

Izabela Ciesielska-Wrobel, PhD

Assistant Professor

University of Rhode Island, College of Business, Department of Textiles, Fashion Merchandising and Design

SUMMARY

- Versatile textile engineer and researcher having 15+ years of experience with textile structures designing, prototyping, innovation, testing, producing, and teaching.
- Efficient and meticulous when writing project proposals, technical documentation, designing, and performing tests. Passionate about science.
- Excellent management, communication, and leadership skills.
- Capable of conducting high-quality independent and team multidisciplinary studies, for which I have successfully obtained funding. The total amount of financing awarded in the European Union (EU) was €515,000 and in the United States (U.S.) over \$ 1 mln.

PROFESSIONAL EXPERIENCE

June 2021 – present: University of Rhode Island

Location: Kingston, RI, US

Position: Assistant Professor

Main activities:

- Principal Investigator (PI) of Assessment of recycled materials converted into textiles and their tendency to shed microfibers during laundry (URI seed grant \$29,866; Y2022/2023)
- Principal Investigator (PI) of Knit & Wear technology with computer-aided textile designing and manufacturing (\$125,605 from Champlin Foundation; Y2022/2023)
- PI of VectorShield - SmartWear: Intelligent Textile-Based Wearable for Release of Mosquito Repellent (\$10,000 from Rhode Island Life Science Hub; Y2024/2025)
- Co-PI of Investigation of Quiet Bunks for Improved Rest on Submarines (\$230,200 from National Institute for Undersea Vehicle Technology; PI – Prof. V. Maier-Speredelozzi, URI; Y2024-2026)
- Co-PI of Safety & Ergonomics Redesign of Cooling Vests for Welders (\$553,800 from National Institute for Undersea Vehicle Technology; PI – Prof. V. Maier-Speredelozzi, URI; Y2024-2026)
- Diversity, Equity, and Inclusion mini-grants from the College of Business:
 - 2024: 3D polyjet printing on textiles for the visually impaired (\$1500)
 - 2023: Preference of visually impaired and blind individuals for Braille on textiles (\$1000)
- RISE–UP Fellowship; incorporation of the Lean Startup methodology into Textile Science course (\$10,000; 2023/2024)
- Research partnership with Kestrel Innovative Fibers, LLC; Manufacturing Voucher from the Chamber of Commerce in RI; (\$54,800.00; including \$1,400 for URI in Y2024/2025)
- Lab modernization efforts and supervised the textile laboratory at TMD, conducting fabric tests for industrial partners
- Teaching Textile Science, Dyeing, and Finishing of Textiles
- Advisor to the AATCC Student chapter at URI

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July 2019 – November 2020: Luna Innovations Incorporated

Location: Blacksburg, VA, US

Position: Research Scientist

Main activities:

- PI of In-Flight Urination System – Easy Peezy (Department of Health Agency DHA193-003 Phase I SBIR; contract # W81XWH-20- P-0086; \$249,993.71)
 - Metal-organic frameworks (MOFs), absorbency and hydrophobicity
 - Novel design of underwear
- PI of Conversion of Plastic Wastes into Economically Viable Filaments and Fibers - Ocean2Wear (Department of Energy, Office of Energy Efficiency and Renewable Energy Phase I SBIR; contract DE-SC0020765; \$200,000); <https://www.sbir.gov/sbirsearch/detail/1835455>
 - Compatibilizer - Montmorillonite clay & ocean wastes
- Program Manager of Novel Flame-Resistant (FR) Nonwoven Fabrics for Uniforms Research (U.S. Army STTR Phase II; Natick Contracting Division; contract # W911QY-18-C-0003; \$495,249.68)
 - PA6 with and without FR additive for spun bond hydro-entangled nonwoven
 - Thermogravimetric analysis of compounded materials
 - Re-design and production of a new combat shirt for the Department of Defense
 - Composite fibers (Islands-in-the-sea extrusion)
- Textile structure design and prototype development (drop-stitch, signature management fabrics)
- Collaboration with the textile industry (compounding, filament extrusion, inherently FR textiles and coatings, production of nonwovens, protective clothes design and production)
- Financial and scientific project management; reporting and contact with funding agencies

