

**Universitatea Națională de Știință și Tehnologie Politehnica București**

Facultatea: **Inginerie Electrică**

Departamentul: **Electrotehnică**

Nume Prenume: **Stănculescu Marilena**

Gradul didactic: **Prof. Abil. dr. ing.**

## **L I S T A**

### **lucrărilor științifice în domeniul disciplinelor din postul didactic**

#### **A. Teza de doctorat**

**Marilena Stănculescu** - *Contribuții la recunoașterea formelor defectelor în defectoscopia magnetică nedistructivă* – Universitatea „Politehnica” din București, Catedra de Electrotehnică, 150 pagini - Conducător științific prof. dr. ing. Ioan Florea Hăntilă.

#### **B. Cărți și capitole în cărți publicate în ultimii 10 ani**

**Ca – Cărți / cursuri (manuale) pentru uzul studenților, publicate în edituri recunoscute.**

**Ca1.** Emil Cazacu, **Marilena Stănculescu**, Sorin Deleanu, *Advanced electric circuits – selected topics*, Publisher: MATRIX ROM, Bucharest, Romania, 2021 (**160 pagini**), SBN: 978-6+C2406-25-0700-8.

**Cb - Cărți de specialitate publicate în edituri recunoscute (autor, coautor, editor).**

**Cb1.** **Marilena STĂNCULESCU**, Răzvan ASANACHE, Lavinia BOBARU, Sorin DELEANU, Dragoș NICULAE, Georgiana REZMERIȚĂ, coordonator Mihai IORDACHE, *Analiza circuitelor analogice utilizând parametrii S și diagrama Smith*, Editura MATRIX ROM, 2022, (**280 pagini**) ISBN: 978-606-25-0771-8.

**Cb2.** **Marilena Stanculescu**, Lavinia Iordache Bobaru, Dragoș Niculae, coordonator Mihai Iordache, *Sisteme de transfer wireless al energiei electromagnetice*, January 2021, Publisher: MATRIX ROM, Bucharest, Romania, 2021, (**144 pagini**), ISBN: ISBN 978 – 606 – 25 – 0623 - 0,621.3.

#### **I. ALTE MATERIALE PUBLICATE (I, D)**

**I - Culegeri și Îndrumare publicate (separate în edituri cu ISBN și în tipografiile locale/de instituții sau de uz intern)**

**I1.** **Marilena Stanculescu**, Emil Cazacu, Sorin Deleanu, *Fundamentals of Electric circuits*, Editura Matrix Rom, Septembrie 2020, (**150 pagini**), ISBN 978-606-250-5837.

**I2.** Dragoș Niculae, Lavinia Bobaru, **Marilena Stănculescu**, Victor Bucată, Mihai Iordache, Steliana Pușcașu, *Îndrumar de seminar. Teoria circuitelor electrice Curent continuu, curent alternativ*, Editura Printech, București, 2020, ISBN 978-606-23-1066-0, (**109 pagini**), (cod CNCIS 54).

**D - Alte lucrări publicate: capitole publicate în volume colective, capitole teoretice redactate, sisteme de laborator funcționale etc.**

