

LISTA DE LUCRĂRI
conf.univ.dr.ing.habil. Livia BANDICI

1. Teza de doctorat:

BANDICI LIVIA - Modelarea numerică a câmpurilor electromagnetice și termice cuplate din instalațiile cu microunde - Conducător științific: prof.univ.dr.ing. **Teodor Leuca**, Universitatea din Oradea, **2003**, Ordinul Ministrului Educației și Cercetării nr. 5663/15.12.2003.

A. Cărți cu ISBN/capitole ca autor publicate în edituri internaționale

2.A.1. Livia Bandici, Alin C. Teușdea, Adrian C. Oradan, Gh. Emil Bandici, Andreea M. Vlad and Siomona Ioana Vicaș - *Grape pomace in health and Disease Prevention*. Published by Nova Science Publishers, Inc. New York, **2022**, pp. **49-66**. ISBN: 9781685074098 (hardcover), ISBN: 9781685074258 (adobe pdf), DOI **10.52305/HINI5835**.

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85142022820&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=20&nls=countf&sid=340053fcf30475ced14e9976360acb96&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=3&citeCnt=0&searchTerm=

2.A.2. Livia Bandici, Teodor Leuca, Simina Coman - Numerical Methods for Energy Applications, Cap. *Numerical Methods for Analysis of Energy Consumption in Drying Process of Wood*, pp. **679-705**, **2021**, ISBN: 978-3-030-62191-9. DOI: **10.1007/978-3-030-62191-9_25**.

<https://link.springer.com/book/10.1007/978-3-030-62191-9/>; [Numerical Methods for Analysis of Energy Consumption in Drying Process of Wood | SpringerLink](#)

2. Cărți cu ISBN/capitole ca autor publicate în edituri naționale

2.B.1. Teodor Leuca, Livia Bandici, Ilie Stoichescu - *Analiza numerică a fenomenelor electromagnetice, termice și de masă la procesarea materialelor dielectrice în câmp de radiofrecvență și microunde*. Editura Universității din Oradea, **2014**, pag. **181**, ISBN 978-606-10-1283-1.

2.B.2. Dorel Hoble, Livia Bandici, Stefan Nagy – *Sisteme performante de procesare a materialelor*. Editura Universității din Oradea, **2012**, pag. **265**, ISBN 978-606-10-0767-7.

2.B.3. Livia Bandici, Dorel Hoble, Stefan Nagy – *Tehnologii inovative în procesarea materialelor*. Editura Universității din Oradea, **2011**, pag. **224**, ISBN 978-606-10-0472-0.

2.B.4. Florea Ioan Hăntilă, Livia Bandici, Teodor Leuca - *Tehnici informatice utilizate în ingineria electrică*. Editura Universității din Oradea, **2011**, pag. **178**, ISBN 978-606-10-0453-9.

2.B.5. Livia Bandici, D. Hoble – *Electrotermia. Studii teoretice și aplicative*. Editura Universității din Oradea, **2009**, pag. **126**. ISBN 978-973-759-906-3.

2.B.6. Livia Bandici, D. Hoble – *Utilizări ale energiei electrice în echipamentele de iluminat și sudură*. Editura Universității din Oradea, **2009**, pag. **211**, ISBN –978-973-759-821-9.

2.B.7. Teodor Leuca, Florea Ioan Hăntilă, Livia Bandici, Carmen Molnar – *Bazele electrotehnicii*. Editura Mediamira – Cluj - Napoca, **2007**, pag. **211**, ISBN 978-973-713-189-8.

2.B.8. Teodor Leuca, **Livia Bandici**, Carmen Molnar – *Aspecte privind încălzirea în câmp de microunde a materialelor dielectrice*. Editura Mediamira – Cluj - Napoca, **2006, pag. 186**, ISBN (13) 978-973-713-142-3.

2.B.9. **Livia Bandici**, D. Hoble – *Utilizări ale energiei electrice*. Editura Universității din Oradea, **2006, 156 pag.** ISBN – (10) 973-759-118-6; ISBN (13) 978-973-759-118-0.

2.B.10. D. Hoble, **Livia Bandici**, Claudia Stașac – *Studii aplicative în tehnologii electrice*. Editura Treira, **2006, pag. 113**, ISBN – (10) 973-8159-79-2; ISBN (13) 978-973-8159-79-2.

2.B.11. **Livia Bandici** – *Modelarea numerică a câmpului electromagnetic și termic cuplat în instalațiile de încălzire în câmp de microunde*. Editura Mediamira – Cluj -Napoca, **2005, pag. 156**, ISBN – 973-713-062-6.

2.B.12. **Livia Bandici** – *Electrotermie*. Editura Universității din Oradea, **2004, pag. 259**, ISBN - 973 - 613 - 491 – 1.

2.B.13. Gilbert De Mey, **Livia Bandici**, Carmen Molnar – *Metoda elementelor de frontieră*. Editura Universității din Oradea, **2002, pag.157**, ISBN - 973 - 613 - 136 – X.

2.B.14. Teodor Maghiar, Dorel Hoble, **Livia Bandici** – *Instalații și utilizarea energiei electrice*. Editura Universității din Oradea, **2000, pag. 322**, ISBN - 973 - 8083 - 14 -1.

C. Suport de curs inclusiv electronic

2.C.1. **Livia Bandici** - *Surse electroenergetice*. Suport de curs în format electronic, **2020, pag. 156**.

2.C.2. Ștefan Nagy, **Livia Bandici** - *Metode si procedee tehnologice*. Editura Universității din Oradea, 2017, **pag. 204**, ISBN 978-606-10-1888-8.

2.C.3. **Livia Bandici** - *Electrotermie. Teorie și aplicații*. Editura Universității din Oradea, **2016, pag. 280**, ISBN 978-606-10-1725-6.

2.C.4. **Livia Bandici** – *Sisteme electrotermice moderne*. Editura Universității din Oradea, **2014, pag. 209**, ISBN 978-10-1275-6.

D. Îndrumătoare de laborator/aplicații

2.D.1. **Livia Bandici**, S. Nagy – *Metode și procedee tehnologice. Lucrări practice de laborator*. Editura Universității din Oradea, **2018, pag. 98**, ISBN 978-606-10-1958-8.

2.D.2. **Livia Bandici**, D. Hoble, Claudiu Mich-Vancea – *Utilizarea energiei electrice. Proiectare în sisteme de utilizare*. Editura Universității din Oradea, **2010, pag. 143**, ISBN 978-606-10-0118-7.

2.D.3. **Livia Bandici** – *Electrotermie. Aplicații*. Editura Universității din Oradea, **2002, pag. 148**.

2.D.4. T. Maghiar, M. Silaghi, **Livia Bandici** - *Tehnologii cu microunde. Îndrumător de laborator*. Editura Universității din Oradea, **2001, pag.79**.

2.D.5. **Livia Bandici**, D. Hoble – *Electrotermie. Îndrumător de laborator*. Editura Universității din Oradea, **2000, pag. 82**.

2.D.6. D. Hoble, **Livia Bandici** – *Tehnologii electrice. Îndrumător de laborator*. Editura Universității din Oradea, 1998, pag. 87.

3. Articole în extenso în reviste cotate WOS Thomson Reuters în volume proceedings indexate WOS Thomson - Reuters

3.A.1. Vasile Darie Soproni, **Livia Bandici**, Alin Cristian Teusdea, Francisc Ioan Hathazi, Mircea Nicolae Arion, Carmen Otilia Molnar, Teodor Leuca, Claudia Andrada Dalea and Simona Ioana Vicas - *Phenolic Content, Antioxidant Capacity, and Browning Impact of Apple Slices during Microwave Drying A Chemometric Approach*. **Revistă**. **IF 3.5**. *Processes* 2023, 11(6), 1601; <https://doi.org/10.3390/pr11061601>, <https://www.mdpi.com/2227-9717/11/6/1601/>

3.A.2. Bandici Livia, Teusdea Alin Cristian, Soproni Vasile Darie, Hathazi Francisc Ioan, Arion Mircea Nicolae, Molnar Carmen Otilia and Vicas Simona Ioana - *The Influence of Microwave Treatments on Bioactive Compounds and Antioxidant Capacity of Mentha piperita L.* *Materials* **2022**, vol.15, Issue 21, 7789. DOI 10.3390/ma15217789, **WOS:000882153600001**, **IF 3.748**. eISSN: 1996-1944. **Revistă**. <https://1710q0w9h-y-https-www-webofscience-com.z-e-nformation.ro/wos/woscc/full-record/WOS:000882153600001>

3.A.3. Alexandra-Cristina Tocai (Moțoc), Floricuta Ranga, Andrei George Teodorescu, Annamaria Pallag, Andreea Margareta Vlad, **Livia Bandici** and Simona Ioana Vicas - *Phytochemicals screening and antimicrobial properties of Sanguisorba officinalis L. and Sanguisorba minor Scop.* *Plants*, vol. 11, Issue 24, DOI 10.3390/plants11243561 article nr. 3561, **2022**, **WOS:000904301300001**, **IF 4,658**. eISSN: 2223-7747. **Revistă**. <https://1710q0w9h-y-https-www-webofscience-com.z-e-nformation.ro/wos/woscc/full-record/WOS:000904301300001>

