

Lista de lucrări

Numele și prenumele: Conferentiar dr. ing. Magdalena Simona Fogorasi

A. Teza de doctorat.

Titlul tezei de doctorat: *Finisari ecologice obtinute prin modificarea biochimica a fibrelor celulozice si proteice*

Domeniul: Inginerie Chimica

Indrumător științific: Prof. Dr. ing. Aurelia Grigoriu,
Universitatea Tehnica “Gheorghe Asachi” Iasi

Data susținerii: 24 ianuarie 2003

Data confirmării titlului de doctor: 24 aprilie 2003

B. Cărți (manuale, monografii, tratate, îndrumare etc.) publicate în țară, la edituri recunoscute CNCIS.

1. I. DEAC, **M. FOGORASI**, A. ALBAC
Masini de finisare chimica textila, Editura Universitatii „Aurel Vlaicu”, Arad, 2012, vol. II, ISBN: 978-973-752-626-7, 491 p.
2. E.L. PUSCAS, M.D. STANESCU, **M. FOGORASI**, V. DALEA
Dezvoltare durabilă prin protectia mediului și biotehnologii textile, Ed. Universitatii “Aurel Vlaicu”, Arad, 2003, ISBN 973-9361-91-9, 324 p.
3. M.D. STANESCU, M. PUSTIANU, **M. FOGORASI**
COLORANTI SI AUXILIARI ORGANICI. Principii - Aplicatii - Ecologie, Ed. Universitatii “Aurel Vlaicu”, Arad, 2002, ISBN 973-8363-05-5, 192 p.
4. I. DEAC, **M. FOGORASI**, A. ALBAC
Utilaje de finisare chimica textila –Indrumar de laborator, Editie completata si revizuita, Editura Universitatii „Aurel Vlaicu”, Arad, 2006, ISBN: 978-973-752-044-9, 168 p.
5. M.D. STANESCU, M. PUSTIANU, **M. FOGORASI**
COLORANTI SI AUXILIARI ORGANICI - Indrumar de laborator, Ed. Universitatii “Aurel Vlaicu”, Arad, 1999, ISBN 973-9361-42-0 , 170 p.

Cărți (manuale, monografii, tratate, îndrumare etc.) publicate pe plan local.

1. Biotehnologii textile - Indrumar de laborator
Universitatea “Aurel Vlaicu”, Arad, 2004, 50 p.

C. Lucrări științifice publicate în reviste cotate ISI/ ISI Proceedings sau indexate în baze de date internaționale.

1. R. KAMINSZKY, D. AVRAM, M.S. **FOGORASI**, M. DOCHIA, I. BARBU, A. POPA, A. BUCEVSCHI,
Innovative Solution for Reducing Yarns Hairiness on Ring Spinning Machines,
Journal of Natural Fibers, **2023**, 20:2.
2. M.D. STANESCU, M.S. **FOGORASI**
Biotechnology a tool for modification of cotton fibre, *Chimica Oggi - Chemistry Today*, **2018**, Vol 36, Iss 5, September/October, pp 40-42.
3. 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.
4. 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.
5. 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.
6. 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,
Biotekhnologiya, nr.1, **2009**, 71-82, ISSN 0234-2758
<http://scientific.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi>
7. **M. S. FOGORASI**, E. HEINE
Spectroscopic methods of studying enzyme action in wool fibre,
CENT. EUR. J. CHEM, **2006**, 4(4), 786-797.
8. 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
9. A. BUCEVSCHI, **M.S. FOGORASI**, C. NICOLAESCU, I. BARBU,
Classic or unconventional cotton yarns?
IOP Conf. Ser.: Mater. Sci. Eng. **591 (2019)** 012004
doi:10.1088/1757-899X/591/1/012004

