

LISTA DE LUCRĂRI (CĂRȚI, ARTICOLE) CU CITĂRI

Conf. dr.ing.ec. Adina-Nicoleta GIURGIUMAN

Departamentul de Electrotehnică și Măsurări,
Universitatea Tehnică din Cluj-Napoca

Teza de doctorat

Titlul: Contribuții la îmbunătățirea performanțelor filtrelor pentru supresiva interferențelor electromagnetice de conducție

Universitatea Tehnică din Cluj-Napoca

Facultatea de Inginerie Electrică

Departamentul de Electrotehnică și Măsurări

Domeniul Inginerie Electrică

Data susținerii: 10.10.2010.

Cărți

- [1] Răcășan Claudia, Țopa Vasile, **Răcășan Adina**, Munteanu Călin, *Modelarea numerică a câmpului electromagnetic*, Editura Casa Cărții de Știință, Cluj-Napoca, România, ISBN 978-973-133-170-6, 439 pagini, noiembrie 2007.
- [2] **Răcășan Adina**, Păcurar Claudia, Munteanu Călin, Țopa Vasile, *Aplicații de modelare numerică în câmp electromagnetic*, Editura Politehnica, Colecția „Electrotehnica”, Timișoara, România, ISBN 978-606-554-601-1, 276 pagini, 2013.
- [3] **Răcășan Adina N.**, Munteanu C., *Tehnici de îmbunătățire a performanțelor filtrelor EMI*, Editura UTPRESS, Cluj-Napoca, România, ISBN 978-606-737-006-5, 230 pagini, 2014.
- [4] Hebedean Claudia, Munteanu C., **Răcășan Adina**, *Studiul filtrelor EMI realizate în tehnologie electromagnetică planară*, Editura UTPRESS, Cluj-Napoca, România, ISBN 978-606-737-095-9, 221 pagini, 2015.
- [5] **Răcășan Adina N.**, Munteanu C., Țopa V., Păcurar Claudia, Constantinescu Claudia, *Modelarea numerică a câmpului electromagnetic. Îndrumător de laborator – Volumul 1*, Editura U.T.Press, Cluj-Napoca, România, ISBN 978-606-737-195-6, 228 pagini, 2016.
- [6] Păcurar Claudia, **Giurgiuman Nicoleta-Adina**, Crețu Mihaela, Marian-Răzvan Gliga, Andreica Sergiu-Iulian, *Bazele electrotehnicii, Îndrumător de laborator*, Editura U.T.Press, Cluj-Napoca, România, ISBN 978-606-737-492-6, 156 pagini, 2020.
- [7] **Giurgiuman Adina N.**, Munteanu C., Țopa V., Păcurar Claudia, Constantinescu Claudia, *Modelarea numerică a câmpului electromagnetic. Îndrumător de laborator – Volumul 2*, Editura U.T.Press, Cluj-Napoca, România, ISBN 978-606-737-195-6, 278 pagini, 2021.

Capitole de carte

- [1]. **Răcășan Adina**, Munteanu C., Țopa V., Răcășan Claudia, *Techniques to Reduce the Equivalent Parallel Capacitance for EMI Filters Integration*, Mathematics in Industry, Springer, vol. 11, Book Chapter, pp. 295-300, ISBN 978-3-540-71979-3, ISSN 1612-3956, WOS:000250107700031, 2007.
https://link.springer.com/chapter/10.1007/978-3-540-71980-9_31
1 citare WOS:
1. Kuisma Mikko, Dzhanxhotov Valentin, Silventoinen Pertti, Pyrhonen Juha, *Air-Cored Common Mode Filter with Integrated Capacitors*, 13th European Conference on Power Electronics and Applications (EPE 2009), Barcelona, Spania, pp. 1-7, WOS:000275384102124, ISBN 978-90-75815-13-9, INSPEC 10939755, Sept 8-10, 2009.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000275384102124>
- [2]. Constantinescu C., Pacurar C., **Giurgiuman Adina**, Munteanu C., Andreica S., Gliga R., *The Influence of Electromagnetic Waves Emitted by PIFA Antennas on the Human Head*. 7th International Conference on Advancements of Medicine and Health Care through Technology. MEDITECH 2020. IFMBE Proceedings, vol 88. Springer, Book Chapter, pp. 77-91, ISSN 1680-0737, 1 January 2022.
https://link.springer.com/chapter/10.1007/978-3-030-93564-1_10
- [3]. Constantinescu Claudia, Pacurar Claudia, **Giurgiuman Adina**, Munteanu Calin, *Influence of the Conventional and Planar Yagi Uda Antenna on Human Tissues*, International Conference on Advancements of Medicine and Health Care through Technology MEDITECH 2022, IFMBE Proceedings, vol. 102, Springer, Book Chapter, pp. 87-98, https://doi.org/10.1007/978-3-031-51120-2_10, ISBN 978-3-031-51119-6, 09 January 2024.
https://link.springer.com/chapter/10.1007/978-3-031-51120-2_10

Articole în extenso publicate în reviste cotate WOS Thomson-Reuters și în volume proceedings indexate WOS Thomson-Reuters

Reviste ISI

- [1]. Pop I. T., Topa V., Munteanu C., **Racasan Adina**, Merdan E., *Human Exposure To Power Frequency Electric Field Inside Very High Voltage Substations*, Environmental Engineering and Management Journal, vol. 10, no. 4, pp. 499-504, ISSN: 15829596, WOS: 000292409400005, F.I.=1.004, 2011.
[Human exposure to power frequency electric field inside very high voltage substations-Web of Science Core Collection](https://www.webofscience.com/wos/woscc/full-record/WOS:000292409400005)
4 citări WOS:
2. Goiceanu C; Danulescu R; Danulescu E, Danulescu R., *Implementing European Methodologies to Assess Environmental Electromagnetic Field Levels: some Difficulties and Solutions*, Environmental Engineering and Management Journal, vol.12, no. 6, pp. 1179-1186, WOS:000325632500010, June 2013.
[Implementing European Methodologies to Assess Environmental Electromagnetic Field Levels: some Difficulties and Solutions-Web of Science Core Collection](https://www.webofscience.com/wos/woscc/full-record/WOS:000325632500010)
 3. Alrim V.A., Amanatiadis S.A., Kantartzis N.V., Antonopoulos C.S., *Accurate electromagnetic field exposure characterisation due to mediated lightning strikes via an efficient finite-difference time-domain-based human body model*, IET Science Measurement & Technology, vol.10, no. 2, pp. 124-129, WOS:000371241700007, 2016.
[Accurate Electromagnetic Field Exposure Characterisation due to Mediated Lightning Strikes via an Efficient Finite-Difference Time-Domain-Based Human Body Model-Web of Science Core Collection](https://www.webofscience.com/wos/woscc/full-record/WOS:000371241700007)
 4. Alrim V.A., Amanatiadis S.A., Lalas, A. X., Antonopoulos C.S., *A Circuit Human Body Model for an Indirect Lightning Strike Analyzed by means of an FDTD Method*, Applied Computational Electromagnetics Society Journal, vol. 31, no. 7, pp. 847-852, WOS:000378641300019, 2016.
[A Circuit Human Body Model for an Indirect Lightning Strike Analyzed by means of an FDTD Method-Web of Science Core Collection](https://www.webofscience.com/wos/woscc/full-record/WOS:000378641300019)

5. Nica I., David V., Pavel I., Salceanu A., *Automatic Long Term Survey of Magnetic Fields in Residential Areas. Instrumentation and Measurements*, Environmental Engineering and Management Journal, vol.15, no. 12, pp.2631-2640, WOS:000393476600009, 2016.
[Automatic Long Term Survey of Magnetic Fields in Residential Areas. Instrumentation and Measurements-Web of Science Core Collection](#)
- [2]. **Racasan Adina**, Munteanu C., Topa V., Purcar M., Grindei Laura, *Computation of the Potential Induced on the Fluid Transport Pipelines by Overhead High Voltage Lines*, Environmental Engineering and Management Journal, vol. 10, no. 4, pp. 505-510, ISSN: 15829596, WOS: 000292409400006, FI=1.004, Aprilie 2011.
[Computation of the potential induced on the fluid transport pipelines by overhead high voltage lines-Web of Science Core Collection](#)
- 1 citare WOS:
6. Denes Kocsis, *Modeling and Vibration Analysis of Limescale deposition in Geothermal Pipes*, Environmental Engineering and Management Journal, vol. 13, no. 11, WOS:000347544700016, pp. 2817-2824, November 2014.
[Modeling and Vibration Analysis of Limescale Deposition in Geothermal Pipes-Web of Science Core Collection](#)
- [3]. Munteanu C., Mates G., Purcar M., Țopa V., Pop I. T., Grindei L., **Răcășan Adina**, *Electromagnetic field model for the numerical computation of voltages induce don buried pipelines by high voltage overhead power lines*, The European Physical Journal Applied Physics, vol. 58, no. 3, pp. 30902-p1 - 30902-p9, ISSN: 1286-004, WOS:000306101400012, F.I.=0.710 , 5 July 2012.
[Electromagnetic field model for the numerical computation of voltages induced on buried pipelines by high voltage overhead power lines-Web of Science Core Collection](#)
- 3 citări WOS:
7. Czumbil L., Micu D., Munteanu C., Stet D., Tomoioaga B., *Optimal Design of the Pipeline Right-of-Way nearby High Voltage Transmission Lines using Genetic Algorithms*, 50th International Universities Power Engineering Conference (UPEC), ISBN: 978-1-4673-9682-0, WOS:000377369500082, 2015.
[Optimal Design of the Pipeline Right-of-Way nearby High Voltage Transmission Lines using Genetic Algorithms-Web of Science Core Collection](#)
8. Schoonjans B., Deconinck J., *Calculation of HVAC inductive coupling using a generalized BEM for Helmholtz equations in unbounded regions*, International Journal Of Electrical Power & Energy Systems, vol. 84, pp. 242-251, DOI: 10.1016/j.ijepes.2016.06.003, Ian. 2017.
[Calculation of HVAC inductive coupling using a generalized BEM for Helmholtz equations in unbounded regions-Web of Science Core Collection](#)
9. Lucca, G., Sandrolini, L., Popoli, A., Simonazzi, M.; Cristofolini, A., *Assisted Stochastic Approach*, Applied Sciences-Basel, vol. 13, iss 13, WOS:001028207600001, 2023.
[Assessment of AC Corrosion Probability in Buried Pipelines with a FEM-Assisted Stochastic Approach-Web of Science Core Collection](#)
- [4]. Hebedean Claudia, Munteanu C., **Răcășan Adina**, Păcurar Claudia, *Application of Windings Shifting for the Optimization of Planar Structures*, Environmental Engineering and Management Journal, vol. 12, pp. 1153-1159, ISSN 1582-9596, WOS:000325632500007, F.I. =1.258, June 2013.
[Application of Windings Shifting for the Optimization of Planar Structures-Web of Science Core Collection](#)
- 1 citare WOS:
10. Cretu Mihaela, Micu Dan Doru, *Improved coil design for repetitive magnetic stimulation of the spinal cord*, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, Vol. 34 Iss: 4, pp. 1043 – 1053, WOS:000359046300004, DOI: 10.1108/COMPEL-10-2014-0253, ISSN: 0332-1649, 2015.
<https://www.webofscience.com/wos/alladb/full-record/WOS:000359046300004>
- 1 citare BDI:
- 1) Oglejan Raluca, Avram Alexandru, *An overview of coupling XFEM and LSM for modeling moving interfaces for the optimization of the electric field problems*, Acta Electrotehnica, volume 56, number 5, ISSN 2344-5637, 2015.
<http://connection.ebscohost.com/c/articles/111950721/overview-coupling-xfem-lsm-modeling-moving-interfaces-optimization-electric-field-problems>
- [5]. Păcurar Claudia, Țopa V., Munteanu C., **Răcășan Adina**, Hebedean Claudia, *Studies of Inductance Variation for Square Spiral Inductors using CIBSOC Software*, Environmental Engineering and Management Journal, vol. 12, pp. 1161-1169, ISSN 1582-9596, WOS:000325632500008, F.I.=1.258, June 2013.
[Studies of Inductance Variation for Square Spiral Inductors using Cibsoc Software-Web of Science Core Collection](#)

8 citări WOS:

11. Cretu Mihaela, Ciupa Radu, *Magnetic Coil Design for Evaluating the Response of the Spinal Cord during Magnetic Stimulation*, 2014 International Conference and Exposition on Electrical and Power Engineering EPE, pp. 237-244, WOS:000353565300039, ISBN:978-1-4799-5849-8, ISSN:2471-6855, 16-18 Oct 2014.
<https://www.webofscience.com/wos/alladb/full-record/WOS:000353565300039>
12. Cretu Mihaela, Darabant A., Ciupa R., *Magnetic Stimulation of the Spinal Cord: Evaluating the Characteristics of an Appropriate Stimulator*, *Artificial Organs*, vol. 39, no. 10, pp. 841-848 WOS:000363330200008, DOI:10.1111/aor.12617, PubMed ID:26471134, ISSN:0160-564X, eISSN:1525-1594, October 2015.
<https://www.webofscience.com/wos/alladb/full-record/WOS:000363330200008>
13. Cretu Mihaela, Micu Dan Doru, *Improved coil design for repetitive magnetic stimulation of the spinal cord*, *COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, Vol. 34 Iss: 4, pp. 1043 – 1053, WOS:000359046300004, DOI: 10.1108/COMPEL-10-2014-0253, ISSN: 0332-1649, 2015.
<https://www.webofscience.com/wos/alladb/full-record/WOS:000359046300004>
14. Darabant Laura, Stet Denisa, Cretu Mihaela, Cosovici Gloria, *ORCAD Implementation of a Frequency Response Function using Equivalent Circuits*, 2017 International Symposium on Advanced Topics in Electrical Engineering, pp. 103-106, WOS:000403399400021, ISBN:978-1-5090-5160-1, ISSN:1843-8571, 23-25 Mar 2017.
<https://www.webofscience.com/wos/alladb/full-record/WOS:000403399400021>
15. Cretu M., Darabant L., Ceclan A., *Power Factor Compensation using OrCAD Simulation. A New Approach in Teaching Electrical Engineering*, 2017 7th International Conference on Modern Power Systems (MPS), WOS:000428462600054, ISBN: 978-1-5090-6565-3, 2017.
<https://www.webofscience.com/wos/alladb/full-record/WOS:000428462600054>
16. Guettaf, Y; Flitti, A; Bensaci, A; Kharbouch, H; Rizouga, M; Hamid, A, *Simulation of the operation of a DC-DC converter containing an inductor of planar type*, *Engineering, Electrical & Electronic*, Volume 100, pp.953-969, Springer, WOS:000432411800048, DOI:10.1007/s00202-017-0558-7, ISSN: 0948-7921, eISSN:1432-0487, 2018.
<https://www.webofscience.com/wos/alladb/full-record/WOS:000432411800048>
17. Darabant L, Czumbil L, *Modeling the Symmetrization of Single-Phase Receivers Using OrCAD a New Approach in Teaching Electrical Engineering*, 2018 International Conference and Exposition on Electrical and Power Engineering (EPE), pp. 840-845, 2018, WOS:000458752200164, ISBN:978-1-5386-5062-2, ISSN:2471-6855, 2018.
<https://www.webofscience.com/wos/alladb/full-record/WOS:000458752200164>
18. Namoune, A, Taleb, R; Mansour, N, *Simulation of an integrated spiral inductor and inter-digital capacitor in a buck micro converter*, *Automatika*, ISSN: 0005-1144, DOI 10.1080/00051144.2022.2142572, pp. 1-9, Taylor & Francis, WOS:000883278400001, 2023.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000883278400001>

4 citări BDI:

- 2) Oglejan Raluca, Avram Alexandru, *An overview of coupling XFEM and LSM for modeling moving interfaces for the optimization of the electric field problems*, *Acta Electrotehnica*, volume 56, number 5, ISSN 2344-5637, 2015.
<http://connection.ebscohost.com/c/articles/111950721/overview-coupling-xfem-lsm-modeling-moving-interfaces-optimization-electric-field-problem>
- 3) Cretu A., Munteanu R. jr., Iudean D., Muresan C., Moga R., *A Failure Mode and Effect Analysis (FMEA) for a Commercial PC Cooling Fan*, *Acta Electrotehnica*, vol. 56, no. 5, pp. 236-240, 2015.
<http://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=18413323&AN=111950726&h=FArroPudImnaT3oGD2ACJmGG%2f72r0qkDsYKDu%2f0klHqRZYSo2xU9ReYJZu%2fA0DJicndRQw1FqO91z0bVNCmimQ%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d18413323%26AN%3d111950726>
- 4) Dărăbant Laura, Crețu Mihaela, Ciupa Radu V., *Modeling The Non-Homogeneous Nerve Fibers Located Inside The Human Spinal Cord*, *Buletinul Institutului Politehnic din Iași*, publicat de Universitatea Tehnică „Gheorghe Asachi” din Iași Tomul LXI (LXV), Fasc. 3, Secția Electrotehnică. Energetică. Electronică, pp. 43-55, 2015.
[p4_f3_2015.pdf \(tuiasi.ro\)](http://p4.f3.2015.pdf(tuiasi.ro))
- 5) Darabant Laura, Cretu Mihaela, Rafiroiu Dan, Ciupa Radu, *Evaluating the efficiency of stimulators used in magnetic stimulation of the spinal cord*, 9th International Symposium on

Advanced Topics in Electrical Engineering (ATEE), DOI: 10.1109/ATEE.2015.7133779, ISSN: 2068-7966, 2015

https://ieeexplore.ieee.org/abstract/document/7133779?casa_token=WH9Sf7POEYsAAAAA:ss0dNi2yLrEr0YvAjfSmc-nu5g9rL0_SmpoGYoNUZyBvjUCO2aPsBotlIYC8TslQdcBZTiUc8zMp0g

- [6]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, Hebedean Claudia, *Analysis and Improvement Techniques for the Transfer Function of a Planar Low-Pass Filter*, Environmental Engineering and Management Journal, vol. 15, no. 12, pp. 2579-2586, ISSN 1582-9596, WOS:000393476600004, F.I. =1.096, December 2016.

[Analysis And Improvement Techniques for the Transfer Function of a Planar Low - Pass Filter-Web of Science Core Collection](#)

1 citare DBI:

- 6) Cretu, Mihaela; Mureșan, Nicoleta A; Farkas, Timea; Czumbil, Levente; Darabant, Laura; Micu, Dan D, *Analysis and simulation of a hybrid energy system using HOMER Pro for TUCN blocks of buildings*, Proceedings of 2023 10th International Conference on Modern Power Systems, MPS 2023, DOI 10.1109/MPS58874.2023.10187454, 2023

[Scopus - Document details - Analysis and simulation of a hybrid energy system using HOMER Pro for TUCN blocks of buildings | Signed in](#)

- [7]. Pacurar Claudia, Topa V., **Giurgiuman Adina**, Munteanu C., Constantinescu Claudia, Gliga M., Andreica S., *High Frequency Analysis and Optimization of Planar Spiral Inductors used in Microelectronic Circuits*. Electronics Journal, vol 10, Iss 23, 2897, ISSN: 2079-9292, IF: 2.397, 23 November 2021.

[High Frequency Analysis and Optimization of Planar Spiral Inductors Used in Microelectronic Circuits-Web of Science Core Collection](#)

1 citare WOS:

19. Park, M.; Song, J.; Jeong, J.; Lim, J.-T.; Song, J.-H.; Lee, W.-C.; Sim, G.; Cho, H.; Yoo, D.; Kang, M.; Ko, H.; Lee, J.; Yang, K.; Kim, C.-Y.; Kim, Y.; Sul, W.-S.; Kim, S.; Lee, J. *200-mm Si CMOS Process-Compatible Integrated Passive Device Stack for Millimeter-Wave Monolithic 3-D Integration*. IEEE Transactions on Electron Devices, 70, WOS:001051283400001, 2023.

[200-mm Si CMOS Process-Compatible Integrated Passive Device Stack for Millimeter-Wave Monolithic 3-D Integration-Web of Science Core Collection](#)

3 citări DBI:

- 7) Darabant, L., *Expected benefits and foreseen steps in creating energy communities in Romania*, IOP Conference Series: Materials Science and Engineering, vol. 1254, ISSN 1757-8981, pp. 1-6, DOI 10.1088/1757-899X/1254/1/012016, 2022.

<https://iopscience.iop.org/article/10.1088/1757-899X/1254/1/012016/meta>

- 8) Cretu, M.; Mureșan, N.A.; Farkas, T.; Czumbil, L.; Darabant, L.; Micu, D.D. *Analysis and simulation of a hybrid energy system using HOMER Pro for TUCN blocks of buildings* *Note: Sub-titles are not captured in Xplore and should not be used. Int. Conference on Modern Power Systems (MPS), DOI: 10.1109/MPS58874.2023.10187454, 2023.

[Scopus - Document details - Analysis and simulation of a hybrid energy system using HOMER Pro for TUCN blocks of buildings | Signed in](#)

- 9) Wang, Z.; Li, Z.; He, X.; Li, Z.; Zhuang, Y. *Design of compact wideband millimeter-wave low noise amplifier*. Fourth International Conference on Computer Science and Communication Technology (ICCSCT 2023), 55, 2023.

[Scopus - Document details - Design of compact wideband millimeter-wave low noise amplifier | Signed in](#)

- [8]. Constantinescu Claudia, Pacurar Claudia, **Giurgiuman Adina**, Munteanu C., Andreica S., Gliga M., *High Gain Improved Planar Yagi Uda Antenna for 2.4 GHz Applications and Its Influence on Human Tissues*. Applied Sciences-Basel, vol. 13, no. 11, 6678, ISSN: 2076-3417, DOI10.3390/app13116678, WOS:001005579400001, IF: 2.7, May 2023.

[High Gain Improved Planar Yagi Uda Antenna for 2.4 GHz Applications and Its Influence on Human Tissues-Web of Science Core Collection](#)

- [9]. **Giurgiuman Adina**, Gliga M., Bojita A., Andreica S., Munteanu C., Topa V., Constantinescu Claudia, Pacurar Claudia, *Software Program for the Evaluation of Human Exposure to Electric and Magnetic Fields*. Technologies Journal, vol. 11, no. 6, 159, IF: 3.6, November 2023.

[Technologies | Free Full-Text | Software Program for the Evaluation of Human Exposure to Electric and Magnetic Fields \(mdpi.com\)](#)

ISI Proceedings

- [1]. Antonescu Oana, Munteanu C., **Răcășan Adina**, Răcășan Claudia, *Numerical Analysis Of 1 μS Unit Pulse And 1.2/50 μS Waves Propagation On High Voltage Lines*, EUROCON 2007, IEEE Region 8

Eurocon 2007 Conference „Computer as a Tool”, Varsovia, Polonia, pp. 2528-2533, ISBN: 978-1-4244-0812-2, WOS:000257261901190, septembrie 2007.

[Numerical analysis of 1 mu s unit pulse and 1.2/50 mu s waves propagation on high voltage lines-Web of Science Core Collection](#)

- [2]. Munteanu C., Topa V., **Răcășan Adina**, Visan Gh., Pop I. T., *Computation Methods and Experimental Measurements of the Electric and Magnetic Field Distribution inside High Voltage Substations*, 11th Int. Conf. on Electromagnetics in Advanced Applications, ICEAA'09, Torino, Italia, pp. 253-256, ISBN: 978-1-4244-3385-8, 14-18 Sept. 2009.

[e Computation Methods and Experimental Measurements of the Electric and Magnetic Field Distribution inside High Voltage Substations-All Databases \(webofscience.com\)](#)

- [3]. Munteanu C., Visan Gh., Pop I. T., Topa V., Merdan E., **Răcășan Adina**, *Electric and Magnetic Field Distribution inside High and Very High Voltage Substations*, 20th Int. Zurich Symposium on Electromagnetic Compatibility, Zurich, Elvetia, pp. 257-260, ISBN 978-3-95232864-4, 12-16 Ianuarie 2009.

[Electric and Magnetic Field Distribution inside High and Very High Voltage Substations-Web of Science Core Collection](#)

3 citări WOS:

20. Xu Q., Ji J.F., Huang J.Y., *Measurement Analysis of Electromagnetic Disturbance of the Secondary Sides of TA&TV in Local Control Cubicle of Dead Tank and Live Tank SF6 Circuit-breaker*, Proceedings of the 2015 2nd International Forum on Electrical Engineering and Automation, vol. 54, page 151-157, WOS:000385402000030, December 2015.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000385402000030>

21. Virjoghe E.O., Bancuta I., Husu A.G., Cazacu D., Florescu V., *Measurement and Numerical Modelling of Electric Field in Open Type Air Substation*, Journal of Science and Arts, page 249-259, WOS:000462065300025, 2019.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000462065300025>

22. Rittong B., Sirisumrannukul S., *Safety impacts of electric potential and electromagnetic fields as result of faults in electric distribution system*, Journal of the Chinese Institute of Engineers, vol. 43, no. 3, pp. 269 – 278, WOS:000507222200001, Jan 2020.

<https://www.webofscience.com/wos/woscc/full-record/WOS:000507222200001>

- [4]. Munteanu C., Pop I. T., Visan Gh., Topa V., **Răcășan Adina**, Purcar M., *Analysis of the Power Frequency Electric Field Generated by High Voltage Substations*, Proc. of the 2010 Asia-Pacific Int. Symposium on Electromagnetic Compatibility, Beijing, China, pp. 707-710, ISBN: 978-1-4244-5621-5, 12-16 Aprilie 2010.

[Analysis of the Power Frequency Electric Field Generated by High Voltage Substations-Web of Science Core Collection](#)

- [5]. Munteanu C., Topa V., **Răcășan Adina N.**, Pop I., Merdan E., *Study of the Electric Field Distribution Inside High Voltage Substations*, 10th International Symposium on Electromagnetic Compatibility - EMC Europe 2011 York, pp. 581-585, ISBN: 978-095411463-3, York, 26-28 September 2011.

[Study of the Electric Field Distribution Inside High Voltage Substations-Web of Science Core Collection](#)

1 citare WOS:

23. Liu K. Y., Siew W.H., Stewart R. W., Li Q., *High-Speed Distributed Acquisition Network for Fast Transient Measurement*, 2014 IET Generation Transmission & Distribution, vol. 8, no. 7, pp. 1254 – 1262, WOS:000337761200007, July 2014.

