

LISTA DE LUCRĂRI

ș.l.dr.ing.inf. Francisc – Ioan HATHAZI

a. 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 care dintre lucrările prezentate sunt realizate după dobândirea atestatului de abilitare;

1. **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, **WOS:000367651500005**

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

2. Popovici O.D., Tataru M.B., **Hathazi F.I.**, Popovici D.M., The behaviour of the direct methanol fuel cell under low frequency acoustic vibrations, Engineering of modern electric systems (EMES), 2015 13th International Conference, 11 - 12 Jun 2015, ISBN 978-1-4799-7649-2, INSPEC accession number 15305016, Publisher IEEE, **WOS:000363815100030**

http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=7&SID=Y15Xetfdy5MwK5VpVgh&page=1&doc=1&cacheurlFromRightClick=no

3. **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, **WOS:000380570500059**

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4. Czumbil L., Dan D. Micu & **Hathazi F.I.**: „Operating mode prediction of a microwave heating system using artificial intelligence techniques”, 8th International Symposium on Advanced Topics in Electrical Engineering, (ATEE), ISBN: 978-1-4673-5979-5, Bucharest, Romania, May 23-25, 2013. Doi: 10.1109/ATEE.2013.6563455, **WOS:000332928500109**

http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=12&SID=Y15Xetfdy5MwK5VpVgh&page=1&doc=1&cacheurlFromRightClick=no

5. Soproni, V.D., Arion, M.N., **Hathazi, F.I.**, "The drying and fighting process against insects and pathogen factors with microwave field equipment", 20TH International Daaam Symosium, volume 20, NO.1, Editor B. Katalinic, Published by DAAAM INTERNATIONAL, VIENA, AUSTRIA, 2009 pp. 1327-1328, ISSN 1726-9679, ISBN 978-3-901509-70-4, **WOS:000282335600664**,

http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=14&SID=Y15Xetfdy5MwK5VpVgh&page=1&doc=1&cacheurlFromRightClick=no

6. 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, **WOS:000279924300390**

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7. **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, **WOS:000279924301010**

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8. 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, **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

9. Ovidiu Novac, Mircea Vlăduţiu, Ştefan Vari-Kakas, **Francisc Ioan Hathazi** and Mihaela Novac Wseas, 20 – 22 February 2008, University Of Cambridge, "Aspects Regarding The Use Of Sec-Ded Codes To The Cache Level Of A Memory, Hierarchy", Pag 430-433, **WOS:000257462700063**

http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=24&SID=Y15Xetfdy5MwK5VpVgh&page=1&doc=1&cacheurlFromRightClick=no

10. Ovidiu Novac, Stefan Vari-Kakas, **Francisc Ioan Hathazi**, Mircea Curila And Sorin Curila, "Aspects Regarding The Implementation Of Hsiao Code To The Cache Level Of A Memory Hierarchy With Fpga Xilinx Circuits", lucrarea nr. 244, prezentata on-line pe internet in 10.12.2008, la ora 21.00 gmt, LA CISSE 2008, UNIVERSITY OF BRIDGEPORT, USA, **WOS:000281650200092**

http://apps.webofknowledge.com.am.e-information.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=26&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;**

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[document?PN=RO130631%20RO%20130631&iDocId=7594&iepatch=.pdf](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. **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, **WOS:000367651500005**
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5. ARION Mircea Nicolae, **HATHAZI Francisc Ioan**, MOLNAR Carmen Otilia, SOPRONI Vasile Darie, Aspects Regarding the Numerical Modeling of the Electromagnetic Induction Heating Process Used for Hot Deformation of Semi-finished Parts, Journal of Electrical and Electronics Engineering, Indexata BDI, B+, ISSN: 1844-6035, Editura Universitatii din Oradea, Romania, Vol.7, Nr.2, May, oct 2014, pp. 5-8

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84922475303&partnerID=40&md5=86d14a12dafec6e95cf2dceff05b56ba>

6. ARION Mircea, **HATHAZI Francisc Ioan**, “The numerical computation of coupled problem for the electromagnetic and thermal field within the hardening processes of valve guides through electromagnetic induction”, Journal of Electrical and Electronics Engineering, Indexata BDI, B+, ISSN:1844 – 6035, Editura Universitatii din Oradea, Romania, Vol.5, Nr.2, October, 2012, pp. 21-24

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7. Arion, M., Leuca, T., **Hathazi, F.I.**, Soproni, V.D., Molnar, C., Cheregi, G., Aspects regarding the numerical computation of the eddy current problem within the electromagnetic induction processes of thin planes, Journal of Electrical and Electronics Engineering, ISSN: 18446035, Volume 5, Issue 2, October 2012, Pages 17-20

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8. Soproni, V.D., Vicas, S.M., Leuca, T., Arion, M.N., **Hathazi, F.I.**, Molnar, C.O., High frequency electromagnetic field modeling and experimental validation of the microwave drying of wheat seeds, Progress In Electromagnetics Research B, ISSN: 19376472, Issue 41, 2012, Pages 419-439

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84864324240&partnerID=40&md5=740d63902c85e9bbdf92d6bdedd4d8bb>



9. Vicas, S., Leuca, T., Soproni, D., Arion, M., Molnar, C., **Hathazi, F.I.**; Experimental results of wheat seeds processed in microwave field, Journal of Electrical and Electronics Engineering, ISSN: 18446035, Volume 5, Issue 1, May 2012, Pages 269-272

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84866235734&partnerID=40&md5=0a2a23cd2d503b0eded6fa8dab912f42>