3.A.4. Bandici Livia, Teusdea Alin, Milian Ovidiu Pavel, Memete Adriana Ramona, Vicas Simona Ioana, Timar Gheorghe Emil - *The Use of Microwaves in the Process of Reducing the Browning of Apple Slices*. *International Conference on Engineering of Modern Electric Systems (EMES)*, **2021**, DOI 10.1109/EMES52337.2021.9484152. pp. 17-20. **WOS:000855847300005**. <https://1710q48io-y-https-www-webofscience-com.z-e-nformation.ro/wos/woscc/full-record/WOS:000855847300005>

3.A.5. Bandici Livia, Banu Geanina Silviana, Ficai Denisa, Ficai Anton - *Study on the Use of a Stainless Steel Crucible and a Platinum-Plated Alumina Crucible in the Process of Obtaining Nanopowders in a Microwave Field*. *International Conference on Engineering of Modern Electric Systems (EMES)*, **2021**. DOI:10.1109/EMES52337.2021.9484131. pp. 13-16 **WOS:000855847300004**. <https://1710q48io-y-https-www-webofscience-com.z-e-nformation.ro/wos/woscc/full-record/WOS:000855847300004>

3.A.6. Zmaranda Doina R., Moisi Cristian I., Györödi Cornelia A., Györödi Robert Ș., **Bandici Livia** - *An Analysis of the Performance and Configuration Features of MySQL Document Store and Elasticsearch as an Alternative Backend in a Data Replication Solution*. *APPLIED SCIENCES-BASEL*, Volume **11**, Issue **24**, Article Number 11590, DOI 10.3390/app11156794, Published Dec. **2021**, ISSN 2076-3417, **WOS:000681800600001**, **IF 2,838**. **Revistă** <https://www.webofscience.com/wos/woscc/full-record/WOS:000735469100001/>

3.A.7. Bandici Livia, Banu Geanina Silviana, Ficai Denisa, Ficai Anton - *The use of microwaves in the process of obtaining nanopowders*. *JOURNAL OF MICROWAVE POWER AND ELECTROMAGNETIC ENERGY*. Volume 55, Issue 2, **2021**, pp.107-127, ISSN 0832-7823. **WOS:000648134600001**, **IF.1,85**. **Revistă** <https://www.webofscience.com/wos/woscc/full-record/WOS:000648134600001/>

3.A.8. Gyorodi, Cornelia A., Dumse-Burescu, DV, Diana, V, Gyorodi, RS, Zmaranda, DR, **Bandici, Livia**, Popescu, Daniela E. - *Performance Impact of Optimization Methods on MySQL Document-Based and Relational Databases*. APPLIED SCIENCES-BASEL, Volume **11**, Issue **15**, Article Number 6794, DOI 10.3390/app11156794, Published AUG **2021**, ISSN 2076-3417, **WOS:000681800600001**, IF **2,679**. **Revistă**

<https://www-webofscience-com.am.e-nformation.ro/wos/author/record/2041381/WOS:000681800600001/>

3.A.9. Bandici Livia, Banu Geanina Silviana, Fikai Denisa, Fikai Anton - *Obtaining SiO₂ Nanopowders Using Microwave Field Processing*. The 15th International Conference on Engineering of Modern Electric Systems Oradea, Romania, 13-14 June **2019**, **pp.141-144**, **WOS:000503434500036**.

<https://1710q48io-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000503434500036>

3.A.10. Bandici Livia, Banu Geanina Silviana, Fikai Denisa, Fikai Anton - *The Role of Susceptors in the Process of Obtaining Nanopowders using Microwaves*. The 15th International Conference on Engineering of Modern Electric Systems Oradea, Romania, 13-14 June **2019**, **pp. 69-72**, **WOS:000503434500018**.

<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000503434500018>.

3.A.11. Bandici Gheorghe Emil, **Bandici Livia**, Vicaș Simona and Teușdea Alin - *Pulsed Electric Field Treatments for Improving the Colour of Red Grape Products*. The 15th International Conference on Engineering of Modern Electric Systems Oradea, Romania, 13-14 June **2019**, **pp. 73-76**, **WOS:000503434500019**.

<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000503434500019/>

3.A.12. Leuca Teodor, Coman Simina, Trip Nistor Daniel, **Bandici Livia**, Codrean Marius and Perte Marcel - *Neural Network Modeling of a Drying Process in Radio Frequency Field*. The 15th International Conference on Engineering of Modern Electric Systems, Oradea, Romania, 13 – 14 June **2019**, **pp. 193-196**, **WOS:000503434500049**.

<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000503434500049>

3.A.13. Grumeza Catalin Ionut, **Bandici Livia**, Andrei Paul Cristian, Maricarui Mihai and Hantila Florea Ioan - *Assesment Procedures of the Magnetic Flux Null Value Through a Magnetic Circuit Branch*. The 15th International Conference on Engineering of Modern Electric Systems Oradea, Romania, 13-14 June **2019**, **pp. 221-224**, **WOS:000503434500056**.

<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000503434500056>

3.A.14. Maricarui Mihai, Codrean Marius, Leuca Teodor, **Bandici Livia**, Vasilescu George Marian —*Thermal Treatment of Ferromagnetic Bars*. Revue Roumaine des Sciences Techniques serie Electrotechnique et Energetique YEAR: **2017** | TOME: 62 | ISSUE: 3, **pp. 225-228**. ISSN: 0035-4066. **WOS:000414507000001**. IF. **0,637**. **Revistă**.

<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000414507000001/>

3.A.15. Bandici Livia, Leuca Teodor, Coman Simina - *The Use of Microwave Field Energy in the Drying Process of Wooden Sticks*. 14th International Conference on Engineering of Modern Electric Systems (EMES) Oradea, Romania June 01-02, **2017**, **pp.95-98**, **WOS:000427085200023**.

<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000427085200023>

3.A.16. Bandici Livia, Vicaș Simona, Bandici Gheorghe Emil, Teusdean Alin Cristian, Popa Dorin - *The Effect of Pulsed Electric Field (PEF) Treatment on the Quality of Wine*. 14th International Conference on Engineering of Modern Electric Systems (EMES) Oradea, Romania June 01-02, 2017, **pp.17-22, WOS:000427085200005**.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000427085200005>

3.A.17. Teușdea Alin Cristian, Vicaș Simona, **Bandici Livia**, Bandici Gheorghe Emil - *The Use of the High-Frequency Electromagnetic Field (MW) and of the Pulsed Electric Field (PEF) for the Extraction of Bioactive Compounds from Grapes*. 14th International Conference on Engineering of Modern Electric Systems (EMES) Oradea, Romania June 01-02, 2017, **pp.33-36, WOS:000427085200008**.

<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000427085200008/>

3.A.18. Leuca Teodor, Maricarui Mihai, Hăntilă Ioan Florea, Vasilescu Marian, Codrean Marius, **Bandici Livia**, Burca Adrian - *Heating of Nonlinear Ferromagnetic Bars*. 14th International Conference on Engineering of Modern Electric Systems (EMES) Oradea, Romania June 01-02, 2017, **pp.109-112. WOS:000427085200026**

<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000427085200026/>

3.A.19. Teusdea Alin C., **Bandici Livia**, Kordiaka Rafał, Bandici Gheorghe E., Vicas Simona I. - *The Effect of Different Pulsed Electric Field Treatments on Producing High Quality Red Wines*. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, Vol 45, No 2 (2017), **pp. 540-547**, Print ISSN 0255-965X; Electronic 1842-4309, DOI:10.15835/nbha45210890. **IF:0,48, WOS:000411504400031.**

Revistă

<https://www.webofscience.com/wos/woscc/full-record/WOS:000411504400031>

3.A.20. Bandici Livia, Vicaș Simona Ioana, Teușdea Alin Cristian, Bandici Gheorghe Emil, Popa Dorin - *Microwave-Assisted Extraction as a Method of Improving the Quality of Wines*. The Journal of Microwave Power and Electromagnetic Energy (JMPEE) 2017, Volume 51, Issue 3, **pp.161-177. IF: 1,7. DOI: 10.1080/08327823.2017.1350313. WOS:000407930600002. ISSN: 0832-7823 (Print).** **Revistă**

<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000407930600002/>

3.A.21. Vicaș Simona Ioana, **Bandici Livia**, Teușdea A. C., Turcin V., Popa D., Bandici Gh. E. - *The bioactive compounds, antioxidant capacity, and color intensity in must and wines derived from grapes processed by pulsed electric field*. CyTA - Journal of Food. Volume 15, 2017, **pp.553-562, ISSN: 1947-6337. IF: 1,371, WOS:000407647800009.** **Revistă**

<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000407647800009>

3.A.22. Gyrodi R., Gyrodi Cornelia, Tontea Anamaria, **Bandici Livia** - *A System of Categorization and Classification Based on Certain Criteria*. Preprint of Proceedings of 2016 6th International Conference on Computers Communications and Control (ICCCC), ISBN: 978-1-5090-1735-5, **pp. 205-209. WOS:000391251000032.**

<https://www.webofscience.com/wos/woscc/full-record/WOS:000391251000032>

3.A.23. Bandici Livia, Leuca Teodor, Vicaș Simona, Bandici Gheorghe Emil - *The influence of the high frequency electromagnetic field on grape processing*. 13th International

Conference on Engineering of Modern Electric Systems (EMES), 2015, pp. 1-4, 10.1109/EMES.2015.7158400. ISBN 978-1-4799-7649-2. **WOS:000363815100013**.