May 2016 – April 2018: Department of Materials, Textiles and Chemical Engineering, Ghent University

Location: Ghent, Belgium

Position: Senior Research Assistant

Main activities:

- Textile performance (tensile tests, bending rigidity, roughness, elasticity, tearing, pilling, compression, shearing, thermal resistance, etc.)
- Research on thermophysiological, ergonomic wear comfort (range of motion, mobility), textile sensory evaluation techniques (hand-feel/tactile evaluation, psychophysical theory studies – from skin receptors through brain to satisfaction, evoked potentials)
- Product development, structural designing and production of fibrous materials
- 3D modeling (Abaqus CAE), skin model and simulation of skin mechanoreceptors;
- High-performance fibers and polymers review, bullet-resistant materials
- Community service (co-organization of Smart Textile Salon)

May 2014 – April 2016: Textile Protection and Comfort Center, Wilson College of Textiles, North Carolina State University

Location: Raleigh, North Carolina, US

Position: Visiting Post-Doctoral Scholar

Main activities:

- PA and PI of Marie Curie International Outgoing Fellowship - Modelling of Human Body and Protective Textiles for Estimation of Skin Sensorial Comfort and Life Risk of Firefighters Working in Extreme External Conditions. The founding institution: European Commission.

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- Project number 622043, project acronym: MAGNUM BONUM, €354,658;
<https://cordis.europa.eu/project/id/622043>
 - organizing and conducting tests on firefighters (comparing designs of different uniforms, 3D body scanning of firefighters)
 - ergonomic wear comfort, thermophysiological comfort
 - test methods development
- Consumer studies for Wrangler and Nike
- Financial and scientific project management

February 2013 – April 2014: French School of High Studies in Engineering (L'École des Hautes Études d'Ingénieur)

Location: Lille, France

Position: Post-Doctoral Researcher

Main activities:

- Smart textiles development
 - Overview of conductive materials for textile applications
 - Productions of textile thermocouple working as a heat flux meter in woven fabric by
 - coating high-performance textiles with a conductive material and etching the conductive layer
- Introduction of bilingual teaching of technical textiles and polymers to graduate students

November 2010 – October 2012: Department of Materials, Textiles and Chemical Engineering, Ghent University

Location: Ghent, Belgium

Position: Post-Doctoral Researcher

Main activities:

- PA and PI of Marie Curie International European Fellowship - Creation of a new methodology for the analysis of the influence of textiles on human beings. The founding institution: European Commission. Project number 253594, project acronym: CREATION. Project Supervisors: Roger Barker, Lieva van Langenhove (€160,100);
https://cordis.europa.eu/project/rcn/96436_en.html
 - Body thermograms
- Textile performance - lab tests on yarns and fabrics, e.g., Kawabata, tensile tests, bending rigidity, hand-feel evaluation of fabrics; comfort tests on human subjects
 - Consumer studies
- Structural designing and production of textiles
- Teaching technical textiles and polymers (including biopolymers) to graduate students, and supervising undergraduate and graduate students.

November 2009 – 2022: Autex Research Journal

Location: Lodz, Poland

Position: Vice-Editor of Autex Research Journal (IF)

Main activities:

- Managing the policy of the journal: 25% increase of readership, 50% increase of citations
- Quality assurance by reviewing all the submissions, keeping the rejection rate at 27%
- Managing electronic submission system

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May 2007 – August 2013: Institute of Architecture of Textiles, Lodz University of Technology

Location: Lodz, Poland

Position: Assistant Professor

Main activities:

- Lab tests on fabrics, thermophysiological comfort tests on human subjects, fancy yarns designing and production, designing decorative woven and knit fabrics (optical fibers, shape memory alloys, conductive materials)
- Structural designing of textiles
- Teaching knitting technology, fiber science, textile evaluation, technical textiles, and supervising undergraduate and graduate students

April 2004 – April 2007: Institute of Architecture of Textiles, Lodz University of Technology

Location: Lodz, Poland

Position: Teaching Assistant/Lecturer

Main activities:

- Teaching knitting technology and fiber science, supervising undergraduate and graduate students, transferring artistic patterns and designs into digital images and attractive textiles, printing on textiles
- Structural designing of textiles, yarns and fabrics performance

EDUCATION

2007 - Ph.D. in Textile Manufacturing (4-year program), Lodz University of Technology, Poland; Major - Textile Mechanical Engineering

2002 - Socrates/Erasmus Scholarship, Department of Textiles, Ghent University, Belgium.

