

## 5. ΔΗΜΟΣΙΕΥΣΕΙΣ, ΑΝΑΚΟΙΝΩΣΕΙΣ ΚΑΙ ΣΥΓΓΡΑΦΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ

### 5.1 Περιοδικά με σύστημα κριτών

- J1.** "On the performance of the geometrical models of fabrics for use in computational mechanical analysis", Ch. Provatidis and S. Vassiliadis, International Journal of Clothing Science and Technology, Vol. 16, No 5, 2004, pp 434-444.
- J2.** "Structural characterization of textile fabrics using surface roughness data", S. Vassiliadis and Ch. Provatidis, International Journal of Clothing Science and Technology, Vol. 16, No 5, 2004, pp 445-457.
- J3.** "On the Use of Image Processing techniques for the Estimation of the porosity of Textile Fabrics", A. Cay, S. Vassiliadis, M. Rangoussi and I. Tarakcioglu, Enformatika: Transactions on Engineering, Computing and Technology (World Academy of Science, Engineering and Technology), Vol. 2, pp. 95-98, Dec. 2004.
- J4.** "Performance of laboratory Experiments over the Internet: Towards an Intelligent Tutoring System on Automatic Control", K. Prekas, M. Rangoussi, S. Vassiliadis and G. Prekas, Enformatika: Transactions on Engineering, Computing and Technology (World Academy of Science, Engineering and Technology), Vol. 2, pp. 346-349, Dec. 2004.
- J5.** "Contact mechanics in the two-dimensional finite element modelling of fabrics", Ch. Provatidis, S. Vassiliadis and Anastasiadou E., International Journal of Clothing Science and Technology, Vol. 17, No 1, 2005, 29-40.
- J6.** "Estimation of the Bending Rigidity of Yarns: Influence on the Accuracy of the Numerical Modelling of Fabrics", Vassiliadis S. and Provatidis Ch. (2005), Applied Research Review, ISSN 1106-4110, Vol. X, No 1, 2005, pp 91-105.
- J7.** "Optimization Aspects on the Hand of the Fabrics", Vassiliadis S., Venetsanos D. and Provatidis Ch. (2005), Textile Research Journal, Vol. 75, No. 9 pp. 653-661.
- J8.** "Prediction of the Air Permeability of Woven Fabrics Using a Modified Kozeny-Carman Relationship", Cay A., Vassiliadis S. and Provatidis Ch., Applied Research Review, ISSN 1106-4110, Vol. XI, No 1, 2006, pp 151-159.
- J9.** "Geometrical Modelling of Plain Weft Knitted Fabrics", Vassiliadis S., Kallivretaki A. and Provatidis Ch., Indian Journal of Fibre & Textile Research, Vol. 32, March 2007, pp 72-79.
- J10.** "Prediction of the Air Permeability of Woven Fabrics using Neural Networks", Çay A., Vassiliadis S., Rangoussi M. and Tarakçioğlu I., International Journal of Clothing Science and Technology Vol. 19, No 1, 2007, pp 18-35.
- J11.** "Mechanical Simulation of Plain Weft Knitted Fabrics", Vassiliadis S., Kallivretaki A. and Provatidis Ch., International Journal of Clothing Science and Technology, Vol. 19, No 2, 2007, pp 109-130.
- J12.** "Finite Element Modelling of the Warp Knitted Structure", Kallivretaki A., Vassiliadis S., Blaga M. and Provatidis Ch., Research Journal of Textile and Apparel, Vol. 11, No 4, 2007, pp 40-47.
- J13.** "The Impact of Textile Modelling in a CAE Environment", Vassiliadis S., Kallivretaki A., and Provatidis Ch., Inventics Review, Nr. 56, Vol. XI, 2007, ISSN 1210-3084, pp103-108.
- J14.** "The Effect of Compact and Ring Spun Yarns on the Micromechanical Properties of Knitted Fabrics", Vassiliadis S., Kallivretaki A., Gurkan P. and Provatidis Ch., Tekstil, 57 (4), 2008, pp 164-170.
- J15.** "Numerical Modelling of the Compressional Behaviour of Warp-Knitted Spacer Fabrics", Vassiliadis S., Kallivretaki A., Psilla N., Provatidis C., Mecit D. and Roye A., Fibers and Textiles in Eastern Europe, 2009, Vol. 17, No. 5 (76), pp 51-56.

**J16.** "Mechanical Modelling of Twisted Multifilament Yarns", Vassiliadis S., Kallivretaki A., and Provatidis C., *Fibers and Polymers*, 2010, Vol. 11, No 1, pp. 89-96.

**J17.** "Macromechanical Modelling of Woven Fabrics", Vassiliadis S., Kallivretaki A., Frantzeskakis P. and Provatidis C., *International Journal of Clothing Science and Technology*, Vol. 24, No 1, 2012, pp 15-26.

**J18.** "Sedimentation behaviour in electrorheological fluids based on suspensions of zeolite particles in silicone oil", Prekas K., Shah T., Soin N., Rangoussi M., Vassiliadis S. and Siores E., *Journal of Colloid and Interface Science*, 2013, Vol.401, pp. 58-64.

**J19.** "Performance Evaluation of a Communication Protocol for Vital Signs Sensors Used for the Monitoring of Athletes", Kiokes G., Vossou C., Chatzistamatis P., Potirakis S., Vassiliadis S., Prekas K., Tuna G. and Gulez K., *Int. Journal of Distributed Sensor Networks*, vol. 2014, Article ID 453182, doi:10.1155/2014/453182.

**J20.** "Characterization of Thermochromic Fibers' Response to Temperature Change", Vossou C., Potirakis S. Simeonidis S and Vassiliadis S., *Key Engineering Materials*, Vol. 644 (2015) pp 74-77.

**J21.** "Multiaxial Tensile Testing of Textile Fabrics", Vassiliadis S., Prekas K., Katsoulis A., Vossou K., Gouvas P., Marmarali A. and Blaga M., *Journal of Fashion Technology & Textile Engineering*, Accepted for publication (2015).

**J22.** "Enhancing the Dispersion Stability of Electrorheological Fluids by Acoustic Vibrations: an Experimental Study", Prekas K., Rangoussi M., Vassiliadis S., Shah T., Soin N. and Siores E., Submitted to the *Journal of Intelligent Material Systems and Structures*, Accepted for publication with minor changes (2015).

**J23.** "A wearable magnetic sensing device for identifying the presence of static magnetic fields", Kosyvakis D., Vassiliadis S., Vossou C., Mangiorou E., Prekas K., Potirakis S., Submitted for publication to the *Medical & Biological Engineering & Computing* (2015).

## 5.2 Διεθνή συνέδρια με σύστημα κριτών

**C1.** "Integrated Management Systems in the Textile Industry", S. Vassiliadis, Proc. of the 78th World Conference of the Textile Institute, pp 53-68, May 1997, Thessaloniki, Greece.

**C2.** "Perspectives and Trends of the new Technologies in the Textile Industry", Th. Peppas, S. Vassiliadis, N. Koklas, Proc. of the 78th World Conference of the Textile Institute, pp 25-36, May 1997, Thessaloniki, Greece.

