

LISTA DE LUCRĂRI

conf.univ.dr.ing.habil. Francisc – Ioan HATHAZI

conform art.13 din metodologia proprie de concurs pentru ocuparea posturilor didactice și de cercetare vacante în Universitatea din Oradea din 26.11.2018

Art. 13. Lista de lucrări a candidatului va fi structurată astfel:

- a. lista completă de lucrări, dintre care, în extras, lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii, care sunt incluse în format electronic în dosar și care se pot regăsi și în celelalte categorii de lucrări prevăzute de prezentul articol. Pentru ocuparea postului de profesor universitar, lista lucrărilor va specifica lucrările realizate după dobândirea certificatului de abilitare;
- b. teza sau tezele de doctorat;
- c. brevete de invenție și alte titluri de proprietate industrială și intelectuală;
- d. cărți, și capitole în cărți;
- e. articole / studii în extenso, publicate în reviste din fluxul științific internațional principal;
- f. publicații în extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate;
- g. alte lucrări și contribuții științifice sau, după caz, din domeniul creației artistice.

a. *lista completă de lucrări, dintre care, în extras, lista celor **maximum 10 lucrări** considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii, care sunt incluse în format electronic în dosar și care se pot regăsi și în celelalte categorii de lucrări prevăzute de prezentul articol. **Pentru ocuparea postului de profesor universitar, lista lucrărilor va specifica lucrările realizate după dobândirea certificatului de abilitare;***

– Lista lucrărilor după dobândirea certificatului de abilitare (OMEN 4129 / 21.06.2017):

1. **Francisc Ioan Hathazi**, Vasile Darie Șoproni, Mircea Nicolae Arion, Carmen Otilia Molnar, Simina Vicaș (Coman), Olimpia Smaranda Mintas, The Use of Microwave Drying Process to the Granular Materials, (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 10, No.11, 2019, pp.23-29, ISSN: 2156-5570 (Online), ISSN: 2158-107X (Print), (DOI): 10.14569/IJACSA.2019.0101104, **Document Type: JOURNAL Paper**, **WOS: WOS:000504404900004**

http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=D2B4gVigYFnMlelbpPr&page=1&doc=1&cacheurlFromRightClick=no

2. Mihaela Covaciu, **Francisc-Ioan Hathazi**, Mircea-Nicolae Arion, Vasile-Darie Soproni, Carmen Otilia Molnar, Ovidiu Popovici - Determining the Potential for Recovery, Reuse and Recycling of Construction and Demolition Waste Assisted by High Frequency Electromagnetic Field, 13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5, Electronic

ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, **Document Type: Proceedings Paper, WOS: 000503434500024**

http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2a2OcmhL3Ogl9JIE94&page=1&doc=3&cacheurlFromRightClick=no

3. Mircea-Petru Ursu, Ovidiu – Constantin Novac, Mihai Oproescu, Gvöngvi Buidosó, **Francisc Ioan Hathazi** – Comparative Study of the Analog and Digital Operation for Miniature Railway Systems, 13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5 , Electronic ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, **Document Type: Proceedings Paper, WOS: 000503434500035**

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4. Vasile Darie Soproni, Carmen Otilia Molnar, **Francisc Ioan Hathazi**, Mircea Nicolae Arion, Marius Codrean, Liviu Moldovan – Experimental Research on Microwave Field and Hot Air Drying of Barley Seeds, 13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5, Electronic ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, **Document Type: Proceedings Paper, WOS: 000503434500029**

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5. Laurentiu Copil, **Francisc-Ioan Hathazi**, Mircea-Nicolae Arion, Vasile-Darie Soproni, Carmen Otilia Molnar, Covaciu Mihaela - About the Use of High Frequency Ceramic Susceptors for Industrial Applications, 13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5 , Electronic ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, **Document Type: Proceedings Paper, WOS: 000503434500050**

