

Lista de lucrări

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

A. Teza de doctorat.

Titlul tezei de doctorat: *Finisări ecologice obținute prin modificarea biochimică a fibrelor celulozice și proteice*

Domeniul: Inginerie Chimică

Indrumător științific: Prof. Dr. ing. Aurelia Grigoriu,

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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
Mașini de finisare chimică textilă, 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 protecția mediului și biotehnologii textile, Ed. Universității “Aurel Vlaicu”, Arad, 2003, ISBN 973-9361-91-9, 324 p.
3. M.D. STANESCU, M. PUSTIANU, **M. FOGORASI**
COLORANTI SI AUXILIARI ORGANICI. Principii - Aplicații - Ecologie, Ed. Universității “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. **M. FOGORASI**, M.D. STANESCU. Pineapple Waste: A Source of Cellulosic Fibers. *Fibers*. 2026; 14(8):93. <https://doi.org/10.3390/fib14080093>
2. **M. FOGORASI**, M. DOCHIA and M. D. STANESCU
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<https://doi.org/10.35812/CelluloseChemTechnol.2025.59.79>
3. R. KAMINSZKY, D. AVRAM, M.S. **FOGORASI**, M. DOCHIA, I. BARBU, A. POPA, A. BUCEVSCHI,
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4. 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.
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. FOGORASI**, B.L. SHASKOLSKIY, S.GAVRILAȘ V.I. LOZINSKY,
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7. M.D.STĂNESCU, **M. FOGORASI**, M. DOCHIA, S. MIHUȚA, V.I. LOZINSKY,
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8. B.L. SHASKOLSKIY, **M.S. FOGORASI**, M.D. STĂNESCU, V.I. LOZINSKY,
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9. **M. S. FOGORASI**, E. HEINE
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10. M. D. STĂNESCU, M. DOCHIA, **M. FOGORASI**, M. PUSTIANU, M. S. BUCUR
Enzymes in cotton bio-scouring
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11. A. BUCEVSCHI, **M.S. FOGORASI**, C. NICOLAESCU, I. BARBU,
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IOP Conf. Ser.: Mater. Sci. Eng. **591** (2019) 012004
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12. 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
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13. 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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14. **M.S. FOGORASI**, I BARBU
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[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.

15. 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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16. 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
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17. 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
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18. M. PUSTIANU, M. FOGORASI, I. BARBU, E. AIRINEIA. POPA, A. BUCEVSCHI
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19. BARBU, I., **FOGORASI, M.S.**, NICOLAESCU, C., BUCEVSCHI, A.
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IOP Conference Series: Materials Science and Engineering, 2020, 916(1), 012006
doi:10.1088/1757-899X/916/1/012006

20. BARBU, I., **FOGORASI, M.S.**, BUCEVSCHI, A., NICOLAESCU, C.
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IOP Conference Series: Materials Science and Engineering, 2020, 916(1), 012007
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21. 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

22. **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

23. 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

24. 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.

25. M. S FOGORASI

Peer Review Process-Challenges to Research Integrity.

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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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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**

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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
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

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:
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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. Inventii.

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 internaționale

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 naționale

Programul/Proiectul	Funcția	Perioada:
Grant PROGRAM BIOTECH <i>Technologii de bioutilizare a deșeurilor textile</i> PROGRAM BIOTECH,	Membru	2004-2006
Grant SECTORIAL PROGRAM 34/20.11.06, <i>Sisteme de creștere a protecției mediului în industria textilă și de pielărie</i>	Membru	2006-2008
Grant Cercetare de Excelență, <i>Tehnologii competitive de valorificare a deșeurilor din industria textilă și de pielărie</i>	Membru	2006-2008
Grant Cercetare de Excelență, <i>PARTEXNET "Parteneriat științific în domeniul nanostiintelor și nanotehnologiilor aplicate în textile"</i>	Membru	2005-2007
Grant Cercetare de Excelență, <i>EUROTEXMED, »Rețea regională de excelență în domeniul micro-nano-biotehnologiilor și materialelor textile pentru aplicații medicale »</i>	Membru	2006-2008
Grant Cercetare de Excelență, <i>TENZINUS Tehnologii noi aplicate materialelor din fibre liberiere utilizând procese chimice și enzimatic în ultrasunete pentru obținerea materialelor performante</i>	Membru	2006-2008