**C3.** "Technology Policy for the Textile Industry in the European Periphery: The Case of Greece", G. Stamboulis, S. Vassiliadis, Th. Peppas, Proc. of the 78th World Conference of the Textile Institute, pp 237-257, May 1997, Thessaloniki, Greece.

**C4.** "On the Numerical Estimation of the Mechanical Behaviour of Fabrics", C. Provatidis, S. Vassiliadis, Proc. of the 2<sup>nd</sup> Autex World Textile Conference, pp. 88-97, July 2002, Bruges, Belgium.

**C5.** "Feature extraction and Classification of Faults in Circular Knitting Machines Based on Time-Frequency Techniques", S. Vassiliadis, M. Rangoussi and M. de Araujo, Proc. of the 2<sup>nd</sup> Autex World Textile Conference, pp. 203-213, July 2002, Bruges, Belgium.

**C6.** "Estimation of the Geometrical Characteristics of the Fabrics for Use in Numerical Mechanical Modelling", C. Provatidis, S. Vassiliadis and M. Livaditi, Proc. of the 4<sup>th</sup> International Conference IMCEP 2003, pp.17-23, October 2003, Maribor, Slovenia.

**C7.** "Retrieval of Structural Parameters of Textile Fabrics from Surface Roughness Data Obtained from KES-F Measurements", C. Provatidis, S. Vassiliadis, M. Rangoussi and K. Prekas, Proc. of the 4<sup>th</sup> International Conference IMCEP 2003, pp.149-156, October 2003, Maribor, Slovenia.

- C8.** *"Multiband Novel Diversity Monopole Antenna Printed on a PCMCIA Card"*, Angelopoulos E., Janssen A., Kaklamani D. and Vassiliadis S., CD-Rom Proceedings of the Progress in Electromagnetics Research Symposium (PIERS 2004), March 28-31, 2004, Pisa, Italy.
- C9.** *"On the use of tensile data in the woven fabrics micromechanics"*, S. Vassiliadis, C. Provatidis and N. Markakis, Proc. of the 1st International Conference on Information Technology and Quality, Athens, Greece, 5-6 June 2004.
- C10.** *"Multistage design procedure of analog integrated filters"*, D. Tassopoulos, S. Vassiliadis and W. Soppa, Proc. of the 1st International Conference on Information Technology and Quality, Athens, Greece, 5-6 June 2004.
- C11.** *"Prediction of properties in the design of woven fabrics"*, Kh. Alimova, A. Daminov, D. Inogamdjano and S. Vassiliadis, Proc. of the 1st International Conference on Information Technology and Quality, Athens, Greece, 5-6 June 2004.
- C12.** *"Biometrics for person identification: The E.E.G"*, M. Rangoussi, K. Prekas and S. Vassiliadis, Proc. of the 1st International Conference on Information Technology and Quality, Athens, Greece, 5-6 June 2004.
- C13.** *"A flexible System for Remote Acquisition and Processing of Environmental Measurements Data"*, Prekas K., Vassiliadis S, and Rangoussi M., 7ο Πανελλήνιο (Διεθνές) Συνέδριο, Μετεωρολογίας, Κλιματολογίας, Φυσικής της Ατμόσφαιρας, 28-30 Σεπτεμβρίου 2004, Λευκωσία, Κύπρος.
- C14.** *"Electrically Conductive Spun Yarns"*, S. Vassiliadis, Ch. Provatidis, K. Prekas and M Rangoussi, Proc. of the Xth International Izmir Textile and Apparel Symposium, pp 37-49, 27-30.10.2004, Izmir, Turkey.
- C15.** *"The spirality of the knitted fabrics and the settings of the knitting machine"*, Primentas A., Vassiliadis S, and Peppas A., Proc. of the 84<sup>th</sup> Textile Institute Annual World Conference, 2005, Raleigh, North Carolina, U.S.A.
- C16.** *"Compact vs Traditional Ring Spun Yarns: The Excellence of the Yarn Quality"*, Primentas A., Vassiliadis S, Katsandri F. and Kovalengou A., Proc. of the 84<sup>th</sup> Textile Institute Annual World Conference, 2005, Raleigh, North Carolina, U.S.A.
- C17.** *"Fabric Hand: An Important Quality Parameter of the Textile Fabrics"*, Vassiliadis S., Kallivretaki A., Gurkan P. and Provatidis Ch., *2nd Int. Conf. on Information Technology and Quality*, Spetses, Greece, 2005.
- C18.** *"Estimation of the Geometrical Structure of the Plain Weft Knitted Fabrics for Use in the Numerical Modelling"*, Vassiliadis S., Kallivretaki A. and Provatidis Ch, Proceedings of the 5<sup>th</sup> World Textile Conference AUTEX 2005, pp 412-417, 27-29 June 2005, Portorož, Slovenia.
- C19.** *"Prediction of the Air Permeability of Textile Fabrics Using Artificial Neural Network"*, Çay A., Vassiliadis S., Rangoussi M. and Tarakçioğlu I., Proceedings of the 5<sup>th</sup> World Textile Conference AUTEX 2005, pp 768-774, 27-29 June 2005, Portorož, Slovenia.
- C20.** *"Automatic Control Lab: A Pilot System for Simulation and Remote Performance of the Experiments"*, Prekas K., Rangoussi M., Vassiliadis S. and Prekas G., Proceedings of the WSEAS International Conference on Engineering Education, pp 237-242, 8-10 July 2005, Vouliagmeni, Athens, Greece.
- C21.** *"Mechanical Modelling of Rib 1x1 Knitted Fabric"*, Vassiliadis S., Kallivretaki A. and Provatidis Ch., Proceedings of the 37th International Symposium on Novelties in Textiles, ISBN 961-6046-37-7, 15-17 June 2006, Ljubljana, Slovenia.
- C22.** *"Subjective Hand Evaluation of Fabrics Produced with Compact and Ring Spun Yarns"*, Vassiliadis S., Pelin Gurkan, Kallivretaki A. and Provatidis Ch., Proceedings of the 37th International Symposium on Novelties in Textiles, ISBN 961-6046-37-7, 15-17 June 2006, Ljubljana, Slovenia.