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6. Laurentiu Copil, **Francisc-Ioan Hathazi**, Mircea-Nicolae Arion, Vasile-Darie Soproni, Carmen Otilia Molnar, Mircea-Danut Pantea - Production of Silicon Carbide in a High Frequency Electromagnetic Field. Measuring Thermal Conductivity, 13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5 , Electronic ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, **Document Type: Proceedings Paper, WOS: 000503434500022**

http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2a2OcmhL3Ogl9JIE94&page=1&doc=1&cacheurlFromRightClick=no

7. Mihaela Covaciu, Vasile-Darie Soproni, **Francisc-Ioan Hathazi**, Carmen Otilia Molnar, Mircea-Nicolae Arion, Marius Codrean - Decontamination, Drying and Sterilization Assisted by the High Frequency Electromagnetic Field for the Processing of Construction Waste Used on Driveways, 13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5 , Electronic ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, **Document Type: Proceedings Paper, WOS: 000503434500023**

http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2a2OcmhL3Ogl9JIE94&page=1&doc=2&cacheurlFromRightClick=no

8. Mircea – Nicolae Arion, **Francisc – Ioan Hathazi**, Cornelia Gordan - Aspects regarding the extraction of menthol essential oils in high frequency electromagnetic field, 2018 Revue Romaine des sciences technique, series Electrotechnique et Energetique, Pages: 271-276, Published: 2018, Publisher : Romanian Academy, Publishing House of the Romanian Academy, DEC. 12, 2018, Bucuresti, ROMANIA, ISSN: 0035-4066, **Document Type: JOURNAL Paper, WOS: 000454752800006**

http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=53&SID=F4e34nwxYkyGZoG9Bw&page=1&doc=39

9. Radu PORUMB, Nicolae GOLOVANOV, Mădălina ARHIP-CĂLIN, **Francisc-Ioan HATHAZI** - THE CHALLENGES OF MODERN MEASURING SYSTEMS IN THE CONTEXT OF SMART ELECTRICAL NETWORKS, EMERG Serie nouă, An V, vol. 10 / 2019, ISSN 2457-5011, **Document Type: JOURNAL Paper,**

<https://emerg.ro/wp-content/uploads/2019/11/7.THE-CHALLENGES-OF-MODERN.pdf>

<https://emerg.ro/cat/emerg-10/>

10. **HATHAZI Francisc Ioan**, Microwave assisted processing for the realization of nano - Ceramics susceptors from SiC, Journal of Electrical and Electronics Engineering, ISSN:1844-6035, E-ISSN:2067-2128, Editura Universitatii din Oradea, Romania, Volume 10, Issue 2, October 2017, Pages 25-28, **Document Type: JOURNAL Paper,**

<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85038386316&origin=resultslist&sort=plf-f&src=s&st1=Hathazi+F&st2=&sid=772cd5da4f1791c8920228c77f05cd16&sot=b&sdt=b&sl=22&s=AUTHOR-NAME%28Hathazi+F%29&relpos=0&citeCnt=0&searchTerm=>

- Lista 10 lucrări relevante:

1. **Francisc Ioan Hathazi**, Vasile Darie Șoproni, Mircea Nicolae Arion, Carmen Otilia Molnar, Simina Vicaș (Coman), Olimpia Smaranda Mintas, The Use of Microwave

Drying Process to the Granular Materials, (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 10, No.11, 2019, pp.23-29, ISSN : 2156-5570 (Online), ISSN : 2158-107X (Print), (DOI) : 10.14569/IJACSA.2019.0101104, **Document Type: JOURNAL Paper, WOS: 000504404900004**

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2. Mihaela Covaciu, **Francisc-loan Hathazi**, Mircea-Nicolae Arion, Vasile-Darie Soproni, Carmen Otilia Molnar, Ovidiu Popovici – Determining the Potential for Recovery, Reuse and Recycling of Construction and Demolition Waste Assisted by High Frequency Electromagnetic Field, 13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5 , Electronic ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, **Document Type: Proceedings Paper, WOS: 000503434500024**