- 1 Andrei H., Micu D.D., Gaiceanu M., **Stanculescu M.**, Andrei P.C. (2021) *Advanced Numerical Methods for Equations, Systems Equations and Optimization*. In: Mahdavi Tabatabaei N., Bizon N. (eds) Numerical Methods for Energy Applications. Power Systems. Springer, Cham. [https://doi.org/10.1007/978-3-030-62191-9\\_1](https://doi.org/10.1007/978-3-030-62191-9_1), pp. 3-35 (**33 pagini**), indexat **SCOPUS**.
- 2 **Stanculescu M.**, Deleanu S., Andrei P.C., Andrei H., Bobaru L., Iordache M. (2021) *Theoretical Approaches of Finite Elements Method (FEM)*. In: Mahdavi Tabatabaei N., Bizon N. (eds) Numerical Methods for Energy Applications. Power Systems. Springer, Cham. [https://doi.org/10.1007/978-3-030-62191-9\\_3](https://doi.org/10.1007/978-3-030-62191-9_3), pp. 61-92(**32 pagini**), indexat **SCOPUS**.
- 3 Andrei Ceclan, Dan D. Micu, Levente Czumbil, Horia Andrei, Marian Gaiceanu, **Marilena Stanculescu**, Paul Cristian Andrei. (2021) *Ill-Posed Inverse Problems in Electrical Engineering Applications*. In: Mahdavi Tabatabaei N., Bizon N. (eds) Numerical Methods for Energy Applications. Power Systems. Springer, Cham. [https://doi.org/10.1007/978-3-030-62191-9\\_9](https://doi.org/10.1007/978-3-030-62191-9_9), pp. 235-258 (**24 pagini**), indexat **SCOPUS**.
- 4 Bobaru L., Iordache M., **Stanculescu M.**, Niculae D., Deleanu S. (2021) *Optimization Methods for Wireless Power Transfer*. In: Mahdavi Tabatabaei N., Bizon N. (eds) Numerical Methods for Energy Applications. Power Systems. Springer, Cham. [https://doi.org/10.1007/978-3-030-62191-9\\_20](https://doi.org/10.1007/978-3-030-62191-9_20), pp.513-543 (**31 pagini**), indexat **SCOPUS**.
- 5 **Stanculescu M.**, Andrei P.C., Andrei H., Deleanu S., Bobaru L. (2021) *Numerical Assessment of Electromagnetic Energy and Forces in Non-destructive Measurement Devices*. In: Mahdavi Tabatabaei N., Bizon N. (eds) Numerical Methods for Energy Applications. Power Systems. Springer, Cham. [https://doi.org/10.1007/978-3-030-62191-9\\_21](https://doi.org/10.1007/978-3-030-62191-9_21), pp. 554-577 (**24 pagini**), indexat **SCOPUS**.
- 6 Deleanu S., **Stanculescu M.**, Niculae D., Andrei P.C., Bobaru L., Andrei H. (2021) *Optimal Integration of Electric Vehicles in Smart Grid Energy Flow*. In: Mahdavi Tabatabaei N., Bizon N. (eds) Numerical Methods for Energy Applications. Power Systems. Springer, Cham. [https://doi.org/10.1007/978-3-030-62191-9\\_22](https://doi.org/10.1007/978-3-030-62191-9_22), pp.579-619 (**41 pagini**), indexat **SCOPUS**.
- 7 Andrei H., Iordache M., Andrei P.C., **Stanculescu M.**, Deleanu S., Bobaru L. (2021) *Power and Energy Flow in Cvasi-Stationary Electric and Magnetic Circuits*. In: Mahdavi Tabatabaei N., Bizon N. (eds) Numerical Methods for Energy Applications. Power Systems. Springer, Cham. [https://doi.org/10.1007/978-3-030-62191-9\\_24](https://doi.org/10.1007/978-3-030-62191-9_24), [pp.649-678 \(30 pagini\)](#), indexat **SCOPUS**.
- 8 Andrei H., Gaiceanu M., **Stanculescu M.**, Andrei P.C., Buhosu R., Badea C.A. (2020) *Energy Storage Systems in Microgrid*. In: Mahdavi Tabatabaei N., Kabalci E., Bizon N. (eds) Microgrid Architectures, Control and Protection Methods. Power Systems. Springer, Cham. [https://doi.org/10.1007/978-3-030-23723-3\\_8](https://doi.org/10.1007/978-3-030-23723-3_8), pp.177-207 (**31 pagini**), 2020, **SCOPUS**.
- 9 Andrei H., Gaiceanu M., **Stanculescu M.**, Marinescu I., Andrei P.C. (2020) *Microgrid Protection*. In: Mahdavi Tabatabaei N., Kabalci E., Bizon N. (eds) Microgrid Architectures, Control and Protection Methods. Power Systems. Springer, Cham. [https://doi.org/10.1007/978-3-030-23723-3\\_25](https://doi.org/10.1007/978-3-030-23723-3_25) (**27 pagini**), 2020, **SCOPUS**.
- 10 Gaiceanu M., **Stanculescu M.**, Andrei P.C., Solcanu V., Gaiceanu T., Andrei H. (2020) *Intrusion Detection on ICS and SCADA Networks*. In: Pricop E., Fattahi J., Dutta N., Ibrahim M. (eds) Recent Developments on Industrial Control Systems Resilience. Studies in Systems, Decision and Control, vol 255. Springer, Cham. [https://doi.org/10.1007/978-3-030-31328-9\\_10](https://doi.org/10.1007/978-3-030-31328-9_10), pp 197-262 (**65 pagini**), 2020, indexat **SCOPUS**.
- 11 Andrei H., Gaiceanu M., **Stanculescu M.**, Marinescu I., Andrei P.C. (2020) *Security Evaluation of Sensor Networks*. In: Pricop E., Fattahi J., Dutta N., Ibrahim M. (eds) Recent Developments on Industrial Control Systems Resilience. Studies in Systems, Decision and Control, vol 255. Springer, Cham. [https://doi.org/10.1007/978-3-030-31328-9\\_11](https://doi.org/10.1007/978-3-030-31328-9_11), pp. 263-282 (**19 pagini**), 2020, indexat **SCOPUS**.
- 12 Andrei H., Gaiceanu M., **Stanculescu M.**, Arama I.N., Andrei P.C. (2019) *Power Systems Connectivity and Resiliency*. In: Mahdavi Tabatabaei N., Najafi Ravadanegh S., Bizon N. (eds) Power Systems

