

Curriculum Vitae

Fawzy Sherif

Textile and Clothing Technology (B.Sc, M.Sc)

Mechanical Engineering, Technical Textiles (PhD, Postdoc)

Current position: Ass. Prof, Department of Textile & Clothing Technology, Faculty of Home Economy, Menoufia University, Egypt.

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EDUCATION

- **Doctorate (Dr.- Eng), 2011**

Institute of Textile Machinery and High Performance Materials Technology (ITM), Mechanical Engineering Faculty, Technische Universität Dresden (TUD), Germany.

Thesis: Multifunctional Textile Cast for Radius Fracture as an Example of Bones Fractures.

- **Master (M. Sc), 2004**

Textile and Clothing Technology Department, Faculty of Home Economy, Menoufia University, Co-operation with National Research Centre (NRC), Egypt.

Thesis: Utilization of New Scientific and Technological Techniques for Flame Retardant Garment Production.

- **Bachelor (B. Sc), 1999**

Textile and Clothing Technology Department, Faculty of Home Economy, Menoufia University, Egypt.

Courses: Textile design, Fashion design, Textile & clothing manufacturing, Pattern design, Marketing, Work management, several undergraduate courses.

WORK EXPERIENCE

- **Jul 2017 – present**

Ass. Prof, Department of Textile & Clothing Technology, Faculty of Home Economy, Menoufia University, Egypt.

- **Jun 2022 – Sep 2022**

Postdoc visiting scientist, Department of Textiles, Merchandising and Fashion Design, College of Human Ecology, Seoul National University (SNU), South Korea.

Project: *Comfort concepts of functional clothing.*

- **Okt 2021 – Apr 2022**

Postdoc visiting scientist, RCCF research center, Institute of Textile Machinery and High Performance Materials (ITM), Technische Universität Dresden (TUD), Germany.

Project: *Development of environmental precursors for manufacturing of carbon fibers.*

- **Nov 2018 – Mar 2019**

Postdoc visiting scientist, Green Chemistry research group (Electrospinning), DTNW Research Center, Duisburg-Essen University, Germany.

Project: Effect of electrospinning parameters on production of PAN nanofibers

- **Mar 2018 – Jul 2018**

Postdoc visiting scientist, Biomimetic Membranes and Textiles Research Group, Swiss Federal Laboratories for Materials Science and Technology (Empa), Switzerland.

Project: Impact of microclimate air gaps on flash fire protective performance of clothing at different working postures of firefighters.

- **May – Jun 2015**

Postdoc visiting scientist, Institute of Textile Machinery and High Performance Materials Technology (ITM), Mechanical Engineering Faculty, Technische Universität Dresden (TUD), Germany.

- **May 2011 – June 2017**

Lecturer, Department of Textile and Clothing Technology, Faculty of Home Economy, Menoufia University, Egypt.

- **Jan 2007 – Apr 2011**

Researcher (PhD student), Institute of Textile Machinery and High Performance Materials Technology (ITM), Mechanical Engineering Faculty, Technische Universität Dresden (TUD), Germany.

- **Jun 2004 – Dez 2006**

Assistant lecturer, Department of Textile and Clothing Technology, Faculty of Home Economy, Menoufia University, Egypt.

- **Jun 2001 – May 2004**

Teaching assistant, Master student, Department of Textile and Clothing Technology, Faculty of Home Economy, Menoufia University, Egypt.

- **Aug 2000 – May 2001**

Quality controller for textile and clothing products. Industrial Quality Control Association, Ministry of Industry, Cairo, Egypt.

PUBLICATIONS

- El Tahlawy. K.; Eid. R.; Sherif. F.; Hudson. S.: Chitosan: A new route for increasing the efficiency of stannate/phosphate flame retardants on cotton, The Journal of the Textile Institute (TJTI) Vol. 99. Issue 2, 2008.
- Sherif. F.; Roedel. H.; Hund. R.; Cherif. C.: The effect of air-proof surface coating on the physical properties of spacer fabrics, Technische Textilien - Technical Textiles, Vol.53, Issue 6, 2010

- Sherif. F.; Roedel. H.: Technical Textiles as a New Route to Enhance Orthopedic Casts' Properties, International Journal of Clothing Science and Technology, Vol 23, Issue 1, 2011.
- Sherif. F.; Roedel. H.: A light weight, washable and comfortable pneumatic cast, Technical Textiles International Newsletter, December 2010.
- Sherif. F.; Roedel. H.: Medical applications of technical textiles, 2nd International Workshop of the Alumni Network "Education and Technology Transfer for the Transition from Mass Production to Premium Garment Products", Dhaka, Bangladesh, 2010.
- Sherif. F.; Roedel. H.: Treatment of hand radius fractures: new trend by using technical textiles, Managing Innovation in Textiles International Conference, The Textile Institute, Manchester, England, 2010.
- Sherif. F.; Hund. R.; El Nahas. R.: Air-proof surface coating for 3D spacer fabric and the effect on its Physical properties, The 88th Textile Institute World Conference, Shah Alam, Malaysia, 2012.
- Sherif. F.: Technical textiles for medical treatment - specially bone fixing, Global Textile Congress, Bangkok, Thailand, 2015.
- Sherif. F.: New prospects to enhance the commercial and economical status in textile industry, International Design Journal, Volume 6, Issue 1, pp 141-147, 2016.
- Psikuta. A.; Sherif. F.; Mert. E.; Mandal. S.; Annaheim. S.: Clothing air gaps in various postures for firefighters at work, 9th European conference on Protective Clothing, Hohenstein, Stuttgart, Germany, 2020.
- Sherif. F., Kruppke. I., Richter. M., Cherif. C.: Development of porous polyacrylonitrile based precursor fibers using nanocellulose additives for manufacturing, Journal of Porous Materials, submitted on 25 July 2022 (in process).