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3. Laurentiu Copil, **Francisc-loan Hathazi**, Mircea-Nicolae Arion, Vasile-Darie Soproni, Carmen Otilia Molnar, Mircea-Danut Pantea - Production of Silicon Carbide in a High Frequency Electromagnetic Field. Measuring Thermal Conductivity, 13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5 , Electronic ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, **Document Type: Proceedings Paper, WOS: 000503434500022**

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4. **Francisc – Ioan Hathazi**, Mircea – Nicolae Arion, Darie Soproni Vasile, Otilia Molnar Carmen, Ovidiu, Popovici - Study on the Extraction in Microwave Field of the Essential Oils from Chilli, 2017 14TH INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (EMES), Pages: 63-66, Published: 2017, JUN 01-02, 2017, ORADEA, ROMANIA, ISBN:978-1-5090-6073-3, **Document Type: Proceedings Paper, WOS:000427085200015**

http://apps.webofknowledge.com.am.e-information.ro/Search.do?product=WOS&SID=E1CiPOr3lxph2OxGMxg&search_mode=GeneralSearch&prID=46a56396-38d9-43a4-aa24-0fb350ae24c0

5. **F.I.Hathazi**, M.N.Arion, Daniela Iordache, - Microwave reticulation of epoxy resin used for single layer electric insulations, Journal of Microwave Power and Electromagnetic Energy, 49 (30, 2015, pp. 171 – 181, a Publication International Microwave Power Institute (IMPI), JMPEE, Volume 49, Issues 3, ISSN 0823-7823, **Document Type: JOURNAL Paper, WOS:000367651500005**

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6. **F. I. Hathazi**, V. D. Soproni, M. N. Arion, C. O. Molnar, About the Use of the High Frequency Electromagnetic Field in Order to Improve the Quality of the Agricultural Seeds, indexat IEEE Xplore (Cat. No.:CFP1493Y-ART ISBN: 978-1-4799-6821-3), International Symposium on Fundamentals of Electrical Engineering 2014, University POLITEHNICA of Bucharest, Romania, November, 2014, **Document Type: Proceedings Paper, WOS:000380570500059**

http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=9&SID=Y15Xetfdy5MwK5VpVgh&page=1&doc=1&cacheurlFromRightClick=no

7. Iordache, D., Niculae, D., **Hathazi, FI**, Utilization of Microwave Energy for Decontamination of Oil Polluted Soils, JOURNAL OF MICROWAVE POWER AND ELECTROMAGNETIC ENERGY, Volume: 44, Issue: 4, Pages: 213-221, 2010, ISSN: 0832-7823, Publisher: TAYLOR & FRANCIS INC, 530 WALNUT STREET, STE 850, PHILADELPHIA, PA 19106 USA, **Document Type: JOURNAL Paper, WOS:000209818700006**

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8. V.D. Şoproni, **F. I. Hathazi**, C.O. Molnar and M. N. Arion, Aspects Regarding the Design of Equipment and Monitoring of the Parameters that Affect the Drying and Fighting Process Against Insects and Pathogen Factors in Microwave Field, Asia-Pacific Microwave Conference (APMC 2009), IEEE Catalog Number CFP09APMC-CDR, ISBN 978-1-4244-2802-1, CD: ID-1905, Singapore, 2009, **Document Type: Proceedings Paper, WOS:000279924300390**

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9. **F. I. Hathazi**, V.D. Şoproni, C. O. Molnar and M. N. Arion, Fluidizing Impregnation Epoxy Resins Simultaneously with Producing Electrical Insulations Followed by Reticulation, Using Microwave Energy, Asia-Pacific Microwave Conference (APMC 2009), IEEE Catalog Number CFP09APMC-CDR, ISBN 978-1-4244-2802-1, CD: ID-1899, Singapore, 2009, **Document Type: Proceedings Paper, WOS:000279924301010**

http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=18&SID=Y15Xetfdy5MwK5VpVgh&page=1&doc=1&cacheurlFromRightClick=no