10. I. BARBU, **M.S. FOGORASI**, M. DOCHIA, M. PUSTIANU, A. BUCEVSCHI, D. FARAMA,
A Comparative Study on the Comfort and Safety of the Seat Cover Fabrics
Proceedings of AMMA - The International Congress of Automotive and Transport Engineering, AMMA 2018
Springer Nature Switzerland AG 2019 N. Burnete and B. O. Varga (Eds.): AMMA
2018, PAE, pp 1–8
https://doi.org/10.1007/978-3-319-94409-8_50
11. I. BARBU, M. SZABO, **M.S. FOGORASI**
The high-quality yarn - the first condition for quality textiles,
IOP Conf. Series: Materials Science and Engineering **400** (2018) 062004
[doi:10.1088/1757-899X/400/6/062004](https://doi.org/10.1088/1757-899X/400/6/062004)
[WOS:000461147400146](https://www.wos.com/wos/000461147400146)
12. **M.S. FOGORASI**, I BARBU
The potential of natural fibres for the automotive sector – review, IOP Conference
Series: Materials Science and Engineering, Vol 252, (2017) 012044
[doi:10.1088/1757-899X/252/1/012044](https://doi.org/10.1088/1757-899X/252/1/012044)

Lucrari publicate in reviste indexate în baze de date internaționale.

13. BARBU I, BUCEVSCHI A, KOMJATY A, FOGORASI, M.S. DOCHIA M, PUSTIANU M, KAMINSZKY R
Teaching and e-learning about draw frame machine
The 17th International Scientific Conference eLearning and Software for Education Bucharest, April 22-23, 2021, Vol 2, pp 99-106
DOI:10.12753/2066-026X-21-152
14. DOCHIA M, KAMINSZKY R, FOGORASI M S, BUCEVSCHI A, BARBU I, POPA A, NICOLAESCU C
Aspects regarding the behaviour and comfort of reusable wool protective masks in the context of the COVID-19 pandemic
2021 Conf. Ser.: Mater. Sci. Eng. **1182** 012018
<https://iopscience.iop.org/article/10.1088/1757-899X/1182/1/012018/pdf>
15. M DOCHIA, R KAMINSZKY, M S FOGORASI, D FARIMA, I BARBU, C NICOLAESCU, M PUSTIANU, A POPA, A BUCEVSCHI
Study on the behaviour and comfort of reusable knitting suits of wool blends in the context of the Covid 19 pandemic
2021 IOP Conf. Ser.: Mater. Sci. Eng. **1182** 012019
16. M. PUSTIANU, M. FOGORASI, I. BARBU, E. AIRINEIA. POPA, A. BUCEVSCHI
Colour Change Study by Retreatment with Direct Dyes. Study Case,
Annals of the University of Oradea, fascicle of textiles, leather work, 2021, Vol. 21 (2), 69-72. ISSN 1843 – 813X

17. BARBU, I., **FOGORASI, M.S.**, NICOLAESCU, C., BUCEVSCHI, A.
Classic or fully automated technology lines?
IOP Conference Series: Materials Science and Engineering, 2020, 916(1), 012006
doi:10.1088/1757-899X/916/1/012006
18. BARBU, I., **FOGORASI, M.S.**, BUCEVSCHI, A., NICOLAESCU, C.
Ergonomics elements and their influence in the garment industry
IOP Conference Series: Materials Science and Engineering, 2020, 916(1), 012007
doi:10.1088/1757-899X/916/1/012007
19. BARBU, I., KOMJATY, A., **FOGORASI, M.S.**, BUCEVSCHI, A.,
KAMINSZKY, R.
Teaching and e-learning about open-end spinning machine
Proceedings of the 16th International Scientific Conference "eLearning and Software for Education" Bucharest, April 30 - May 1, 2020,
Vol 3, pp. 285-293, DOI: 10.12753/2066-026X-20-208
ISSN: 2066 - 026X
20. **FOGORASI, M.S.**, KOMJATI, A., BUCEVSCHI, A., BARBU, I.
E-learning-a tool for exploitation of textile tensile testing machine
Proceedings of the 16th International Scientific Conference "eLearning and Software for Education" Bucharest, April 30 - May 1, 2020,
Vol 3, pp. 309-316; DOI: 10.12753/2066-026X-20-211
ISSN: 2066 - 026X
21. BUCEVSCHI, A., PUSTIANU, M., BARBU, I., **FOGORASI, M.**, AIRINEI, E.
E-learning about quality control in the textile industry. Case study
Proceedings of the 16th International Scientific Conference "eLearning and Software for Education" Bucharest, April 30 - May 1, 2020,
Vol 3 pp. 301-308 DOI: 10.12753/2066-026X-20-210.
ISSN: 2066 - 026X
22. RADU, D., **FOGORASI, M.S.**
Teaching web-enhanced courses for food safety and textile design classes
Proceedings of the 16th International Scientific Conference "eLearning and Software for Education" Bucharest, April 30 - May 1, 2020,
ISSN: 2066 - 026X
Vol. 3, pp. 331-338. DOI: 10.12753/2066-026X-20-214.
23. **M. S FOGORASI**
Peer Review Process-Challenges to Research Integrity.
Trends Textile Eng Fashion Technol TTEFT, **2018**, .000521.2018. DOI:
10.31031/TTEFT.2018.01.000521