- C23.** *“Effects of Warp-Weft Density Variation on Fabric Hand”*, Çay A. and Vassiliadis S., Proceedings of the 37th International Symposium on Novelties in Textiles, ISBN 961-6046-37-7, 15–17 June 2006, Ljubljana, Slovenia.
- C24.** *“The Effect of the Ring Spinning Frame Processing of the Fibrous Assemblies on Yarn Mass Irregularity”*, Primentas A., Blita A. and Vassiliadis S., Proceedings of the 37th International Symposium on Novelties in Textiles, ISBN 961-6046-37-7, 15–17 June 2006, Ljubljana, Slovenia.
- C25.** *“Computational Mechanical Modeling as Textile Design Tool”*, Vassiliadis S., Kallivretaki A. and Provatidis Ch., Proceedings of the 1<sup>st</sup> International Istanbul Textile and Textile Machinery Congress 2006, 31.05-04.06.06, Istanbul, Turkey.
- C26.** *“Water Repellency - Influence of Cotton Fabric Construction”*, Grancaric A.M., Kolgjini B., Tarbuk A, Vassiliadis S. and Penava Z., ITC&DC, 08-11.10.2006, Dubrovnik, Croatia.
- C27.** *“Geometrical Representation of the Interlock Knitted Structure in Numerical Modelling”*, Vassiliadis S., Kallivretaki A. and Provatidis Ch., Proceedings of the 33<sup>rd</sup> Aachen Textile Conference, ISSN 0942-301X, 29-30.11.2006, Aachen, Germany.
- C28.** *“Micromechanical Modelling of Warp Knitted Fabrics”*, Kallivretaki A., Vassiliadis S., Blaga M. and Provatidis Ch., Proceedings of the 7th World Textile Conference AUTEX 2007, June 2007, Tampere, Finland.
- C29.** *“Contact Phenomena in the Knitted Fabrics Modelling”*, Vassiliadis S., Kallivretaki A. and Provatidis Ch., Proceedings of the 7th World Textile Conference AUTEX 2007, June 2007, Tampere, Finland.
- C30.** *“Finite Element Modelling of the Warp Knitted Structures”* Kallivretaki A., Vassiliadis S., Blaga M. and Provatidis Ch., Proceedings of the ISC 2007, Delft, Holland, Workshop: Modelling and Simulation in the Textile Industry, pp 413- 419 (**Best Paper Award**).
- C31.** *“On the Numerical Modelling of the Weft Knitted Structures”*, Kallivretaki A., Vassiliadis S., Blaga M. and Provatidis Ch., CORTEP 2007, 16-20.10.2007, Iasi, Romania, Buletinul Institutului Politehnic din Iasi, Tomul LIII, 5, pp. 89-94.
- C32.** *“The Challenges of the New Spinning Technologies”*, Vassiliadis S., Prekas K., Kallivretaki A. and Provatidis Ch., Proc. of the XIth International Izmir Textile and Apparel Symposium, pp 246-258, 26-29.10.2007, Izmir, Turkey.
- C33.** *“On the Effects of the Boundary Conditions in the Computational Textile Modelling”* Kallivretaki A., Blaga M., Vassiliadis S., and Provatidis Ch., Proceedings of the International Conference on Intelligent Textiles and Mass Customisation, pp 396-403, 15-17.11.2007, Casablanca, Morocco.
- C34.** *“Computational Mechanical Modelling of Textile Structures”*, Vassiliadis S., Kallivretaki A. and Provatidis Ch., Workshop on the Textile Research Networking in the frame of the International Conference on Intelligent Textiles and Mass Customisation, Proceedings p. 525, 15-17.11.2007, Casablanca, Morocco.
- C35.** *“Computational Modelling of Twill and Satin Woven Structure”*, Vassiliadis S., Kallivretaki A., Grancaric A.M., Giannakis S. and Provatidis Ch., Proc. of the World Conference AUTEX 2008 June 2008, Biella, Italy.
- C36.** *“Computational Modelling of Spacer Fabrics”*, Vassiliadis S., Kallivretaki A., Kavagia X., Provatidis Ch., Mecit D. and Roye A., Proc. of the World Conference AUTEX 2008 June 2008, Biella, Italy.
- C37.** *“Computational Modelling of Fibrous Assemblies”*, Vassiliadis S., Kallivretaki A. and Provatidis Ch., International Conference of Applied Research in Textiles, Proceedings p. 309-313, November 2008, Sousse, Tunisia.
- C38.** *“Electrically Conductive Yarns: A Technological Overview”*, Vassiliadis S., Prekas K., Kallivretaki A., Rangoussi M. and Provatidis Ch., International Conference of Applied Research in Textiles, Proceedings p. 1, November 2008, Sousse, Tunisia.

- C39.** *"Power Quality Monitoring and Analysis in a Peper Mill Plant"*, Prekas K., Rangoussi M., Vassiliadis S. and Prekas G., Proceedings of MEDPOWER 2008, November 2008, Thessaloniki, Greece.
- C40.** *"Parametric Correlation of the Measurement Signals from Automated and Manual KES-F"*, Çay A., Vassiliadis S., Gersak J. and Provatidis Ch., Proceedings of the World Conference AUTEX 2009, pp. 1374-1377, May 2009, Izmir, Turkey.
- C41.** *"Macromechanical Modelling of Woven Fabrics"*, Vassiliadis S., Kallivretaki A., Frantzeskakis P. and Provatidis Ch., Proceedings of the World Conference AUTEX 2009 pp. 639-645, May 2009, Izmir, Turkey (**Royal Ten Cate Award**).
- C42.** *"Problems and Limitations on the Numerical Modelling of Textiles"*, Vassiliadis S., Kallivretaki A., and Provatidis Ch., Proceedings of the World Conference AUTEX 2009 pp. 40-45, May 2009, Izmir, Turkey.
- C43.** *"Fabric Drape Simulation Using FEM"*, Kallivretaki A., Vassiliadis S. and Provatidis Ch., Proceedings of the South-East European Conference on Computational Mechanics, SEECCM, June 2009, Rhodes, Greece.
- C44.** *"Mechanical Modelling of Woven Fabrics Using the Homogenization Method"*, Provatidis Ch., Kallivretaki A. and Vassiliadis S., Proceedings of the South-East European Conference on Computational Mechanics, SEECCM, June 2009, Rhodes, Greece.
- C45.** *"Electrically Conductive Spun Yarns and their Contact Behaviour"*, Vassiliadis S., Rangoussi M., Meimaris D., Prekas K., and Provatidis Ch., Proceedings of the International Conference on Intelligent Textiles and Mass Customisation, 11-14.11.2009, Casablanca, Morocco.
- C46.** *"Estimation of the Volume of the Pleural Effusion by Computed Tomography"*, Kalokairinos M.I., Vassiliadis S.G., Vossou C.G., Ciurea A.I. and Ciortea C.A., European Congress of Radiology, March 2010, Vienna, Austria.
- C47.** *"Towards Semantic Reasoning in Wearable System Networks: A Case of Heart Beat Behaviour Recognition"*, Papantoniou A., Vassiliadis S., Aktipis-Trikoupis A. and Poulizos M., Proceedings of the 5th International Textile, Clothing and Design Conference, pp 482-487, 03-06.10.2010, Dubrovnik, Croatia.
- C48.** *"The Conductive Spun Yarns as Electrical Components"*, Vassiliadis S., Prekas K., Rangoussi M., Absalon K. and Maillard J., Proceedings of the XIIth International Izmir Textile and Apparel Symposium, pp. 333-338, 28-30.10.2010, Izmir, Turkey.
- C49.** *"Electrorheological Fluids and Applications: Current Technology and Trends"*, Prekas K., Vassiliadis S., Rangoussi M., Siores E. and Shah T., Proceedings of the XIIth International Izmir Textile and Apparel Symposium, pp. 412- 415, 28-30.10.2010, Izmir, Turkey.
- C50.** *"Contex – Aware Systems and Body Area Sensor Networks: A 'Modest' Approach"*, Papantoniou A., Vassiliadis S., Prekas K., Aktipis–Trikoupis C., Sigalas A., Skordilakis P. and Chatzopoulos C., pp, 363-368. Proceedings of the XIIth International Izmir Textile and Apparel Symposium, 28-30.10.2010, Izmir, Turkey.
- C51.** *"The Application of the Semantic Web and its Technologies in the Textile & Clothing Sector"*, Papantoniou A., Vassiliadis S., Blaga M., Skordilakis P., Karagiannis T.D., Mela N. and Logios G., International Symposium in Knitting and Apparel, ISKA 2010, 19-20.11.2010, Iasi, Romania.
- C52.** *"Computational Modelling: An Effective Tool for the Technical Design of Textile Structures"*, Vassiliadis S., Kallivretaki A., Domvoglou D. and Provatidis Ch., 4th International Conference of Applied Research in Textiles, December 2010, Monastir, Tunisia.
- C53.** *"Prediction of Bursting Strength of Fabrics using Neural Networks"*, Vassiliadis S., Rangoussi M., Kremenakova D., Belkhir M., Boukhris M.A. And Louda O., 4th International Conference of Applied Research in Textiles, December 2010, Monastir, Tunisia.