[High-speed Distributed Acquisition Network for Fast Transient Measurement-Web of Science Core Collection](#)

1 citare BDI:

- 10) Devanathan R., Mutum Bidyarani, Obiroy Larenjam, Manivannan C., Malarvizhi R., *Electromagnetic & Electrostatic study in High Voltage Switchyard*, Excerpt from the Proceedings of the 2015 COMSOL Conference in Pune, 2015.

https://www.comsol.com/paper/download/297071/devanathan_paper.pdf

- [6]. Hebedean Claudia, Munteanu C., **Răcășan Adina**, Păcurar Claudia, *Optimum geometry for planar structures regarding their loss factor*, International Conference and Exposition on Electrical and Power Engineering, EPE, Iași, România, pp. 693-698, ISBN: 978-1-4673-1172-4, WOS:000324685300126, October 25-27, 2012.

[Optimum Geometry for Planar Structures Regarding their Loss Factor-Web of Science Core Collection](#)

1 citare BDI:

- 11) Muresan C., Tebrean B., Marza A.O., Iudean D.M., *LabVIEW Application for Implementing the Instantaneous Power Theory in a Three Phase System*, Acta Electrotehnica, vol. 55, no. 3-4, pp. 120-126, 2014.

<https://web.s.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=18413323&AN=102305274&h=Pmlu2DQAzYUT9G9rRecLt%2bsXpMRLzpvMwATDofLgbVjaACWGM2%2boWO26P%2biM3DKSpY%2f0Ka8rCnguKpd9InBz7g%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d18413323%26AN%3d102305274>

- [7]. Hebedean Claudia, Munteanu C., **Răcășan Adina**, Antonescu Oana, *Technologies to Increase HF Losses in Planar Structures and their Limitations*, 13th International Conference on Optimization of Electrical and Electronic Equipment – OPTIM 2012, Brasov, Romania, 24-26 May 2012, pp. 48 – 53, ISBN: 978-1-4673-1653-8, ISSN 18420133, WOS:000398866700007, 2012.

[Technologies to Increase HF Losses in Planar Structures and their Limitations-Web of Science Core Collection](#)

4 citări WOS

24. Hofsajer I., Botef I., *Cold Spray Technology for High Performance Frequency Selective Conductive Structures*, SAIEE Africa Research Journal, vol. 104, Issue 3, pp. 115-122, September 2013.
[COLD SPRAY TECHNOLOGY FOR HIGH PERFORMANCE FREQUENCY SELECTIVE CONDUCTIVE STRUCTURES-Web of Science Core Collection](#)
25. Brink E.A., Hofsajer I.W., Analytical Approach for Determining the Frequency-Dependent Characteristics of Multipath Conductive Structures, IEEE Transactions on Power Electronics, vol. 29, no. 11, Article number 6701209, pp. 5835-5845, WOS:000339619400020, November 2014.
[Analytical Approach for Determining the Frequency-Dependent Characteristics of Multipath Conductive Structures-Web of Science Core Collection](#)
26. Verma R. K., Maity T., Hofsajer I.W., *Multipath Conductors for EMI Filter: Recent Developments*, IET Science Measurement & Technology, vol. 12, no. 5, page: 578-580, WOS:000441022500001, 2018.
[Multipath Conductors for EMI Filter: Recent Developments-Web of Science Core Collection](#)
27. Liaqat Amna, Munteanu C., Demmans Epp Carrie, *Collaborating with Mature English Language Learners to Combine Peer and Automated Feedback: a User-Centered Approach to Designing Writing Support*, International Journal of Artificial Intelligence in Education, vol. 31, no. 4, page: 638-679, WOS:000550602600001, 2020.
[Collaborating with Mature English Language Learners to Combine Peer and Automated Feedback: a User-Centered Approach to Designing Writing Support-Web of Science Core Collection](#)

2 citare BDI:

- 12) Botes N.J., *A Design-Oriented Analytical Approach to Simplify the Computational Aspects of Low Pass Planar multi EMI Filters*, SAIEE Africa Research Journal, Theses, 2016.
<https://wiredspace.wits.ac.za/bitstreams/5f472832-37a1-41eb-8b9f-993632c3991b/download>

- [8]. Păcurar Claudia, Țopa V., **Răcășan Adina**, Munteanu C., *Inductance Calculation and Layout Optimization for Planar Spiral Inductors*, 13th International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2012, Brașov, România, pp. 225 – 232, ISBN: 978-1-4673-1653-8, ISSN 18420133, WOS:000398866700034, 24-26 May 2012.

[Inductance Calculation and Layout Optimization for Planar Spiral Inductors-Web of Science Core Collection](#)

18 citări WOS:

28. Beryl R., Vaithianathan V., Kirubaveni S., *Comparative Analysis of various On-Chip Spiral Inductors*, 2013 International Conference on Communications and Signal Processing (ICCS), pag. 437-441, WOS:000327328000090, ISBN: 978-1-4673-4866-9/978-1-4673-4865-2, 2013.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000327328000090>
29. Kim S., Bae B., Kong S., Jung D.H., Kim J.J., Kim J., *Design, Implementation and Measurement of Board-to-Board Wireless Power Transfer (WPT) for Low Voltage Applications*, 2013 IEEE 22nd Conference on Electrical Performance of Electronic Packaging and Systems (EPEPS), pp. 91-95, WOS:000345864000021, ISBN:978-1-4799-0705-2, ISSN: 2165-4107, 2013.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000345864000021>
30. Kim S., Bae B., Kong S., Jung D.H., Kim J.J., Kim J., *Electromagnetic Interference Shielding Effects in Wireless Power Transfer using Magnetic Resonance Coupling for Board-to-Board Level Interconnection*, 2013 IEEE International Symposium on Electromagnetic Compatibility (EMC), Book Series IEEE International Symposium on Electromagnetic Compatibility, pag. 773-778, WOS:000334998800144, ISSN: 2158-110X, 2013.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000334998800144>

31. Chen X., Zhang, G.X., *Middle range wireless power transfer systems with multiple resonators*, Journal of Central South University, vol. 22, pag. 2127-2136, DOI:10.1007/s11771-015-2737-x, WOS:000356043700016, ISSN:2095-2899, eISSN:2227-5223, JUN 2015.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000356043700016>
32. Choteborsky R., Linda M., Kabutey A., *Detection of Austenite Transformation of Adi Cast Iron Using Electromagnetic Sensor*, Proceeding of 6th International Conference on Trends in Agricultural Engineering 2016, Prague, Czech Republic, 7-9 Sep. 2016, pp. 211-215, WOS:000390603400035, ISBN:978-80-213-2683-5, 2016.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000390603400035>
33. Gupta M.K., Mishra S., Kumar G., *Novel Design of Spiral Inductor for Multi GHz Range for Optimized Inductance and Q factor*, 2016 International Conference on Recent Advances and Innovations in Engineering (ICRAIE), WOS:000450273900030, ISBN:978-1-5090-2807-8, 2016.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000450273900030>
34. Ashenafi Emeshaw, Chowdhury Masud H., *Noise Voltage Analysis of Spiral Inductor for On-Chip Buck Converter Design*, IEEE International Symposium on Circuits and Systems (ISCAS) Location: Baltimore, WOS:000439261800049, ISBN:978-1-4673-6853-7, ISSN:0271-4302, May 28-31, 2017.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000439261800049>
35. Jeronymo Daniel Cavalcanti, Leite Jean Viane, Mariani Viviana Cocco, et al, *Spiral Inductor Design Based on Fireworks Optimization Combined with Free Search*, 7th International Conference on Modern Circuits and Systems Technologies (MOCASST) Location: Aristotle Univ, Res Disseminat Ctr, Thessaloniki, Greece, WOS:000435435400001, ISBN: 978-1-5386-4788-2, May 07-09, 2018.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000435435400001>
36. Ashenafi Emeshaw, Bin Yousuf Abdul Hamid, Chowdhury Masud H., *Investigation and Optimization of Spiral Inductor Design for On-Chip Buck Converter*, Journal of Low Power Electronics, Volume: 14, Issue: 1, Pages: 57-66, WOS:000428173800007, DOI:10.1166/jolpe.2018.1541, ISSN:1546-1998, eISSN:1546-2005, 2018.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000428173800007>
37. Lee W., Han D., Sarlioglu B., *Single-turn Air-core Integrated Planar Inductor for GaN HEMT-based Zero-Voltage Switching Synchronous Buck Converter*, Thirty-Fourth Annual IEEE Applied Power Electronics Conference and Exposition (APEC 2019), WOS:000475931101121, ISBN: 978-1-5386-8330-9, ISSN: 1048-2334, 2019.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000475931101121>
38. Chen L.M., Lu M.Y., Wang Y.Q. Huang Y.H., Zhu S., Tang J.W., Zhu C. Liu X.Q., Yin W.L., *Whole System Design of a Wearable Magnetic Induction Sensor for Physical Rehabilitation*, Adanced Intelligent Systems, Volume 1, Number 1900037, WOS:000675632100003, DOI:10.1002/aisy.201900037, eISSN: 2640-4567, JUN 2019.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000675632100003>
39. Kenari S.A., Ganji B.A., Soleimani-Amiri S., *Design and analysis of a high quality factor multipath spiral inductor*, Microsystem Technologies Micro and Nanosystems Information Storage and Processing Systems, vol. 25, pag. 3213-3218, WOS:000476616400032, DOI: 10.1007/s00542-018-4176-8, ISSN:0946-7076, eISSN:1432-1858, AUG 2019.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000476616400032>
40. Lee W., Han D., Bobba D., Sarlioglu B., *Design of Single-Turn Air-Core Integrated Planar Inductor for Improved Thermal Performance of GaN HEMT-Based Synchronous Buck Converter*, IEEE Transactions on Industry Applications, Volume 56, Page 1543-1552, WOS:000522460500059, DOI:10.1109/TIA.2019.2957707, ISSN:0093-9994, eISSN:1939-9367, Published MAR-APR 2020.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000522460500059>
41. Gholami S., Bahari A., *Enhancement of the intensity and bandwidth of terahertz radiation in photoconductive dipole antennas*, Optical and Quantum Electronics, Volume 53, Issue 4, Article Number 169, DOI:10.1007/s11082-021-02821-2, WOS:000631087600002, ISSN:0306-8919, eISSN:1572-817X, Published MAR 19, 2021.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000631087600002>

42. Zhang, YA; Guo, Y; Kong, XH; Zeng, P; Yin, H; Wu, JM; He, YC; Xu, Z, *Improving local SNR of a single-channel 54.6 mT MRI system using additional LC-resonator*, JOURNAL OF MAGNETIC RESONANCE, vol 339, ISSN: 1090-7807, DOI10.1016/j.jmr.2022.107215, WOS:000793240400001, 2022.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000793240400001>
43. Derkaoui, M; Benhadda, Y; Chaabene, G; Spiteri, P, *On-Chip GaN Planar Transformer Design for Highly Integrated RF Systems*, JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, ISSN 0218-1266, DOI10.1142/S0218126623501499, WOS:000894804900002, 2022.
[https://www.webofscience.com/wos/woscc/full-record/WOS:000894804900002\(overlay:export/refWorks\)](https://www.webofscience.com/wos/woscc/full-record/WOS:000894804900002(overlay:export/refWorks))
44. Farooq, M.; Amin, B.; Elahi, A.; Wijns, W.; Shahzad, A., *Planar Elliptical Inductor Design for Wireless Implantable Medical Devices. Bioengineering 2023*, vol 10, issue 2, articol number 151, WOS:000938436800001, 2023.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000938436800001>
45. Borik S., Strych J., Kumar V. J., and George B., *Measurement of Cardiorespiratory Activity Using Planar Coils and a High-Resolution Inductance-to-Digital Converter*, in IEEE Sensors Journal, vol. 23, no. 18, pp. 21903-21913, DOI: 10.1109/JSEN.2023.3302417, WOS:001090399700145, Sept.15, 2023.
<https://www.webofscience.com/wos/woscc/full-record/WOS:001090399700145>

8 citări BDI:

- 13) Wang Xuehe, *Wireless pressure sensor system for medical applications*, University of South Carolina ProQuest Dissertations Publishing, 2013.
<https://www.proquest.com/openview/e83289e2806a486426c6b4ce2a2e27c8/1?pq-origsite=gscholar&cbl=18750>
- 14) Xiaobin Luo, Weihua Yu, Xin Lv, Guoai Xi, *Establishment of on-chip spiral inductor broadband equivalent circuit model*, Journal of Microwaves, No. 1, 2014.
<http://www.cqvip.com/qk/96148x/201401/48503150.html>
- 15) Wang Shuo (王硕), Zheng Xinnian (郑新年), Yang Hao (杨浩) and Zhang Haiying (张海英), *A 0.75 dB NF LNA in GaAs pHEMT utilizing gate-drain capacitance and gradual inductor**, Chinese Institute of Electronics, Journal of Semiconductors, vol. 36, no. 7, 2015.
<http://iopscience.iop.org/article/10.1088/1674-4926/36/7/075001/meta>
- 16) Anupong Chayton, Tanawut Panyawong, Ekkachai Chaidee, *The Development of Wireless Power Transfer using PCB Resonators*, Journal of Innovative Technology Research, vol 1, no 1, pp. 39-53, 2017.
<https://so04.tci-thaijo.org/index.php/JIT/article/view/91072>
- 17) Siqueira, Danrlei Octaviano, *Planar electromagnetic devices*, Federal Technological University of Paraná, PB - Electrical Engineering, pp.62, 2018.
<http://repositorio.utfpr.edu.br/jspui/handle/1/14924>
- 18) David R. Allee, Gregory P. Spell, Brett Larsen, Anthony M. Wilson, Owen C. Ma, *Three-dimensional imaging utilizing low frequency magnetic fields*, United States Patent, no 10416244B2, 2019.
<https://patentimages.storage.googleapis.com/28/0e/65/8cf958c51ee6eb/US10416244.pdf>
- 19) Karlquist, Linus, *Design and fabrication of planar inductor using a fully-additive sequential build up method*, Student thesis, pp. 38, OAI: oai:DiVA.org:ltu-88415, 2021.
<https://www.diva-portal.org/smash/record.jsf?pid=diva2%3A1620082&dsid=-2731>
- 20) Colin Tong, *Semiconductor Solutions for 5G*, Springer Series in Materials Science, vol. 327, Chapter, ISSN 2196-2812, 2022.
https://link.springer.com/chapter/10.1007/978-3-031-17207-6_2