Resilience. Power Systems. Springer, Cham, [https://doi.org/10.1007/978-3-319-94442-5\\_2](https://doi.org/10.1007/978-3-319-94442-5_2), Print ISBN 978-3-319-94441-8, Online ISBN 978-3-19-94442-5, eBook Packages Energy, pp. 45-79 (**35 pagini**), **WOS:000456874500004**, indexata **SCOPUS**.

- 13** Andrei H., Andrei P.C., Gaiceanu M., **Stanculescu M.**, Arama I.N., Marinescu I. (2019) *Power Systems Recovery and Restoration Encounter with Natural Disaster and Deliberate Attacks*. In: Mahdavi Tabatabaei N., Najafi Ravadanegh S., Bizon N. (eds) *Power Systems Resilience*. Power Systems. Springer, Cham, [https://doi.org/10.1007/978-3-319-94442-5\\_10](https://doi.org/10.1007/978-3-319-94442-5_10), Print ISBN 978-3-319-94441-8, Online ISBN 978-3-19-94442-5, eBook Packages Energy, pp. 247-287 (**40 pagini**), **WOS:000456874500012**, indexata **SCOPUS**.
- 14** Mihai Iordache, Lucia Dumitriu, Dragos Niculae, **Marilena Stanculescu**, Victor Bucată, Georgiana Rezmerită, Chapter “*Circuit Analyses with Nullors*”, Lecture Notes in Electrical Engineering 479, In book *Pathological Elements in Analog Circuit Design*, Editors Mourad Fakhfakh, Marian Pierzchala, March 2018, Springer International Publishing AG, part of Springer Nature 2018, Electronic ISBN 978-3-319-75157-3, Print ISBN: 978-3-319-75156-6, DOI: 10.1007/978-3-319-75157-3\_4, pp. 91-147 (**57 pagini**), **WOS:000441385600006**, indexata **SCOPUS**.
- 15** Andrei H., Andrei P.C., Constantinescu L.M., Beloiu R., Cazacu E., **Stanculescu M.** (2017) *Electrical Power Systems*. In: Mahdavi Tabatabaei N., Jafari Aghbolaghi A., Bizon N., Blaabjerg F. (eds) *Reactive Power Control in AC Power Systems. Power Systems*. Springer, Cham, 2017, DOI: [https://doi.org/10.1007/978-3-319-51118-4\\_1](https://doi.org/10.1007/978-3-319-51118-4_1), **WOS:000418032900003**, Online ISBN 978-3-319-51118-4, Print ISBN 978-3-319-51117-7, pp. 3-47 (**44 pagini**), indexata **SCOPUS**.
- 16** Andrei H., Andrei P.C., Cazacu E., **Stanculescu M.** (2017) *Fundamentals of Reactive Power in AC Power Systems*. In: Mahdavi Tabatabaei N., Jafari Aghbolaghi A., Bizon N., Blaabjerg F. (eds) *Reactive Power Control in AC Power Systems. Power Systems*. Springer, Cham, 2017, pp. 49-115, DOI: 10.1007/978-3-319-51118-4\_2, **WOS:000418032900004**, Online ISBN 978-3-319-51118-4, Print ISBN:978-3-319-51118-4; 978-3-319-51117-7, pp. 49-115 (**67 pagini**), indexata **SCOPUS**.

