

Assoc. Prof. Magdalena Simona Fogorasi, PhD

Published books and scientific papers

Books

1. E. L. PUȘCAȘ, M. STĂNESCU, **M. FOGORASI**, V. DALEA
Sustainable Development via Environmental Protection and Biotechnologies
„Aurel Vlaicu" University Publishing House, Arad 2002, 324 pag. ISBN 973-8363-91-9
2. M.D. STĂNESCU, M. PUSTIANU, **M. FOGORASI**
Dyers and Organic Auxiliaries
Principles - Applications – Ecology
„Aurel Vlaicu" University Publishing House, Arad 2002, 192 pag. ISBN 973 -8363-05 –0
3. I. DEAC, **M. FOGORASI**, A. ALBAC
Equipments for Textile Finishing –Handbook for laboratory, Second edition,
„Aurel Vlaicu" University Publishing House Arad, 2006, ISBN: 978-973-752-044-9, 168 pag.
4. I. DEAC, **M. FOGORASI**, A. ALBAC
Equipments for Textile Finishing , „Aurel Vlaicu" University Publishing House Arad, 2012, vol. II, ISBN: 978-973-752-626-7, 491 pag

Scientific papers published in ISI journals and in journals indexed in International Databases

1. **M. S. FOGORASI**, E. HEINE
Spectroscopic methods of studying enzyme action in wool fibre, *CENT. EUR. J. CHEM*, **2006**, 4(4), 786-797.
2. M.D. STĂNESCU, **M. FOGORASI**, M. DOCHIA, S. MIHUȚA, V.I. LOZINSKY,
Biotechnology for Textile Waste Valorization, *Revista de Chimie*, 60, nr. 1, **2009**, 59-62.
ISSN 0034-7752.
3. M.D. STĂNESCU, **M. FOGORASI**, B.L. SHASKOLSKIY, S. GAVRILAȘ V.I. LOZINSKY,
New potential biocatalysts by laccase immobilization in PVA cryogel type carrier,
Appl Biochem Biotechnol, **2010**, Vol 160, Iss 7, pp 1947-1954.
4. B.L. SHASKOLSKIY, **M.S. FOGORASI**, M.D. STĂNESCU, V.I. LOZINSKY,
Application of Poly(vinylalcohol) Cryogels to Biotechnology, VII. Composite Immobilized Biocatalysts Containing articles of Enzyme Preparation Entrapped in the Matrix of Poly(vinylalcohol) Cryogels,
Biotehnologiya, nr.1, **2009**, 71-82, ISSN 0234-2758
<http://scientific.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi>

5. A. SANISLAV, **M. S. FOGORASI**, M. D. STANESCU , S. G. MUNTEAN, M. DOCHIA
Ultrasound Effect on Dyeing Wool Fibers with Two Anthraquinone Dyes
Fibers and Polymers, **2015**, Vol 16, Iss 1, pp 62-66
6. M. D. STĂNESCU, M. DOCHIA, **M. FOGORASI**, M. PUSTIANU, M. S. BUCUR
Enzymes in cotton bio-scouring
U.P.B. Sci. Bull., **2010**, Series B, Vol. 72, Iss. 3, ISSN 1454-2331
6. M.D. STANESCU, **M.S. FOGORASI**, M. DOCHIA
Enzymatic treatment of cotton – Improvement of properties and environmental aspects,
DWI Reports, **2006** 130, P8, ISSN 0942301x
7. M.D. STANESCU, **M.S. FOGORASI**, M. DOCHIA, S. MIHUTA
Biodegradation of textile waste based on cotton
DWI Reports, **2007**, 131, P53, ISSN 0942301x
8. M.D. STANESCU, **M. FOGORASI**,
Enzymes Application in Textile Finishing
Ind. Textilă 51. 2000, nr.3, 184 – 188, ISSN 1222-5347
9. **M.S. FOGORASI**, E.L.PUSCAS, M.D. STANESCU, A. GRIGORIU
Enzyme Influence in Cotton Dyeing
DWI Reports, 2003, 127, B,1-5, ISSN 0942301X
10. **M. S. FOGORASI**, A. GRIGORIU, E. HEINE
Immobilized Enzymes and their Action on wool Fibers
Buletinul Institutului Politehnic din Iasi, Tomul XLVIII(LII),
Fasc. 1-2, Textile-Pielarie, 2002, 59-67.
11. 4. M.D. STANESCU, **M.S. FOGORASI**, F. CHIRALEU, M. DOCHIA, E. HEINE
Spectroscopic Tools for Monitoring Enzyme Action in Textile Finishing
DWI Reports, 2004, 128, B,1-5, ISSN 0942301X
12. **M.S. FOGORASI**, M.D. STANESCU
Study on the Influence of Enzymatic Pretreatment on the dyeing properties of cotton materials
Scien. and Techn. Bulletin, Series Chemistry, Food Science &Engineering, Vol.9, 2004,
ISSN 1582 – 1021, 53-58.
13. M. PUSTIANU, A. POPA, I.BARBU, E. AIRINEI, **M. FOGORASI**, M. SZABO, A. BUCEVSCHI,
Study on SWOT Analysis of a Textile Finishing Company that uses New Technologies and Computerized Equipment,
Annals of the “Constantin Brancusi” University of Targu Jiu, Engineering Series, **2012**,
No. 4, ISSN 1842 – 4856, 354- 365.