<https://1710q48io-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000363815100013>

3.A.24. Bandici Livia, Vicaș Simona, Bandici Gheorghe Emil, Teușdea Alin, Popa Dorin - *Physical-chemical, biological, and sensory analyses in grape processing using the high frequency electromagnetic field*. 13th International Conference on Engineering of Modern Electric Systems (EMES), 2015, pp. 1-6, 10.1109/EMES.2015.7158406. ISBN 978-1-4799-7649-2. **WOS:000363815100019**.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000363815100019/>

3.A.25. Leuca T., Laza M., **Bandici Livia**, Cheregi G., Vasilescu M., Drosu O. - FEM-BEM Analysis of Radio Frequency Drying of a Moving Wood Piece. *Revue Roumaine des sciences techniques Série Électrotechnique et Énergétique* Issue Tome 59, 2014, pp. 361 – 370. ISSN: 0035-4066. **WOS:000346950200003**. **IF 0,443**. **Revistă**

<https://www.webofscience.com/wos/woscc/full-record/WOS:000346950200003/>

3.A.26. Stănculescu Marilena, Maricarui Mihai, Hăntilă Florea I., Marinescu Stelian, Bandici Livia - *An iterative finite element – boundary element Method for efficient magnetic field computation In transformers*. *Revue roumaine des sciences techniques Série Électrotechnique et Énergétique*, Issue 3, 2011, pp. 267-276, **IF 0,443**, **WOS:000298453900003**. ISSN: 0035-4066. **Revistă**.

<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000298453900003>

3.A.27. Hăntilă Florea Ioan, Ciric Ioan, Maricarui Mihai, Văraticeanu Bogdan, **Bandici Livia** - *A dynamic over relaxation procedure for solving nonlinear periodic field problems*. *Série Électrotechnique et Énergétique*, Issue 2, 2011, pp. 169 – 178, **IF 0,443** ISSN: 0035-4066. **WOS:000291711900006**. **Revistă**

<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000291711900006/>

3.A.28. Leuca Teodor, Palade Paula Alexandra, Hăntilă Ioana, **Bandici Livia**, Cheregi Gabriel - *The use of a hybrid finite element – boundary Element method for the analysis of the operating parameters of a radio-frequency drying installation*. *Revue Roumaine des sciences techniques Série Électrotechnique et Énergétique* Issue 4, 2011, pp 367 – 376. ISSN: 0035-4066. **WOS:000297602500003**, **IF 0,443**. **Revistă**

<https://www.webofscience.com/wos/woscc/full-record/WOS:000297602500003>

3.A.29. Leuca Teodor, **Bandici Livia**, Palade Alexandra - *Drying of boxthorn fruits in a microwave electromagnetic field*. *Revue Roumaine des Sciences Techniques. Série Électrotechnique et Énergétique*, Issue 4, 2010, pp. 385 – 393, ISSN: 0035-4066. **WOS:000286710100006**, **IF 0,443**. **Revistă**

<https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000286710100006/>

3.A.30. Bandici Livia, Bandici Gheorghe, Gyorodi Cornelia, Șoproni V. D., Molnar Carmen Otilia – *Study Regarding the Processing of forest Fruits in a Microwave Field*. *Annals of DAAAM for 2009 & Proceedings of the 20th International DAAAM Symposium*, pp. 877-

878, Editor B[ranko] Katalinic, Published by DAAAM International, Vienna, Austria **2009**, ISBN 978-3-901509-70-4, ISSN 1726-9679, **WOS:000282335600439**.

<https://www.webofscience.com.am.e-nformation.ro/wos/woscc/full-record/WOS:000282335600439/>

3.A.31. Şoproni Vasile D., Hathazi F.I., Arion M., Molnar Carmen O., **Bandici Livia** - *Aspects Regarding the Adapting and Optimization of Mixed Drying Systems Microwave-hot Air for the Processing of Agricultural Seeds*. The Electromagnetics Academy PIERS **2009**, 23-27 March, Beijing, China, **pp. 210-213**, ISSN: 1559-9450. **WOS:000268101100041**.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000268101100041>

3.A.32. Bandici Livia, Leuca T., Mich-Vancea C., Nagy Şt. – *Researches regarding the transfer phenomenon of the electromagnetic and the thermal fields in a system*. XVIII International Conference on Electrical Machines, ICEM' 08, Vilamoura-Portugalia, paper ID 1101, pp.1001-1005, Published: **2009** (IEEE catalog No:CFP0890B-CDR; ISBN: 978-1-4244-1735-3. **WOS:000269315000183**.

<https://www.webofscience.com.am.e-nformation.ro/wos/woscc/full-record/WOS:000269315000183>

3.A.33. Gyorodi, Cornelia; Gyorodi, Robert; Pecherle, George, **Bandici, Livia**, Derşidan, Mihai – *An improved hebbian neural network with dynamic neuronal life and relations - Soft Computing Applications*. SOFA apos. Volume, Issue, **2010**. **pp.233 – 236**. ISBN: 978-1-4244-5054-1. **WOS:000275159600033**.

<https://www.webofscience.com.am.e-nformation.ro/wos/woscc/full-record/WOS:000275159600033>

B. Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)

3.B.1. Arion Mircea – Nicolae, **Bandici Livia**, Teuşdea Alin Cristian, Vicaş Simona Ioana, Molnar Carmen – Otilia, Şoproni Vasile – Darie, Hathazi Francisc – Ioan, Gyorodi Cornelia – Aurora - *The Drying of Peppermint Plants Using Microwave Energy*. JEEE, Volume 15, Number 2, October, 2022, **pp.16-20**. **Revistă**

https://www.scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85143802340&origin=resultslist&sort=plff&src=s&st1=Bandici&st2=L*&nlo=1&nlr=20&nls=countf&sid=340053fcf30475ced14e9976360acb96&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=2&citeCnt=0&searchTerm=

3.B.2. Bandici Livia, Ţelea Darius, Pancu Rareş, Leuca Teodor – *Aspects Regarding the Surface Hardening of Flat-Shaped Workpieces Using Inductive Equipment*. Journal of Electrical and Electronics Engineering, Vol. 13, nr. 1, May **2020**. **Revistă**

https://www.scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85090716945&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=count-f&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=6&citeCnt=0&searchTerm=

3.B.3. Ţelea, D., Vicaş Coman, S., **Bandici, Livia**, Codrean, M. Leuca, T. - *Aspects concerning the process of induction heating using design of experiments*. Journal of Electrical and Electronics Engineering, 2019, 12(1), **pp. 61-66**. **Revistă**

<https://www.scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85070328545&origin=resultslist&sort=plf-f&src=s&sid=037217e43ff725516074b1a94956b10b&sot=a&sdt=a&sl=23&s=SOURCEID+%2819700183048%29&relpos=0&citeCnt=0&searchTerm=>

3.B.4. Bandici Livia, Ţelea D., Leuca T., Nagy Şt., Trip D., Burcă A. - *The influence of the electromagnetic field on the surface hardening process of flat workpieces*. Nonconventional Technologies Review,nr.1, March, 2018, **pp. 13-18**. ISSN 1454-3087. **Revistă**

<https://www.proquest.com/docview/2059069341/3ED6135BE5CC4D0EPQ/12?accountid=136549/>

3.B.5. Țelea Darius, **Bandici Livia**, Codreanu Marius, Leuca Teodor - *The Analysis of the Electromagnetic Field in the Induction Heating of Flat Workpieces*. Journal of Electrical and Electronics, Engineering, vol. XI, nr.2 octombrie, 2018, **pp.37-42**. ISSN 1844 – 6035. **Revistă**
<https://www.proquest.com/docview/2234975168/D9C6726B3854482DPQ/23?accountid=136549/>

3.B.6. **Bandici Livia**, Bandici Gheorghe Emil - *Grape Processing Techniques in a High Frequency Electromagnetic Field*. Nonconventional Technologies Review, 2016, **pp. 36-40**, ISSN 1454-3087. **Revistă**
<https://www.proquest.com/docview/1786779535/D9C6726B3854482DPQ/21?accountid=136549>

3.B.7. Codreanu Marius, Nagy Ștefan, **Bandici Livia**, Gordan Mircea - *Modeling and Simulating the Process of Superficial Heat Treatment, by Induction*. Journal of Electrical and Electronics Engineering, vol. 09, nr.2. oct. 2016, **pp.15 – 18**, ISSN: 1844-6035. **Revistă**
https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84999026123&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=count-f&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=22&citeCnt=0&searchTerm=