PUBLICATIONS IN ARABIC

- Al-Sayed. N., Sherif. F.: Extraction of a natural dye from Myrtle plant for 100% cotton knitted fabrics, Journal of Home Economics, Menoufia University, Vol. 3, 2015.
- Sherif. F.: Effect of technical textiles used in sports shoes on the properties of wearing comfort, Scientific Journal of Applied Human Sciences, Faculty of Home Economics, Helwan University, Vol. 2, 2016.
- Ghazi. H., Sherif. F., Al-Rifai. M.: Developing a new program by using websites facilities to increase the efficiency of technical management in garment factories, Journal of Home Economics, Menoufia University, Vol. 3, 2016.
- Sherif. F., El-Sayed. N.: Descriptive study of medical textiles, and how to open new markets in Egyptian textile industry, Journal of Specific Education Research, Al-Mansoura University, Vol. 6, 2017.
- Sherif. F.: The role of technical textiles in improving the wearing comfort of bandages used for athletes' injuries, Scientific Journal of Specific Education Sciences, Tanta University, Vol. 5, 2017.
- Sherif. F.: Study of firefighters protective clothing and the factors that affect them, Journal of Specific Education Research, Menia University, Vol. 5, Issue. 26, 2020.

- Sherif, F.: Utilization of 3D scanning technique to enhance accuracy level during body measuring, Journal of Specific Education Research, Menia University, Vol. 7, Issue. 33, 2021.
- Sherif, F.: Utilizing electro-spinning technique in various functional textiles industries, International Design Journal, Vol. 11, Issue. 2, 2021.

GRANTS & AWARDS

- **PhD scholarship**, Institute of Textile Machinery and High Performance Materials (ITM), Technische Universität Dresden (TUD) Germany, organized by Egyptian ministry of higher education, Cairo, Egypt, 2007.
- **Nominated for the International Theophile Legrand Award** for Textile Innovation, ENSAIT organization, Roubaix, France, 2010.
- **Associateship** of the Textile Institute (CText ATI), The Textile Institute (TTI), The England Worldwide Organization for Textiles including Clothing and Footwear. Manchester, England, 2012.
- **Postdoc scientific exchange**, Biomimetic Membranes and Textiles Research Group, Swiss Federal Laboratories for Materials Science and Technology (Empa), Switzerland, organized by Swiss National Science Foundation (SNSF), Switzerland, 2018.
- **Postdoc scientific scholarship**, DTNW Research Center, Krefeld, Germany, organized by Egyptian ministry of higher education, 2019.
- **Postdoc scientific fellowship**, RCCF research center, Institute of Textile Machinery and High Performance Materials (ITM), Technische Universität Dresden (TUD) Germany, organized by DRESDEN fellowship programme, TUD, 2021.
- **Postdoc scientific exchange**, Department of Textiles, Merchandising and Fashion Design, College of Human Ecology, Seoul National University (SNU), South Korea, organized by SNU University, 2022.

ACTIVITIES & SKILLS

- Regional ambassador of Technische Universität Dresden (TUD) in Egypt.
- Member of The Textile Institute (TTI). The Worldwide Organization for Textiles including Clothing and Footwear. Manchester, England.
- Member of the German Arab Chamber of Industry and Commerce (GACIC), Egypt.
- Language skills: Arabic (Native language)
German (Business mastery)
English (Business mastery)

RESEARCH & COURSES INTERESTS

- Quality control for clothing and textiles.
 - Clothing Comfort & Clothing Process Technology.
 - Protective Clothing.
 - Technical Textiles Applications.
 - Development of Medical Textiles.
 - Nanofibers & Electrospinning.
 - Textile Finishing & Surface Coating.
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Referees:

- **Prof. Dr. Chokri Cherif**, Chef of Institute of Textile Machinery and High Performance Materials Technology (ITM), Mechanical Engineering Faculty, Dresden University of Technology (TUD), Germany.
- **Prof. Dr. Hartmut Roedel**, Institute of Textile Machinery and High Performance Materials Technology (ITM), Mechanical Engineering Faculty, Dresden University of Technology (TUD), Germany.
- **Prof. Dr. Kim Gandhi**, The Textile Institute (TTI). The Worldwide Organization for Textiles including Clothing and Footwear. Manchester, England.
- **Dr. Simon Annaheim**, Swiss Federal Laboratories for Materials Science and Technology (Empa), Switzerland.
- **Dr. Khaled Tahlawy**, Director of New Product Development & Innovation, Shurtape Technologies, LLC, North Carolina, USA.