- 24 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, (B+)
25. M. PUSTIANU , **M. FOGORASI**, A. BUCEVSCHI, A. POPA, E. AIRINEI
 Measurement of textile fibers structural changes during technological processes
Annals of the University of Oradea, Fascicle of textiles-leatherwork, vol XI, pag.48, **2010**, ISSN 1582-5590 (B+)

D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți

- Reviste

1. M.S. FOGORASI,

Biotechnology–Tool for Modification of Polymers for Textile Application, *J Material Sci Eng*, Vol 7, p. 39,
 Proceedings of the 4th International Conference on Polymer Chemistry, 25-27 June **2018**, Stockholm, Sweden (in rezumat)
 DOI: 10.4172/2169-0022-C10-119
<https://d2cax41o7ahm5l.cloudfront.net/cs/pdfs/euro-polymer-chemistry-2018-31653-scientific-program-201893113.pdf>

E. Lucrări științifice publicate în reviste din țară, recunoscute CNCSIS.

1. 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, Testile-Pielarie, 2002, 59-67

F. Lucrări științifice publicate în volumele conferințelor.

1. M. FOGORASI, E. HEINE, A. GRIGORIU

Studiul acțiunii enzimelor asupra fibrei de lână
Proceedings of the 12th Conference of Textile and Leather, CORTEP, 17-19 Oct. 2002, Iasi, Vol. *Technologies & Equipments for Textile Finishing*, p.165 –175,
 ISBN: 973-8075-48-3.

2. M.S. FOGORASI

Evolution of the action of proteolytic enzymes on the wool fibre by kineti measurements
28th International Conference on Solution Chemistry, , 23-28 august **2003 DEBRECEN, UNGARIA**, 138 (in rezumat)

3. M.D. STANESCU, **M.S. FOGORASI**, E. HEINE, F CHIRALEU
UV-VIS Spectroscopy Study of Enzymatic Solution in Textile Finishing
28th International Conference on Solution Chemistry, , 23-28 august 2003 DEBRECEN, UNGARIA, 168(in rezumat)

4. **M. FOGORASI**, M.D. STANESCU, M. DOCHIA
Enzymes in Cotton Dyeing, *3rdInternational Conference on Textile Biotechnology, 13-16 iunie 2004, GRAZ, AUSTRIA. (in rezumat)*

5. M.D. STANESCU, **M. FOGORASI**, M.S. BUCUR, M. PUSTIANU, S. MIHUTA, M. DOCHIA,
Influence of Reaction Parameters on Cotton Bioscouring
Simpozion COST 847, WG3 – WG5, 11-12 noiembrie 2004, POVOA DE VARZIM, PORTUGALIA. (in rezumat)

6. M.S. FOGORASI, E.L.PUSCAS, M.D. STANESCU, A. GRIGORIU
Vopsirea bumbacului in prezenta enzimelor
Simpozion International Mediul si Industria, 29-31 octombrie 2003, BUCURESTI, ROMANIA, vol.II, 31-39, ISBN 973-86587-0-5, 973 86587-2

7. M.D. STANESCU, M.S. FOGORASI, M.BUCUR, M. PUSTIANU, M. DOCHIA
Enzymes in Cotton Bioscouring
International Conference on Chemistry and Chemical Engineering, septembrie 2003, BUCURESTI, ROMANIA, vol. 3, 43-48, ISBN 973-652-825-1.