3.B.8. **Bandici Livia**, Vicas Simona Ioana, Bandici Gheorghe Emil, Teusdea Alin Cristian, Cavalu Simona - *Bioactive Compounds Diffusion from Grapes to Wines under High Frequency Electromagnetic Field Treatments*. International Seminar on Biomaterials and Regenerative Medicine, BIOREMED Oradea, Romania, **pp. 289-295**. Trans Tech Publications Ltd. Churerstrasse 20, CH-8808 Pfaffikon Switzerland. Volume 695 of Key Engineering Materials 2016, ISSN print 1013-9826, ISSN cd 1662-9809 ISSN web 1662-9795. **Revistă**
https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84960329088&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=count-f&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=24&citeCnt=0&searchTerm=

3.B.9. **Bandici Livia** - *The Influence of the Electromagnetic Field and of the Thermal Field on the Processing of Birch Wood in a Microwave Field*. Journal of electrical and electronics engineering - Vol. 7, nr. 1, May 2014, **pp.13-18**, ISSN: 1844-6035. **Revistă**
https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84903181248&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=count-f&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=28&citeCnt=1&searchTerm=

3.B.10. Coman, S., Leuca, T., Coman, O., **Bandici Livia** - *Analysis of variance in the process of drying a dielectric material inside a microwave applicator*. Journal of Electrical and Electronics Engineering 6 (1) 2013, **pp. 13-16**, ISSN: 1844-6035. **Revistă**
<http://www.scopus.com/results/results.url?sort=plf-f&src=s&st1=Bandici&st2=&nlo=1&nlr=20&nls=count-f&sid=12107596405E55A0387EF637E1D316FB.WeLimyRvBMk2ky9SFKc8Q%3a2033&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&txGid=12107596405E55A0387EF637E1D316FB.WeLimyRvBMk2ky9SFKc8Q%3a2033/>

3.B.11. Laza Bulc, M., Leuca, T., **Bandici Livia**, Pantea, M., Coman, S. - *Analysing the variance of heating/drying parameters in a microwave field for oak planks*. Journal of Electrical and Electronics Engineering 6 (1) 2013, **pp. 55-58**, ISSN: 1844-6035. **Revistă**
<http://www.scopus.com/results/results.url?sort=plf-f&src=s&st1=Bandici&st2=&nlo=1&nlr=20&nls=count-f&sid=12107596405E55A0387EF637E1D316FB.WeLimyRvBMk2ky9SFKc8Q%3a2033&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&txGid=12107596405E55A0387EF637E1D316FB.WeLimyRvBMk2ky9SFKc8Q%3a2033/>

3.B.12. Lupu, C., **Bandici Livia**, Molnar, C., Popescu, D - *Reduced simulation strategy - Multiple model applicability*. Journal of Electrical and Electronics Engineering 6 (1) **2013**, pp. **63-68**, ISSN: 1844-6035. **Revistă**

<http://www.scopus.com/results/results.url?sort=plff&src=s&st1=Bandici&st2=&nlo=1&nlr=20&nls=countf&sid=12107596405E55A0387EF637E1D316FB.WeLimyRvBMk2ky9SFKc8Q%3a2033&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&txGid=12107596405E55A0387EF637E1D316FB.WeLimyRvBMk2ky9SFKc8Q%3a203/>

3.B.13. Gyorodi, C., Gyorodi, R., Derşidan M, Pecherle, G., BandiciLivia - *An improved hebbian neural network with dynamic neuronal life and relations and its connection to a decision group*. Studies in Computational Intelligence, Volume 417, 2013, pp. **165-174**.

<https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84867484674&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=Livia&nlo=1&nlr=20&nls=count-f&sid=4cab636f733f617d245eb9ecc4eadbe3&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=32&citeCnt=0&searchTerm=>

3.B.14. Laza (Bulc) Marcela, **Bandici Livia**, Leuca Teodor, Vicas (Coman) Simina, Pantea Mircea - *Thermal Field Distribution and Numerical Modeling in the Process of Melon Microwave Drying*. Journal of Electrical and Electronics, Engineering, vol. V, nr.2 octombrie, **2012**, pp.75-78. ISSN 1844 – 6035. **Revistă**

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84872926439&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=33&citeCnt=0&searchTerm=

3.B.15. Lupu Ciprian, **Bandici Livia** - *Solution for Some Nonlinear Multivariable Processes Control*. Journal of Electrical and Electronics Engineering. Vol. V, nr.1 mai 2012, pp. **115-120**, ISSN: 1844-6035. **Revistă**

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84866247983&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=35&citeCnt=0&searchTerm=

3.B.16. Mich-Vancea Claudiu, Leuca Teodor, Nagy Stefan, **Bandici Livia**, Stanciu Bogdan - *Types of Inductive Heating in Volume for Lengthy Pieces*. Journal of Electrical and Electronics Engineering. Vol. V, nr.1 mai **2012**, pp. **137-140**. **Revistă**

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84866251093&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=36&citeCnt=0&searchTerm=

3.B.17. Coman Ovidiu Gabriel, **Bandici Livia**, Leuca Teodor, Vicas Simina- *Electrothermal System for Microwave Heating*. Elements of Computer Aided Design of the Applicator. Journal of Electrical and Electronics, Engineering, vol. V, nr.2 octombrie, **2012**, pp.41-44. ISSN 1844 – 6035. **Revistă**

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-84872905182&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=34&citeCnt=0&searchTerm=

3.B.18. Arion Mircea, Şoproni Darie, Vicaş Simina, Leuca Teodor, Hathazi F. Ioan, Molnar Carmen, **Bandici Livia** - *Microwave Drying Process of Corn Seeds*. JEEE - Journal of Electrical and Electronics Engineering, Volume 4, Number 1, May **2011**, pp.11-14. **Revistă** ISSN 1844 – 6035.

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79959751844&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=38&citeCnt=0&searchTerm=

3.B.19. LEUCA Teodor, PALADE Paula Alexandra, **BANDICI Livia** - *Aspects Regarding the Processing of Semi-Manufactured Wood in a RF Field*. JEEE - Journal of

Electrical and Electronics Engineering. Volume 4, Number 1, May 2011, pp. 93 – 96. ISSN 1844 – 6035. **Revistă**

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79959712633&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=41&citeCnt=1&searchTerm=

3.B.20. Molnar Carmen Otilia, Leuca Teodor, **Bandici Livia**, Şoproni Vasile Darie, Arion Mircea Nicolae - *The Development of Methods for Solving the Electromagnetic and Thermal Fields in Microwave Installations*. JEEE - Journal of Electrical and Electronics Engineering. Volume 4, Number 1, May 2011, pp. 125 – 128. ISSN 1844 – 6035. **Revistă**

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79959708089&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=42&citeCnt=0&searchTerm=

3.B.21. Molnar Carmen, Lupu Ciprian, Udrea Andreea, **Bandici Livia** - *Multiple Model Control for Some Hysteresis Processes*. JEEE - Journal of Electrical and Electronics Engineering. Volume 4, Number 1, May 2011, pp. 129 – 134. **Revistă**

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79959749008&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=39&citeCnt=0&searchTerm=

3.B.22. Palade Paula Alexandra, Leuca Teodor, **Bandici Livia** - *Aspects Regarding the Processing of Semi-Manufactured Wood in a Microwave Field*. JEEE - Journal of Electrical and Electronics Engineering. Volume 4, Number 1, May 2011, pp. 153 – 156. **Revistă**

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79959736053&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=40&citeCnt=1&searchTerm=

3.B.23. **Bandici Livia** - *Processing of boxthorn fruits in a microwave electromagnetic field*. Nonconventional Technologies Review, 2011. Editura Politehnica Timișoara. Volume XV, nr. 2/2011, pp. 5 – 9, ISSN 1454-3087. **Revistă**

<https://www.proquest.com/engineeringjournals/results/9D3FD2EB5DF148D8PQ/1?accountid=136549>

3.B.24. Hoble Dorel Anton, Stasac, Claudia Olimpia, **Bandici Livia**, Molnar Carmen Otilia - *Modeling inductive heating process of a cylindrical structure mode of two different materials at a frequency of 1000 Hz*. Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium, Volume 22, No. 1, pp.1185-1186, ISSN 1726-9679, ISBN 978-3-901509-83-4, Vienna, Austria, EU, 2011

<https://www.scopus.com/record/display.uri?eid=2s2.084904310474&origin=resultslist&sort=plff&src=s&st1=Bandici&st2=Livia&nlo=1&nlr=20&nls=countf&sid=6053D57AD0DC12E18C35104C0173F68F.wsnAw8kcdt7IPYLO0V48gA%3a113&sot=anl&sdt=aut&sl=35&s=AUID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=22&citeCnt=0&searchTerm=>

3.B.25. Molnar Carmen Otilia, Arion Mircea Nicolae, Şoproni Vasile Darie, **Bandici Livia** – *Researches Concerning the problem of Coupling Between the electromagnetic and Thermal Fields from Microwave Instalations*. Annals of DAAAM for 2011 & Proceedings of the 22nd International DAAAM Symposium, Volume 22, No. 1, pp. 553-554, ISSN 1726-9679, ISBN 978-3-901509-83-4, Vienna, Austria, EU, 2011.

https://wwwscopuscom.am.enformation.ro/record/display.uri?eid=2s2.084904276546&origin=resultslist&sort=plff&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AUID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=45&citeCnt=0&searchTerm=