## C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

### Ris - Reviste de specialitate de circulație internațională indexate ISI/BDI

- Ris 1.** Tufan, C., Nemoianu, I. V., Maricar, M., **Stanculescu, M.**, & Marin, M. E. (2022), *Efficient Method Of Harmonic Analysis Of Three-Phase Circuits With Nonlinear Controlled Switching Elements*. *Revue Roumaine Des Sciences Techniques Serie Electrotechnique Et Energetique*, 67(1), 47-54. Pagini: 47-54 (**8 pagini**) Published: JAN-MAR 2022, **WOS:000820490200002**, **IF=0.443**.
- Ris 2.** Andrei, P., **Stanculescu, M.**, Deleanu, S., Cazacu, E., Gaiceanu, M., Micu, D., & Andrei, H. (2022). *Engineering Applications For Electromagnetically-Mechanical Fields*. *International Journal on Technical and Physical Problems of Engineering*, 14(2), 200-215 (**16 pagini**), indexata **SCOPUS**.
- Ris 3.** Mladenov, V., Chobanov, V., Seritan, G.C., Porumb R.F., Enache B.A., Vita V., **Stanculescu Marilena**, Van T.V., Bargiotas D., *A Flexibility Market Platform for Electricity System Operators Using Blockchain Technology*, *ENERGIES*, Volume: 15 Issue: 2 Article Number: 539, (**26 pagini**), DOI: 10.3390/en15020539 Published: JAN 2022, Accession Number: **WOS:000759106800001**, **IF=3.252**.
- Ris 4.** Andrei, P.C. , **Stanculescu Marilena**, Andrei, H., Caciula, I., Diaconu, E., Bizon N., Mazare A.G., Ionescu L.M., Gaiceanu, M., *Comparative and Predictive Analysis of Electrical Consumption during Pre- and Pandemic Periods: Case Study for Romanian Universities*, Source: *SUSTAINABILITY*, Volume: 14 Issue: 18 Article Number: 11346 DOI: 10.3390/su141811346

Published: SEP 2022, (**22 pagini**), Accession Number: **WOS:000856632500001**, eISSN: 2071-1050, **IF=3.889**.