2001 - Master of Science and Engineer in Textile Engineering, Lodz University of Technology, Poland (unified bachelor and master 5-year program); Major-Textile Engineering; Field-Textile Architecture.

SELECTED PEER-REVIEWED JOURNAL PUBLICATIONS

Becker, P.; **Ciesielska-Wrobel, I.** Performance of Fabrics with 3D-Printed Photosensitive Acrylic Resin on the Surface. *Polymers* **2024**, *16*, 486. <https://doi.org/10.3390/polym16040486>; **IF2023 = 4.7**

Rahman, S.; Al Haque, M.; Solaiman, M.; Ratul, R.H.; Ahmed, I.; Tabassum, S.; **Ciesielska-Wrobel, I.**; Wireless power transfer using electronic textiles: A comparative review, *Journal of Engineering Research*, **2024**, <https://doi.org/10.1016/j.jer.2024.02.008>; **IF2023 = 0.9**

Becker, P., Howarth, S., & **Ciesielska-Wrobel, I.** (2024). Eco-Friendly Dyeing Processes of Nylon 6.6 Woven Fabrics with Used Coffee Grounds (UCG). *Sustainability*, *16*(20), 8919. <https://doi.org/10.3390/su16208919>, **IF2023=3.3**

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Ravichandran, V.; **Ciesielska-Wrobel, I.**; Rumon, M.A.; Solanki, D.; Mankodiya, K. Characterizing the Impedance Properties of Dry E-Textile Electrodes Based on Contact Force and Perspiration. *Biosensors* **2023**, *13*, 728. <https://doi.org/10.3390/bios13070728>; **IF2023 = 4.9**

Martey, S.; Hendren, K.; Farfaras, N.; Kelly, J.C.; Newsome, M.; **Ciesielska-Wrobel, I.**; Sobkowicz, M.J.; Chen, W.-T. Recycling of Pretreated Polyolefin-Based Ocean-Bound Plastic Waste by Incorporating Clay and Rubber. *Recycling* **2022**, *7*, 25. <https://doi.org/10.3390/recycling7020025>; **IF2023 = 4.6**

Teyeme, Y.; Malengier, B.; Tesfaye, T.; **Ciesielska-Wrobel, I.**; Haji Musa, A.; Van Langenhove, L. A Review of Contemporary Techniques for Measuring Ergonomic Wear Comfort of Protective and Sport Clothing. *Autex Research Journal* **2021**, *1*, 32-44. <https://doi.org/10.2478/aut-2019-0076>; **IF2021 = 1.1**

Grabowska KE., Vasile S., Van Langenhove L., **Ciesielska I.L.**, et al. (2006). The influence of component yarns characteristics and ring twisting frame settings on the structure and properties of spiral, loop, and bunch yarns. *Fibres & Tex. in Eastern Europe* no 3, vol. 14, **IF2006 = 0.425**.

Ciesielska I.L., Masajtis J. (2007). The influence of textiles on corona discharge created around the human being fingertip. *Fibers & Tex. in Eastern Europe* no 5-6, vol. 64-65, **IF2007 = 0.402**.

Ciesielska I.L., Masajtis J. (2008). The preliminary studies of garments on human being's corona discharge. *International Journal of Clothing Science and Technology*, vol. 20, no 5, **IF2008 = 0.571**.

Frontczak-Wasiak I., Snyckerski M., **Ciesielska I.L.** (2008). The textile structures modelled on the spider's net. *Fibers & Tex. in Eastern Europe*, no 5, vol. 16, **IF2008 = 0.439**.

Ciesielska I.L., Mokwiński M., Orłowska - Majdak M. (2009). Influence of different kind of clothing on selected circulatory, respiratory and psychomotor parameters during moderate physical exercise. *International Journal of Occupational Medicine & Environmental Health*, **IF2010 = 1.057**.