3.B.26. Bandici Livia - *The Influence of the Electromagnetic and Thermal Field in the Drying Process of Medicinal Herbs in a Microwave Field* – Journal of Electrical and Electronics Engineering, Volume 3, Number 1, **2010**, Oradea **pp.25-28**. ISSN 1844 – 6035. [Revistă](#)

https://www.scopus.com.am.enformation.ro/record/display.uri?eid=2s2.078650493514&origin=resultslist&sort=plff&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=46&citeCnt=1&searchTerm=

3.B.27. Leuca Teodor, Spoială Dragoș, Bandici Livia, Palade Paula Alexandra, Stoichescu Ilie - *The numerical analyses of electromagnetic and thermal field at the processing of semi-manufactured wood in a RF field*. JEEE - Journal of Electrical and Electronics Engineering, Volume 3, Number 1, **2010**, Oradea, **pp. 103-106**. ISSN 1844 – 6035. [Revistă](#)

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-78650461111&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=47&citeCnt=0&searchTerm=

3.B.28. Bandici Livia, Palade Paula Alexandra - *The Processing of Forest Fruits Using Combined Heating Microwave and Hot Air*. JEEE - Journal of Electrical and Electronics Engineering, Volume 3, Number 2, October **2010**, Oradea, **pp. 23-26**. ISSN 1844 - 6035. [Revistă](#)

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-80955132930&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=50&citeCnt=0&searchTerm=

3.B.29. Palade Paula Alexandra, Bandici Livia - *The optimization of electromagnetic field in microwave structures*. JEEE - Journal of Electrical and Electronics Engineering, Volume 3, Number 2, October **2010**, Oradea, **pp. 149 – 152**. ISSN 1844 - 6035. [Revistă](#)

https://www.scopus.com.am.enformation.ro/record/display.uri?eid=2s2.080955155229&origin=resultslist&sort=plff&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=49&citeCnt=0&searchTerm=

3.B.30. Gyrodi, Cornelia; Gyrodi, Robert; Pecherle, George, Bandici, Livia, Derșidan, Mihai – *An improved hebbian neural network with dynamic neuronal life and relations - Soft Computing Applications*. SOFA apos. Volume, Issue, **2010**. **pp. 233 – 236**. ISBN: 978-1-4244-5054-1.

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-77958495185&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=count-f&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=51&citeCnt=1&searchTerm=

3.B.31. Tămaș M., Leuca T., Mich-Vancea Cl., Nagy Șt., Bandici Livia – *The Numerical Modeling of the Electrothermal Process of Surface Hardening with Elements in Motion*. Journal of Electrical and Electronics Engineering, Vol.3, Nr. 1, **2010**, **pp. 219-223**, ISSN 1844-6035. [Revistă](#)

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-78650440695&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=48&citeCnt=0&searchTerm=

3.B.32. Bandici Livia - *Aspects regarding the processing of the medicinal herbs in a microwave field*. Journal of Electrical and Electronics Engineering, 27-29 May, Oradea **2009**, **pp. 13-17**, Vol. 2, nr.1, ISSN 1844-6035. [Revistă](#)

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.079959289963&origin=resultslist&sort=plff&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=55&citeCnt=0&searchTerm=

3.B.33. Leuca Teodor, Bandici Livia, Palade Paula Alexandra, Stoichescu Ilie – *Numerical analysis of the electromagnetic field in microwave processing of forest fruits*. Journal

of Electrical and Electronics Engineering, 27-29 May, Oradea **2009**, pp.64-67, Vol. 2, nr.1, ISSN 1844-6035. **Revistă**

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79959294322&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=54&citeCnt=3&searchTerm=

3.B.34. Bandici Livia, Leuca Teodor, Palade Paula Alexandra - *Some aspects regarding the optimization of the electromagnetic field propagation in microwave structures*. Journal of Electrical and Electronics Engineering, 27-29 May, Oradea **2009**, pp.7-12, Vol. 2, nr.2, ISSN 1844-6035. **Revistă**

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79959709592&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=52&citeCnt=4&searchTerm=

3.B.35. Hathazi Francisc Ioan, Şoproni Darie, Arion Mircea, Molnar Carmen, **Bandici Livia** – *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, 27-29 May, Oradea **2009**, pp. 56-59, Vol. 2, nr.1, ISSN 1844-6035. **Revistă**

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79959325977&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=53&citeCnt=1&searchTerm=

3.B.36. Bandici Livia, Molnar Carmen, Stoichescu Ilie - *The optimization of the processing of dielectric materials in a microwave field*. Journal of Electrical and Electronics Engineering, Oradea, **2008**, pp. 19-21,. **Revistă categoria B**, ISSN 1841-7221. **Revistă**

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79956264138&origin=resultslist&sort=plff&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=61&citeCnt=1&searchTerm=

3.B.37. Bandici Livia - *The drying of forest fruits in a microwave field*. Journal of Electrical and Electronics Engineering, Oradea, **2008**, pp. 15-19, ISSN 1841-7221. **Revistă**

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79956263967&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=62&citeCnt=0&searchTerm=

3.B.38. Molnar Carmen, Şoproni D.V., Arion M., **Bandici Livia** – *Temperature distribution in the humid powder beds dried in Microwave field and warm air*. Journal of Electrical and Electronics Engineering, Oradea, **2008**, pp. 95-98, ISSN 1841-7221. **Revistă**

https://www.scopuscom.am.enformation.ro/record/display.uri?eid=2s2.079956281496&origin=resultslist&sort=plff&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=60&citeCnt=0&searchTerm=

3.B.39. Bandici Livia, Molnar Carmen, Stoichescu Ilie - *The optimization of the processing of dielectric materials in a microwave field*. Journal of Electrical and Electronics Engineering, Oradea, **2008**, pp. 19-21, ISSN 1841-7221. **Revistă**

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79956264138&origin=resultslist&sort=plff&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=61&citeCnt=1&searchTerm=

3.B.40. Bandici Livia, Molnar Carmen, Hoble Dorel - *Study regarding the processing of dielectric materials in a microwave field*. Proceedings Book, 11th International Conference on Microwave and High Frequency Heating, Oradea, Romania, September, 3-6, **2007**, pp. 108, ISBN 978-973-759-333-7.

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85013951980&origin=resultslist&sort=plff&src=s&st1=Bandici&st2=L*&nlo=1&nlr=20&nls=countf&sid=b9cf701e20e3a4c1c525b67b3f27916b&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=64&citeCnt=1&searchTerm=

3.B.41. Molnar Carmen, Leuca Teodor, **Bandici Livia** – *The heating problems in a microwave field of the dielectric materials*. Proceeding Books - 11th International Conference on Microwave and High Frequency Heating, Oradea, Romania, September, 3-6, **2007**, pp. **63-66**, ISBN 978-973-759-333-7. https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-85013951980&origin=resultslist&sort=plff&src=s&st1=Bandici&st2=L*&nlo=1&nlr=20&nls=countf&sid=b9cf701e20e3a4c1c525b67b3f27916b&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=64&citeCnt=1&searchTerm=

3.B.42. Hoble Dorel, Staşac Claudia, **Bandici Livia** - *Study about material defaults, using inductive method*. Proceedings Book, 11th International Conference on Microwave and High Frequency Heating, Oradea, Romania, September, 3-6, **2007**, pp. **147-150**, ISBN 978-973-759-333-7.

https://www-scopus-com.am.e-nformation.ro/results/results.uri?cc=10&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=20&nls=count-f&sid=340053fc30475ced14e9976360acb96&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&ss=plf-f&ps=r-f&editSaveSearch=&origin=resultslist&zone=resultslist/

3.B.43. Leuca T., **Bandici Livia**, Molnar Carmen - *Aspects regarding the propagation of the high frequency electromagnetic field in the dielectric materials*. Proceedings Book, 11th International Conference on Microwave and High Frequency Heating, Oradea, Romania, September, 3-6, **2007**, pp. **79-82**, ISBN 978-973-759-333-7.

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-79956273236&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=20&nls=count-f&sid=340053fc30475ced14e9976360acb96&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=71&citeCnt=4&searchTerm=

3.B.44. Maghiar T., Leuca T., Molnar Carmen, **Bandici Livia** - *The Use of Finite Elements in Microwave Heating*. Progress in Electromagnetics Research Symposium 28 - 31.03.2004, Pisa - Italia, pp. **321-324**, ISBN 88-8492-268-2.

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-54249104134&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=69&citeCnt=0&searchTerm=

3.B.45. Leuca T., **Bandici Livia**, Molnar Carmen - *The Study of the drying Wood in a Microwave Field*. Progress in Electromagnetics Research Symposium 28 - 31.03.2004, Pisa - Italia, pp. **349 – 352**, ISBN 88-8492-268-2.

https://www-scopus-com.am.e-nformation.ro/record/display.uri?eid=2-s2.0-54249140113&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=countf&sid=ea7022c3d3e07b76080b4455298ac794&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=68&citeCnt=4&searchTerm=

C. Articole publicate în volume unor manifestări științifice naționale/internaționale neindexate în BDI:

3.C.1. Manolescu Mişu Jan, **Bandici Livia** - *Radioactive waste treatment in microwave field*. International Conference RSEE, Oradea - **1996**, pp. **129-132**, ISSN 1223-2106.