- C54.** *"Electrorheological Materials and Potential Applications in Textiles"*, Prekas K., Rangoussi M., Vassiliadis S., Siores E., Shah T., Tenniche A. and Lamssieh I., 4th International Conference of Applied Research in Textiles, December 2010, Monastir, Tunisia.
- C55.** *"Conductivity measurement method for antistatic upholstery fabrics of car seats"*, Vassiliadis S., Potirakis S.M., Mecit D. and Örnek M., Proceedings of the ERA 6 Conference, 2011, 19-23.09.2011, Athens, Greece.
- C56.** *"Energy Harvesting and Wearable Electronics from the Textile Engineer's Perspective"*, Çay A., Matsouka D. and Vassiliadis S., Proceedings of the ERA 6 Conference, 2011, 19-23.09.2011, Athens, Greece.
- C57.** *"The Role of Structural Parameters of Textiles on Heat and Fluid Transfer Properties"*, Siores E., Matsouka D. and Vassiliadis S., Proceedings of the ERA 6 Conference, 2011, 19-23.09.2011, Athens, Greece.
- C58.** *"Electrically Conductive Fabrics for Antistatic Upholstery of Car Seats"*, Vassiliadis S., Potirakis S.M., Mecit D. and Örnek M., Proceedings of the ICONTEX 2011, pp. 361- 367, 20-22.10.2011, Istanbul, Turkey.
- C59.** *"Implementing FEM on Complex Textile Structures"*, Vassiliadis S., Kallivretaki, Blaga M. and Provatidis Ch., Proceedings of the ICONTEX 2011, pp. 249 - 255, 20-22.10.2011, Istanbul, Turkey.
- C60.** *"Behaviour of The Conductive Yarns and Fabrics in High Frequencies"*, Vassiliadis S., Stathopoulos N., Prekas K. and Savvaidis S., Proceedings of the International Conference on Intelligent Textiles and Mass Customisation, 27-29.10.2011, Casablanca, Morocco.
- C61.** *"Behaviour of the Electrically Conductive Textile Yarns in the SHF Range"*, Vassiliadis S., Prekas K., Stathopoulos N. and Savvaidis S., Proceedings of the SMARTEX 2011, 22-24.11.2011, Egypt; also in SMARTEX Research Journal, pp 1-7, Vol. 1, No1, March 2012.
- C62.** *"Design of a Wearable Digital System for the Gait Monitoring"*, Vassiliadis S., Potirakis S., Rangoussi M. and Provatidis Ch., Proceedings of the SMARTEX 2011, 22-24.11.2011, Egypt.
- C63.** *"Educational Reform of the Higher Education in Uzbekistan and in the EU: Parallel Experiences"*, Vassiliadis S., Invited speech in the Conference "Upbringing of Educated and Intellectually Advanced Generation as the Most Important Condition of Sustainable Development and Modernization of the Country", Tashkent 15-16.02.2012, Tashkent, Uzbekistan.
- C64.** *"Thermal Pads Made of Conductive Fabrics"*, Vassiliadis S., Domvoglu D., Potirakis S., Partalis A., Mecit D., Örnek M. and Turan S., Proceedings of the EGEMEDITEX, the International Congress on Healthcare and Medical Textiles, pp. 206-213, May 17-18, 2012, Izmir, Turkey.
- C65.** *"Conformation and Suitability of the Commercially Available Absorbent Cotton Wool"*, Vassiliadis S., Matsouka D., Boutris C. and Cay A., Proceedings of the EGEMEDITEX, the International Congress on Healthcare and Medical Textiles, pp. 429-437, May 17-18, 2012, Izmir, Turkey.
- C66.** *"Electromagnetic Shielding with Knitted Fabrics"*, Vassiliadis S., Marmarali A., Mytlinaios S. and Blaga M., Proceedings of the 46th IFKT Congress, pp. 832-838, 6-8 September 2012, Sinaia, Romania.
- C67.** *"Measurement of the Electrical Properties of Piezoelectric Yarns"*, Vassiliadis S., Matsouka D., Potirakis S. and Siores E., Proceedings of the 5th International Technical Textile Congress, 7-9 November 2012, Izmir, Turkey.
- C68.** *"Computational modelling approach of the air permeability of fabrics"*, Vassiliadis S., Kallivretaki A., Cay A. and Dimitrofski K., Proceedings of the CIRAT-5, 24-27 January 2013, Monastir, Tunisia.