- Ris 5.** Raicu Costel-Ciprian, Seritan George-Calin, Enache Bogdan-Adrian **Stanculescu Marilena**, *Development Approach Model for Automotive Headlights with Mixed Delivery Methodologies over APQP Backbone*, Volume11, Issue22, Article Number10581, DOI10.3390/app112210581, Published NOV 2021, Indexed2021-12-10, Document Type Article, **WOS:000725460900001**, eISSN 2076-3417, (**12 pagini**, )Journal Information APPLIED SCIENCES-BASEL, **IF=2.021**.
- Ris 6.** Niculae Dragos Marin, **Stanculescu Marilena**, Deleanu Sorin, Iordache Mihai, Bobaru, Lavinia, *Wireless Power Transfer Systems Optimization Using Multiple Magnetic Couplings*, Volume 10, Issue20, Article Number2463, DOI10.3390/electronics10202463 Published OCT 2021, Indexed2021-11-13, Document Type Article, (**15 pagini**), **WOS:000715322800001**, eISSN 2079-9292. Journal information Electronics, **IF=2.69**.
- Ris 7.** **Stanculescu Marilena**, Deleanu Sorin, Andrei Paul, Andrei Horia, *A Case Study of an Industrial Power Plant under Cyberattack: Simulation and Analysis*, Volume14, Issue9, Article Number2568, DOI10.3390/en14092568, Published MAY 2021, Indexed 2021-06-04, (**20 pagini**), Document Type Article, **WOS:000650158300001**, eISSN 1996-1073, Journal information Energies, **IF=3.252**.
- Ris 8.** Ioan Florea Hantila, Mihai Maricararu, **Marilena Stanculescu**, George Marian Vasilescu, *Method For Analyzing Three-Phase Networks With Nonlinear Resistive Elements*, Revue Roumaine Des Sciences Techniques-Serie Electrotechnique Et Energetique Volume: 64 Issue: 2, Pagini: 103-106 (**4 pagini**), Published: APR-JUN 2019, Accession Number: **WOS:000479328200001**, ISSN: 0035-4066, **IF=0.443**.
- Ris 9.** **Marilena Stanculescu**, Mihai Iordache, Dragos Niculae, Lavinia Bobaru, Victor Bucata, *Algorithm For Computing S Parameters And Their Use For Studying Efficiency Of Electromagnetic Energy Wireless Transfer Systems*, Revue Roumaine Des Sciences Techniques-Serie Electrotechnique Et Energetique, Volume: 63, Issue: 2, Pagini: 138-144 (**6 pagini**), Published: APR-JUN 2018, **IF=0.76** (2017), Q3 category, Accession Number: **WOS:000438662400005**, ISSN: 0035-4066, indexata SCOPUS.
- Ris 10.** Paul Cristian Andrei, Mihai Maricararu, Stelian Marinescu, **Marilena Stanculescu**, Ioan Florea Hăntilă, *An Efficient Procedure To Assess The Static Magnetization Relationship*, Revue Roumaine Des Sciences Techniques-Serie Electrotechnique Et Energetique, Vol. 61, Issue 2, pp. 101-105 (**4 pagini**), Apr-Jun 2016, ISI Thomson Reuters **WOS:000381238000001** , ISSN: 0035-4066, **IF = 0.443**, indexata SCOPUS.
- Ris 11.** M. Maricararu, **Marilena Stanculescu**, V. Minculete, I.F. Hăntilă, *Solidification Surface Speed Control Of Ferromagnetic Pieces Using Eddy Current Beating*, Revue Roumaine Des Sciences Techniques-Serie Electrotechnique Et Energetique Volume: 57 Issue: 4 Pagini: 351-360 (**10 pagini**) Published: OCT-DEC 2012, ISI Thomson Reuters **WOS:000313936100003**, ISSN: 0035-4066, **IF = 0.4436**, indexata SCOPUS.
- Ris 12.** **Marilena STĂNCULESCU**, M. Maricararu, I.F.Hăntilă, S. Marinescu, Livia Bandici, *An Iterative Finite Element - Boundary Element Method For Efficient Magnetic Field Computation In Transformers*, Revue Roumaine Des Sciences Techniques-Serie Electrotechnique Et Energetique, Volume: 56 Issue: 3, Pagini: 267-276 (**10 pagini**), Published: JUL-SEP 2011, ISI Thomson Reuters **WOS:000298453900003**, ISSN: 0035-4066, **IF = 0.443**, indexata SCOPUS.
- Ris 13.** Valer Giurgiu, Ioan Florea Hantila, Mihai Maricararu, **Marilena Stanculescu**, *The Numerical Calculation of HV Fuses Pre-Arcing Time in the Case of Transversal Adiabatic Process*, In Applied Electromagnetic Engineering for Magnetic, Superconducting and Nanomaterials, Editors: Mamalis, A. G. and Enokizono, M. and Kladas, A, January 2011 Materials Science Forum 670:526-534, DOI: 10.4028/www.scientific.net/MSF.670.526, 2011, (**9 pagini**), ISI Thomson Reuters **WOS:000296800600063**, **IF=0.399**, indexata SCOPUS.