3.C.2. **Bandici Livia**, Blaga V., Curilă M., Popovici V. - *Traductoare de temperatură*. Analele Facultății de Mecanică Oradea - **1996**, pp. **305 – 310**, ISSN 1222-5553.

3.C.3. **Bandici Livia**, Blaga V., Curilă M., Popovici V.- *Traductoare Lambda*. Analele Facultății de Mecanică Oradea - **1996**, pp. **311 – 316**, ISSN 1222-5553.

3.C.4. Marcu D., Molnar Carmen, **Bandici Livia** - *Numerical modeling of a heating process that appears in purifying of the semiconductor materials*. Second International Conference on Renewable Sources and Environmental Electro-Technologies, Oradea - **1998**, pp. 73-77, ISSN 1223-2106.

3.C.5. Blaga V., **Bandici Livia** - *Sistemul presiune - regim sau presiune – viteză*. Revista de știință și dialog interdisciplinar - Aletheia - **1998**, pp. 181 – 183, ISSN 1221-4280.

3.C.6. Tonț D., Tomșe M., Țeț M., **Bandici Livia** – *Noi scheme echivalente ale tradusctorului Hall corespunzătoare matricei rezistență*. Buletinul sesiunii de comunicări științifice Brașov, 19 – 20.11.1998, pp. 26-31, ISSN 1453-0139.

3.C.7. Tonț D., Tomșe M., Țeț M., **Bandici Livia** – *Determinarea parametrilor generatorului Hall care descriu comportarea acestuia ca un cuadripol general într-o placă INSB de formă oarecare cu tensiune zero*. Buletinul sesiunii de comunicări științifice Brașov, 19 – 20.11.1998, pp. 32-37, ISSN 1453-0139.

3.C.8. Blaga V., **Bandici Livia**, Tonț D. – *Utilizarea ecuațiilor Laplacian pentru modelarea motoarelor cu ardere internă*. Revista de știință și dialog interdisciplinar. Aletheia – **1999**, pp. 183 – 187, ISSN 1221-4280.

3.C.9. Tonț D., Țeț M., **Bandici Livia** - *Senzori de gaze SnO₂, influența catalizatorului cu paladiu*. Revista de știință și dialog interdisciplinar. Aletheia, **1999**, Oradea - România, pp. 198 – 201, ISSN 1221-4280.

3.C.10. Țeț M., **Bandici Livia**, Tonț D., Moldovan L. - *Calculul analitic al cuplului activ la contoarele de inducție*. Revista de știință și dialog interdisciplinar, Aletheia, **1999**, pp. 207 – 210, ISSN 1221-4280.

3.C.11. Leuca T., Molnar Carmen, **Bandici Livia**, Nagy A. - *Dielectric materials properties. Behaviour in the microwave field*. 9th International IGTE Symposium on numerical Field Calculation in Electrical Engineering, September 11 – 14, **2000**, Graz, Austria, pp. 413-416.

3.C.12. **Bandici Livia**, Leuca T., Molnar Carmen - *The analyze of the electromagnetic field in a dielectric situated in a microwave field*. International Conference RSEE, Oradea – România, **2000**, pp. 54-58, ISSN 1223-2106.

3.C.13. Molnar Carmen, Leuca T., **Bandici Livia** - *Aspects about numerical modelling of microwave ovens*. International Conference RSEE, Oradea – România, **2000**, pp. 28-32, ISSN 1223-2106.

3.C.14. Molnar Carmen, T. Leuca, **Livia Bandici** - *The study of electrical and magnetical properties evolution of dielctrics and microwave fields*. Elektroenergetika, Vysoketatry – STARA LESNA 22-23.01.2001, pp. 195-198.

3.C.15. **Bandici Livia**, Leuca T., Molnar Carmen - *Dielectrics heating in microwave field*. Materials properties Elektroenergetika, Vysoketatry – STARA LESNA, 22-23.01.2001, pp. 199-202.

3.C.16. Bandici Livia, Hoble Dorel - *The numeric modelation on of the electromagnetic field in a paralelipipedic cavity*. XII-th International Symposium on Electrical Apparatus and Technologies 31 May-1June 2001, Plovdiv - Bulgaria, pp. 119 - 123.

3.C.17. Bandici Livia, Leuca T., Molnar Carmen - *The study of the electromagnetic field in a dielectric situated in a microwave field*. 6th International Conference on Engineering of Modern Electric sistem 24 - 26 mai, 2001, Oradea – România, pp. 7-12, ISSN 1223-2106.

3.C.18. Leuca T., Bandici Livia, Molnar Carmen - *The behaving of the dielectrics in the microwave field*. 6th International Conference on Engineering of Modern Electric sistem 24 - 26 mai, 2001, Oradea – România, pp. 244-248, ISSN 1223-2106.

3.C.19. Molnar Carmen, Leuca T., **Bandici Livia**, Nagy A. - *About evolution of dielectrics and microwave fields*. HIS – 01, Heating by Internal Sources, Padua – Italia, September 12-13-14, **2001, pag 357-364, ISBN 88-86281-64-1**.

3.C.20. Livia Bandici, T. Leuca, Carmen Molnar, Șt. Nagy - *Contributions to the numeric modelation on of the electromagnetic field in a paralelipipedic cavity*. HIS – 01, Heating by Internal Sources, Padua – Italia, September 12-13-14, **2001, pp. 371-376, ISBN 88-86281-64-1**.

3.C.21. Leuca T., **Bandici Livia**, Molnar Carmen, Nagy A. - *Contributions regarding the electric field computation in microwave owens. Applied electromagnetics mechanical systems*. The 3rd Japan Romania Joint Seminar on Applied Electromagnetics and Mechanical Systems 11-15 septembber, **2001, Felix Spa, Oradea - România, pp. 118-123**.

3.C.22. Leuca T., Bandici Livia, Molnar Carmen - *The numerical modeling of microwave heating problems*. The 27th Annual Congress of the American Romanian Academy of Arts and Sciences (ARA), 29.05 - 2.06.**2002, Oradea, pp. 720 –724, ISBN 2-553-01024-9**.

3.C.23. Bandici Livia, Leuca Teodor - *The distribution of the electromagnetic field at the heating in a microwave field*. 4th International conference on renewable sources and environmental electro-technologies 6-8 june, **2002 Felix Spa, Oradea - România, pp. 1-5, ISSN 1223-2106**.

3.C.24. Molnar Carmen, Leuca T., Bandici Livia – *The field distribution analysis in rectangular microwave heating applicators*. 4th International conference on renewable sources and environmental electro-technologies 6-8 june, **2002 Felix Spa, Oradea - România, pp. 78-81, ISSN 1223-2106**.

3.C.25. Leuca T., Bandici Livia, Molnar Carmen - *The processing of the dielectric materials in microwave instalations*. 4th International conference on renewable sources and environmental electro-technologies 6-8 june, 2002 Felix Spa, Oradea - România, **pp. 137-142, ISSN 1223-2106**.

3.C.26. D. Tonț, **Livia Bandici**, Gabriela Tonț – *Transient heat conduction in narrow and long axisymetric domain. Numerical solution by combination of FMD and BEM*. 4th International conference on renewable sources and environmental electro-technologies 6-8 june, **2002, Felix Spa, Oradea - România, pp. 189-194, ISSN 1223-2106**.

3.C.27. Tonț D., Tonț Gabriela, **Bandici Livia** – *About convective heat diffusion problems*. 4th International conference on renewable sources and environmental electro-technologies 6-8 june, **2002** Felix Spa, Oradea - România, **pp. 195-200**, ISSN 1223-2106.

3.C.28. Leuca T., **Bandici Livia**, Molnar Carmen - *The efficiency of modeling of the electromagnetic field for a dielectric situated in a microwave field*. 10th International IGTE Symposium on Numerical Field Calculation in Electrical Engineering, September 16 – 18.**2002**, Graz – Austria, **pp. 459 – 462**, ISBN – 3-901351-65-5.

3.C.29. **Bandici Livia**, Molnar Carmen - *Simulation of microwave field and power distribution in a cavity by tree-dimensional*. The 2nd International conference on electrical and power engineering., 14 – 15 November **2002**, Iași - România, **pp. 51-56**, ISSN 0258-9109.

3.C.30. Leuca T., Molnar Carmen, **Bandici Livia** - *The electromagnetic Field Distribution within Microwave Equipment*. ATEE – 27.11.**2002**, București –România, **pp. 45 – 49**, ISBN 973-652-674-7.

3.C.31. **Bandici Livia**, Leuca Teodor– *The study of the behaviour of wood in a microwave field*. 7th International Conference Engineering of Modern Electric System, 29-31 May **2003**, Oradea - România, **pp. 114 – 119**, ISSN 1223-2106.

3.C.32. Leuca T., Bandici Livia, Molnar Carmen - *Contributions at the modelling of the electromagnetic field in a multimode applicator*. 7th International Conference Engineering of Modern Electric System. 29-31 May **2003**, Oradea - România, **pp. 44-49**, ISSN 1223-2106.

