Altinel Hotel, Ankara, TURKEY.
4. Spokesman and Reporter on Behalf of Turkey, "International UNIDO Workshop on Environmentally Friendly and Sustainable Textile Production". 19 October-01 November 2011. Organized in co-operation between Unido & Tubitak & Tika & Turkish Ministry of Science, Technology and Science. Tubitak Butal Facilities, Bursa, Turkey.

5. 1st International Conference on Sustainable Composite Technologies (SuCoTech 2014), Süleyman Demirel Üniversitesi, 3-5 Kasım, 2014, Technical Committee Member.

#### **15. RECEIVING INTERNATIONAL SCHOLARSHIPS FOR SCIENTIFIC RESEARCH AND STUDIES IN THE FIELD\***

\* Study visits were made in 18 different countries in Europe, with a duration of 1 week to 6 months.

1. Technical University of Liberec, Faculty of Textile Engineering, Department of Textiles Evaluation, Czech Republic. "The Development and Characterisation of Breathable Fabrics that Coated and Laminated by a Breathable Micro-Film for a Better Comfort and Performance". Erasmus LLP Funded for 6 Months Stay (2006).
2. Offering 7 Project Subjects having a patentable potential on Technical Textiles within Biomimetic Fiber Engineering. KTH, Royal Institute of Technology, Graduate School for Biomimetic Fiber Engineering, Stockholm, SWEDEN (2009).
3. Bio-Inspired Technical Textiles for a Better Impact Absorption, Nature Inspired Surface Engineering for High Value Added Materials, Understanding of Wood Structure to Develop Nano/Bio Composites Synthesis of Dendrimer & Star Branched Polymers for a Better Drug Delivery & Nanomedicine, KTH, Royal Institute of Technology, Swedish Center for Biomimetic Fiber Engineering & Graduate School for Biomimetic Fiber Engineering, Stockholm, SWEDEN (2010).
4. Wood Biology: Its Analysis and Characterisation at Nano Level for a Better Composite Design. Course & Workshop. Umeå Plant Science Centre, Umeå, SWEDEN (2010).
5. Micro-Sustainable Design and Eco-Friendly Products IP Project Funded Participant. Vilnius College of Design, 14-30 April 2012, Vilnius, LITHUANIA.
6. Development of New Generation of Nonwovens for Hygiene and Industrial Applications. Nonwovens Innovation and Research Institute Ltd., Leeds, UK.

#### **16. TO SERVE AS A SPEAKER OR PANELIST IN EVENTS SUCH AS PANELS, CONFERENCES, SEMINARS, OPEN SESSIONS AND INTERVIEWS RELATED TO THE FIELD**

1. Sivri, Ç. Development of Bio-Degradable Nonwoven Disposable Underwear Media using Spunlace Technology, EU FP6 FashionNet Project Twinning Seminar- Dispostechtext (Turkey & Spain), Foreign Trade Center Fair Complex, Conference Hall, Istanbul, 28 - 29 April 2005.
2. Sivri Ç. Invited Speaker and Reporter on Behalf of Turkey at "International UNIDO Workshop on Technical Textiles & Nonwovens Industry". 08-19 September 2015 TÜBİTAK
3. Sivri Ç. Invited Speaker and Reporter at "International Workshop on Environmentally Friendly and Sustainable Textile Production" Organized in co-operation between Unido & Tubitak & Tika & Turkish Ministry of Science, Technology and Science. Tubitak Butal Facilities, 19 September-1 November 2011 Bursa & Istanbul, Turkey.
4. Development of New Generation Sustainable and High-Tech Products Based on Fiber and Polymer Inspired by Polar Creatures through Biomimicry, Polar (Arctic and Antarctic) Science Program Workshop, 12-13 April 2017, Istanbul Technical University, Süleyman Demirel Congress Center, Istanbul, Turkey.

#### **17. FOREIGN LANGUAGE**

**İngilizce:** ÜDS: 91,25 TOEFL PBT: 553 IELTS: 6.5 Cambridge University Business English Certificate Owner

**Almanca:** Grundstufe 2

**Czech:** Lower intermediate



## **18. ROLE OR CONTRIBUTION IN PUBLIC AND PRIVATE INSTITUTIONS AND ORGANIZATIONS**

1. The Union of Chambers and Commodity Exchanges of Turkey (TOBB) Expert Group, Textile Expert.
2. Under the auspices of the Presidency of the Republic of Turkey, Ministry of Science, Industry and Technology National Polar Science Program (2018-2022) - Biotechnology and Materials Research Group Coordinatorship
3. European Union Context Working Group 1 On Healthcare & Medicine Academic Member (2019)
4. SDU 1. R&D Project Market Coordinator – 2018

## **19. CONSULTANCIES & UNIVERSITY-INDUSTRY COLLABORATIONS**

1. Planning and Coordination of United Nations Industrial Development Organization (Unido) Technical Textile Workshops
2. Turkish Clothing Manufacturers' Association (TGSD) Leadership Technical Textile Clustering Studies Planning & Coordination Team Member
3. Consultancy for the Preparation of Capacity Reports of Textile Companies within TOBB (2017-....)
4. T.R. Ministry of Commerce and Uludağ Ready-to-Wear and Apparel Exporters' Association Industry 4.0 Integration in the Ready-to-Wear and Apparel Sector" Textile Field Consultancy for your-Ge Project
5. Aegean Exporters' Associations (EIB) Personal Protective Equipment (PPE) & Medical Textile Development Project Consultant (In Preparation)

## **20. PATENT APPLICATIONS**

1. Gülseren SAKARYA BULUŞ, ÇAĞLAR SİVRİ, ERDİ BULUŞ (INVENTORS), "MUCOADHESIVE NANOTECHNOLOGICAL COMPOSITE MEMBRANE FOR INTERMEDIATE TISSUE REGENERATION" (2023-under review).