- C69.** “*On the Feasibility and Applications of Wearable Antennas*”, Symeonidis S., Vassiliadis S., Mitilineos S., Potirakis S. and Vossou K., Proceedings of the International Istanbul Textile Conference, 30-31 May 2013, Istanbul, Turkey.
- C70.** “*A Conductive Textile Fabric for Microwave Shielding Applications*”, Tsitomeneas S., Vassiliadis S. and Charitou Ch., Proceedings of the International Istanbul Textile Conference, 30-31 May 2013, Istanbul, Turkey.
- C71.** “*Computational Modelling of Piezoelectric Fibres*”, Vossou C., Vassiliadis S., Matsouka D., and Siores E., Proceedings of the International Istanbul Textile Conference, 30-31 May 2013, Istanbul, Turkey
- C72.** “*New Textile Materials and Structures: An Ignition for Changes in the Neighboring Fields of Engineering*”, Vassiliadis S., Potirakis S., Mitilineos S., Stathopoulos N., Rangoussi M. and Prekas Kl., ICTTE October 2013, Yambol, Bulgaria.
- C73.** “*Electrical Characterization of Textiles*”, Potirakis S., Vassiliadis S., Stathopoulos N., Mitilineos S. and Vossou C., ICTTE October 2013, Yambol, Bulgaria.
- C74.** “*Textile Antennas Challenges and Applications: A Spiral Antenna Design for Textile Development*”, Mitilineos S., Ioannidis Z., Vassiliadis S., Potirakis S., Stathopoulos N., Savvaidis S., Vossou C. and Symeonidis S., ICTTE October 2013, Yambol, Bulgaria.
- C75.** “*Measurement of the Electrical Power Produced by Piezoelectric Fibres*”, Vassiliadis S., Matsouka D., Vossou C., Prekas K., Potirakis S., Soin N. and Siores E., XIIIth International Izmir Textile and Apparel Symposium, April 2-5, 2014, Antalya, Turkey.
- C76.** “*Multiaxial tensile testing of textile fabrics*”, Vassiliadis S., Potirakis S., Vossou C., Proceedings of the 47<sup>th</sup> IFKT Congress, September 25-26, 2014, Izmir, Turkey.
- C77.** “*Thickness Optimization of a Single Heterojunction Fibre Organic Photovoltaic using a Simulation Technique*”, Stathopoulos N., Savvaidis S., Vassiliadis S. and Voglis E., Proceedings of the 47<sup>th</sup> IFKT Congress, September 25-26, 2014, Izmir, Turkey, pp 244-249.
- C78.** “*Bitcoins: An opportunity or a Threat for the Textile Products Trade?*”, Vassiliadis S., Rigaki A., Papadopoulos P., Mytilineos S. Primentas A., Proceedings of the 47<sup>th</sup> IFKT Congress, September 25-26, 2014, Izmir, Turkey, pp 271-277.
- C79.** “*Computational Evaluation of Hospital Mattresses*”, Vassiliadis S., Matsouka D., Vossou C. and Prekas K., Proceedings of the 2<sup>nd</sup> International Congress on Healthcare and medical Textiles, September 25-26, 2014, Izmir, Turkey, pp 248-254.
- C80.** “*Thermochromic Fibres: Design and Implementation of Measurement Systems*”, Vassiliadis S., Vossou C., Potirakis S., Simeonidis S., Prekas K. and Karadimitrakis A., Proceedings of the 2<sup>nd</sup> International Congress on Healthcare and medical Textiles, September 25-26, 2014, Izmir, Turkey, pp 255-256.
- C81.** “*Computational Modelling of peltier Devices for Physiotherapy Purposes*”, Kossyvakis D., Vossou C., Vassiliadis S., Hristoforou E., Potirakis S. and Marmarali A., Proceedings of the 2<sup>nd</sup> International Congress on Healthcare and medical Textiles, September 25-26, 2014, Izmir, Turkey, pp 188-196.
- C82.** “*Thermochromic Footwear for Diabetic Feet*”, Vassiliadis S., Vossou C., Trikkalinou A. and Potirakis S., Proceedings of the 2<sup>nd</sup> International Congress on Healthcare and medical Textiles, September 25-26, 2014, Izmir, Turkey, pp 257-258.
- C83.** “*The concept and Design of a Wearable System Used by a Blind Person and her Guide Dog*”, Logothetis I., Vassiliadis S., Mitilineos S. and Prekas K., ICTTE October 2014, Yambol, Bulgaria.
- C84.** “*A new wearable Antena Designed Using Genetic Algorithms and Partially Made of Textile Materials*”, Mitilineos S., Vassiliadis S., Simeonidis S., Potirakis S., Stathopoulos N. and Savvaidis S., ICTTE October 2014, Yambol, Bulgaria.

- C85.** “*Estimation of Air Permeability In Terms of The Light Transmitted Through Woven Fabrics*”, Vassiliadis S., Potirakis S., Mangiorou E., Ahmedin C., Çay A., Vossou C. and Kosyvakis D., AUTEX 2015, June 2015, Bucharest, Romania.
- C86.** “*A Magnetostrictive Textile-Integrated Magnetic Sensing Device for the Detection of Static Magnetic Fields*”, Vassiliadis S., Kosyvakis D., Prekas K., Vossou C., Mangiorou E. and Potirakis S., AUTEX 2015, June 2015, Bucharest, Romania.
- C87.** “*Estimating Woven Fabrics Porosity in terms of Fractal Theory*”, Vassiliadis S., Potirakis S., Mangiorou E., Ahmedin C., Çay A., Vossou C. and Kosyvakis D., 5<sup>th</sup> International Istanbul Textile Congress, September 2015, Istanbul, Turkey.
- C88.** “*Design of a Textile Linear Spiral Antenna for Medical Imaging*”, Mitilineos S., Vassiliadis S., Grimanis P., Rizopoulos K., Savvaidis S., Stathopoulos N., Kursun S., Atalay Ö. and Kalaoğlu F., 5<sup>th</sup> International Istanbul Textile Congress, September 2015, Istanbul, Turkey.
- C89.** “*Acoustic Finite Element Modelling of Spacer Fabrics*”, Vossou C., Stamataki Z., Potirakis S., Vassiliadis S., Marmarali A., Ertekin G. and Provatidis C., 5<sup>th</sup> International Istanbul Textile Congress, September 2015, Istanbul, Turkey.
- C90.** “*3D Printed Textile Fabrics Structures*”, Partsch L., Vassiliadis S., and Papageorgas P., 5<sup>th</sup> International Istanbul Textile Congress, September 2015, Istanbul, Turkey.
- C91.** “*Calculation of Key Structural Parameters of Woven Fabrics Pores Through Image Analysis*”, Potirakis S., Vassiliadis S., Mangiorou E., Ahmedin C., Çay A., Jacquin P., Vossou C. and Kosyvakis D., 6<sup>th</sup> International Technical Textiles Congress, October 2015, Izmir, Turkey (accepted paper).
- C92.** “*Fabrics Modelling: 100 Years Continuous and Exciting Evolution*”, Vassiliadis S., Çay A., Mionett P., Provatidis C., 6<sup>th</sup> International Technical Textiles Congress, October 2015, Izmir, Turkey (accepted paper).
- C93.** “*Enhancements of a Capacitor - Based Measurement of the Tensile Properties of Textiles*”, Vassiliadis S., Kyriakis-Bitaros E., Vossou C., Stathopoulos N., Chatzandroulis S., Prekas K., Marmarali A., Blaga M., 6<sup>th</sup> International Technical Textiles Congress, October 2015, Izmir, Turkey (accepted paper).
- C94.** “*Converse Piezoelectric Effect on Pzt Membrane*”, Logothetis I., Vassiliadis S., Matsouka D., Vossou C., Potirakis S., Prekas K. and Siores E., 6<sup>th</sup> International Technical Textiles Congress, October 2015, Izmir, Turkey (accepted paper).