- [9]. Păcurar Claudia, Țopa V., **Răcășan Adina**, Munteanu C., Hebedean Claudia, *Spiral Inductors Inductance Computation And Layout Optimization*, Proceedings of the International Conference and Exposition on Electrical and Power Engineering, 7th edition, EPE 2012, Iași, România, pp. 699-704, ISBN: 978-1-4673-1172-4, WOS:000324685300127, October 25-27, 2012.
[Spiral Inductors Inductance Computation and Layout Optimization-Web of Science Core Collection](#)

4 citări WOS:

46. Gupta M.K., Mishra S., Kumar G., *Novel Design of Spiral Inductor for Multi GHz Range for Optimized Inductance and Q factor*, 2016 International Conference on Recent Advances and Innovations in Engineering, WOS:000450273900030, ISBN:978-1-5090-2807-8, 2016.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000450273900030>

47. Faria A., Marques L., Ferreira C., Alves F., Cabral J., *A Fast and Precise Tool for Multi-Layer Planar Coil Self-Inductance Calculation*, *SENSORS*, vol. 21, WOS:000677176000001, DOI:10.3390/s21144864, PubMed ID:34300602, eISSN: 1424-8220, JUL 2021.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000677176000001>
48. Faria A., Marques L., Gaspar J., Alves F., *High precision, geometry independent analytical method for self-inductance calculation in planar coils*, IEEE International Conference on Industrial Technology Page 1234-1239, WOS:000687856000190, DOI:10.1109/ICIT46573.2021.9453, ISBN:978-1-7281-5730-6, ISSN:2643-2978, 2021.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000687856000190>
49. Cretu M., Darabant L., Czumbil L., Ceclan A., Stet D., Micu D.D., *Demonstration Scenarios for Renewable Energy Technologies Integration in Different Pilots' Sites within the RECOGNITION Project*, 2021 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE), WOS:000676164800164, DOI:10.1109/ATEE52255.2021.9425338, ISBN:978-1-6654-1878-2, ISSN:1843-8571, 2021.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000676164800164>

6 citări BDI:

- 21) Ioana - Gabriela Sîrbu, *The influence of the frequency on the efficiency and on the power quality of a contactless power transfer system*, 2015 IEEE 15th International Conference on Environment and Electrical Engineering (EEEIC), pp. 2129-2134, DOI: 10.1109/EEEIC.2015.7165507, ISBN:978-1-4799-7993-6, 2015.
<https://ieeexplore.ieee.org/abstract/document/7165507>
- 22) Cui, Han, *Modeling, Implementation and Simulation of Two-Winding Plate Inductor*, Doctoral dissertation, VirginiaTech, 2017.
<https://vtchworks.lib.vt.edu/handle/10919/7830>
- 23) Viona Catterson, Artur Stark, *Two-Winding Plate Inductor Modeling*, Technical Raport, pp. 187, 2017.
https://www.researchgate.net/profile/Viona-Catterson/publication/335421957_Two-Winding_Plate_Inductor_Modeling/links/5d6ae65ea6fdcc547d702a38/Two-Winding-Plate-Inductor-Modeling.pdf
- 24) Kang C.C., Kang C.Y., *Circularly polarize antenna array for electromagnetic energy harvesting* International Journal of Engineering and Technology(UAE), pp. 1-3, ISSN:2227524X, DOI:10.14419/ijet.v7i2.29.13114. 2018.
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85047813675&origin=resultslist&sort=plf-f&cite=2-s2.0-84874589609&src=s&imp=t&sid=8fda10be944beae8d967dff44aee0f0&sot=cite&sdt=a&sl=0&relpos=5&citeCnt=0&searchTerm=>
- 25) Shirin Azadi Kenari, Bahram Azizollah Ganji, Samaneh Soleimani-Amiri, *Design and analysis of a high quality factor multipath spiral inductor*, *Microsystem Technologies*, vol.25, no.8, pp.3213, 2019.
[Design and analysis of a high quality factor multipath spiral inductor | Microsystem Technologies \(springer.com\)](https://www.springer.com/journal/10237/issue/8)
- 26) Stefanovska A. and Wang Z. -G., *Ka-Band LNA Design Using Systematic Circuit Design Methodology and Design Applicable Equations*, 7th International Conference on Integrated Circuits and Microsystems (ICICM), Xi'an, China, 2022, pp. 86-91, doi: 10.1109/ICICM56102.2022.10011230, 2022.
https://ieeexplore.ieee.org/abstract/document/10011230?casa_token=pREwabNYVbcAAAAA:oMwoHhbLgh13Mtgw6Pif7bub0m43Gc1-BXklLcTfbhTByrXIBRXdKVCV7MkOkHcHT919yCDAYtpreQ

[10]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, Hebedean Claudia, *Minimization of the Equivalent Parallel Capacitance in Planar Magnetic Integrated Structures*, 13th International Conference on Optimization of Electrical and Electronic Equipment, OPTIM, Brașov, România, pp. 219 – 224, ISBN: 978-1-4673-1653-8, ISSN 18420133, WOS:000398866700033, 24-26 May 2012.
[Minimization of the Equivalent Parallel Capacitance in Planar Magnetic Integrated Structures-Web of Science Core Collection](https://www.webofscience.com/wos/woscc/full-record/WOS:000398866700033)

1 citare WOS:

50. Alexandru A., Lup S., Dita B., *GDS2M: Preprocessing Tool for MEMS Devices*, 2013 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE), WOS:000332928500105, DOI:10.1109/ATEE.2013.6563451, ISBN: 978-1-4673-5980-1978-1-4673-5979-5, 2013.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000332928500105>

2 citări BDI:

- 27) Boroyevich D., Zhang X., Bishinoin H., Burgos R., Mattavelli P., Wang F., *Conducted EMI and Systems Integration*, 2014 8th International Conference on Integrated Power Systems (CIPS) IEEE, pp. 1-14, ISBN:978-3-8007-3578-5, 25-27 Feb 2014.

<https://ieeexplore.ieee.org/abstract/document/6776840>

- 28) Iudean D., Munteanu R. jr., Muresan C., Plop A., Paul A.I., *Indicating Device for Measuring Blood Alcohol*, Acta Electrotehnica, vol. 55, no. 3-4, pp. 131-134, 2014.

<https://web.s.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=18413323&AN=102305276&h=i5tS%2fHFJ9JS%2fp5opbjw13Jt9%2bkzcHkdOn8CQLh%2fbXJJoPe1O%2bDX0BF%2bOHIEADzfMKG%2fVEmwMyHf3jIR5Rs4oyA%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrn1%3d18413323%26AN%3d102305276>

- [11]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, Hebedean Claudia, *Minimization of the Equivalent Parallel Capacitance in Planar Magnetic EMI Filters*, Proceedings of the International Conference and Exposition on Electrical and Power Engineering, 7th edition, EPE 2012, Iași, România, pp. 519-524, ISBN: 978-1-4673-1172-4, WOS:000324685300090, October 25-27, 2012.
[Minimization of the Equivalent Parallel Capacitance in Planar Magnetic EMI Filters-Web of Science Core Collection](#)

3 citări WOS:

51. Cretu Mihaela, Ciupa Radu, *Magnetic Coil Design for Evaluating the Response of the Spinal Cord during Magnetic Stimulation*, 2014 International Conference and Exposition on Electrical and Power Engineering EPE, pp. 237-244, WOS:000353565300039, ISBN:978-1-4799-5849-8, ISSN:2471-6855, 16-18 Oct. 2014.
<https://www.webofscience.com/wos/alldb/full-record/WOS:000353565300039>
52. Zeghoudi, A; Bendaoud, A; Canale, L; Tilmatine, A; Slimani, H, *Common Mode and Differential Mode noise of AC/DC LED Driver*, 21st IEEE International Conference on Environment and Electrical Engineering and 5th IEEE Industrial and Commercial Power Systems Europe (Eeeic/I&Cps Europe), WOS:000784128100120, ISBN978-1-6654-3613-7, DOI10.1109/EEEIC/ICPSEurope51590.2021.95846, 2021.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000784128100120>
53. Saci, K; Khelladi, S; Bensaci, A; Hadjadj, A; Bendaoud, A, *Modeling and Optimization of Integrated PCB CM Choke Structures with Improved DM Suppression using 3-D Electromagnetic Simulation*, Iranian Journal of Science and Technology-Transactions of Electrical Engineering, ISSN: 2228-6179, WOS:000865729400002, 2022.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000865729400002>

2 citări BDI:

- 29) Iudean D., Munteanu R. jr., Muresan C., Plop A., Paul A.I., *Indicating Device for Measuring Blood Alcohol*, Acta Electrotehnica, vol. 55, no. 3-4, pp. 131-134, 2014.

<https://web.s.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=18413323&AN=102305276&h=i5tS%2fHFJ9JS%2fp5opbjw13Jt9%2bkzcHkdOn8CQLh%2fbXJJoPe1O%2bDX0BF%2bOHIEADzfMKG%2fVEmwMyHf3jIR5Rs4oyA%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrn1%3d18413323%26AN%3d102305276>

- 30) Boroyevich Dushan, Zhang Xuning, Bishinoi Hemant, Burgos Rolando, Mattavelli Paolo, Wang Fred, *Conducted EMI and Systems Integration*, 2014 8th International Conference on Integrated Power Systems (CIPS) IEEE, pp. 1-14, 25-27 Feb 2014.

<https://ieeexplore.ieee.org/abstract/document/6776840>

- [12]. Hebedean Claudia, Munteanu C., **Răcășan Adina**, Păcurar Claudia, *Parasitic Capacitance Removal with Embedded Ground Layer*, IEEE EuroCon 2013, Zagreb, Croatia, pp. 1863-1868, ISBN 978-1-4673-2232-4, WOS:000343135600275, 1-4 July 2013.

[Parasitic Capacitance Removal with an Embedded Ground Layer-Web of Science Core Collection](#)

1 citare WOS:

54. Kjærsgaard B. F. et al., *Parasitic Capacitive Couplings in Medium Voltage Power Electronic Systems: An Overview*, in IEEE Transactions on Power Electronics, vol. 38, no. 8, pp. 9793-9817, DOI: 10.1109/TPEL.2023.3269582, WOS:001022008800051, Aug. 2023.

<https://www.webofscience.com/wos/woscc/full-record/WOS:001022008800051>

2 citări DBI:

- 31) Nagatomo, T., Miki, N., *Reduction of parasitic capacitance of a PDMS capacitive force sensor* 2018, Micromachines, Volume 9, Issue 113, Article number 570, November 2018.

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85056083904&origin=resultlist&sort=plf-f&cite=2-s2.0-84888622200&src=s&imp=t&sid=5aa70de8656314a58eec3670f2414086&sot=cite&sdt=a&sl=0&relpos=1&citeCnt=4&searchTerm=>

- 32) Pan Bozhong, Cong Wei, Ma Yanfei, *Fault disappearing judgement of single phase grounding in neutral point non-effective grounding system based on adjustable resistor*, Advanced Power System Automation and Protection (APAP), IEEE International Conference on, pp. 299-302, ISBN:978-1-7281-1722-5, 2019.

<https://ieeexplore.ieee.org/abstract/document/9224989>

- [13]. Hebedean Claudia, Munteanu C., **Răcășan Adina**, Păcurar Claudia, *Analysis of the Influence of Parasitic Parameters on Planar Transformers*, International Conference on Optimization of Electrical and Electronic Equipment, OPTIM, Brașov, România, pp. 40–45, ISBN 978-1-4799-5183-3, WOS:000343551300006, 22-24 May 2014.

[Analysis of the Influence of Parasitic Parameters on Planar Transformers-Web of Science Core Collection](#)

3 citări BDI:

- 33) Plesa C., Morar R., Plesa T., *Optimal Configurations of the ILES Separator, in order to Ennoble the Quartz Sand through Electroseparation*, International Conference on Modern Power Systems (MPS), Cluj-Napoca, România, pp. 257-262, 18-21 May 2015.

http://ie.utcluj.ro/files/acta/2015/Number3/MPS2015_Plesa-1.pdf

- 34) Petrescu, M.-C., Petrescu, L., Cazacu, E. *Influence of planar transformer windings interleaving on parasitic parameters*, 2018 EEA - Electrotehnica, Electronica, Automatica 66(2), pp. 45-50, ISSN 15825175, 2018.

