

LIST OF PUBLICATIONS

PhD.Eng. MIHAELA DOCHIA

ISI ARTICLES and ISI PROCEEDINGS

1. **Mihaela Dochia**, Monica Pustianu, Simona Gavrilaş, Daniel Tomescu, Dana Maria Copolovici
Study of the ultrasound efficiency on bioscouring treatment of hemp - cotton fabrics
Proceedings of the 17th International Multidisciplinary Scientific Geoconference SGEM 2017, Nano, Bio, Green and Space-Technologies for a Sustainable Future, Conference Proceedings, Volume 17, Issue 61, **2017**, p. 1015-1023, ISBN 978-619-7408-12-6, ISSN 1314-2704, DOI 10.5593/sgem2017/61.
2. Monica Pustianu, **Mihaela Dochia**, Simona Gavrilaş, Daniel Tomescu
Study of the efficiency of bioscouring treatment by determination of the residual Ca²⁺ from flax-cotton fabrics
Proceedings of the 17th International Multidisciplinary Scientific Geoconference SGEM 2017, Nano, Bio, Green and Space-Technologies for a Sustainable Future, Conference Proceedings, Volume 17, Issue 61, **2017**, p. 1007-1014, ISBN 978-619-7408-12-6, ISSN 1314-2704, DOI 10.5593/sgem2017/61.
3. **M. Dochia**, S. Gavrilaş, M. Pustianu, D. Tomescu, D.M. Copolovici
Comparative study regarding the influence of the complexing agents EDTA and sodium citrate on the 50% flax-50% cotton fabrics during the bioscouring treatment
Proceedings of the 16th International Multidisciplinary Scientific Geoconference SGEM 2016, Book 6, Nano, Bio and Green-Technologies for a Sustainable Future, Conference Proceedings, Volume III, **2016**, ISBN 978-619-7105-79-7, ISSN 1314-2704, DOI 10.5593/sgem2016HB63, 223-230.
4. M. Pustianu, **M. Dochia**, C.Șirghie, S. Gavrilaş, D. Tomescu
Treatment optimization for bioscouring in ultrasound of cotton/cottonised hemp blended fabrics
Proceedings of the 7th International Workshop on Soft Computing Applications (SOFA 2016), Volume 2, Advances in Intelligent Systems and Computing 634, Springer Publishing, Editors: Valentina Emilia Balăș, Lakhmi C. Jain. Marius Mircea Bălăș, pp. 595-604. doi: 10.1007/978-3-319-62524-9.
5. Bălăș Marius, Șirghie Cecilia, Pustianu Monica, **Dochia Mihaela**, Gavrilaş Simona, Tomescu Daniel
Fuzzy method applied on the control of textiles biotechnologies
Proceedings of the 7th International Workshop on Soft Computing Applications (SOFA 2016), Volume 2, Advances in Intelligent Systems and Computing 634, Springer Publishing, Editors: Valentina Emilia Balăș, Lakhmi C. Jain. Marius Mircea Bălăș, pp. 605-611. doi: 10.1007/978-3-319-62524-9.
6. C. Șirghie, **M. Dochia**, I. V. Istoc, D. Chambre, L. Copolovici
A comparison of a new method mediated by molybdenum complex with an enzymatic method for bleaching flax fibers
Journal of Natural Fibers, **2015**, 12:4, 378-387.

7. A. Sanislav, M. Fogorasi, M. D. Stanescu, S. Muntean, **M. Dochia**
Ultrasound Effect on Dyeing Wool Fibers with Two Anthraquinone Dyes
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8. I.V. Iştoc, M. Pustianu, **M. Dochia**, Cecilia Sîrghie, A. Popescu
Study Regarding the Optimization of the Bioscouring Treatment with Ultrasound on 100 % Cotton Materials
Industria Textilă, **2014**, Vol.65, No. 2, 70-74.
9. I. V. Iştoc, **M. Dochia**, I. Dumitrescu, C. Sîrghie
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10. **M. Dochia**, M. D. Stănescu, C. Constantin
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IDB JOURNALS

1. **Mihaela Dochia**, Monica Pustianu, Simona Gavrilaş, Daniel Tomescu, Dana Maria Copolovici
Study on the influence of ultrasound in bioscouring treatment of 50 % of flax + 50 % of cotton fabrics
Annals of the University of Oradea, Fascicle of textiles, leatherwork, **2017**, vol XVIII, No. 1, p. 27-32, P-ISSN: 1843-813X.
2. Monica Pustianu, **Mihaela Dochia**, Simona Gavrilaş, Daniel Tomescu, Dana Maria Copolovici
Study on the bioscouring treatment of 50 % of hemp + 50 % of cotton fabrics
Annals of the University of Oradea, Fascicle of textiles, leatherwork, **2017**, vol XVIII, No. 2, p. 29-34, P-ISSN: 1843-813X.
3. **M. Dochia**, C. Sîrghie, M. Pustianu
Part II. Study regarding the influence of bioscouring treatment on 60 % cotton + 40 % cottonised flax materials followed by a whitening treatment using alternative methods
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5. M. Szabo, **M. Dochia**, M. Lungu
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8. A. Popescu, C. Sîrghie, **M. Dochia**, D. M. Copolovici, L. Chirila
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1. **Mihaela Dochia**, Simona Gavrilas, Monica Pustianu, Cristian Moisă
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"Environment & Progress" Symposium, 10 November, **2017**, Cluj-Napoca, Romania.
2. Simona Gavrilas, **Mihaela Dochia**, Cristian Moisă, Monica Pustianu
Physicochemical methods used to determine residual calcium and pectines from cotton fabrics after pectinolytic treatment
„EASTWEST Chemistry Conference”, 12-14 October, **2017**, Skopje, Macedonia.
3. **Mihaela Dochia**, Simona Gavrilas, Monica Pustianu, Daniel Tomescu
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4. Simona Gavrilas, **Mihaela Dochia**, Monica Pustianu, Cristian Moisă, Dorina Chambre
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7. Monica Pustianu, **Mihaela Dochia**, Simona Gavrilas, Daniel Tomescu
Study of the efficiency of bioscouring treatment by determination of the residual Ca²⁺ from flax-cotton fabrics
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8. **Mihaela Dochia**, Monica Pustianu, Simona Gavrilaş, Daniel Tomescu, Dana Maria Copolovici
Study on the influence of ultrasound in bioscouring treatment of 50 % of flax + 50 % of cotton fabrics
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