10. Soproni, Vasile Darie; **Hathazi, Francisc Ioan**, Arion, Mircea Nicolae, Molnar, Carmen Otilia, Bandici, Livia; Aspects Regarding the Adapting and Optimization of Mixed Drying Systems Microwave-hot Air for the Processing of Agricultural Seeds, PIERS

2009 BEIJING: PROGRESS IN ELECTROMAGNETICS RESEARCH SYMPOSIUM, PROCEEDINGS I AND II, ISBN:978-1-934142-08-0, ISSN: 1559-9450, Publisher ELECTROMAGNETICS ACAD, 777 CONCORD AVENUE, STE 207, CAMBRIDGE, MA 02138 USA, pp. 210-213, 2009, **Document Type: Proceedings Paper, WOS:000268101100041**

http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=21&SID=Y15Xetfdy5MwK5VpVgh&page=1&doc=1&cacheurlFromRightClick=no

b. teza sau tezele de doctorat;

1. Titlul tezei de doctorat: **Reticularea în câmp de microunde a rășinilor epoxidice utilizate în realizarea de izolații electrice;**

Conducător științific: prof.univ.dr.ing. Teodor Maghiar;

Domeniul fundamental: Științe ingineresti;

Domeniul de doctorat: Inginerie electrică;

Instituția organizatoare de doctorat: Universitatea din Oradea;

Anul susținerii: 2006;

Ordinul Ministrului Educației și Cercetării nr. 4871 / 07.08.2006;

Țara: România, Localitatea: Oradea.

c. brevete de invenție și alte titluri de proprietate industrială;

1. Procedeu de recuperare a aluminiului prin utilizarea energiei microundelor la topirea deșeurilor de doze metalice, Dumitrescu Daniela Violeta, Soare Vasile, Mitrică Dumitru, Manea Aurel, Apolzan Adrian, Niculae Dumitru, **Hathazi Francisc – Ioan;**

Nr. cerere: a 2014 00301;

Data de depozit: 15 / 04 / 2014;

Data publicării cererii: 30.10.2015;

BOPI nr.: 10 / 2015

<http://pub.osim.ro/publication-server/pdf-document?PN=RO130631%20RO%20130631&iDocId=7594&iepatch=.pdf>

d. cărți și capitole în cărți;

1. **Francisc Ioan Hathazi**, Vasile Darie Șoproni, Mircea Nicolae Arion, Carmen Otilia Molnar, Supraconductori și sisteme supraconductoare. Fenomenul supraconductibilității și a diamagnetismului perfect, 2016, Editura Universității din Oradea, ISBN 978 – 606 – 10 – 1854 – 3, pp.107;
2. **Francisc Ioan Hathazi**, Mircea Nicolae Arion, Vasile Darie Șoproni, Carmen Otilia Molnar, Elemente de teoria circuitelor electrice. Note de curs, Editura Universității din Oradea, ISBN 978 – 606 – 10 – 1855 – 0, pp.149, 2016, format electronic;
3. **Francisc – Ioan Hathazi**, Vasile – Darie Șoproni, Mircea – Nicolae Arion, Carmen Otilia Molnar, Supraconductori și sisteme supraconductoare. Aplicații practice, Editura Universității din Oradea, ISBN 978 – 606 – 10 – 1856 – 7, pp. 56, 2016, *îndrumător de laborator – format electronic;*

