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Gradul didactic: Șef lucrări dr. ing.  
Instituția unde este titular: Universitatea „Lucian Blaga” din Sibiu  
Facultatea: de Inginerie  
Departamentul: Mașini și Echipamente Industriale

## L I S T A

### lucrărilor științifice în domeniul disciplinelor din postul didactic

#### A. Teza de doctorat

„Cercetări privind dezvoltarea bazei de materii prime destinate producerii articolelor pe mașini circulare de tricatat ciorapi” (Research regarding the development of raw materials base for sock production on circular knitting machines)

Conducător Științific: Prof. Univ. Dr. Ing. Costea BUDULAN

Susținere publică: 28.10.2013, Universitatea Tehnică “GHEORGHE ASACHI” IAȘI, Facultatea de Textile - Pielărie și Management Industrial.

#### B. Cărți și capitole în cărți **publicate în ultimii 10 ani**

1. **Dorin VLAD - Monografie științifică**, vol. 1, cu titlul: Cercetări privind folosirea materiilor prime ecologice și a tratamentelor speciale în diversificarea articolelor tricotate pentru sectorul tehnic și medical - ISBN 978-606-12-1068-8, Vol. 1: Proprietăți fizico-mecanice - ISBN 978-606-12-1090-9, 304 pag., Editura Universității "Lucian Blaga" din Sibiu, 2015.
2. **Dorin VLAD - Monografie științifică**, vol. 2, cu titlul: Cercetări privind folosirea materiilor prime ecologice și a tratamentelor speciale în diversificarea articolelor tricotate pentru sectorul tehnic și medical. Volumul 2: Proprietăți de Confort și Tratamente Speciale de Finisare, Monografie științifică, Editura Universității „Lucian Blaga” din Sibiu, ISBN 978-606-12-1068-8; vol. 2: 978-606-12-1423-5, data publicării: decembrie 2016, nr. de pagini: 214.

#### C. Lucrări indexate ISI/BDI **publicate în ultimii 10 ani**

[1] Vlad, Dorin, Oleksik, Mihaela – Research Regarding Uniaxial Tensile Strength Of Nylon Woven Fabrics, Coated And Uncoated With Silicone, 9th International Conference On Manufacturing Science And Education (MSE 2019): Trends In New Industrial Revolution, june 05-07, 2019, România, DOI: 10.1051/matecconf/201929009003,

[https://apps.webofknowledge.com/full\\_record.do?product=WOS&search\\_mode=GeneralSearch&qid=1&SID=C1XZwCFZbODUliAR1fz&page=1&doc=8](https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C1XZwCFZbODUliAR1fz&page=1&doc=8)

[2] Alina Mihaela Coldea, **Dorin Vlad** - Study Regarding the Physical-Mechanical Properties of Knits for Garments - Pilling Performance, Proceedings of MSE 2017, 8th INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION - MSE 2017 - TRENDS IN NEW INDUSTRIAL REVOLUTION, 7-9 june 2017, România, <https://www.matec-conferences.org/articles/matecconf/abs/2017/35/contents/contents.html>, Published online: 09 August 2017, DOI: <https://doi.org/10.1051/matecconf/201712101002>

[3] **Dorin VLAD**, Ionel BARBU, Monica SZABO – Research on Transfer of Liquid Water Absorption

of Knitted Structures for Socks Destination, Annals of The University of Oradea, Fascicle of Textiles, Leatherwork, International Scientific Conference "Innovative solutions for sustainable development of textiles and leather industry", 27th-28th of May 2016, Oradea, Romania, vol. XVII, nr. 2, ISSN 1843 – 813X, anul publicării: mai 2016, pp. 139-144, Indexare: Copernicus; DOAJ; EBSCO, <http://www.journals.indexcopernicus.com/Annals+of+the+University+of+Oradea+Fascicle+of+Textiles+Leatherwork,p2900.3.html>;

[4] **Vlad, Dorin**; Coldea, Alina Mihaela; Iridon, Anca Madalina - Study On The Water Vapor Permeability Through Geotextiles Used In Repair / Stabilizing Roads, ACADEMIC JOURNAL OF MANUFACTURING ENGINEERING vol.14, no. 2, ISSN 1583-7904, Data publicării: noiembrie 2016, pp.102-106, Indexare: EBSCO; SCHOLAR GOOGLE, <http://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=15837904&AN=119379592&h=CQtdv0fyMJX3i3Y%2ftd7Lp9ZCN3221RQ4Ht4z%2fQtYnALlqzVQyGsWRvGIBMNkyrUPLUP73yrC6JErU2NPF2aW3w%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d15837904%26AN%3d119379592>  
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[5] **Dorin VLAD**, Lucian-Ionel CIOCA - Research Regarding the Influence of Raw Material and Woven Fabric Geometry on the Air Permeability of Mattress, Procedia Engineering, 10th International Conference Interdisciplinarity in Engineering, INTER-ENG 2016, Targu-Mureş, Romania, ISSN: 1877-7058, 10.1016/j.proeng.2017.02.396, <http://www.inter-eng.upm.ro/2016/>, octombrie 2016.

