

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

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

1. I. DEAC, **M. FOGORASI**, A. ALBAC
Masini de finisare chimica textila, Editura Universității „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**
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C. Lucrări științifice publicate în reviste cotate ISI/ ISI Proceedings sau indexate în baze de date internaționale.

1. **M. FOGORASI**, M. DOCHIA and M. D. STANESCU
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2. R. KAMINSZKY, D. AVRAM, M.S. **FOGORASI**, M. DOCHIA, I. BARBU, A. POPA, A. BUCEVSCHI,
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3. M.D. STANESCU, M.S. **FOGORASI**
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4. A. SANISLAV, M. S. FOGORASI, M. D. STANESCU, S. G. MUNTEAN, M. DOCHIA
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Fibers and Polymers, **2015**, Vol 16, Iss 1, pp 62-66.
5. M.D. STĂNESCU, **M. FOGORASI**, B.L. SHASKOLSKIY, S.GAVRILAȘ V.I. LOZINSKY,
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Appl Biochem Biotechnol, **2010**, Vol 160, Iss 7, pp 1947-1954.
6. M.D. STĂNESCU, **M. FOGORASI**, M. DOCHIA, S. MIHUȚA, V.I. LOZINSKY,
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7. B.L. SHASKOLSKIY, **M.S. FOGORASI**, M.D. STĂNESCU, V.I. LOZINSKY,
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8. **M. S. FOGORASI**, E. HEINE
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9. M. D. STĂNESCU, M. DOCHIA, **M. FOGORASI**, M. PUSTIANU, M. S. BUCUR
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10. 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](https://doi.org/10.1088/1757-899X/591/1/012004)

11. I. BARBU, **M.S. FOGORASI**, M. DOCHIA, M. PUSTIANU, A. BUCEVSCHI, D. FARIMA,
A Comparative Study on the Comfort and Safety of the Seat Cover Fabrics
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Springer Nature Switzerland AG 2019 N. Burnete and B. O. Varga (Eds.): AMMA **2018**, PAE, pp 1–8
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12. I. BARBU, M. SZABO, **M.S. FOGORASI**
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[doi:10.1088/1757-899X/400/6/062004](https://doi.org/10.1088/1757-899X/400/6/062004)
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13. **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)

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14. 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
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15. 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
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16. M DOCHIA, R KAMINSZKY, M S FOGORASI, D FARIMA, I BARBU, C NICOLAESCU, M PUSTIANU, A POPA, A BUCEVSCHI
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17. M. PUSTIANU, M. FOGORASI, I. BARBU, E. AIRINEIA. POPA, A. BUCEVSCHI
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Annals of the University of Oradea, fascicle of textiles, leather work, 2021, Vol. 21 (2),
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18. BARBU, I., **FOGORASI, M.S.**, NICOLAESCU, C., BUCEVSCHI, A.
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19. BARBU, I., **FOGORASI, M.S.**, BUCEVSCHI, A., NICOLAESCU, C.
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20. BARBU, I., KOMJATY, A., **FOGORASI, M.S.**, BUCEVSCHI, A.,
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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,
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ISSN: 2066 - 026X

21. **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
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22. 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.
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23. 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
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24. **M. S FOGORASI**
Peer Review Process-Challenges to Research Integrity.
Trends Textile Eng Fashion Technol TTEFT, **2018**, .000521.2018. DOI:
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- 24 M. PUSTIANU, A. POPA, I.BARBU, E. AIRINEI, **M. FOGORASI**, M. SZABO, A.BUCEVSCHI,
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25. M. PUSTIANU , **M. FOGORASI**, A. BUCEVSCHI, A. POPA, E. AIRINEI
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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,
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2. M.S. FOGORASI

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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
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4. **M. FOGORASI**, M.D. STANESCU, M. DOCHIA
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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
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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
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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
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Book of Abstracts of EnvEdu, 8-11 November, 2006, BRASOV, ROMANIA(in rezumat).

12. A. POPA, A. BUCEVSCHI, E. AIRINEI, I. BARBU, M. PUSTIANU,
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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,
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15. **M. FOGORASI**
Influence of Enzymatic Treatment in Cotton Dyeing
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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
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Session:
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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 enzimatic 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