### 5.3 Βιβλία και κεφάλαια βιβλίων

- B1.** “*Automation and the Textile Industry*”, 136 σελ. έκδοση EUROTEX, Πορτογαλία, 1996.
- B2.** “*Artificial Neural Networks and their Applications in the Engineering of Fabrics*”, Vassiliadis S., Rangoussi M., Cay A. and Provatidis Ch., in “[Woven Fabric Engineering](#)” Ed. by Dubrovski P., Sciyo Publ., ISBN 978-953-307-194-7, pp. 111-134, 2010 (Μέχρι Ιούλιο 2015: ~5900 downloads).
- B3.** “*Mechanical Analysis of Woven Fabrics: The State of the Art*”, Vassiliadis S., Kallivretaki A., Domvoglou D. and Provatidis Ch., in “[Advances in Modern Woven Fabrics Technology](#)”, Ed. by S. Vassiliadis, InTech Publ., ISBN 978-953-307-337-8, 2011 (Μέχρι Ιούλιο 2015: ~6600 downloads).
- B4.** “*Electronics and Computing in Textiles*”, Vassiliadis S. Editor., ISBN 978-87-403-082-0. Bookboon Publ. <http://bookboon.com/en/textbooks/it-programming/electronics-and-computing-in-textiles>.
- B5.** “*Communication Protocol for Vital Signs Sensors Used for the Monitoring of Athletes*”, Vassiliadis S., Potirakis S., Kogias D. and Michailidis E., in “Smart Textiles and their applications” (ed. Vladan Koncar), Elsevier Publ. 2015 (accepted for publication).



#### 5.4 Λοιπές δημοσιεύσεις σε περιοδικά και έντυπα

**JJ.1** "*Short Staple Spinning*", S. Vassiliadis, άρθρο της έκδοσης "Critical Evaluation of ITMA '91" του TEXTRANET, Paris, France.

**JJ.2** "*Βελτιστοποιήσεις στην Κλωστική*", Σ. Βασιλειάδης, Ένθετο: Καινοτομίες και Εκσυγχρονισμοί του Μηχανολογικού εξοπλισμού της Κλωστοϋφαντουργίας, ITMA 1995, Ίνα και Ύλη 1996, Αθήνα.

**JJ.3** "*Η κλωστοϋφαντουργία στις αρχές του εικοστού αιώνα*", Σάββας Βασιλειάδης, Αρχαιολογία, τεύχος 85Α, σελ.37-47, Δεκέμβριος 2002, Αθήνα.

#### 5.5 Λοιπές ανακοινώσεις σε συνέδρια

**CC.1** "*Αυτοματισμοί στην Κλωστοϋφαντουργία - Ηλεκτρονικοί Νηματοκαθαριστές*", Σ. Βασιλειάδης, 3ο Συμπόσιο Κλωστοϋφαντουργίας, Νοέμβριος 1990, Θεσσαλονίκη.

**CC.2** "*Advanced Pattern Matching Techniques Applied in the Fibres Classification Field*", S. Vassiliadis, A. Delopoulos, 2<sup>nd</sup> International Symposium of EUROTEX, July 1991, Covilha, Portugal.

**CC.3** "*Οι Αυτοματισμοί και η Συμβολή τους στην Αύξηση της Παραγωγικότητας*", Σ. Βασιλειάδης, Συμπόσιο Κλωστοϋφαντουργίας - Ένδυσης, Νοέμβριος 1991, Αθήνα.

**CC.4** "*Use of Solar Energy: A Technological Review*", S. Vassiliadis, 4<sup>th</sup> International Symposium of EUROTEX, July 1992, Guimaraes, Portugal..

**CC.5** "*Αισθητήρια στην Κλωστοϋφαντουργία*", Σ. Βασιλειάδης, Ημερίδα του Τεχνικού Επιμελητήριου της Ελλάδας "Sensors 1993 - Αισθητήρια 1993", Μάιος 1993, Αθήνα.

**CC.6** "*Μη Συμβατική Νηματοποίηση PLYFIL*", Σ. Βασιλειάδης, Ημερίδα "Τεχνολογικές εξελίξεις στη νηματουργία και η ελληνική πραγματικότητα", Σύνδεσμος Επιστημόνων Κλωστοϋφαντουργών, Μάιος 1993, Αθήνα.

**CC.7** "*Η συμβολή της εξομοίωσης με χρήση Η/Υ στην τεχνική εκπαίδευση*", Σ. Βασιλειάδης, Κ. Πρέκας, Θ. Πέππας, 7ο Συνέδριο Ένωσης Ελλήνων Φυσικών, 11-13.02.00, Ζάκυνθος.

**CC.8** "*Objective Measurement of Fabric Hand*", S. Vassiliadis, International Scientific-Practical Conference "Textile 2000", 24-26.05.00 Tashkent, Uzbekistan.

**CC.9** "*Υπολογιστική Μέθοδος Προσέγγισης της Μικρομηχανικής Δομής του Υφάσματος*", Σ. Βασιλειάδης, Χρ. Προβατίδης, Λ.Τσιγγινός, Πρακτικά Γ' Συνεδρίου Τεχνολογίας και Αυτοματισμού, σελ. 455-460, 14-16.10.00, Αθήνα.

**CC.10** "*Το Ελληνικό Βαμβάκι και η Πρόκληση της Νέας Τεχνολογίας*", Α. Πέππας, Σ. Βασιλειάδης, Πρακτικά Γ' Συνεδρίου Τεχνολογίας και Αυτοματισμού, 14-16.10.00, Αθήνα, σελ. 469-474.

**CC.11** "*Θερμικές Ιδιότητες Κλωστοϋφαντουργικών Υλικών*", Σ. Βασιλειάδης, Β. Καμπύλη, Θ. Πέππας, Πρακτικά 9ου Πανελληνίου Συνεδρίου Φυσικής, 1-4.11.01, Χίος.

**CC.12** "*Subjective Assessment and Objective Measurement of the Fabric Hand*", S. Vassiliadis, C. Provatidis, P. Gerali and N. Zorzou, 2001, First Hellenic-Turkish International Physics Conference. Bodrum-Turkey and Kos-Greece, 10-15 September 2001.

**CC.13** "*The Industrial Liaison Offices as Tools for the Increase of the Visibility of the Universities*", Vassiliadis S., International Round Table "Processes and Intelligent Systems in Textile Industry" 13-16.07.08 Iasi, Romania.

**CC.14** "*The Role of Modelling in the Prediction of Comfort Properties*", Vassiliadis S., International Round Table "Clothing Comfort – Condition of Life Quality" 25-26.09.09 Iasi, Romania.

**CC.15** “Εφαρμογές Ευφυών Υφασμάτων/Ενδυμάτων με Χρήση Ενσωματωμένων Αισθητήρων για την Προστασία και Παρακολούθηση της Φυσικής Κατάστασης και Υγείας του Προσωπικού σε Αντίξοες Συνθήκες”, Σ. Βασιλειάδης, Ημερίδα ΣΤΗΑΔ, 29.03.2012, Αθήνα.

## **5.6 Προτάσεις ερευνητικών έργων σε εκδηλώσεις τεχνολογικής μεσιτείας**

**TB.1** “*Development and production of thermochromic fibres for technical and medical applications*”, S. Vassiliadis, S. M. Potirakis, M. Rangoussi, C. Vossou, E. Siores, A. Çay, The 5th International R&D Brokerage Event in Textile and Confection Sector, 4 &5 April 2013, Bursa, Turkey (**Second Project Award: 5000 TL**).