Ciesielska I.L. (2009). Images of corona discharges as a source of information about the influence of textiles on humans. *Autex Res. Journal*, no 1, vol. 9.

Ciesielska I.L. (2010). The precursory analysis of the influence of garments on corona discharge created around a human fingertip. *Text. Res. J.*, vol. 80 no. 3, pp 216-225, **IF2010 = 1.102**.

Ciesielska- Wróbel I.L., Szadkowska I., Masajtis J., Goch JH. (2010). Images of corona discharges in patients with cardiovascular diseases as preliminary analysis for research of the influence of textiles on images of corona discharges in textiles' users. *Autex Res. Journal* vol. 10, no 1.

Vasile S., Grabowska KE., **Ciesielska-Wróbel I.L.**, et al. (2010). Analysis of Hybrid Woven Fabrics with Shape Memory Alloys Wires Embedded. *Fibers & Tex. in Eastern Europe*, 18, 1 (78), **IF2010 = 0.629**.

Grabowska KE., Marciniak K., **Ciesielska-Wróbel I.L.** (2011). The analysis of attenuation of electromagnetic field by woven structures based on hybrid yarns. *Text. Res. J.*, 81, 15, **IF2011 = 1.122**.

Vasile S., Githaiga J., **Ciesielska-Wróbel I.L.** (2011). Comparative Analysis of the Mechanical Properties of Hybrid Yarns with Superelastic Shape Memory Alloys (SMA) Wires Embedded. *Fibers & Tex. in Eastern Europe*, vol. 19, no. 6 (89) pp. 41- 46, **IF2011 = 0.532**.

Ciesielska-Wróbel I.L., Grabowska KE. (2012). Estimation of EMR' shielding effectiveness of knit structures. *Fibers & Tex. in Eastern Europe*, vol. 2, no 91, **IF2012 = 0.801**.

Ciesielska-Wróbel I.L., Van Langenhove L. (2012). The hand of textiles – definitions, achievements, perspectives – a review. *Text. Res. J.*, 82, 14, **IF2012 = 1.135**.

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Vasile S, **Ciesielska-Wróbel I.L.**, et al. (2012) Wrinkle Recovery of Flax Fabrics with Embedded Superelastic Shape Memory Alloys Wires. *Fibers & Tex. in Eastern Europe*, 20, 4(93), **IF2012= 0.801**.

Ciesielska-Wróbel I.L., Van Langenhove L. et al. Fingertip skin models for analysis of the haptic perception of textiles, *J. of Biomedical Science and Eng.* Vol.7 No.1 (2014), DOI:10.4236/jbise.2014.71001.

Grabowska KE., **Ciesielska-Wróbel I.L.** (2014) Basic Comparison of the Properties of the Loop and Frotte Yarns, Woven and Knitted Fabrics. *Autex Res. Journal*, Vol. 14, No 3, Sept. 2014, **IF2014 = 0.220**.

Grabowska KE, **Ciesielska-Wróbel I.L.** (2015) Characteristic and Application of Knop Fancy Yarns. *Fibers & Tex. in Eastern Europe*; 23, 1(109): 17-25., **IF2015 = 0.566**.

Ciesielska-Wróbel I.L., G. De Mey & L. Van Langenhove (2015): Dry heat transfer from the skinsurface into textiles: subjective and objective measurement of thermal haptic perception of textiles – preliminary studies, *The Journal of The Textile Institute*, **IF2015 = 1.128**.

Toda M., Grabowska KE, **Ciesielska-Wróbel I.L.** (2015) Micro-CT supporting structural analysis and modelling of ropes made of natural fibers, *Textile Res. Journal*, 2015/10/5, **IF2015 = 1.229**.

Ciesielska-Wróbel I.L., E DenHartog, R Barker (2016), Measuring the Effects of Structural Turnout Suits on Firefighter Range of Motion and Comfort, *Ergonomics* 60, 2, **IF2016 = 1.818**.

De Mey G., **Ciesielska-Wróbel I.L.**, L Van Langenhove (2016) Mathematical model of haptic perception of temperature, *Textile Res. Journal* 87 (2), 155-164; **IF2016 = 1.443**.