8. M.D. STANESCU, M.BUCUR, M.S. FOGORASI, A. POPESCU
Sustainable Development in Textiles via Biotechnology
Proceedings of the First International Conference on Environmental Research and Assesment, 23-27 martie 2003, BUCURESTI, ROMANIA, 133-139, ISBN 973-558-077-2

9. M.D. STANESCU, M.S. FOGORASI
Enzymes in Textile Processing,
BRAMAT 2005, International Conference on Material Science Company Engineering, 24-26 februarie 2005, Section 6: Environment Management and protection, BRAȘOV, ROMANIA, ISBN: 973-635-454-7.

10. 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 (in rezumat)

11. 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(in rezumat).

12. 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 noiembrie **2010**, “Aurel Vlaicu” University of Arad, Romania.
13. 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 noiembrie **2010**, “Aurel Vlaicu” University of Arad, Romania.
14. **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 noiembrie **2010**, “Aurel Vlaicu” University of Arad, Romania.
15. **M. FOGORASI**
Influence of Enzymatic Treatment in Cotton Dyeing
International Symposium *Research and Education in an Innovation Era*, Textile
Session:
Textile Engineering, 8-9 noiembrie **2012**, “Aurel Vlaicu” University of Arad, Romania.
16. 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 noiembrie **2012**, “Aurel Vlaicu” University of Arad, Romania.
17. **M. S. FOGORASI**, M.D. STANESCU,
The State of the Art in Chemical Education in Romanian
*Proceedings of the 23rd Congress of International Federation of Association of Textile
Chemists and Colourists*, 8-10 May, **2013**, Budapest, Hungary
18. **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

G. Invenții.

M.D.STANESCU, E. CĂRPUȘ, **M. FOGORASI**, A. POPESCU, M. DOCHIA,
S. MIHUȚA
Procedeu ecologic de recuperare a poliesterului din deșeuri textile poliester/bumbac
National: Brevet OSIM nr. 122919, **2010**

H. Contracte de cercetare.

a. Programe internationale

Programul/Proiectul	Funcția	Perioada
Program COST 847 Textile Quality and Biotechnology	Membru WG4(Tratamente enzimatice pe suport proteic)	2000-2005
<i>Proiect bilateral romano-rus : Proiect GAR R1 2007, Contract nr. 1/05.02.2008/AR Enzime imobilizate pe/in matrice microporoasa tip Criogel</i>	Membru	2008-2009

b. Programe nationale

Programul/Proiectul	Funcția	Perioada:
Grant PROGRAM BIOTECH <i>Technologii de bioutilizare a deseurilor textile</i> PROGRAM BIOTECH,	Membru	2004-2006
Grant SECTORIAL PROGRAM 34/20.11.06, <i>Sisteme de crestere a protectiei mediului in industria textila si de pielarie</i>	Membru	2006-2008
Grant Cercetare de Excelenta, <i>Tehnologii competitive de valorificare a deseurilor din industria textila si de pielarie</i>	Membru	2006-2008
Grant Cercetare de Excelenta, <i>PARTEXNET "Parteneriat stiintific in domeniul nanostiintelor si nanotehnologiilor aplicate in textile"</i>	Membru	2005-2007
Grant Cercetare de Excelenta, <i>EUROTEXMED, »Retea regionala de excelenta in domeniul micro-nano-biotehnologiilor si materialelor textile pentru aplicatii medicale »</i>	Membru	2006-2008
Grant Cercetare de Excelenta, <i>TENZINUS Tehnologii noi aplicate materialelor din fibre liberiene utilizand procese chimice si enzimatic in ultrasunete pentru obtinerea materialelor performante</i>	Membru	2006-2008