**TB.2** “*Hit detection system for first responders (FR-HDS)*”, S. Vassiliadis, S. Mitilineos, S. M. Potirakis, C. Vossou, A. Marmarali, M. C. Ergogan, Bursa, The 5th International R&D Brokerage Event in Textile and Confection Sector, 4 &5 April 2013, Bursa, Turkey.

**TB.3** “*Conductive textiles for upholstery applications*”, S. M. Potirakis, S. Vassiliadis, C. Vossou, D. Mecit, M. Rangoussi, The 5th International R&D Brokerage Event in Textile and Confection Sector, 4 &5 April 2013, Bursa, Turkey.

**TB.4** “*From curtains and carpets to dry building elements made of 3D textiles with sound absorbing properties*”, S. M. Potirakis, N.-A. Tatlas, S. Vassiliadis, C. Vossou, A. Çay, A. Marmarali, M. Rangoussi, E. Siores, The 5th International R&D Brokerage Event in Textile and Confection Sector, 4 &5 April 2013, Bursa, Turkey.

**TB.5** “*Textile sound absorbers/reflectors with adjustable properties*”, S. M. Potirakis, D. T. G. Katerelos, K. Drossos, N.-A. Tatlas, A. Floros, A. Kokkinos, S. Vassiliadis, C. Vossou, A. Çay, A. Marmarali, E. Siores, The 5th International R&D Brokerage Event in Textile and Confection Sector, 4 &5 April 2013, Bursa, Turkey.

**TB.6** “*Integrated Textile Antenna System for First Responders*”, S. Vassiliadis, S. Mitilineos, S. M. Potirakis, S. Savvaidis, N. Stathopoulos, A. Marmarali, M.C. Erdogan, The 5th International R&D Brokerage Event in Textile and Confection Sector, 4 &5 April 2013, Bursa, Turkey.

**TB.7** “*3D textiles with sound absorbing properties as dry building elements*”, S. M. Potirakis, N.-A. Tatlas, S. Vassiliadis, C. Vossou, A. Çay, A. Marmarali, M. Rangoussi, E. Siores, Istanbul Brokerage Event Functional and Innovative Textiles, 1 June 2013, Istanbul, Turkey.

**TB.8** “*Development of an optimization tool for energy harvesting devices with piezoelectric fibres*”, C. Vossou, S. Vassiliadis, S. M. Potirakis, S. Mitilineos, E. Siores, T. Shah, N. Soin, D. Matsouka, Istanbul Brokerage Event Functional and Innovative Textiles, 1 June 2013, Istanbul, Turkey.

**TB.9** “*Bullet penetration detection system for first responders*”, S. Mitilineos, S. Vassiliadis, S. M. Potirakis, C. Vossou, A. Marmarali, M. C. Ergogan, Istanbul Brokerage Event Functional and Innovative Textiles, 1 June 2013, Istanbul, Turkey.

**TB.10** “*Textile acoustic ceiling tiles*”, S. M. Potirakis, N.-A. Tatlas, C. Vossou, S. Vassiliadis, A. Çay, A. Marmarali, M. Rangoussi, The 6th International R&D Brokerage Event in Textile and Clothing Sector, 3 &4 April 2014, Bursa, Turkey.

**TB.11** “*Smart vest for the monitoring of first responders / border policemen situation: A wireless sensor network approach*”, S. M. Potirakis, C. Vossou, S. Vassiliadis, S. Mitilineos, M. Rangoussi, G. Tuna, G. Gezer, K. Gulez, The 6th International R&D Brokerage Event in Textile and Clothing Sector, 3 &4 April 2014, Bursa, Turkey.

**TB.12** “*Active noise control by textile structures comprising embedded sound sensors & actuators based on piezoelectric fibers*”, M. Rangoussi, S. M. Potirakis, N.-A. Tatlas, C. Vossou, S. Vassiliadis, A. Marmarali, A. Çay, E. Siores, The 6th International R&D Brokerage Event in Textile and Clothing Sector, 3 &4 April 2014, Bursa, Turkey.

**TB.13** “*Early medical warning by thermochromic garments*”, M. Rangoussi, C. Vossou, S. Vassiliadis, S. M. Potirakis, A. Trikkalino, E. Siores, A. Çay, The 6th International R&D Brokerage Event in Textile and Clothing Sector, 3 & 4 April 2014, Bursa, Turkey.

**TB.14** “*Gradient Compression Stockings of High Reliability*”, S. M. Potirakis, S. Vassiliadis, M. Rangoussi, C. Vossou, E. Siores, A. Çay, The 7th International R&D Brokerage Event in Textile and Clothing Sector, 27-29 May 2015, Bursa, Turkey.

**TB.15** “*Textile Thermoelectric Elements*”, S. Vassiliadis, S. M. Potirakis, M. Rangoussi, N. Stathopoulos, C. Vossou, E. Siores, D. Vatansever, A. Çay, The 7th International R&D Brokerage Event in Textile and Clothing Sector, 27-29 May 2015, Bursa, Turkey.

**TB.16** “*Multiaxial Tensile Testing Equipment for Textiles*”, S. Vassiliadis, S. M. Potirakis, M. Rangoussi, C. Vossou, E. Siores, A. Marmarali, The 7th International R&D Brokerage Event in Textile and Clothing Sector, 27-29 May 2015, Bursa, Turkey.

**TB.17** “*Spacer Mattresses*”, S. M. Potirakis, S. Vassiliadis, M. Rangoussi, C. Vossou, E. Siores, A. Marmarali, A. Çay, Ertekin G., The 7th International R&D Brokerage Event in Textile and Clothing Sector, 27-29 May 2015, Bursa, Turkey.

**TB.18** “*Electric Blanket Automatically controlled in Zones*”, S. M. Potirakis, C. Vossou, S. Vassiliadis, M. Rangoussi, A. Çay, The 7th International R&D Brokerage Event in Textile and Clothing Sector, 27-29 May 2015, Bursa, Turkey.

**TB.19** “*Memory Mattress Topper*”, S. Vassiliadis, C. Vossou, S. M. Potirakis, M. Rangoussi, A. Marmarali, A. Çay, Ertekin G., The 7th International R&D Brokerage Event in Textile and Clothing Sector, 27-29 May 2015, Bursa, Turkey.

## 5.7 Διατριβές

**T1.** “*Σύστημα Ελέγχου Σποραδικών Σφαλμάτων Νήματος*”, Σ. Βασιλειάδης, Διπλωματική εργασία στον Τομέα Πληροφορικής της Σχολής Ηλεκτρολόγων Μηχανικών και Μηχανικών Ηλεκτρονικών Υπολογιστών του Εθνικού Μετσόβιου Πολυτεχνείου.

**T2.** “*Μοντέλα Μηχανικής Συμπεριφοράς των Υφασμάτων με Έμφαση στη Μικροδομή τους*”, Σ. Βασιλειάδης, Διδακτορική διατριβή στον Τομέα Μηχανικής Κατασκευών και Αυτομάτου Ελέγχου της Σχολής Μηχανολόγων Μηχανικών του Εθνικού Μετσόβιου Πολυτεχνείου.