Marciniak K., Grabowska K., **Ciesielska-Wróbel I.L.**, et al. (2016) Woven Fabrics Containing Hybrid Yarns for Shielding Electromagnetic Radiation, *Fibers & Tex. in Eastern Europe*, 24, 109-115, **IF2016 = 0.626**.

Ciesielska-Wróbel I.L., DenHartog E., Barker R. (2017) The influence of designs of protective uniforms on firefighters' performance during moderate physical exercises, *Text. Res. J.*, <https://doi.org/10.1177/0040517517715084>, **IF2016 = 1.443**.

Toda M., Grabowska K., **Ciesielska-Wróbel I.L.** (2017), Application of micro-computed tomography (micro-CT) to study unevenness of the structure of yarns, *Text. Res. J.*, Vol 87, 3, pp. 351 – 368., **IF2016 = 1.443**.

Hardianto A., De Mey G., **Ciesielska-Wróbel I.L.**, Hertleer C., Van Langenhove L (2018). Seebeck coefficient of thermocouples from Nickel-coated Carbon fibers: theory and experiment; *Materials MDPI*, 11(6), 922; <https://doi.org/10.3390/ma11060922> , **IF2017 = 2.654**

Marciniak K., Grabowska K., Stempień Z., **Ciesielska-Wróbel I.L.** (2018). Shielding of electromagnetic radiation by multilayer textile sets, *Text. Res. J.*, online February 28, 2018, **IF2016 = 1.443**.

SELECTED CONFERENCE PAPERS

Ciesielska-Wrobel I.L., Wrap2Wear - Conversion of plastic wraps into multi-component microfibers for clothing; *8th International Conference on Intelligent Textiles and Mass Customization-ITMC 2022*, 19-21 September 2022, Montreal, Canada (poster presentation).

Van Langenhove L., Malengier B., Georgievska M., Boone J., Cambier D., **Ciesielska-Wrobel I.** Protection and comfort, conflicting properties? *AuxDefense, 3rd World Conference on Advanced Materials for Defense*, 6 - 8 July 2022, Guimaraes, Portugal (oral presentation, Van Langenhove).

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Ciesielska-Wrobel I. Can mechanical recycling of cotton be more popular? Cellulose Fibers Conference, March 8-9, 2023, Cologne, Germany (poster presentation).

Gutierrez, A., **Ciesielska-Wrobel I.** Potential for Recycling Spandex. 2023 URI Global Plastics Forum, May 15-16, Kingston, RI, US (poster presentation)

Stanley, A.; **Ciesielska-Wrobel I.** Conversion of ocean plastic wastes into filaments into filaments for textile application. 2024 Southern New England Marine Debris Action Plan Workshop, Fascitelli Center for Advance Engineering, August 29, 2024, Kingston, RI, US.

KEYNOTE SPEAKER: Ciesielska-Wrobel I. From Surface to Sense: Merging 3D Printing Technology with Tactile Clothing Insights for the Visually Impaired; 8th International Symposium, Technical Textile – Present and Future; Iasi, Romania, November 23, 2023, Online participation

Van Langenhove L., Grabowska KE., **Ciesielska I.L., et al.** The Analysis of Structure and its Influence on Properties of Spiral, Loop and Bunch Yarns. *World Textile Conference, AUTEX 2005, Slovenia.*

Ciesielska I.L., et al. The influence of garments on chosen parameters of human physiology and feeling of comfort during physical effort. *World Textile Conference, AUTEX 2008, Italy.*

Ciesielska I.L., Masajtis J. Orłowska - Majdak M. The experimental approaches in the context of the influence of textiles on humans' well-being. *World Textile Conference, AUTEX 2009, Turkey.*

KEYNOTE SPEAKER: Ciesielska I.L. All about Autex Research Journal. *World Textile Conference AUTEX 2009, Turkey.*

Ciesielska I.L. Shape Memory Alloys for textile applications. *World Textile Conf. AUTEX 2009, Turkey.*