- Ris 14.** Lavinia Maria Bobaru, **Marilena Stănculescu**, D. Niculae, M. Iordache, *On Magnetically Coupled Coils Parameter Calculation*, The Scientific Bulletin of Electrical Engineering Faculty, Volume 20: Issue 1, DOI: 10.2478/SBEEF-2020-0102, (4 pagini), ISSN 2286-2455, CNCSIS Category B+, **CNCSIS Code 830**, Index **Copernicus**, **EBSCO**.
- Ris 15.** Mihai Iordache, Victor Bucată, Dragoș Niculae, **Marilena Stănculescu**, Maria - Lavinia Bobaru, *Design of Wireless Electromagnetic Energy Transfer Systems*, Annals of the University of Craiova, Electrical Engineering series, No. 42, Issue 1, 2018; ISSN 1842-4805, pp. 15 – 20 (6 pagini), Revista **CNCSIS B+ journal**, indexata **Copernicus**.
- Ris 16.** Dragoș Niculae, **Marilena Stănculescu**, Mihai Iordache and Maria - Lavinia Bobaru, *An Analysis on Efficiency of Wireless Transfer Energy Due to a Misalignment of Two Coils*, Annals of the University of Craiova, Electrical Engineering series, No. 42, Issue 1, 2018; ISSN 1842-4805, pp. 21 – 25 (5 pagini), Revista **CNCSIS B+ journal**, indexata **Copernicus**.
- Ris 17.** **Marilena Stănculescu**, Lavinia Bobaru, Mihai Iordache, Dragoș Niculae and Victor Bucată, *Wireless Power Transfer Analysis Using Scattering Parameters*, Annals of the University of Craiova, Electrical Engineering series, No. 42, Issue 1, 2018; ISSN 1842-4805, pp. 26 – 31 (6 pagini), **Revista CNCSIS B+ journal**, indexata **Copernicus**.
- Ris 18.** Oana Drosu, **Marilena Stănculescu**, *Cardiac Stimulation Through Induced Currents*, The Scientific Bulletin of Electrical Engineering Faculty – SBEEF 17 (2017), no. 2, 25-29 (4 pagini), **CNCSIS Category B+**, **CNCSIS Code 830**, DOI: 10.1515/sbeef-2017-0006, indexata **Copernicus**.
- Ris 19.** Emil Cazacu, **Marilena Stanculescu**, Horia Andrei, *On the correction of the power factor in modern low-voltage power electrical installations*, The Scientific Bulletin of Electrical Engineering Faculty - SBEEF, volume 17, Issue 2, oct. 2017 pp. 10-15 (6 pagini), **CNCSIS Category B+**, **CNCSIS Code 830**, DOI: 10.1515/sbeef-2017-0003, indexata Index **Copernicus**, **EBSCO**.
- Ris 20.** Mihai Iordache, George Andronescu, Victor Bucată, Maria-Lavinia Iordache (Bobaru), **Marilena Stănculescu**, Dragoș Niculae, *Design and Simulation of Wireless Power, Transfer Systems*, Annals of the University of Craiova, electrical Engineering Series, no. 40, 2016, (4 pagini) ISSN 1842-4805, **CNCSIS B+**, indexata **Copernicus**.
- Ris 21.** **Marilena Stanculescu**, Mihai Iordache, Dragos Niculae, Lavinia Iordache Bobaru, Victor Bucata, *S Parameter Computation and Their Use for Electromagnetic Energy Wireless Transmission*, International Journal of Computers & Technology, Volume 15, Number 9, ISSN 2277-3061, September 2016, (13 pagini) DOI: 10.24297/ijct.v15i9.654, indexata **Copernicus**.
- Ris 22.** O. Drosu, **M. Stănculescu**, *Review on Electromagnetic Stimulation of Alive Tissues*, The Scientific Bulletin of Electrical Engineering Faculty - SBEEF 4 pagini, DOI:10.1515/sbeef-2016-0014), <https://www.researchgate.net/publication/309688602>, Jan 2016, indexata Index **Copernicus**, **EBSCO**

**Vis - Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate, indexate ISI Thomson Reuters sau indexate in alte BDI.**

- Vis.1** S. Deleanu, G. Ng, M. Iordache, N. Galan, **M. Stănculescu** and E. Cazacu, "Operation analysis of a three-phase induction motor with deep rotor bars and variable parameters," 2022 *International Conference and Exposition on Electrical And Power Engineering (EPE)*, 2022, pp. 161-166 (6 pages), doi: 10.1109/EPE56121.2022.9959822, indexata IEEE.
- Vis.2** M. Iordache, **M. Stănculescu**, D. Niculae, L. Bobaru, S. Deleanu and O. Drosu, "Wireless Power Transfer Systems Optimization," 2022 *International Conference and Exposition on Electrical And Power Engineering (EPE)*, 2022, pp. 130-134 (5 pages), doi: 10.1109/EPE56121.2022.9959759, indexata IEEE.
- Vis.3** Iordache Mihai, **Stanculescu Marilena**, Bobaru Lavinia, Niculae Dragos, Deleanu Sorin, *Integrated Analog Circuits Analysis Using Companion Models*, 12TH International Symposium On Advanced Topics In Electrical Engineering (ATEE),

DOI10.1109/ATEE52255.2021.9425230, Published 2021, Indexed 2021-08-21, Document Type Proceedings Paper, (6 pagini), WOS:000676164800099, ISBN978-1-6654-1878-2, ISSN 1843-8571, indexata **IEEE**.