[6] Alina Mihaela COLDEA, **Dorin VLAD** - "Research Regarding the Physical-Mechanical Properties of Knits for Garments – Abrasion Resistance, Procedia Engineering, 10th International Conference Interdisciplinarity in Engineering, INTER-ENG 2016, Targu-Mureş, Romania ISSN: 1877-7058, 10.1016/j.proeng.2017.02.397 <http://www.inter-eng.upm.ro/2016/>, Data publicării: octombrie 2016

[7] **Dorin VLAD**, Lucian-Ionel CIOCA - Research Regarding the Influence of Raw Material and Knitted Fabric Geometry on the Tensile Strength and Breaking Elongation, Procedia Engineering, 10th International Conference Interdisciplinarity in Engineering, INTER-ENG 2015, Targu-Mureş, Romania, ISSN: 1877-7058, 10.1016/j.protcy.2016.01.010, <http://www.inter-eng.upm.ro/2015/> Data publicării: ianuarie 2016

[8] Lal Mohan Baral, Lucian Lobonţ, Bogdan Chiliban, **Vlad Dorin** - Preparing Smart Students Through Performing Problem Based Learning Activities Within University-Industry Collaborative Knowledge Sharing Platform, Proceedings of the 3rd International Engineering and Technology Education Conference (IETEC'15) and 7th Balkan Region Conference on Engineering and Business Education (BRCEBE), 1st – 4th November 2015, Sibiu, Romania, ISSN: 1843-6730, ISBN: 978-0-646-94781-5, pp. 96-101

[9] **Dorin Vlad**, Lucian Cioca - Research Regarding the Influence of Raw Material and Knitted Fabric Geometry on the Tensile Strength and Breaking Elongation, The 9th International Conference, INTER-ENG 2015, Interdisciplinarity in Engineering, 8 - 9 October 2015, "Petru Maior" University of Tîrgu-Mureş, Romania, ISI Proceeding (în curs de publicare), <http://inter-eng.upm.ro/2015/files/technical-program/Brochure.pdf>, Published on Journal Procedia Technology, Reference no. PROTCY2124, PII: S2212-0173(16)00011-6, Volume 22, 2016, Pages 60–67, doi:10.1016/j.protcy.2016.01.010, <http://www.sciencedirect.com/science/article/pii/S2212017316000116>

[10] **Vlad Dorin**, Coldea Alina - Study Regarding Yarn Tension during Knitting on Circular Machine with Small Diameter, International Scientific Conference "Innovative solutions for sustainable development of textiles and leather industry", 22rd-23th of May 2015, Oradea, Romania, ISSN 1843 – 813X, (CD-ROM)=2068 – 1070, ISSN-L = 1843 – 813X, Volume XVI – nr.1, 2015, pp.93-98, Publishing House of University of Oradea (Editura Universităţii din Oradea), 2015  
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[11] **Dorin Vlad**, Alina Mihaela Coldea - Research Regarding The Influence Of Knitted Fabric Geometry On Air Permeability, Joint International Conference of Doctoral and Post-Doctoral Researchers, Craiova, 12-13 September 2014, CONFERENCE PROCEEDINGS - ISBN 978-606-26-0215-4, VOLUME 2: Post-Doctoral research within Engineering and Exact Sciences, ISBN 978-606-26-0217-8, pp.322-330. Volumul de față este publicat în cadrul proiectului strategic: „Burse Universitare în România prin Sprijin European pentru Doctoranzi și Post-doctoranzi (BURSE DOC-POSTDOC)”, Contract nr. POSDRU/159/1.5/S/133255

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[12] Alina Coldea, **Dorin Vlad**, Costea Budulan - The Influence of Raw Material On the Liquid Moisture Transport Through Knitted Fabric, International Scientific Conference "Innovative solutions for sustainable development of textiles and leather industry", 23rd-24th of May 2014, Oradea, Romania, "Annals of The University of Oradea. Fascicle of Textiles, Leatherwork", publication issued by Publishing House of University of Oradea (Editura Universității din Oradea)", Volume XV, 2014. (Print) = ISSN 1843 – 813X, (CD-ROM) =2068 – 1070, ISSN-L = 1843 – 813X

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EBSCO-Textile Technology Complete, Index Copernicus, DOAJ (Directory of Open Access Journals), Ulrich's Update - Periodicals Directory, Directory of Research Journal Indexing (DRJI), International Impact Factor Services, SCPIO

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[13] Diana Coman, Narcisa Vrînceanu, Simona Oancea, **Dorin Vlad** - Application of Antibiotics and Peptides for Textiles with Antimicrobial Barrier: Interaction and Assessment, Proceedings of the the Fourth International Proficiency Testing Conference Brasov, Romania, (17)18th – 20th September, 2013  
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[14] Diana Coman, Simona Oancea, Narcisa Vrînceanu, **Dorin Vlad** - The Correlation between Morphological and Structural Features and the Mechanical Behavior of Eco-dyed Textile Composites, 2nd WSEAS International Conference on ENERGY and ENVIRONMENT TECHNOLOGIES and EQUIPMENT (EEETE '13) June 1-3, 2013, Brasov, Romania., Proceedings of the 6th International Conference on Manufacturing Engineering, Quality and Production Systems (MEQUAPS `13), ISSN: 2227-4588, ISBN: 978-1-61804-193-7, [www.wseas.org](http://www.wseas.org), pp. 254-259

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[15] **Dorin VLAD**, Alina Mihaela, COLDEA - The Influence of Humidity on the Tensile Strength and Breaking Elongation of Yarns for Knitting Socks, Annals of The University of Oradea, Fascicle of Textiles, Leatherwork, Volume Xiv, 2013.