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85049240987&origin=resultslist&sort=plf-f&cite=2-s2.0-84904917446&src=s&imp=t&sid=49ccbcdcf8f3cf06e4572804fbfed381&sot=cite&sdt=a&sl=0&relpos=1&citeCnt=0&searchTerm=>

- 35) Muresan Calin, Tebrean Bogdan, Copandean Romul, Ardelean Madalin, Dragan Florin, *Power Analysis Tools Developed in the LabVIEW Programming Environment*, Modern Power Systems (MPS) 2019 8th International Conference on, pp. 1-5, DOI: 10.1109/MPS.2019.8759714, Electronic ISBN:978-1-7281-0750-9, 2019.

[Power Analysis Tools Developed in the LabVIEW Programming Environment | IEEE Conference Publication | IEEE Xplore](#)

- [14]. Hebedean Claudia, Munteanu C., **Răcășan Adina**, Păcurar Claudia, *Efficiency determination for the improvement methods used for planar structures applied on EMI filters*, Proc. of the 2014 International Conference and Exposition on Electrical and Power Engineering, EPE 2014 Iași, România, pp. 627-632, ISBN 978-1-4799-5849-8, WOS:000353565300115, 16-18 Octombrie 2014.

[Efficiency Determination for the Improvement Methods Used for Planar Structures Applied on EMI Filters-Web of Science Core Collection](#)

1 citare BDI:

- 36) Chen, Run; Zhang, Liping; Lin, Subin; Chen, Wei; Pan, Jiangnan, *Design of Magnetolectric Fully Integrated EMI Filter Based on Multilayer Flexible Metal Foil Materials*, 3rd IEEE International Power Electronics and Application Conference and Exposition, PEAC 2022, DOI 10.1109/PEAC56338.2022.9959628, pp 1174–1179, 2022.

[Scopus - Document details - Design of Magnetolectric Fully Integrated EMI Filter Based on Multilayer Flexible Metal Foil Materials | Signed in](#)

- [15]. Hebedean Claudia, Munteanu C., **Răcășan Adina**, Păcurar Claudia, *Improving EMI Filters by Decreasing their Parasitic Capacitance*, Proc. of the 2014 International Conference on Applied and Theoretical Electricity, ICATE 2014, Craiova, România, pp. 1-6, ISBN 978-1-4799-4161-2, WOS:000352737400066, 23-25 Octombrie 2014.

[Improving EMI Filters by Decreasing their Parasitic Capacitance-Web of Science Core Collection](#)

- [16]. Păcurar Claudia, Țopa V., **Răcășan Adina**, Munteanu C., Hebedean Claudia, Cislariu Mihaela, D. Rafiroiu, *High Frequency Modeling of Square Spiral Inductor*, Proc. of the 2014 International Conference and Exposition on Electrical and Power Engineering, EPE 2014, Iași, România, pp. 622-626, ISBN 978-1-4799-5849-8, WOS:000353565300114, 16-18 Octombrie 2014.

[High Frequency Modeling of Square Spiral Inductor-Web of Science Core Collection](#)

1 citare WOS:

55. Kobe O. B., Chuma J., Jamisola R. Jr., Chose M., *A review on quality factor enhanced on-chip microwave planar resonators*, Engineering Science And Technology-An International Journal-Jestech, vol. 20, is.2, pp. 460-466, WOS:000410698400007, DOI: 10.1016/j.jestech.2016.09.024, ISSN: 2215-0986, apr. 2017.

<https://www.webofscience.com/wos/alldb/full-record/WOS:000410698400007>

1 citare BDI:

- 37) Dharmalingam A.P., *Planar Inductors for Microwave Acoustic Filter Integration in LTCC Technology*, Doctoral Thesis, 2016.

<https://opus4.kobv.de/opus4-fau/frontdoor/index/index/docId/8117>

- [17]. Păcurar Claudia, Țopa V., **Răcășan Adina**, Munteanu C., Hebedean Claudia, *Spiral Inductors Analysis and Modelling*, 14th International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2014, Brașov, România, pp. 210–215, ISBN 978-1-4799-5183-3, WOS:000343551300030, 22-24 May 2014.

2 citări WOS:

56. Cretu M., Ceclan A., Czumbil L., Stet D., Bargauan B., Micu, D.D., *Key Performance Indicators (KPIs) for the Evaluation of the Demand Response in the Technical University of Cluj-Napoca Buildings*, Proceedings of 2019 8th International Conference On Modern Power Systems (MPS), WOS:000612401900138, DOI:10.1109/MPS.2019.8759794, ISBN: 978-1-7281-0750-9, 2019.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000612401900138>
57. Oancea C.D., Calin F., *Possibilities to Reduce the Transient Regime for Some Circuits Connected to the Single-Phase Network*, 2021 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE), WOS: 000676164800104, DOI:10.1109/ATEE52255.2021.9425239, ISBN:978-1-6654-1878-2, ISSN:1843-8571, 2021.
<https://www.webofscience.com/wos/alladb/full-record/WOS:000676164800104>

3 citări BDI:

- 38) Iudean D., Munteanu R. jr., Muresan C., Plop A., Paul A.I., *Indicating Device for Measuring Blood Alcohol*, Acta Electrotehnica, vol. 55, no. 3-4, pp. 131-134, 2014.
<https://web.p.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=18413323&AN=102305276&h=i5tS%2fHFJ9JS%2fp5opbjw13Jt9%2bkzcHkdOn8CQLh%2fbXJJoPe1O%2bDX0BF%2bOHIEADzfMKG%2fVEmwMyHf3jIR5Rs4oyA%3d%3d&url=c&resultNs=AdminWebAuth&resultLocal=ErrCrlnProfile&urlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d18413323%26AN%3d102305276>
 - 39) Prokopenko Nikolay, Sapogin Vlaimir, Bugakova Anna, Ignashin Andrey, *Methods for compensation of parasitic capacitances on the substrate of integral inductances*, Izvestiya Southern Federal University. Technical science Journal, 2016.
<https://cyberleninka.ru/article/n/metody-kompensatsii-parazitnyh-emkostey-na-podlozhu-integralnyh-induktivnostey>
 - 40) Dharmalingam A.P., *Planar Inductors for Microwave Acoustic Filter Integration in LTCC Technology*, Doctoral Thesis, 2016.
<https://opus4.kobv.de/opus4-fau/frontdoor/index/index/docId/8117>
- [18]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, Hebedean Claudia, Adam Ema, *Numerical Analysis and Modelling of the Electromagnetic Interferences in Integrated Planar Structures*, 16th International Conference on Harmonics and Quality of Power, ICHQP 2014, Bucharest, România, pp. 122-126, ISBN 978-146736487-4, ISSN 2164-0610, WOS:000343776100026, 25-28 May 2014.
[Numerical Analysis and Modeling of the Electromagnetic Interferences in Integrated Planar Structures-Web of Science Core Collection](#)
- [19]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, Hebedean Claudia, Cislariu Mihaela, *Methods for Planar Integrated Low Pass Filter Performance Improvements in High Frequency*, International Conference and Exposition on Electrical and Power Engineering, EPE, Iași, România, pp. 617-621, ISBN 978-1-4799-5849-8, WOS:000353565300113, 16-18 Octombrie 2014.
[Methods for Planar Integrated Low Pass Filter Performance Improvements in High Frequency-Web of Science Core Collection](#)
- [20]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, Hebedean Claudia, *Filter Geometry Optimisation for the Conduction Electromagnetic Interferences Suppression*, 14th International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2014, Brașov, România, pp. 46 – 51, ISBN 978-1-4799-5183-3, WOS:000343551300007, 22-24 May 2014.
[Filter Geometry Optimization for the Conduction Electromagnetic Interferences Suppression-Web of Science Core Collection](#)

4 citări WOS:

58. Darabant Laura, Stet Denisa, Cretu Mihaela, Cosovici Gloria, *ORCAD Implementation of a Frequency Response Function using Equivalent Circuits*, 2017 International Symposium on Advanced Topics in Electrical Engineering, pp. 103-106, WOS:000403399400021, ISBN:978-1-5090-5160-1, ISSN:1843-8571, 23-25 Mar 2017.
<https://www.webofscience.com/wos/alladb/full-record/WOS:000403399400021>
59. Cretu M., Darabant L., Ceclan A., *Power Factor Compensation using OrCAD Simulation. A New Approach in Teaching Electrical Engineering*, 2017 7th International Conference on Modern Power Systems (MPS), WOS:000428462600054, ISBN: 978-1-5090-6565-3, 2017.
<https://www.webofscience.com/wos/alladb/full-record/WOS:000428462600054>
60. Plesa C., Morar R., Plesa T., Vadan M., *The Original Patented Corona Multithreaded Electrode, for Rotating Cylinder Electro separators*, 2017 International Symposium on Advanced Topics in Electrical Engineering, pp. 231-236, WOS:000403399400046, ISBN:978-1-5090-5160-1, ISSN:1843-8571, 23-25 Mar 2017.
<https://www.webofscience.com/wos/alladb/full-record/WOS:000403399400046>

61. Darabant L, Czumbil L, *Modeling the Symmetrization of Single Phase Receivers Using OrCAD A New Approach in Teaching Electrical Engineering*, 2018 International Conference and Exposition on Electrical and Power Engineering (EPE), pp. 840-845, WOS:000458752200164, ISBN:978-1-5386-5062-2, ISSN:2471-6855, 2018.
<https://www.webofscience.com/wos/alladb/full-record/WOS:000458752200164>

1 citare BDI:

- 41) Oglejan Raluca, Avram A., *An overview of coupling XFEM and LSW for modeling moving interfaces for the optimization of the electric field problems*, Acta Electrotehnica, vol. 56, no. 5, pp. 209-213, 2015.
<http://connection.ebscohost.com/c/articles/111950721/overview-coupling-xfem-lsm-modeling-moving-interfaces-optimization-electric-field-problem>

- [21]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, Hebedean Claudia, *Electromagnetic Interferences Suppression in Planar Integrated Devices*, International Symposium on Electromagnetic Compatibility, EMC Europe 2014, Gothenburg, Sweden, pp. 940-945, ISBN 978-1-4799-3225-2, ISBN:978-1-4799-3226-9, ISSN 10774076, WOS:000364988600170, 1-4 September 2014.
<https://www.webofscience.com/wos/alladb/full-record/WOS:000364988600170>

2 citări WOS

62. Darabant L., Cretu M., Rafiroiu D., Ciupa R., *Evaluating the Efficiency of Stimulators used in Magnetic Stimulation of the Spinal Cord*, 2015 9TH International Symposium on Advanced Topics in Electrical Engineering (ATEE), Page: 275-280, WOS: 000368159800050, DOI: 10.1109/ATEE.2015.7133779, ISBN: 978-1-4799-7514-3, 2015.
<https://www.webofscience.com/wos/alladb/full-record/WOS:000368159800050>
63. Farkas, T, Czumbil, L, Cretu, M, Darabant, L, Stet, D, Ceclan, A, Polycarpou, A, Micu, DD, *Assessment of the Romanian pilot site energy consumption indicators and technical prerequisites in the implementation of the RE-COGNITION Horizon project*, Proceedings of 9th International Conference on Modern Power Systems (MPS 2021), WOS:000941563300087, DOI10.1109/MPS52805.2021.9492686, ISBN978-1-6654-3381-5, 2021.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000941563300087>

1 citare BDI:

- 42) Cretu Mihaela, Darabant Laura, Rafiroiu Dan, *Analysis of the Temporal Component of the Electric Field for the Magnetic Stimulation Technique*, Acta Electrotehnica, volume 56, number 1-2, ISSN 2344-5637, 2015.
<http://web.b.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=18413323&AN=108705012&h=xXB1nAQabTjyOxP8mCh%2b532SJOSLG2n2JM25sMP1sqL%2fEjJu8f%2bd0sH1SHiFYammH0VbnIATKoojEGGUbq2c8A%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d18413323%26AN%3d108705012>

- [22]. Păcurar Claudia, Țopa V., **Răcășan Adina**, Munteanu C., Rafiroiu D., Hebedean Claudia, *High Frequency 3D Modeling of Spiral Inductors*, 2014 International Conference on Production Research–Regional Conference Africa, Europe and the Middle East 3rd International Conference on Quality and Innovation in Engineering and Management, ICPR-AEM-QIEM 2014, Cluj-Napoca, România, pp. 379-383, ISBN 978-973662978-5, WOS:000346410700046, 1-5 July 2014.
<https://www.webofscience.com/wos/alladb/full-record/WOS:000346410700046>

- [23]. Hebedean Claudia, Munteanu C., **Răcășan Adina**, Păcurar Claudia, *HF Losses Improvement for a Planar Integrated EMI Filter*, 2014 International Conference on Production Research – Regional Conference Africa, Europe and the Middle East 3rd International Conference on Quality and Innovation in Engineering and Management, ICPR-AEM-QIEM 2014, Cluj-Napoca, România, pp. 235-240, ISBN 978-973-662-978-5, WOS:000346410700046, 1-5 July 2014.
<https://www.webofscience.com/wos/alladb/full-record/WOS:000346410700046>

1 citare BDI:

- 43) Iudean D., Munteanu R. jr., Muresan C., Plop A., Paul A.I., *Indicating Device for Measuring Blood Alcohol*, Acta Electrotehnica, vol. 55, no. 3-4, pp. 131-134, 2014.
<https://web.p.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=18413323&AN=102305276&h=i5tS%2fHFJ9JS%2fp5opbjw13Jt9%2bkzcHkdOn8CQLh%2fbXJJoPe1O%2bDX0BF%2bOHIEADzFMKG%2fVEmwMyHf3jIR5Rs4oyA%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNoProfile&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d18413323%26AN%3d102305276>

- [24]. Hebedean Claudia, Munteanu C., **Răcășan Adina**, Păcurar Claudia, Augustin D., *The Influence of Parameters on the Parasitic Capacitance Values in a Planar Transformer*, The 9th International Symposium on Advanced Topics in Electrical Engineering, ATEE 2015, Bucuresti, România, pp. 838

– 343, ISBN 978-1-4799-7514-3, WOS:000368159800154, 7-9 May 2015.