- Vis.4** Saracin Cristina Gabriela, **Stanculescu Marilena**, *Online Student Testing Solutions - A Case Study*, 2021 12TH International Symposium On Advanced Topics In Electrical Engineering (ATEE), DOI10.1109/ATEE52255.2021.9425204, Published 2021, Indexed 2021-08-21, Document Type Proceedings Paper, (4 pagini), WOS:000676164800085, ISBN978-1-6654-1878-2, ISSN 1843-8571, indexata **IEEE**.
- Vis.5** Horia Andrei, Emil Diaconu, Andrei Gheorghe, Nicu Bizon, Alin Mazare, Laurentiu Ionescu, **Marilena Stanculescu**, Radu Porumb, George Seritan, *"Energy Consumption, Pandemic Period and Online Academic Education: Case Studies in Romanian Universities,"* 2021 7th International Symposium on Electrical and Electronics Engineering (ISEEE), 2021, pp. 1-6 (6 pagini), doi: 10.1109/ISEEE53383.2021.9628793, Publisher **IEEE**.
- Vis.6** B. Leu, B. -A. Enache, F. -C. Argatu and **M. Stanculescu**, "A Survey of Condition Monitoring Systems Operation in Romanian Transmission Substations," 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 2021, pp. 470-475 (6 pagini), doi: 10.1109/SIELMEN53755.2021.9600439, Publisher **IEEE**.
- Vis.7** Mahmud, S. Wanat, S. Deleanu, M. Stanculescu, E. Cazacu and O. Drosu, "Small-Scale Substation Model-From Design to Implementation," 2021 9th International Conference on Modern Power Systems (MPS), 2021, pp. 1-10 (10 pagini), doi: 10.1109/MPS52805.2021.9492700, Publisher **IEEE**.
- Vis.8** Adochiei, S. Patlagica, D.I. Voiculescu, **M. Stanculescu**, O. Drosu, V. Vita, *Virtual Reality Assisted Hand Rehabilitation through the Use of a Smart Glove*, 2019 E-Health and Bioengineering Conference (EHB), 21-23 Nov. 2019, Iasi,+B62:B66 Romania, (4 pagini), Publisher: **IEEE**, DOI: 10.1109/EHB47216.2019.8969903, Electronic ISBN: 978-1-7281-2603-6, USB ISBN: 978-1-7281-2602-9, WOS:000558648300035.
- Vis.9** O. Drosu, **M. Stanculescu**, A. Tanasoiu, D.I. Voiculescu, G.G. Petroiu-Andruseac, S. Gkanatsios, *Robotic Orthosis for Recovery of People with Different Trauma*, 2019 E-Health and Bioengineering Conference (EHB), 21-23 Nov. 2019, Iasi, Romania, (4 pagini), Publisher: **IEEE**, DOI: 10.1109/EHB47216.2019.8969937, Electronic ISBN: 978-1-7281-2603-6, USB ISBN: 978-1-7281-2602-9, WOS:000558648300069.
- Vis.10** Lavinia Bobaru, **Marilena Stanculescu**, Sorin Deleanu, Mihai Iordache, Dragos Niculae, Victor Bucata, *Using S Parameters in Two-Port Circuit Analysis*, 2019 15th International Conference on Engineering of Modern Electric Systems (EMES), 13-14 June 2019, pagini: 81-84 (4 pagini), Document Type: Proceedings Paper, INSPEC Accession Number: 18922620, DOI: 10.1109/EMES.2019.8795202, Publisher: **IEEE**, WOS:000503434500021, ISBN:978-1-7281-0773-8.
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#### **E. Brevete obținute în întreaga activitate**

Patent Number(s): RO131291-A2, „*Device And Method For Determining Static B-H Characteristic Of Ferromagnetic Materials*” (*Dispozitiv si metoda pentru determinarea caracteristicii statice B-H a materialelor feromagnetice*), autori: Ioan Florea HANTILA, Stelian MARINESCU, Viorel STANCIU, Paul Cristian ANDREI, Mihai MARICARU, **Marilena STĂNCULESCU**, **Derwent Primary Accession Number: 2016-52539F**, International Patent Classification: G01N-027/72; G01R-033/12.