Grabowska KE., Kiekens P., Van Langenhove L., **Ciesielska-Wróbel I.L.,** Marciniak K. The innovative hybrid protection textile structures. *World Textile Conference, AUTEX 2010, Lithuania.*

Grabowska KE., Kiekens P., Van Langenhove L., Marciniak K., **Ciesielska-Wróbel I.L.** The innovative textile protection against electromagnetic radiation. *41st Inter. Symp. on Novelties in Tex., Slovenia, 2010.*

Ciesielska-Wróbel I.L., Grabowska KE., Marciniak K., Kiekens P., Van Langenhove L. The analysis of the shielding efficiency of interlock structures. *World Textile Conference, AUTEX 2011, France.*

Ciesielska-Wróbel I.L., Van Langenhove L. Creation of new methodology for the analysis of the influence of textiles on human beings. *World Textile Conference, AUTEX 2011, France.*

Ciesielska-Wróbel I.L., et al. 3-D finite element models of the fingertip skin compliance under the influence of textiles versus subjective hand assessment. *41st Textile Research Symposium 2012, Portugal.*

Ciesielska-Wróbel I.L., Van Langenhove L. Heat transfer in 3-D skin model. *10th Joint International Conference CLOTECH on Innovative Technologies in Textiles and Protective Clothing, 2012, Poland.*

Ciesielska-Wróbel I.L., Restrictions of Motions in Firefighters Wearing Uniforms. *TBIS-APCC 2016, the joint international Symposium of the 9th Textile Bioengineering and the 6th Asian Protective Clothing Conference, July 12-15, 2016 in RMIT University, Melbourne, Australia.*

Ciesielska-Wróbel I.L., J Knockaert, G De Mey, L Van Langenhove, Shielding the electromagnetic waves by inserting conductive lightweight materials into woven curtains, *International Conference on Intelligent Textiles and Mass Customization, 16-18 October, Ghent, Belgium 2017. – BEST PAPER AWARD.*

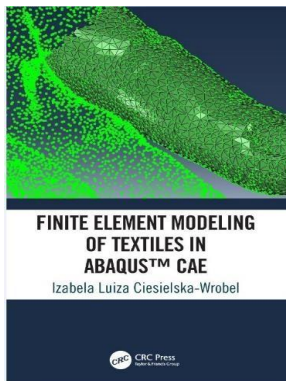
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BOOK

Ciesielska-Wróbel I.L., Finite Element Modelling in Abaqus CAE, 1st Edition, CRC Press, Taylor and Francis Group, August 2019.



BOOK CHAPTER

Ciesielska-Wróbel I.L., (2017) Contemporary Personal Ballistic Protection (PBP) in Textiles for Advanced Applications edited by Bipin Kumar and Suman Thakur, ISBN 978-953-51-3501-2, Print ISBN 978-953-51-3500-5, InTech, September 9, 2017.



PATENTS

Patent no P 215706 "The knitted material with ability of shielding electromagnetic radiation"; Patent Office in Poland. Applicants – **Ciesielska-Wróbel I.L.**, Grabowska KE., Marciniak K.; <https://ewyzukiwarka.pue.uprp.gov.pl/search/pwp-details/P.392143?lng=en>

Patent no P 215679 "The knitted material with ability of shielding electromagnetic radiation"; Patent Office in Poland. Applicants – **Ciesielska-Wróbel I.L.**, Grabowska KE., Marciniak K.; <https://ewyzukiwarka.pue.uprp.gov.pl/search/pwp-details/P.391804?lng=en>

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TEACHING (lectures, labs, projects)

Fall 2021 – present: University of Rhode Island

- TMD 303 Textile Science
- TMD 313 Textile Science Laboratory
- TMD 362 Special Problems (Independent Study)
- TMD 413 Dyeing & Finishing of Textiles
- TMD 540 Special Problems in Textiles & Clothing (Independent Study)
- TMD 599 Master's Thesis Research (Independent Study)
- Support BME 484: Biomedical Engineering Capstone Design I

2010 – 2018: Ghent University, Belgium – online & hybrid teaching

- Computation Sciences and Engineering Principles for Textiles, E-TEAM students
- Ergonomics and ergonomic wear comfort, invited lectures for graduate students
- Textile Composite Structures for Impact Protection, E-TEAM students