[The Influence of Parameters on the Parasitic Capacitance Values in a Planar Transformer-Web of Science Core Collection](#)

3 citări WOS:

64. Kamali-Sarvestani R., Nielson E., Weber P., Johnston A., *Application of Auto-Catalytic Metallization as a Sustainable Technique for Planar Inductor Fabrication*, 2016 IEEE Conference on Technologies for Sustainability (Sustech), Phoenix, AZ, WOS:000406499300009, ISBN:978-1-5090-4158-9, ISSN:2640-6829, eISSN:2640-6810, 9-11 Oct. 2016.
<https://www.webofscience.com/wos/alldb/full-record/WOS:000406499300009>
65. Wang N.Z., Yang X., Zhou A.Y., Xie Y.T., *A Novel Experimental Measurement Method of Transformer Parasitic Capacitances*, 2019 10th International Conference on Power Electronics and ECCE ASIA (ICPE 2019 - ECCE ASIA), WOS:000589400301134, ISBN:978-89-5708-313-0, 2019.
<https://www.webofscience.com/wos/alldb/full-record/WOS:000589400301134>
66. Zacher, Benjamin H., Schumann, C, *Fast Switching Planar Inductance Current Source ZETA Converter with Integrated Common Mode Filter*, 2022 24th European Conference on Power Electronics and Applications (Epe'22 Ecce Europe), ISSN 2325-0313, WOS:000886231600019, 2022.

[Citations of The Influence of Parameters on the Parasitic Capacitance Values in a Planar Transformer – 3 – Web of Science Core Collection](#)

2 citări BDI:

- 44) Petrescu M.-C. Petrescu L. Cazacu E., *Influence of planar transformer windings interleaving on parasitic parameters*, EEA - Electrotehnica, Electronica, Automatica Volume 66, Issue 2, Pages 45 – 50, ISSN: 15825175, 1 April 2018.
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85049240987&origin=resultslist&sort=plf-f&cite=2-s2.0-84939536376&src=s&imp=t&sid=8f80f405ae591b1823235e251b53d4ed&sot=cite&sdt=a&sl=0&relpos=1&citeCnt=0&searchTerm=>
- 45) Makki, Loreine; Laspeyres, Antoine; Descamps, Anne-Sophie; Weckbrodt, Julien; Mannah, Marc Anthony; Batard, Christophe; Ginot, Nicolas, *Dielectric Material Significance on Common Mode Transient Immunity of a Shielded Pulse Planar Transformer*, 14th International conference of the IMACS TC1 Committee, ELECTRIMACS 2022, vol. 993 LNEE, pp 167 – 1772023, 16 May 2022
[Scopus - Document details - Dielectric Material Significance on Common Mode Transient Immunity of a Shielded Pulse Planar Transformer | Signed in](#)

[25]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, Hebedean Claudia, Marcu C., *Home Appliances Conducted Electromagnetic Emissions Analysis and Mitigation Methods*, The 9th International Symposium on Advanced Topics in Electrical Engineering, ATEE 2015, Bucuresti, România, pp. 356 – 361, ISBN 978-1-4799-7514-3, WOS:000368159800067, 7-9 May 2015.

[Home Appliances Conducted Electromagnetic Emissions Analysis and Mitigation Methods-Web of Science Core Collection](#)

3 citări BDI:

- 46) Crețu, M., Ceclan, A., Czumbil, L., Bărgăuan, B., Micu, D.D., *Key Performance Indicators (KPIs) for the Evaluation of the Demand Response in the Technical University of Cluj-Napoca Buildings* Proceedings of 2019 8th International Conference on Modern Power Systems, DOI:10.1109/MPS.2019.8759794, ISBN: 978-172810750-9, MPS 2019.
<https://ieeexplore.ieee.org/document/8759794>
- 47) Hardiles, Tri Desmana Rachmildha, Deny Hamdani, Wisnu Ananda and Seto Ayom Cahyadi, *Reducing Conducted Emission in EMC Measurement of Smart Street Lighting*, International Journal of Mechanical Engineering and Robotics Research Volume 8, Issue 3, Pages 466 – 471, DOI:10.18178/ijmerr.8.3.466-471, ISSN: 22780149, 1 May 2019.
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85065580550&origin=resultslist&sort=plf-f&cite=2-s2.0-84939544023&src=s&imp=t&sid=bf25d949093efb9740875831e1f40074&sot=cite&sdt=a&sl=0&relpos=1&citeCnt=0&searchTerm=>
- 48) Nguyen-Tat N., Nguyen-Xuan L. and Nguyen T., *A Cost-Effective High-Performance Conducted Emission Test Solution to Comply with MIL-STD-461F/G Standard*, 2021 8th NAFOSTED Conference on Information and Computer Science (NICS), Hanoi, Vietnam, pp. 435-439, doi: 10.1109/NICS54270.2021.9701470, 2021.
<https://ieeexplore.ieee.org/abstract/document/9701470>

[26]. Pop F., Munteanu C., **Răcășan Adina**, Păcurar Claudia, Prusu S., Mihai G., *Evaluation of Conducted Disturbances from LED Lamps According to EN 55015*, 2016 International Conference on

Communications COMM 2016, Bucuresti, România, pp. 517-520, ISBN 978-1-4673-8197-0, WOS:000383221900103, 9-11 June 2016.

[Evaluation of Conducted Disturbances from LED Lamps According to EN 55015-Web of Science Core Collection](#)

3 citări WOS:

67. Long L. C., Wibisono M. A., Moonen N., Smolenski R. and Lezynski P., *Characteristic of Conducted EMI in Compact Fluorescent Lamps Application Assessment based on CISPR-11*, Proceedings of the 2021 Asia-Pacific International Symposium on Electromagnetic Compatibility (APEMC 2021), WOS:000900755500031, 2021.
[Characteristic of Conducted EMI in Compact Fluorescent Lamps Application Assessment based on CISPR-11-Web of Science Core Collection](#)
68. Long L.C., El Sayed W., Munesswaran V., Moonen N., Smolenski R., Lezynski P., *Assessment of Conducted Emission for Multiple Compact Fluorescent Lamps in Various Grid Topology*, ELECTRONICS, Volume10, Issue18, SEP 2021, WOS: 000699152700001, DOI: 10.3390/electronics10182258, eISSN: 2079-9292, 2021.
<https://www.webofscience.com/wos/allldb/full-record/WOS:000699152700001>
69. Kurylo, Kazimierz; Sabat, Wieslaw; Klepacki, Dariusz; Kamuda, Kazimierz, *Comparison of Two Measurement Methods for the Emission of Radiated Disturbances Generated by LED Drivers*, Energies MDPI Journal, vol 15, issue 24, WOS:000902751800001, DOI10.3390/en15249372, eISSN1996-1073, 2022.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000902751800001>

5 citări BDI:

- 49) Wibisono M.A., Moonen N., Leferink F., *Interference of LED Lamps on Narrowband Power Line Communication*, 2020 IEEE International Symposium on Electromagnetic Compatibility and Signal/Power Integrity, EMC/ SI 2020, art. no. 9191485, pp. 219-221, DOI: 10.1109/EMCSI38923.2020.9191485, ISBN:978-1-7281-7430-3, 2020.
[Scopus - Document details - Interference of LED Lamps on Narrowband Power Line Communication | Signed in](#)
- 50) Zeghoudi Abdelhakim, Bendaoud Abdelber, Canale Laurent, Tilmatine Amar, Slimani Helima, *Common Mode and Differential Mode noise of AC/DC LED Driver*, Environment and Electrical Engineering and 2021 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe) 2021 IEEE International Conference on, pp. 1-6, 2021.
[Scopus - Document details - Common Mode and Differential Mode noise of AC/DC LED Driver | Signed in](#)
- 51) Emleh A., Ferreira H., Han Vinck A., *LED Lighting and the Impact on the PLC Channel*, Advances in Science, Technology and Engineering Systems Journal, vol. 6, pp. 933, 2021.
<https://astesj.com/v06/i02/p106/>
[Evaluation of conducted disturbances from LED lamps according to EN 55015 | IEEE Conference Publication | IEEE Xplore](#)
- 52) Abdelhakim Zeghoudi, Abdelber Bendaoud, Helima Slimani, Baghdadi Benazza, Houcine Miloudi, Laurent Canale, *Power impact and electromagnetic disturbances of different lighting modes from spot LED lamp*, Optik, vol.269, pp.169898, 2022.
[uj_42649+SOURCE1+SOURCE1.1.pdf](#)
[Evaluation of conducted disturbances from LED lamps according to EN 55015 | IEEE Conference Publication | IEEE Xplore](#)
- 53) Zeghoudi, A., Bendaoud, A., Canale, L., Lucache, D., *Comparative Study of Electromagnetic Disturbances between Single-Stage and Two-Stages AC/DC Boost Flyback Converters for LED Lighting Applications*, International Conference on Modern Power Systems, MPS 2023, DOI 10.1109/MPS58874.2023.10187534, 2023.
[Scopus - Document details - Comparative Study of Electromagnetic Disturbances between Single-Stage and Two-Stages AC/DC Boost Flyback Converters for LED Lighting Applications | Signed in](#)

[27]. Pop F., Munteanu C., Păcurar Claudia, **Răcășan Adina**, Prusu S., Avram A., Chiorean C., *Pre Compliance Test for Conducted Emissions*, 2016 International Conference on Production Research–Regional Conference Africa, Europe and the Middle East 4rd International Conference on Quality and Innovation in Engineering and Management, QIEM 2016, Cluj Napoca, România, pp. 191-196, ISBN 978-606-737-180-2, WOS:000436122900032, 25-30 July 2016.

[Pre-Compliance Test for Conducted Emissions-Web of Science Core Collection](#)

1 citare WOS:

70. Munteanu C.V.A, Chiritoiu G.N., Petrescu A.J., Petrescu S.M., *Profiling Optimal Conditions for Capturing EDEM Proteins Complexes in Melanoma Using Mass Spectrometry*, Advances in Experimental Medicine and Biology, Volume 1140, Page 155-167, WOS:000514082500010, DOI10.1007/978-3-030-15950-4_9, PubMed ID31347047, ISBN:978-3-030-15950-4978-3-030-15949-8, ISSN:0065-2598, eISSN:2214-8019, 2019.
<https://www.webofscience.com/wos/allldb/full-record/WOS:000514082500010>