Papers published in Proceedings of international conferences

1. **M. FOGORASI**, E. HEINE, A. GRIGORIU
Study of Enzyme Action on the Wool Fibre,
CORTEP, Proceedings of the 12th Conference of Textile and Leather,
Vol. Technologies & Equipments for Textile Finishing, p.165 –175, Iasi, 17-19 Oct. **2002**,
ISBN: 973-8075-48-3.
2. M. D. STANESCU, **M.S. FOGORASI**, E. HEINE, F. CHIRALEU
UV-Vis Spectroscopy Study of Enzymatic Solution in Textile Finishing
Book of Abstract, s 28th International Conference on Solution Chemistry,
DEBRECEN, UNGARIA, 23-28 August 2003, p.168.
3. **M.S. FOGORASI**
Evaluation of the action of proteolytic enzymes on the wool fibre by kinetic measurements
Book of Abstract, s 28th International Conference on Solution Chemistry,
DEBRECEN, UNGARIA, 23-28 August 2003, p.138.
4. M.D. STANESCU, **M.S. FOGORASI**
Enzymes in Textile Processing
BRAMAT 2005, Proceedings of International Conference on Material Science Company
Engineering, Section 6: Environment Management and Protection
24-26 February, **2005**, Braşov, România, ISBN973-635-454-7
5. M.D. STANESCU, **M. FOGORASI**, S.MIHUTA, M. DOCHIA
Biotreatments of Textile Waste Based on Cotton,
Book of Abstracts of ISEB, ESEB, 9-14 July 2006, LEIPZIG, GERMANY
6. M.D. STANESCU, **M. FOGORASI**, A. POPA, E. CARPUS
Strategies for Cotton Textile Waste Valorization
Book of Abstracts of EnvEdu, 8-11 November, 2006, BRASOV, ROMANIA.
7. A. POPA, A. BUCEVSCHI, E. AIRINEI, I. BARBU, M. PUSTIANU,
M. FOGORASI,
The Parameters Influence on the Breaking Elongation of Fabrics
International Symposium *Research and Education in an Innovation Era*, Subsection V:
Textile Engineering, 11-12 November **2010**, “Aurel Vlaicu” University of Arad, Romania.
8. M. PUSTIANU, **M. FOGORASI**, A. BUCEVSCHI, A.POPA, E. AIRINEI,
Qualitative Analyses of Fibers Structure During Technologic Processes
International Symposium *Research and Education in an Innovation Era*, Subsection V:
Textile Engineering, 11-12 November **2010**, “Aurel Vlaicu” University of Arad, Romania.
9. **M. FOGORASI**, M. PUSTIANU, A. BUCEVSCHI, A. POPA, E. AIRINEI
Quantitative Assessment of Fiber Structure Changes During Technologic Processes
International Symposium *Research and Education in an Innovation Era*, Subsection V:
Textile Engineering, 11-12 November **2010**, “Aurel Vlaicu” University of Arad, Romania.
10. **M. FOGORASI**
Influence of Enzymatic Treatment in Cotton Dyeing
International Symposium *Research and Education in an Innovation Era*, Textile Session:

Textile Engineering, 8-9 November **2012**, “Aurel Vlaicu” University of Arad, Romania.

11. M. PUSTIANU, A. BUCEVSCHI, E. AIRINEI, **M. FOGORASI**, I. BARBU, M. SZABO,
Qualitative Interpretation of Interaction between Existing Dyes in the Case of the Wool Dyeing Materials
International Symposium *Research and Education in an Innovation Era*, Textile Session: Textile Engineering, 8-9 November 2012, “Aurel Vlaicu” University of Arad, Romania.
12. **M. S. FOGORASI**, M. PUSTIANU
Textile Fibers – Development and Application
International Symposium *Research and Education in an Innovation Era*, Textile Session: Textile Engineering, 6-7 November **2014**, “Aurel Vlaicu” University of Arad, Romania

Patents

M.D.STANESCU, E. CĂRPUȘ, **M. FOGORASI**, A. POPESCU, M. DOCHIA, S. MIHUȚA
Ecological Procedure for the Recovery of Polyester from Textile Waste Polyester/ Cotton Blends
National: Brevet OSIM nr. 122919, **2010**

Research programme/ projects

a.International programme

Programme/ Project		Period
Programme COST 847 <i>Textile Quality and Biotechnology</i>	Member WG4(Enzymatic Treatment on Proteic Materials)	2000-2005
<i>Romanian –Russian bilateral project: Project GAR R1 2007, Agreement nr. 1/05.02.2008/AR Immobilized Enzyme on/in Microporous Cryogel Type Carrier</i>	Member	2008

b.National Programme

Programme/ Project		Period
Grant PROGRAM BIOTECH <i>Technologies for Bioutilisation of Textile Waste</i>	Member	2004-2006
Grant SECTORIAL PROGRAM 34/20.11.06, <i>Systems for the Increasing of Environmental Protection in Textile and Leather Industry</i>	Member	2006-2008
Grant Excellency Research: <i>Competitive Technologies for the the Waste Valorization in Textile and Leather Industry</i>	Member	2006-2008
Grant Excellency Research <i>PARTEXNET Scientific Partnership in the Field of Nanoscience and Nanotechnologies applied to Textiles</i>	Member	2005-2007
Grant Excellency Research <i>EUROTEXMED</i>	Member	2006-2008

<i>Regional Network in the Field of Micro – Nano-Biotechnologies and Textile Materials for Medical Applications</i>		
Grant Excellency Research, <i>TENZINUS</i> <i>Novel Technologies applied to Bast Fibers by Means of Chemical and Enzymatical Processes in Ultrasound to achieve Performant Materials</i>	Member	2006-2008

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