10. Soproni, D., Vicas, S., **Hathazi, F.I.**, Arion, M., Molnar, C., Coman, O.; The study of drying characteristics of wheat seeds in microwave field for different processing conditions, Journal of Electrical and Electronics Engineering, ISSN: 18446035, Volume 4, Issue 2, October 2011, Pages 103-106,

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-82555182706&partnerID=40&md5=9a9920d0e82d4ae5d3bf6fba94726312>

11. Vicas, S., Soproni, D., Leuca, T., Arion, M., **Hathazi, F.I.**, Molnar, C.; Experimental results of corn seeds dried in microwave field, Journal of Electrical and Electronics Engineering, ISSN: 18446035, Volume 4, Issue 2, October 2011, Pages 107-110

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12. Vicas, S., Soproni, D., Leuca, T., Arion, M., **Hathazi, F.I.**, Molnar, C.O; Parameter variation of wheat seeds dried in microwave field, Journal of Electrical and Electronics Engineering, ISSN: 18446035, Volume 4, Issue 1, 2011, Pages 237-240

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13. Arion, M., Soproni, D., Vicas, S., Leuca, T., **Hathazi, F.I.**, C, Molnar, C., Bandici, L.; Microwave drying process of corn seeds, Journal of Electrical and Electronics Engineering, ISSN: 18446035, Volume 4, Issue 1, 2011, Pages 11-14

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-79959751844&partnerID=40&md5=0e655195d0a70f1abebc5a8bd70ee760>

14. Soproni, D., Vicas, S., Leuca, T., **Hathazi, F.I.**, Arion, M.; Analysis variation of the parameters for the drying with microwaves of the cereals in various processing conditions, E189 Volume 3, Issue 1, 2010, Pages 201-204

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15. Soproni, V.D., Arion, M.N., **Hathazi, F.I.**, "The drying and fighting process against insects and pathogen factors with microwave field equipment", 20TH International Daaam Symosium, volume 20, NO.1, Editor B. Katalinic, Published by DAAAM INTERNATIONAL, VIENA, AUSTRIA, 2009 pp. 1327-1328, ISSN 1726-9679, ISBN 978-3-901509-70-4, **WOS:000282335600664**,

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16. 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, **WOS:000279924300390**

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17. **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, **WOS:000279924301010**

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

18. 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, **WOS:000268101100041**

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

19. Ovidiu Novac, Mircea Vlăduţiu, Ştefan Vari-Kakas, **Francisc Ioan Hathazi** and Mihaela Novac Wseas, 20 – 22 February 2008, University Of Cambridge, "Aspects Regarding The Use Of Sec-Ded Codes To The Cache Level Of A Memory, Hierarchy", Pag 430-433, **WOS:000257462700063**

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20. Ovidiu Novac, Stefan Vari-Kakas, **Francisc Ioan Hathazi**, Mircea Curila And Sorin Curila, "Aspects Regarding The Implementation Of Hsiao Code To The Cache Level Of A Memory Hierarchy With Fpga Xilinx Circuits", lucrarea nr. 244, prezentata on-line pe internet in 10.12.2008, la ora 21.00 gmt, LA CISSE 2008, UNIVERITY OF BRIDGEPORT, USA, **WOS:000281650200092**

http://apps.webofknowledge.com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=26&SID=Y15Xetfdy5MwK5VpVgh&page=1&doc=1&cacheurlFromRightClick=no

f. publicații în extenso, apărute în lucrări ale principalelor conferințe internaționale

1. Carmen O. Molnar, Darie V. Șoproni, Mircea N. Arion, **Francisc I. Hathazi**, Parameters analysis of the photovoltaic systems to the variation of the inclination angle to horizontal plane, Nonconventional Technologies Review 2016, Romanian Association of Nonconventional Technologies Romania, September, 2016, pp.54-58.

<http://search.proquest.com/openview/fdeaf73292930998b2573014f5e77d63/1?pq-origsite=gscholar&cbl=366251>

2. Darie V Soproni, Carmen O Molnar, Mircea N Arion, **Francisc I Hathazi**, Parameters analysis of a thermal installation with heat pipe vacuum tube solar collector, Nonconventional Technologies Review 2015, Romanian Association of Nonconventional Technologies Romania, September, 2015, pp.43-48.

<http://search.proquest.com/openview/89179f288ca4f08612022678579a435a/1?pq-origsite=gscholar>

3. Arion, M.N., **Hathazi, F.I.**, Soproni, D., Molnar, C.O. – Study regarding the electromagnetic field into microwave drying equipments, Journal of Electrical and Electronics Engineering, ISSN: 18446035, Volume 3, Issue 1, 2010, Pages 21-24

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-78650503073&partnerID=40&md5=cd8f0748500acce0930ad342dce461a8>

4. Daniela Iordache, Dumitru Niculae, **Francisc Ioan Hathazi** - Utilization of Microwave Energy for Decontamination of Oil Polluted Soils - Journal of Microwave Power and Electromagnetic Energy, 44 (4), 2010, pp. 213-221, A Publication of the International Microwave Power Institute

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5. **Hathazi, F.I.**, Soproni, V.D., Arion, M.N., Molnar, C.O., Bandici, L.; Solution for using the microwave energy in order to improve the quality for agricultural seeds. generation and processing microwave system, Journal of Electrical and Electronics Engineering, ISSN: 18446035, Volume 2, Issue 1, 2009, Pages 56-59

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6. Arion, M.N., **Hathazi, F.I.**, Soproni, V.D., Molnar, C.O., Cheregi, G.R.; Numerical modeling of the electromagnetic field within the induction hardening of inner cylindrical surfaces, Journal of Electrical and Electronics Engineering, ISSN: 18446035, Volume 1, Issue 1, 2008, Pages 11-14

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