- [28]. Cretu Mihaela, Darabant Laura, **Racasan Adina**, *Modelling the Passive Behavior of the Nervous Cell. Influence of Electric Parameters Variation*, 5th International Conference on Advancements of Medicine and Health Care through Technology, MEDITECH, ISBN: 978-3-319-52875-5/978-3-319-52874-8, ISSN: 1680-0737; Cluj Napoca, Romania, 12-15 Octombrie, 2016.
[Modelling the Passive Behavior of the Nervous Cell. Influence of Electric Parameters Variation-Web of Science Core Collection](#)
- [29]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, Hebedean Claudia, Cislariu Mihaela, *Analysis, Identification and Minimization the Parasitic Effects of the Multilayer Spiral Inductors*, Proc. of the 2016 International Conference and Exposition on Electrical and Power Engineering, EPE 2016, Iași, România, pp. 392-397, ISBN 978-1-4799-5849-8, WOS:000390706300079, ISSN: 2471-6855, 20-22 Octombrie 2016.
[Analysis, Identification and Minimization the Parasitic Effects of the Multilayer Spiral Inductors-Web of Science Core Collection](#)
- [30]. Păcurar Claudia, Țopa V., **Răcășan Adina**, Munteanu C., Constantinescu Claudia, Pop F., Andreica S., Cislariu Mihaela, *High Frequency Multilayer Spiral Inductors Modeling*, International Conference on Production Research–Regional Conference Africa, Europe and the Middle East 4rd International Conference on Quality and Innovation in Engineering and Management, QIEM, Cluj Napoca, România, pp. 111-116, ISBN 978-606-737-180-2, WOS:000436122900019, 2016.
[High Frequency Multilayer Spiral Inductors Modeling-Web of Science Core Collection](#)
- [31]. Andreica S., Păcurar Claudia, Țopa V., **Răcășan Adina**, Constantinescu Claudia, Gliga M., *The Analysis of the Multilayer Spiral Inductors Parameters at High Frequency*, Proceedings - 2017 International Conference on Modern Power Systems, MPS 2017, Cluj-Napoca, România, ISBN 978-1-5090-6565-3/17, DOI: 10.1109/MPS.2017.7974429, 6-9 June 2017.
[The Analysis of the Multilayer Spiral Inductors Parameters at High Frequency-Web of Science Core Collection](#)
- [32]. Andreica Sergiu, Gliga Marian, **Răcășan Adina**, Munteanu Călin, Păcurar Claudia, Constantinescu Claudia, *Study of conducted electromagnetic emissions of a wireless power system*, 2017 International Conference on Electromechanical and Power Systems, SIELMEN 2017, DOI: 10.1109/SIELMEN.2017.8123296, pp. 191-195, ISBN 978-1-5386-1845-5, 11-13 Oct. 2017.
[Study of Conducted Electromagnetic Emissions of a Wireless Power System-Web of Science Core Collection](#)
- [33]. Prusu S., Munteanu C., **Racasan Adina**, Pop F., Gliga R., *The Influence of Vibrations on Conducted Emissions*, 7th International Conference on Modern Power Systems (MPS), ISBN 978-1-5090-6565-3/17, Cluj Napoca, România, 6-9 June 2017.
[The Influence of Vibrations on Conducted Emissions-Web of Science Core Collection](#)
- [34]. Pop F., Munteanu C., **Racasan Adina**, Prusu S., *The Assessment of human exposure to Radiated Fields from different types of lighting*, 7th International Conference on Modern Power Systems (MPS), Cluj-Napoca, România, ISBN 978-1-5090-6565-3/17, 6-9 June 2017.
[The Assessment of human exposure to Radiated Fields from different types of lighting-Web of Science Core Collection](#)
- [35]. Gliga M., **Răcășan Adina**, Munteanu C., Andreica S., Păcurar Claudia, Țopa V., Constantinescu Claudia, *The Influence of Ferrite on the Spiral Inductors Inductance used for the Design of Wireless Power Systems*, Proceedings - 2017 International Conference on Modern Power Systems, MPS, Cluj-Napoca, România, ISBN 978-1-5090-6565-3/17, DOI: 10.1109/MPS.2017.7974431, 2017.
[The Influence of Ferrite on the Spiral Inductors Inductance used for the Design of Wireless Power Systems-Web of Science Core Collection](#)
- 1 citare WOS:**
71. Muresan C., Ardelean M.I., Tebrean B., Crisan S., *LabVIEW Program for Implementing Hilbert Spaces Algorithms in Power Systems Analysis*, Proceedings of 2019 8TH International Conference on Modern Power Systems (MPS), WOS:000612401900032, DOI: 10.1109/MPS.2019.8759681, ISBN:978-1-7281-0750-9, 2019.
<https://www.webofscience.com/wos/allodb/full-record/WOS:000612401900032>
- [36]. **Răcășan Adina**, Păcurar Claudia, Munteanu C., Constantinescu Claudia, Andreica S., Dusa S., *High Frequency Analysis of Monolayer Spiral Inductors*, Proceedings - 2017 International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2017 and 2017 Intl Aegean Conference on Electrical Machines and Power Electronics, ACEMP 2017, Brașov, România, pp. 116 – 121, ISBN 978-1-5090-4488-7/17, DOI: 10.1109/OPTIM.2017.7974957, 25-27 May 2017.
[High Frequency Analysis of Monolayer Spiral Inductors-Web of Science Core Collection](#)
- [37]. Constantinescu Claudia, Munteanu C., **Racasan Adina**, Păcurar Claudia, *Influence of the Patch*

Antenna Feeding on their Parameters, 10th International Conference and Expositions on Electrical and Power Engineering (EPE), pp 235-240, ISBN 978-1-5386-5062-2, 2018.

[Influence of the Patch Antenna Feeding on their Parameters-Web of Science Core Collection](#)

- [38]. Constantinescu Claudia, Munteanu C., Pacurar Claudia, **Racasan Adina**, Gliga M., Andreica S., *High Frequency Analysis of Bowtie Antennas*, 2019 11th International Symposium on Advanced Topics in Electrical Engineering, ATEE 2019, Bucharest, Romania, 28-30 March 2019, ISBN: 978-147997514-3, DOI 10.1109/ATEE.2019.8724972, WOS: 000475904500129, 2019.

[High Frequency Analysis of Bowtie Antennas-Web of Science Core Collection](#)

- [39]. Andreica S., Munteanu C., Gliga M., Pacurar Claudia, **Giurgiuman Adina**, Constatinescu Claudia, Butnar L., Pop F., *EMC Study for Different Types of Lamps with the same Luminous Flux*, 8th International Conference on Modern Power Systems, MPS 2019, Cluj-Napoca, Romania, ISBN: 978-1-7281-0750-9, DOI: 10.1109/MPS.2019.8759671, WOS: 000612401900022, 2019.

[EMC Study for Different Types of Lamps with the same Luminous Flux-Web of Science Core Collection](#)

2 citări BDI:

- 54) Kumar, S., Kumar, M.R., Radiated Emission Characterization of LED, CFL & Incandescent Bulbs, 2023 Joint Asia-Pacific International Symposium on Electromagnetic Compatibility and International Conference on ElectroMagnetic Interference and Compatibility, APEMC/INCEMIC 2023, DOI 10.1109/APEMC57782.2023.10217647, 2023.

[Scopus - Document details - Radiated Emission Characterization of LED, CFL & Incandescent Bulbs | Signed in](#)

- 55) Nugraha, I.M.A., Desnanjaya, I.G.M.N., Siregar, J.S.M., Boikh, L.I., Technical-economic prospect for photovoltaic on fixed lift net in Indonesia, International Journal of Power Electronics and Drive Systems 14(3), pp. 1802-1808, DOI 10.11591/ijpeds.v14.i3, 2023.

[Scopus - Document details - Technical-economic prospect for photovoltaic on fixed lift net in Indonesia | Signed in](#)

- [40]. Constatinescu Claudia, Munteanu C., Pacurar Claudia, **Giurgiuman Adina**, Andreica S., Gliga M., *Numerical Modeling and Parametric Analysis of Induction Plates*, 2019 8th International Conference on Modern Power Systems, MPS 2019, Cluj-Napoca, Romania, ISBN: 978-1-7281-0750-9, DOI: 10.1109/MPS.2019.8759793, WOS: 000612401900137, 2019.

[Numerical Modeling and Parametric Analysis of Induction Plates-Web of Science Core Collection](#)

1 citare ISI:

72. Hitzemann, M.; Lippmann, M.; Trachte, J.; Nitschke, A.; Burckhardt, O.; Zimmermann, S. Wireless Low-Power Transfer for Galvanically Isolated High-Voltage Applications. *Electronics* 2022, 11, 923. <https://doi.org/10.3390/electronics11060923>.

<https://www.mdpi.com/2079-9292/11/6/923>

- [41]. Pop F., Munteanu C., **Giurgiuman Adina**, Prusu S., Pop Alina, *The Calculation of "F" Factor and Evaluation of Radiation Emitted by UV Lamps*, International Conference on Modern Power Systems MPS, Cluj-Napoca, România, ISBN 978-1-7281-0750-9, WOS: 000612401900062, 2019.

[The calculation of "F" factor and Evaluation of Radiation Emitted by UV Lamps-Web of Science Core Collection](#)

- [42]. Constantinescu C., Madas L.M., Grindei L., **Racasan Adina**, *Implementation of an App for Android Mobile Devices Designed for Electromagnetic Field Problems Solving*, 2019 8th International Conference on Modern Power Systems, MPS 2019, Cluj-Napoca, Romania, ISBN: 978-1-7281-0750-9, DOI: 10.1109/MPS.2019.8759688, WOS: 000612401900018, 2019.

[Implementation of an App for Android Mobile Devices Designed for Electromagnetic Field Problems Solving-Web of Science Core Collection](#)

- [43]. **Giurgiuman Adina**, Munteanu C., Pacurar Claudia, Constantinescu Claudia, Gliga M., Andreica S., *High Frequency Analysis of Bandpass Filters*, 8th International Conference on Modern Power Systems, MPS, Cluj-Napoca, Romania, ISBN: 978-1-7281-0750-9, WOS: 000612401900079, 2019.

[High Frequency Analysis of Bandpass Filters-Web of Science Core Collection](#)

- [44]. Gliga M., Munteanu C., Andreica S., Pacurar Claudia, Constatinescu Claudia, **Giurgiuman Adina**, *Study of Electromagnetic Immunity of Motors used in Automotive Applications*, 2019 International Conference on Electromechanical and Energy Systems, SIELMEN 2019, Craiova, Romania, ISBN: 978-1-7281-4012-4, DOI: 978-1-7281-4012-4, WOS: 000630287500054, 2019.

[Study of Electromagnetic Immunity of Motors used in Automotive Applications-Web of Science Core Collection](#)

- [45]. Gliga M., Munteanu C., Andreica S., Pacurar Claudia, Constatinescu Claudia, **Giurgiuman Adina**, Pop I., *Numerical Modeling and Parametric Analysis of a Switched Reluctance Motor*, 2019 8th International Conference on Modern Power Systems, MPS 2019, Cluj-Napoca, Romania, ISBN: 978-1-7281-0750-9, DOI: 10.1109/MPS.2019.8759688, WOS: 000612401900039, 2019.

1 citare WOS:

73. Tchavychalov M. V., Grebennikov N. V., Trinz D. V., *SRM Simulation with Reduced Amount of Initial Information*, 2020 International Conference on Industrial Engineering, Applications and Manufacturing (ICIEAM), WOS: 000607234900205, ISBN:978-1-7281-4590-7, 2020.
<https://www.webofscience.com/wos/allldb/full-record/WOS:000607234900205>

2 citări BDI:

- 56) Stan, A., Costinaș, S., Dynamic Modeling and Analysis of VSC-HVDC Links in Large AC Networks using EUROSTAG Software, Proceedings of 2023 10th International Conference on Modern Power Systems, MPS 2023, DOI 10.1109/MPS58874.2023.10187593, 2023.
[Scopus - Document details - Dynamic Modeling and Analysis of VSC-HVDC Links in Large AC Networks using EUROSTAG Software | Signed in](#)
- 57) Mureșan, C., Țebrean, B., Copîndean, R., Crișan, T.E., Stoica, T., *A LabVIEW Power Quality Analysis Application for a Three-phase Systems*, Proceedings of 2023 10th International Conference on Modern Power Systems, MPS 2023, DOI 10.1109/MPS58874.2023.10187434, 2023.
[Scopus - Document details - A LabVIEW Power Quality Analysis Application for a Three-phase Systems | Signed in](#)
- [46]. Pacurar Claudia, Topa V., **Giurgiuman Adina**, Munteanu C., Constantinescu Claudia, Andreica S., Gliga M., *Modelling and Analysis of the Halbach Array Magnets*, 2019 11th International Symposium on Advanced Topics in Electrical Engineering, ATEE 2019, Bucharest, Romania, 28-30 March 2019, ISBN: 978-147997514-3, DOI 10.1109/ATEE.2019.8724977, WOS:000475904500134, 2019.
[Modelling and Analysis of the Halbach Array Magnets-Web of Science Core Collection](#)

1 citare ISI:

74. Yoshida, R.; Kitajima, J.; Sakae, T.; Sato, M.; Mizuno, T.; Shimoda, Y.; Kubota, A.; Wada, S.; Kichiji, T.; Kumagai, H. Effect of Magnetic Properties of Magnetic Composite Tapes on Motor Losses. *Energies* 2022, 15, 7991. <https://doi.org/10.3390/en15217991>
[Citations of Modelling and Analysis of the Halbach Array Magnets – 1 – Web of Science Core Collection](#)
- [47]. Pacurar Claudia, Topa V., **Giurgiuman Adina**, Munteanu C., Constantinescu Claudia, Gliga M., Andreica S., *The Construction of a Wireless Power Supply System using Planar Spiral*, 2019 8th International Conference on Modern Power Systems (MPS), Cluj-Napoca, Romania, ISBN: 978-1-7281-0750-9, DOI: 10.1109/MPS.2019.8759779, WOS: 000612401900123, 2019.
[The Construction of a Wireless Power Supply System using Planar Spiral Inductors-Web of Science Core Collection](#)

3 citări ISI:

75. Faria A.R.S., Marques L.S., Gaspar J., Alves F.S., Cabral J.M.N.S., *High precision, geometry independent analytical method for self-inductance calculation in planar coils*, Proceedings of the IEEE International Conference on Industrial Technology, DOI:10.1109/ICIT46573.2021.9453559, ISBN:978-172815730-6, 2021.
[High precision, geometry independent analytical method for self-inductance calculation in planar coils-Web of Science Core Collection](#)
76. Faria A., Marques L., Ferreira C., Alves F., Cabral J., *A Fast and Precise Tool for Multi-Layer Planar Coil Self-Inductance Calculation*, *Sensors*, 21, 4864, 2021.
[A Fast and Precise TOOL for Multi-Layer Planar Coil Self-Inductance Calculation-Web of Science Core Collection](#)
77. Zichen Song, Bo Zhou, Miniaturized lumped quadrature hybrid using inductance- and integration-enhanced inductors for VHF band applications, *Int J RF Microw Comput Aided Eng.* 2022;32(12): e23431. doi:10.1002/mmce.23431, 2022.
[Miniaturized lumped quadrature hybrid using inductance- and integration-enhanced inductors for VHF band applications-Web of Science Core Collection](#)

1 citare BDI:

- 58) Farkas Timea, Levente Czumbil, Mihaela Cretu, Laura Darabant, Denisa Stet, Andrei Ceclan, Alexis Polycarpou, Dan Doru Micu, *Assessment of the Romanian pilot site energy consumption indicators and technical prerequisites in the implementation of the RE-COGNITION Horizon project*, International Conference on Modern Power Systems (MPS), DOI: 10.1109/MPS52805.2021.9492686, Electronic ISBN:978-1-6654-3382-2, 2021.
[Scopus - Document details - Assessment of the Romanian pilot site energy consumption indicators and technical prerequisites in the implementation of the RE-COGNITION Horizon project](#)
- [48]. Andreica S., Munteanu C., Gliga M., Păcurar Claudia, **Giurgiuman Adina**, Constantinescu Claudia, Morari C., *Interlaboratory Comparison of Electromagnetic Fields in Power Supply Systems*, 2021