3.C.33. Molnar Carmen, Bandici Livia – *The study of Electrical and Magnetical Properties Evolution of Dielectrics and Microwave Fields*. 7th International Conference Engineering of Modern Electric System, 29-31 May **2003**, Oradea - România, **pp. 189-192**, ISSN 1223-2106.

3.C.34. Molnar Carmen, **Bandici Livia**, Şoproni D.– *The heating in a Microwave of the Dielectric Materials*. 9th International Conference on Microwave and High Frequency Heating, 1st-5th September **2003**, Loughborough University, UK. **pp. 241-244**.

3.C.35. Leuca T., **Bandici Livia**, Molnar Carmen – *The numerical Modeling of the Electromagnetic Field with the Finite Element Method in a Parallelepipedical Cavity*. 48th Internationales Wissenschaftliches Kolloquium 22 – 25.09.**2003**, Ilmenau – Germania.

3.C.36. Leuca T., **Bandici Livia** - *The solving of the electromagnetic, thermal and mass problems, in the drying processes in the microwave field*. Revue Roumaine des Sciences Techniques. Séries Electrotechnique et énergétique. Editura Academiei Române, Bucarest, **2004**, 49, 3p., **pp. 197-201**, ISSN 0035-4066.

3.C.37. Leuca Teodor, **Bandici Livia** - *The optimisation of the electromagnetic field in a microwave applicator*. Revue Roumaine des Sciences Techniques. Séries Electrotechnique et énergétique. Editura Academiei Române Bucarest, Tom.50, nr.1, Bucarest, **2005**, **pp. 45-49**, ISSN 0035-4066.

3.C.38. Leuca T., **Bandici Livia**, Molnar Carmen, Maghiar Nicolina - *The modeling of the electromagnetic field in a dielectric situated in a microwave field*. 5th International

conference on renewable sources and environmental electro-technologies 27- 29 May **2004**, Oradea – România, **pp. 29-31**, ISSN 1223-2106.

3.C.39. Leuca T., Molnar Carmen, **Bandici Livia**, Maghiar Nicolina – *Simulation of Microwave Field in a Cavity by a Finite Element Method*. 5th International conference on renewable sources and environmental electro-technologies 27- 29 May **2004**, Oradea – România, **pp. 35-38**, ISSN 1223-2106.

3.C.40. Bandici Livia - *The study of the thermal field and mass problems at the drying in a microwave field*. 5th International conference on renewable sources and environmental electro-technologies 27- 29 May **2004**, Oradea – România, **pp. 102 – 104**, ISSN 1223-2106.

3.C.41. Bandici Livia - *The drying of wood in a microwave installations*. International Seminar on Heating by Electromagnetic Sources Junie **2004**, Padova, Italia **pp. 195 – 198**, ISBN 88-86281-92-7.

3.C.42. Maghiar T., Leuca T., Molnar Carmen, **Bandici Livia** - *Efficient electromagnetic methods in microwave heating processes*. International Seminar on Heating by Electromagnetic Sources 22 – 25 Junie **2004**, Padova, Italia **pp. 199 – 202**, ISBN 88-86281-92-7.

3.C.43. Leuca T., **Bandici Livia**, Molnar Carmen - *Solving Electromagnetic and Thermic Field Problems During Drying Processes Within a Microwave Field*. International Seminar on Heating by Electromagnetic Sources Junie **2004**, Padova, Italia **pp. 203 – 208**, ISBN 88-86281-92-7.

3.C.44. Leuca Teodor, **Bandici Livia**, Maghiar Niculina, Molnar Carmen - *The study of the electromagnetic field coupled with the thermal field in the drying processes in a microwave field*. 11th International IGTE Symposium on Numerical Field Calculation in Electrical Engineering, September 13 – 15. **2004**, Graz – Austria, **pp. 428-430**, ISBN 3-902465-07-7.

3.C.45. Bandici Livia, Molnar Carmen - *The study of thermal field and mass problems at the drying of wood in a microwave field*. 11th International IGTE Symposium on Numerical Field Calculation in Electrical Engineering, September 13 – 15. **2004**, Graz – Austria, **pp. 415-417**, ISBN 3-902465-07-7.

3.C.46. Leuca Teodor, **Bandici Livia**, Molnar Carmen - *The study of the electromagnetic field coupled with the thermal field and mass problems at the drying in a microwave field*. SNET '04 Simpozionul Național de Electrotehnică Teoretică, 22 – 23 Octombrie **2004**, București, UPB, ISBN 973-718-096-8.

3.C.47. Livia Bandici, Șt. Nagy – *The study of the Electromagnetic Field Coupled with the Thermal Field*. Academy of Technical Sciences of Romania. (Technical University of Cluj-Napoca), Vol. 45, number 6, **2004**, **pp. 646-649**, ISSN 1224-2497.

3.C.48. Bandici Livia, Leuca Teodor - *Contributions to the processing of the dielectric materials in a microwave field*. 8th International Conference Engineering of Modern Electric System, 26-30 May **2005**, Oradea - România, **pp.11-14**, ISSN 1223-2106.

3.C.49. Leuca Teodor, Lung Emilia, **Bandici Livia** - *New Ways of using Radiofrequency Electromagnetic Field Energy*. 8th International Conference Engineering of Modern Electric System, 26-30 May **2005**, Oradea - România, **pp. 88-89**, ISSN 1223-2106.

3.C.50. Leuca Teodor, Molnar Carmen, **Bandici Livia** – *Aspects Concerning the Phenomena of the Transfer of the Electromagnetic Field the Thermal Field and Mass in the Drying Process in a Microwave Field*. 8th International Conference Engineering of Modern Electric System, 26-30 May **2005**, Oradea - România, **pp.82-87**. ISSN 1223-2106.

3.C.51. Bandici Livia - *Aspects Regarding the Drying of Dielectric Materials in a Microwave Field*. 6th International conference on renewable sources and environmental electro-technologies 08-10 Iunie '06, Oradea – România, **pp.78-81**. Analele Universității din Oradea-Fascicula Electrotehnică-Sețiunea Inginerie Electrică – **Revista Categoria B**. ISSN 1841-7221.

3.C.52. Leuca Teodor, **Bandici Livia**, Lung Emilia, Stoichescu Ilie - *Considerations Regarding the Heating of Dielectric Materials in RF and Microwaves*. 6th International conference on renewable sources and environmental electro-technologies 08-10 Iunie '06, Oradea – România, **pp.99-101**. Analele Universității din Oradea-Fascicula Electrotehnică-Sețiunea Inginerie Electrică –**Revista Categoria B**. ISSN 1841-7221.

3.C.53. Bandici Livia, Leuca Teodor, Molnar Carmen, Lung Emilia, Stoichescu Ilie - *Methods of Processing Dielectric Materials in a Microwave Field*. 6th International conference on renewable sources and environmental electro-technologies 08-10 Iunie '06, Oradea – România, **pp. 82-84**. Analele Universității din Oradea-Fascicula Electrotehnică-Sețiunea Inginerie Electrică –**Revista Categoria B**. ISSN 1841-7221.

3.C.54. Molnar Carmen, Leuca Teodor, **Bandici Livia** - *The Drying Process of Leather into Microwave Field*. 6th International conference on renewable sources and environmental electro-technologies 08-10 Iunie '06, Oradea – România, **pp. 104-109**. Analele Universității din Oradea-Fascicula Electrotehnică-Sețiunea Inginerie Electrică –**Revista Categoria B**. ISSN 1841-7221.

3.C.55. Leuca Teodor, **Bandici Livia** - *The Analysis of the Electromagnetic Field in the Drying Processes in a Microwave Field*. ACTA Academy of Technical Sciences of Romania. (Technical University of Cluj-Napoca), **2006**, **pp.147-152**, ISSN 1841-3323.

3.C.56. Leuca Teodor, Molnar Carmen, **Bandici Livia** - *Modern Solutions Regarding the Leather Drying in the Microwaves Field*. ACTA Academy of Technical Sciences of Romania. (Technical University of Cluj-Napoca), **pp. 214-221**, Vol 49, number 2, **2008**, ISSN 1841-3323.

3.C.57. Bandici Livia, Molnar Carmen - *The Influence of the Electromagnetic Field on the Thermal Diffusion in Drying Processes in a Microwave Field*. 12th International IGTE Symposium on Numerical Field Calculation in Electrical Engineering, September 17–20.**2006**, Graz– Austria. **pp. 410 - 415**, ISBN 3-902465-07-7.

3.C.58. Molnar Carmen, **Bandici Livia**, - *The numerical Modelling of the Drying Process in a Microwave Field*. 12th International IGTE Symposium on Numerical Field Calculation in Electrical Engineering, September 17 – 20.**2006**, Graz– Austria. **pp. 446 - 449**, ISBN 3-902465-07-7.

3.C.59. Leuca Teodor, Molnar Carmen, **Bandici Livia** - *Aspects Regarding the Heating and Drying of Dielectric Materials Moving in a Microwave Field*. 12th International IGTE

Symposium on Numerical Field Calculation in Electrical Engineering, September 17 – 20.2006, Graz– Austria, **pp. 450 - 455**, ISBN 3-902465-07-7.