4. **Francisc – Ioan Hathazi** – Supraconductori și sisteme Supraconductoare, 2014, curs format electronic;
<http://www.didatec.ro/AllCourses.aspx>
 5. **Francisc – Ioan Hathazi** – Supraconductori și sisteme Supraconductoare, 2014, *îndrumător de laborator*;
<http://www.didatec.ro/AllCourses.aspx>
 6. **Francisc Ioan Hathazi**, Izolații electrice pe bază de rășini epoxidice reticulate în câmp de microunde, Editura AGIR, ISBN – 978-973-720-126-3, 2007, pp.204;
 7. **Francisc Ioan Hathazi**, Utilizarea calculatoarelor, Editura Universității din Oradea, ISBN 973-759-089-9, 978-973-759-089-3, 2006, pp.253;
 8. **Francisc – Ioan Hathazi**, Darie Vasile Șoproni, Teodor Maghiar, Mircea Pantea – *Îndrumător de laborator – Electrotehnică Industrială*, Editura Universității din Oradea, 2005, pp.88;
 9. Darie – Vasile Șoproni, **Francisc – Ioan Hathazi**, Teodor Maghiar, Mircea Pantea – *Îndrumător de laborator – Elemente de circuit de curent continuu. Aspecte privind teoria câmpului electromagnetic*, Editura Universității din Oradea, 2005, pp.63.
 10. **Francisc Ioan Hathazi**, Teodor Maghiar, Darie Șoproni, Monica Poinar, *Instalații electrice*, Editura Universității din Oradea, ISBN 973-613-811-9, 2005, pp. 314;
- e. *articole / studii în extenso, publicate în reviste din fluxul științific internațional principal*;
1. **Francisc Ioan Hathazi**, Vasile Darie Șoproni, Mircea Nicolae Arion, Carmen Otilia Molnar, Simina Vicaș (Coman), Olimpia Smaranda Mintas, The Use of Microwave Drying Process to the Granular Materials, (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 10, No.11, 2019, pp.23-29, ISSN : 2156-5570 (Online), ISSN : 2158-107X (Print), (DOI) : 10.14569/IJACSA.2019.0101104, **Document Type: JOURNAL Paper, WOS: 000504404900004**
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 2. Mihaela Covaciu, **Francisc-Ioan Hathazi**, Mircea-Nicolae Arion, Vasile-Darie Soproni, Carmen Otilia Molnar, Ovidiu Popovici – Determining the Potential for Recovery, Reuse and Recycling of Construction and Demolition Waste Assisted by High Frequency Electromagnetic Field, 13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5 , Electronic ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, **Document Type: Proceedings Paper, WOS: 000503434500024**
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3. Mircea-Petru Ursu, Ovidiu-Constantin Novac, Mihai Oproescu, Gvöngvi Buidosó, **Francisc Ioan Hathazi** – Comparative Study of the Analog and Digital Operation for Miniature Railway Systems, 13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5 , Electronic ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, **Document Type: Proceedings Paper, WOS: 000503434500035**

http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2a2OcmhL3Ogl9JIE94&page=1&doc=5&cacheurlFromRightClick=no
4. Vasile Darie Soproni, Carmen Otilia Molnar, **Francisc Ioan Hathazi**, Mircea Nicolae Arion, Marius Codrean, Liviu Moldovan - Experimental Research on Microwave Field and Hot Air Drying of Barley Seeds, 13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5, Electronic ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, **Document Type: Proceedings Paper, WOS: 000503434500029**

http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=C2a2OcmhL3Ogl9JIE94&page=1&doc=4&cacheurlFromRightClick=no
5. Laurentiu Copil, **Francisc-Ioan Hathazi**, Mircea-Nicolae Arion, Vasile-Darie Soproni, Carmen Otilia Molnar, Covaciu Mihaela - About the Use of High Frequency Ceramic Susceptors for Industrial Applications, 13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5 , Electronic ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, **Document Type: Proceedings Paper, WOS: 000503434500050**

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6. Laurentiu Copil, **Francisc-Ioan Hathazi**, Mircea-Nicolae Arion, Vasile-Darie Soproni, Carmen Otilia Molnar, Mircea-Danut Pantea - Production of Silicon Carbide in a High Frequency Electromagnetic Field. Measuring Thermal Conductivity, 13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5 , Electronic ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, **Document Type: Proceedings Paper, WOS: 000503434500022**

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7. Mihaela Covaciu, Vasile-Darie Soproni, **Francisc-Ioan Hathazi**, Carmen Otilia Molnar, Mircea-Nicolae Arion, Marius Codrean – Decontamination, Drying and Sterilization

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