2014: North Carolina State University, USA

- Smart Materials and Smart Textiles within Introduction to Fiber Science, invited lecture given to undergraduate students

2014: Technical University of Catalonia, Spain

- Polymers, technical fibers and composites, European Textile Engineering Advanced Master (E-TEAM) students

2013: French School of High Studies in Engineering, France

- Polymers, technical fibers and composites, lecture for graduate students

2004– 2010: Lodz University of Technology, Poland

- Artistic designing of clothing - graduate students of Architecture of Textiles; I utilized knitting technology to support students' designing
- Artistic designing of decorative textiles - graduate students of Architecture of Textiles; I utilized spinning and knitting technologies to support students' designing
- Computer-aided design - graduate students of Architecture of Textiles; knitting technology involved
- Basics of designing of technical textiles – undergraduate students of Architecture of Textiles
- Designing of technical textiles - graduate students of Architecture of Textiles
- Designing of textiles - undergraduate students of Architecture of Textiles

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REVIEWER

- Fibers & Textiles in Eastern Europe, since 2008.
- Autex Research Journal, since 2008.
- Textile Research Journal, since 2012.
- Journal of the Textile Institute, since 2014.
- Journal of Engineered Fibers and Fabrics, since 2015.
- Sustainability MDPI, since December 2021 (also editor of Sustainability in Textiles since March 2022; see https://www.mdpi.com/journal/sustainability/special_issues/sus_in_textiles)
- Recycling MDPI, since 2021
- Hygiene MDPI, since July 2022
- European Commission Marie Curie Projects, since 2021
- Textile Research Journal, since 2012
- Sensors MDPI, since 2022
- Microplastics, since 2024
- University of Rhode Island, research development grants, since 2022

MEMBERSHIPS AND APPOINTMENTS

- Member of the Editorial Board of Fibers & Textiles in Eastern Europe, Poland, since 2008.
- Vice-editor of Autex Research Journal, Poland & Belgium Dec. 2009 – Nov. 2022.
- Member of Scientific Committee of the International Symposium “Technical Textiles –Present and Future, Iasi, Romania, 2013 and 2023
- Scientific Board Member of Autex Research Journal, Poland & Belgium 2016 - 2022.
- Scientific Committee Member of International Conference ITMC'2017 & ITMC'2019 (Intelligent Textiles and Mass Customization), Belgium.
- Member of the American Society for Testing and Materials (ASTM), since 2016.
- Member of the American Association of Textile Colorists and Chemists (AATCC), since 2021
- Member of the American Institute of Chemical Engineers (AIChE), since 2022
- One of six URI Assessment Mentors and Reviews, since 2022.

HONORS AND AWARDS

2017 - BEST PAPER AWARD - I.L. Ciesielska-Wróbel, J. Knockaert, G. De Mey, et al., Shielding the electromagnetic waves by inserting conductive lightweight materials into woven curtains, International Conference on Intelligent Textiles and Mass Customization, 16-18 October, Ghent, Belgium.

2013 - A Certificate of Appreciation in recognition for the outstanding support as member of the scientific committee of the Symposium of Technical Textiles, Iasi, Romania, October 25.

2011 - A certificate of Appreciation for facilitating a scientific session at ITMA 2011 – International Exhibition of Textile Machinery, Barcelona, Spain.

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2008 - A thank-you letter from the Rector of the Technical University of Lodz for outstanding work activity.

2007 - A thank-you letter from the Rector of Lodz University of Technology, Poland, Prof. Jan Krysiński, DSc., PhD., Eng. for the efforts put in the dissemination of knowledge, for creative contribution and participation in the 7th Festival of Science, Technique and Art in the City of Lodz, which was held in April.

2023 - Certificate of recognition awarded to Assessment Fellow, Izabela Ciesielska-Wrobel, Ph.D. by Office for the Advancement of Teaching and Learning, URI.

2022 - Certificate of recognition awarded to Assessment Fellow, Izabela Ciesielska-Wrobel, Ph.D. by Office for the Advancement of Teaching and Learning, URI.