3.C.60. Vancea Codruța, Vancea F., **Bandici Livia** - *A scattering wave Problem for a Cylindrical Dielectric*. 12th International IGTE Symposium on Numerical Field Calculation in Electrical Engineering, September 17 – 20.2006, Graz– Austria. **pp. 400 - 405**, ISBN 3-902465-07-7.

3.C.61. Nagy St., Leuca T., Mich C., **Bandici Livia** –*The control of the solidification structures formation using the electromagnetic field*. 12th IGTE Symposium on Numerical Field Calculation in Electrical Engineering, September 17 – 20.2006, **pp. 416 – 421**, ISBN 3-902465-07-7.

3.C.62. Leuca Teodor, Spoială Dragoș, **Bandici Livia** - *Problems in the Drying Process in the RF Field*. 12th International IGTE Symposium on Numerical Field Calculation in Electrical Engineering, September 17 – 20.2006, Graz– Austria, **pp. 406-410**, ISBN 3-902465-07-7.

3.C.63. **Bandici Livia**, Leuca Teodor, Molnar Carmen, Stoichescu Ilie, Horge Ioan - *Aspects regarding the processing of the dielectric materials in a microwave field*. 9th International Conference Engineering of Modern Electric System, 24-26 May 2007, Oradea - România, **pp.65-68**. Analele Universității din Oradea-Fascicula Electrotehnică-Secțiunea Inginerie Electrică –**Revista Categoria B. ISSN 1223-2106**.

3.C.64. Leuca Teodor, **Bandici Livia**, Lung Emilia, Stoichescu Ilie, Horge Ioan - *Aspects regarding the transfer phenomenon of the electromagnetic field in microwave systems*. 9th International Conference Engineering of Modern Electric System, 24-26 May 2007, Oradea - România, **pp. 15-18**. Analele Universității din Oradea-Fascicula Electrotehnică-Secțiunea Inginerie Electrică –**Revista Categoria B. ISSN 1223-2106**.

3.C.65. Molnar Carmen, Leuca Teodor, **Bandici Livia** – *Aspects Regarding the Drying Process of Dielectrics Materials in the Microwave Field*. 9th International Conference Engineering of Modern Electric System, 24-26 May 2007, Oradea - România, **pp. 105-110**. Analele Universității din Oradea-Fascicula Electrotehnică-Secțiunea Inginerie Electrică –**Revista Categoria B. ISSN 1223-2106**.

3.C.66. Silaghi M., Turcin V., Pencioiu P., Vasiliu M., Hăntilă F.I., **Bandici Livia** – *The Use of an Applicator-pipe at the Pasteurization of Milk in Continuous Tide*. 9th International Conference Engineering of Modern Electric System, 24-26 May 2007, Oradea - România, **pp.127-128**. Analele Universității din Oradea-Fascicula Electrotehnică-Secțiunea Inginerie Electrică –**Revista Categoria B. ISSN 1223-2106**.

3.C.67. Leuca T., **Bandici Livia**, Stoichescu Ilie, Sebeșan Radu - *Criteria regarding the optimization of the processing of dielectric materials in a microwave field*. HES – 07 International Seminar on Heating by Electromagnetic Sources Junie 2007, Padova, Italia, **pp. 387 – 392**, ISBN 88-89884-07-X. <http://www.die.unipd.it/dipartimento/eventi/storico/hes07/programme.pdf>

3.C.68. **Bandici Livia**, Molnar Carmen - *Aspects regarding the transfer phenomenon of the electromagnetic field, thermal field and mass in the microwave systems*. HES – 07

International Seminar on Heating by Electromagnetic Sources Junie 2007, Padova, Italia **pp. 393 – 398**, ISBN 88-89884-07-X.

3.C.69. Leuca T., Bandici Livia, Molnar Carmen - *Aspects regarding the propagation of the high frequency electromagnetic field in the dielectric materials*. 11th International Conference on Microwave and High Frequency Heating, Oradea, Romania, September, 3-6, 2007, **pp. 79-82**, ISBN 978-973-759-333-7.

3.C.70. Molnar Carmen, Leuca Teodor, **Bandici Livia**, Şoproni Darie– *Aspecte privind procesarea materialelor dielectrice în câmp de microunde*. National Symposium of Theoretical Electrical Engineering SNET'07 12-14 oct. 2007, **pp. 342-347**.

3.C.71. Bandici Livia, Leuca Teodor, Molnar Carmen – *Influenţa câmpului electromagnetic în procesele de uscare a materialelor dielectrice în câmp de microunde*. National Symposium of Theoretical Electrical Engineering SNET'07 12-14 oct. 2007, **pp. 353-358**.

3.C.72. Bandici Livia, Leuca Teodor, Györodi Cornelia - *Researches Regarding the Transfer Phenomenon of the Electromagnetic field in the Systems*. 13th IGTE Symposium on Numerical Field Calculation in Electrical Engineering, September 22 – 24, 2008, **pp. 379-382**, ISBN 978-3-85125-032-9.

3.C.73. Bandici Livia - *The Influence of the High Frequency Electromagnetic Field on the Processing of Forest Fruits*. 13th IGTE Symposium on Numerical Field Calculation in Electrical Engineering, September 22 – 24.2008, **pp.375-378**, ISBN 978-3-85125-032-9.

3.C.74. Györödi Robert, Györödi Cornelia, Pecherle George, **Bandici Livia** - *Secure Data Wiping Using the ISAAC CSPRNG*. 13th IGTE Symposium on Numerical Field Calculation in Electrical Engineering, September 22 – 24.2008, **pp.278-281**, ISBN 978-3-85125-032-9.

3.C.75. Şoproni Vasile D., Hathazi F.I., Molnar Carmen O., Arion M., **Bandici Livia** - *Analysis Regarding the Technical Aspects that Appear during Drying, Disinfection and Decontamination in High Frequency Field for Agricultural Seeds*. ACTA Electrotehnica, Academy of Technical Sciences of Romania, Technical University of Cluj-Napoca, Editura Mediamira Science Publisher, 2008, **pp.408-412**, ISSN 1841-3323. **Revistă categoria B⁺**.

3.C.76. Şoproni Vasile D., Hathazi F.I., Molnar Carmen O. M., Pantea M. Arion, **Bandici Livia** - *Principle and Models of Electromagnetic Fields Distribution in Microwave Oven Loads*. Scientific Buletin of Electrical Engineering Faculty, Valahia University of Târgoviste, No.1, 2008, **pp.41-44**, ISSN 1843-6188.

3.C.77.. Leuca Teodor, Molnar Carmen, **Bandici Livia** - *Modern Solutions Regarding the Leather Drying in the Microwaves Field*. ACTA Academy of Technical Sciences of Romania. (Tehcnical University of Cluj-Napoca), Vol 49, number 2, 2008, **pp. 214-221**, ISSN 1841-3323.

3.C.78. Şoproni D.V., Maghiar T., Molnar Carmen, Hathazi I., **Bandici Livia**, Arion M., Krausz A. – *Study of electromagnetic Properties of the Agricultural Products*. Journal of Electrical and Electronics Engineering, Oradea, 2008, **pp.130-133**. ISSN 1841-7221.

3.C.79. Bandici Livia – *Contributions Regarding the Processing of Dielectric Materials in a Microwave Field*. Nonconventional Technologies Review. Editura Politehnica Timișoara - no.4, 2009, **pp.16-21**.

3.C.80. Bandici Livia, Palade P., Leuca T., Gyrody C. - *Aspects regarding the processing of forest fruits in a microwave field*. HES-10 Padua, May 18-21, **2010**, International Symposium on Heating by Electromagnetic Sources, **pp. 293-298**. ISBN 88-86281-92-7.

3.C.81. Leuca,T. Spoială D., **Bandici Livia**, Palade P., Stoichescu I. - *Aspects regarding the processing of some semi-manufactured goods from the industry of wood processing in a RF field*. HES-10 Padua, May 18-21, **2010**, International Symposium on Heating by Electromagnetic Sources, **pp. 615-620**. ISBN 88-86281-92-7.

3.C.82. Leuca T., Palade P.A., **Bandici Livia**, Cheregi G., Hantila I., Stoichescu I. - *Using hybrid FEM-BEM method for radiofrequency drying analysis of moving charges*. 14th International IGTE Symposium, Graz, Austria, **2010/9/19**, ISBN 3851251334, 9783851251333.

3.C.83. Bandici Gheorghe Emil, Vicaș Simona, **Bandici Livia**, Teușdea Alin, Popa Dorin - *The influence of the high frequency electromagnetic field on the organoleptic properties of wine*. Analele Universității din Oradea, Fascicula: Protecția Mediului, **2015**, Vol. 25, **pp. 103-110**.

3.C.84. Teusdea Alin C., **Bandici Livia**, Bandici Gheorghe E., Vicas Simona I. - *The Effect of Pulsed Electric Field and Wine Aging on Total Phenol Content and Colour of Red wines*. Scien. Tech. Bull-Chem. Food Sci. Eng., Arad, Vol. 14(XV), **2017**, 1, **pp. 38-44**.

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