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[16] Alina Mihaela, COLDEA, **Dorin VLAD** - Transfer of Water Vapour thru the Articles Knitted On Small Diameter Circular Machine, ANNALS OF THE UNIVERSITY OF ORADEA, FASCICLE OF TEXTILES, LEATHERWORK, VOLUME XIV, 2013.

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[17] **Dorin Vlad**, Alina Floca, Costea Budulan, Study concerning the influence of the raw material on strength and elongation of knit for socks, Annals of the Oradea University. Fascicle Of Textile-Leatherwork, VOLUME XIII, ISSN 1843 – 813X, June 1st-2<sup>nd</sup>, 2012, pp. 151-155, Ulrich's Update - Periodicals Directory; Directory of Open Access Journals (DOAJ); Directory of Research Journals Indexing (DRJI); SCPIO,

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[18] Alina Floca, **Dorin Vlad**, Costea Budulan, Study concerning the influence of the raw material on the friction resistance of socks - Annals of The Oradea University. Fascicle of Textile- Leatherwork, VOLUME XIII, ISSN 1843 – 813X, June 1st-2<sup>nd</sup>, 2012, pp. 63-66, 5 page., Ulrich's Update - Periodicals Directory; Directory of Open Access Journals (DOAJ); Directory of Research Journals Indexing (DRJI); SCIPPIO,

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[19] Alina Coldea, **Dorin Vlad** – “*Research Regarding Air Permeability Of Knitted Fabric*”, ANNALS OF THE UNIVERSITY OF ORADEA, FASCICLE OF TEXTILES, LEATHERWORK, VOLUME XII, p. 54 – 57, 2011, Ulrich's Update - Periodicals Directory; Directory of Open Access Journals (DOAJ) ; Directory of Research Journals Indexing (DRJI); SCIPPIO,  
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[20] Diana Coman, Ioan Neagu, **Dorin Vlad**, Cristian Matran, “*Researches regarding the using new textile parts in the automotive industry*”, Annals of DAAAM for 2010 and Proceedings of the 21th International DAAAM Symposium, Zadar, Croatia Zadar, Croatia, 20-23rd October 2010,  
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[21] **Dorin Vlad**, Alina Floca, Milena Dinu, “*Study on Strength and Breaking Elongation for Yarns and Knitted Fabrics Used to Make Socks*”, Annals of DAAAM for 2010 and Proceedings of the 21th International DAAAM Symposium, Zadar, Croatia, 20-23rd October 2010,  
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#### D. Lucrări publicate în ultimii 10 ani în reviste și volume de conferințe cu referenți (neindexate)

[1] **Dorin VLAD**, Milena Dinu - “Study regarding the influence of humidity on the tensile strength and



elongation at break of wool yarn for knitted fabric`, BRAMAT 2015, 9-th International Conference of Materials Science and Engineering, 5-7 march 2015, Braşov, Romania.

[2] **Dorin Vlad**, Alina Mihaela Coldea, Diana Coman - Study regarding the use of new sustainable textile materials, Conferinţa Zilele Academiei de Ştiinţe Tehnice din România, Ediţia a 9-a, cu tematica: "Dezvoltare durabilă aplicată şi favorabilă incluziunii", 6-7 noiembrie 2014, Sibiu, publicare în Buletinul AGIR, ISSN - L 1224-7928, ISSN online 2247-3548, Anul XX, Supliment nr. 2/2015, pp. 115-123, B+-CNCSIS, Editura AGIR, Bucureşti, 2015, <http://www.agir.ro/buletine/2279.pdf>

[3] Alina COLDEA, **Dorin VLAD**, Costea BUDULAN - Study concerning the influence of the raw material on strength and elongation of knit for mattress, 18th International Conference, Structure and Structural Mechanics of Textiles, TU Liberec, Czech Republic, December 2011, [http://www.ft.tul.cz/projekty/KITTOP/download/conf\\_prog.pdf](http://www.ft.tul.cz/projekty/KITTOP/download/conf_prog.pdf)  
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[5] **VLAD, Dorin; COLDEA (FLOCA), Alina** - "*Influence Of Raw Material On The Air Permeability Of Hosiery*", ACTA UNIVERSITATIS CIBINIENSIS (ISSN 1583-7149), Technical Series, vol. LX, (2010), p. 69 – 72; <http://inginerie.ulbsibiu.ro/index.php/Prezentare-Acta>

#### **E. Brevete obţinute în întreaga activitate**

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**Data: 18.04.2022**

**Semnătura:**

**Ş. I. dr. ing. Dorin VLAD**