## 5.8 Συγγραφή και μετάφραση τεχνικών βιβλίων και σημειώσεων

**BN.1** “*Νέες Τεχνολογίες Νηματοποίησης*”, 306 σελ., ISBN 960-90469-0-8, Αθήνα, 1997. Χρησιμοποιείται ως διδακτικό βοήθημα στο 7<sup>ο</sup> εξάμηνο του τμήματος Κλωστούφαντουργών Μηχανικών Τ.Ε. του Α.Ε.Ι. Πειραιά Τ.Τ. (ΤΕΙ Πειραιά) (Κωδικός Ευδόξου 28053).

**BN.2** Μετάφραση στα Ελληνικά του βιβλίου “*Fibres*” της σειράς “*An Introduction to Textiles*”, έκδοση EUROTEX. Ελληνικός τίτλος: “*Κλωστούφαντουργικές Ίνες*”, 126 σελ., ISBN 960-90917-1-7, 960-90469-1-6, 2003. Χρησιμοποιείται ως διδακτικό βοήθημα στο τμήμα Κλωστούφαντουργών Μηχανικών Τ.Ε. του Α.Ε.Ι. Πειραιά Τ.Τ. (ΤΕΙ Πειραιά) και στο τμήμα Σχεδιασμού και Τεχνολογίας Ένδυσης του ΤΕΙ Κεντρικής Μακεδονίας (Κωδικός Ευδόξου 28057).

**BN.3** Μετάφραση στα Ελληνικά του βιβλίου “*Yarns*” της σειράς “*An Introduction to Textiles*”, έκδοση EUROTEX. Ελληνικός τίτλος: “*Τεχνολογία Νημάτων*”, 126 σελ., ISBN 960-90917-3-3, 960-90469-3-2, 2003. Χρησιμοποιείται ως διδακτικό βοήθημα στο τμήμα Κλωστούφαντουργών Μηχανικών Τ.Ε. του Α.Ε.Ι. Πειραιά Τ.Τ. (ΤΕΙ Πειραιά) και στο τμήμα Σχεδιασμού και Τεχνολογίας Ένδυσης του ΤΕΙ Κεντρικής Μακεδονίας (Κωδικός Ευδόξου 28061).

**BN.4** Μετάφραση στα Ελληνικά του βιβλίου “*Fabrics*” της σειράς “*An Introduction to Textiles*”, έκδοση EUROTEX. Ελληνικός τίτλος: “*Τεχνολογία Υφασμάτων*”, 222 σελ., ISBN 960-90917-2-5, 960-90469-2-4, 2003. Χρησιμοποιείται ως διδακτικό βοήθημα στο τμήμα

Κλωστοϋφαντουργών Μηχανικών Τ.Ε. του Α.Ε.Ι. Πειραιά Τ.Τ. (ΤΕΙ Πειραιά), στο τμήμα Σχεδιασμού και Τεχνολογίας Ένδυσης του ΤΕΙ Κεντρικής Μακεδονίας και στην Ανώτατη Εκκλησιαστική Ακαδημία της Αθήνας (Κωδικός Ευδόξου 2805).

**BN.5** Μετάφραση στα Ελληνικά του βιβλίου "*Textile Wet Processing*" της σειράς "*An Introduction to Textiles*", έκδοση EUROTEX. Ελληνικός τίτλος: "Τεχνολογία Βαφής και Φινιρίσματος", 206 σελ., ISBN 960-90917-4-1, 960-90469-4-0, 2003. Χρησιμοποιείται ως διδακτικό βοήθημα στο τμήμα Κλωστοϋφαντουργών Μηχανικών Τ.Ε. του Α.Ε.Ι. Πειραιά Τ.Τ. (ΤΕΙ Πειραιά) και στο τμήμα Σχεδιασμού και Τεχνολογίας Ένδυσης του ΤΕΙ Κεντρικής Μακεδονίας (Κωδικός Ευδόξου 28063).

**BN.6** Μετάφραση στα Ελληνικά του βιβλίου "Quality in Textiles", Mario Bona, Ελληνική έκδοση: "Ποιότητα και έλεγχος Ποιότητας Κλωστοϋφαντουργικών Προϊόντων και Ενδυμάτων", 688 σελ., 2005. Χρησιμοποιείται ως διδακτικό βοήθημα στο τμήμα Κλωστοϋφαντουργών Μηχανικών Τ.Ε. του Α.Ε.Ι. Πειραιά Τ.Τ. (ΤΕΙ Πειραιά) και στο τμήμα Σχεδιασμού και Τεχνολογίας Ένδυσης του ΤΕΙ Κεντρικής Μακεδονίας (Κωδικός Ευδόξου 28054).

**BN.7** Συγγραφή σημειώσεων για το εργαστήριο "Ηλεκτρικά Κυκλώματα ΙΙ, του Β' εξαμήνου του Τμήματος Ηλεκτρονικών Μηχανικών Τ.Ε. του Α.Ε.Ι. Πειραιά Τ.Τ. (ΤΕΙ Πειραιά).

**BN.8** Συγγραφή σημειώσεων για το εργαστήριο "Αρχιτεκτονική και Οργάνωση Μικροϋπολογιστών Ι" του Γ' εξαμήνου του Τμήματος Ηλεκτρονικών Μηχανικών Τ.Ε. του Α.Ε.Ι. Πειραιά Τ.Τ. (ΤΕΙ Πειραιά).

## 5.9 Ετεροαναφορές

Μέχρι τον Ιούλιο του 2015 έχουν καταγραφεί **212** ετεροαναφορές του δημοσιευμένου έργου από ομότιμους ερευνητές. Αναλυτικός κατάλογος των ετεροαναφορών υποβάλλεται σε ξεχωριστό έγγραφο.

Με βάση τα στοιχεία της βιβλιογραφικής βάσης δεδομένων Google Scholar προκύπτουν τα παρακάτω στοιχεία:

Documents: 28  
Citations: 129  
h-index: 7

Με βάση τα στοιχεία της βιβλιογραφικής βάσης δεδομένων Scopus προκύπτουν τα παρακάτω στοιχεία:

Documents: 20  
Citations: 54  
h-index: 5

## 6. ΔΙΕΘΝΗΣ ΕΠΙΣΤΗΜΟΝΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ

### 6.1 Συμμετοχή σε επιστημονικές επιτροπές διεθνών συνεδρίων

**IC.1** AUTEX 2007, Tampere, Finland, June 2007.

**IC.2** CORTEP 2007, Iasi, Romania, October 2007.

**IC.3** ITMC 2007, Casablanca, Morocco, November 2007.

**IC.4** AUTEX 2008, Biella, Italy, June 2008.

**IC.5** CIRAT-3, Sousse, Tunisia 2008.

**IC.6** AUTEX 2009, Izmir, Turkey, May 2009.

**IC.7** eRA-4, Spetses, Greece, September 2009.

**IC.8** ITMC 2009, Casablanca, Morocco, November 2009.

**IC.9** AUTEX 2010, Vilnius, Lithuania, May 2010.

**IC.10** IITAS 2010, Izmir, Turkey October 2010.