- 9th International Conference on Modern Power Systems (MPS), DOI 10.1109/MPS52805.2021.9492559, ISBN 978-1-6654-3381-5, WOS:000941563300019, 2021.
[Interlaboratory Comparison of Electromagnetic Fields in Power Supply Systems-Web of Science Core Collection](#)
- [49]. **Giurgiuman Adina**, Munteanu C., Pacurar Claudia, Constantinescu Claudia, Gliga M., Andreica S., *The Influence of the Geometric Shapes of the Component Elements of the Planar Filter on its Parameters*, International Conference on Modern Power Systems (MPS), DOI 10.1109/MPS52805.2021.9492641, ISBN 978-1-6654-3381-5, WOS:000941563300065, 2021.
[The Influence of the Geometric Shapes of the Component Elements of the Planar Filter on its Parameters-Web of Science Core Collection](#)
- [50]. Pacurar Claudia, Topa V., **Giurgiuman Adina**, Munteanu C., Constantinescu Claudia, Gliga M., Andreica S., *Planar Spiral Inductors Parameter Extraction needed to design a Wireless Power Supply System*, International Conference on Modern Power Systems (MPS), DOI 10.1109/MPS52805.2021.9492709, ISBN 978-1-6654-3381-5, WOS:000941563300104, 2021.
[Planar Spiral Inductors Parameter Extraction needed to design a Wireless Power Supply System-Web of Science Core Collection](#)
- [51]. Constantinescu Claudia, Pacurar Claudia, **Giurgiuman Adina**, Munteanu C., Andreica S., Gliga M., *Numerical Modelling and Analysis of Circular Patch Antenna Array for Further Use Determination*, International Conference on Modern Power Systems (MPS), DOI 10.1109/MPS52805.2021.9492557, ISBN 978-1-6654-3381-5, WOS:000941563300018, 2021.
[Numerical Modelling and Analysis of Circular Patch Antenna Array for Further Use Determination-Web of Science Core Collection](#)
- [52]. Gliga M., Munteanu C., Andreica S., Pacurar Claudia, **Giurgiuman Adina**, Constantinescu Claudia, *Optimization of the Control Circuit of a Wireless Power Supply System*, 2021 9th International Conference on Modern Power Systems (MPS), DOI 10.1109/MPS52805.2021.9492569, ISBN 978-1-6654-3381-5, WOS:000941563300022, 16-17 June 2021.
[Optimization of The Control Circuit of A Wireless Power Supply System-Web of Science Core Collection](#)

Articole în reviste și în volume ale unor manifestări științifice indexate în alte baze de date internaționale, BDI

Reviste BDI

- [1]. **Racasan Adina**, Munteanu C., Topa V., Muresan T., Costin Ana-Maria, *Analysis of the Electromagnetic Interferences Generated by the HV Power Lines on the RF-type GSM Antennas*, Acta Electrotechnica, vol. 46, no. 4, pp. 204-209, ISSN 1841-3323, 2005.
http://scholar.google.com/scholar?start=50&q=Racasan+Adina&hl=en&as_sdt=0.5
http://scholar.google.com/scholar?q=Racasan+Analysis+of+the+Electromagnetic+Interferences+Generated+by+the+HV+Power+Lines+on+the+RF-type+GSM+Antennas&btnG=&hl=ro&as_sdt=0%2C5
- [2]. Antonescu Oana, Munteanu C., Topa V., **Răcășan Adina**, Răcășan Claudia, Plesa Mihaela, Man L., Vermesan C., Pop I. T., *Numerical Analysis of the Lightning Waves Propagation on High Voltage Lines*, Acta Electrotechnica Journal, vol. 46, no. 4, pp. 210-217, ISSN 1841-3323, 2005.
http://scholar.google.com/scholar?start=50&q=Răcășan+Adina&hl=en&as_sdt=0.5
http://ie.utcluj.ro/Contents_Acta_ET/2005/Number%204/Paper10_Antonescu.pdf
- [3]. Plesa Mihaela, Cret Laura, Ciupa R. V., Antonescu Oana, Răcășan Claudia, **Răcășan Adina**, Man L., *Remarks on the Electric Field Induced in Nerve Fibers by Magnetic*, Acta Electrotechnica Journal, vol. 46, no. 4, pp. 225-231, ISSN 1841-3323, 2005.
http://scholar.google.com/scholar?start=20&q=Răcășan+Adina&hl=en&as_sdt=0.5
http://ie.utcluj.ro/Contents_Acta_ET/2005/Number%204/Paper12_Plesa.pdf
- [4]. Răcășan Claudia, Topa V., **Răcășan Adina**, Munteanu C., Antonescu Oana, Man L., *On-Chip Inductance Extraction*, Acta Electrotechnica Journal, vol. 47, no. 1, pp. 51-54, ISSN 1841-3323, 2006.
http://scholar.google.com/scholar?start=20&q=Răcășan+Adina&hl=en&as_sdt=0.5
http://ie.utcluj.ro/Contents_Acta_ET/2006/Number%201/Paper09_Răcășan.pdf
- [5]. Răcășan Claudia, Topa V., **Răcășan Adina**, Antonescu Oana, Plesa Mihaela, *Study of On-Chip Inductance*, Acta Electrotechnica Journal, vol. 47, no. 1, pp. 45-50, ISSN 1841-3323, 2006.
http://scholar.google.com/scholar?start=20&q=Răcășan+Adina&hl=en&as_sdt=0.5
http://ie.utcluj.ro/Contents_Acta_ET/2006/Number%201/Paper08_Răcășan.pdf
- [6]. **Răcășan Adina**, Munteanu C., Topa V., Răcășan Claudia, Antonescu Oana, Plesa Mihaela, *Techniques to Reduce ESL for EMI Filters Integration*, Acta Electrotechnica, vol. 47, no. 1, pp. 41-44,

ISSN 1841-3323, 2006.

http://scholar.google.com/scholar?start=20&q=Răcășan+Adina&hl=en&as_sdt=0,5
http://ie.utcluj.ro/Contents_Acta_ET/2006/Number%201/Paper07_Răcășan.pdf

- [7]. Purcar M., Munteanu C., Topa V., Grindei Laura, **Răcășan Adina**, *Actual Stage of the Research Regarding the AC Interferences on Common Corridors*, Acta Electrotehnica, vol. 50, no. 4, pp. 289-294, ISSN: 1841-3323, Dec 2009.
http://scholar.google.com/scholar?q=Actual+Stage+of+the+Research+Regarding+the+AC+Interferences+on+Common+Corridors&btnG=&hl=en&as_sdt=0%2C5
http://www.old.ie.utcluj.ro/Contents_Acta_ET/2009/Number4/Paper11_Purcar.pdf
- [8]. Munteanu C., Topa V., Purcar M., Grindei Laura, **Răcășan Adina**, *Numerical Computation of the Induced Potential on Pipelines by Overhead Lines*, Acta Electrotehnica, vol. 51, no. 4, pp. 285-289, ISSN: 1841-3323, 2010.
http://scholar.google.com/scholar?start=90&q=Munteanu+Calin&hl=en&as_sdt=0,5
http://ie.utcluj.ro/files/acta/2010/Number4/Paper12_Munteanu.pdf
- [9]. **Răcășan Adina**, Munteanu C., Topa V., Păcurar Claudia, Hebedean Claudia, Lup S., *Advances on Parasitic Capacitance Reduction of EMI Filters*, Analele Universitatii din Craiova, Seria Inginerie Electrica, pp. 220-223, ISSN 1842-4805, România, 2010.
[Advances On Parasitic Capacitance Reduction Of Emi Filters | Annals Of The \(indexcopernicus.com\)](http://www.indexcopernicus.com/Advances-On-Parasitic-Capacitance-Reduction-Of-Emi-Filters)
- 2 citări BDI
- 59) R. Kumar Verma, Tanmoy M., Ivan W. Hofsjajer, Multipath conductors for EMI filter: recent Developments, IET Sci. Meas. Technol., Vol. 12 Iss. 5, pp. 575-580, ISSN 1751-8822, 2018
<https://ietresearch.onlinelibrary.wiley.com/doi/pdf/10.1049/iet-smt.2017.0148>
- 60) Sobko Aleksandr Aleksandrovich, Overview of Passive Conductive Electromagnetic Interference Suppression Devices, Electronic Means and Control Systems. Materials of the Reports of the International Scientific and Practical Conference, pp. 3014-308, 2018
<https://www.elibrary.ru/item.asp?id=39252108>
- [10]. Hebedean Claudia, Munteanu C., **Răcășan Adina**, Antonescu Oana, *Parasitic Capacitance Cancellation for EMI Filters with an Embedded Ground Layer*, Analele Universitatii din Craiova, vol. 1, no. 35, Craiova, Romania, pp. 13-18, ISSN 1842-4805, 2011.
<http://elth.ucv.ro/fisiere/anale/2011/03.pdf>
http://scholar.google.com/scholar?hl=en&q=Racasan+Adina&btnG=&as_sdt=1%2C5&as_sdtp=
- [11]. **Răcășan Adina**, Munteanu C., Păcurar Claudia, Hebedean Claudia, *Method used in Order to Increase High Frequency Losses in Planar Structures*, Buletinul AGIR, nr.3/2013, pp. 51-56, ISSN 1224-7928, România 2013.
http://scholar.google.com/scholar?start=50&q=Răcășan+Adina&hl=en&as_sdt=0,5
<http://www.agir.ro/buletine/1808.pdf>
- [12]. Hebedean Claudia, Munteanu C., **Răcășan Adina**, Păcurar Claudia, *Study of the Parasitic Capacitance Values in a Planar Structure when the High Frequency Loss Increase Methods are Applied*, Buletinul Institutului Politehnic din Iași, Tomul LIX(LXIII), Fasc.4, 2013, Sectia Electrotehnica, Energetica, Electronica, pp. 183-190, ISSN 1223-8139, 2013.
[Study of the Parasitic Capacitance Values in a Planar Structure When the Hi \(indexcopernicus.com\)](http://www.indexcopernicus.com/Study-of-the-Parasitic-Capacitance-Values-in-a-Planar-Structure-When-the-Hi)
- [13]. **Răcășan Adina**, Munteanu C., Topa V., Păcurar Claudia, Hebedean Claudia, *Improving Filter Performances for Conducted Electromagnetic Interferences Suppression*, Analele Universitatii „Eftimie Murgu” Resita, Anul XXI, nr. 3, pp. 223 – 234, ISSN 1453-7397, 2014.
[Improving Filter Performances for Conducted Electromagnetic Interferences Suppression – DOAJ](http://www.indexcopernicus.com/Improving-Filter-Performances-for-Conducted-Electromagnetic-Interferences-Suppression-DOAJ)
- [14]. Păcurar Claudia, Topa V., **Răcășan Adina**, Munteanu C., Hebedean Claudia, Rafiroiu D., Pop F. *Analysis of the Patch Antennas at High Frequency*, Acta Electrotehnica Journal, vol. 55, no. 3-4, pp. 169-173, ISSN 2344-5637, ISSN 1841-3323, România, 2014.
<https://open.ebsco.com/search/eds/details?query=Analysis%20of%20the%20Patch%20Antennas%20at%20High%20Frequency&requestCount=2&db=edo&an=102305284&isbn>
- [15]. **Răcășan Adina**, Munteanu C., Păcurar Claudia, Topa V., Hebedean Claudia, Szabo L, *Numerical Modeling of Planar Electromagnetic Devices at High Frequency Using 3D CAD Programs*, Acta Electrotehnica Journal, vol. 55, no. 3-4, pp. 158-163, ISSN 2344-5637, ISSN L 1841-3323, România, Editura Mediamira, 2014.
<https://open.ebsco.com/search/eds/details?query=Numerical%20Modeling%20of%20Planar%20Electromagnetic%20Devices%20at%20High%20Frequency%20Using%20&requestCount=2&db=edo&an=102305282&isbn>
- [16]. Hebedean Claudia, Munteanu C., **Răcășan Adina**, Păcurar Claudia, Pop F., Bulugheana A., *Influence*

- of the Dielectric Layer on the Patch Antenna Parameters*, Acta Electrotehnica Journal, vol. 55, no. 3-4, pp. 164-168, ISSN 2344-5637, ISSN L 1841-3323, România, Editura Mediamira, 2014.
<https://open.ebsco.com/search/eds/details?query=Influence%20of%20the%20Dielectric%20Layer%20on%20the%20Patch%20Antenna%20Parameters&requestCount=2&db=edo&an=102305283&isbn>
- [17]. Păcurar Claudia, Țopa V., **Răcășan Adina**, Munteanu C., Hebedean Claudia, Raluca Oglejan, Gabriel Vlad, *Solenoid Actuator Parametric Analysis and Numerical Modeling*, Acta Electrotehnica, vol. 56, no. 3, pp. 246-251, ISSN: 1841-3323, România, 2015.
<https://open.ebsco.com/search/eds/details?query=Solenoid%20Actuator%20Parametric%20Analysis%20and%20Numerical%20Modeling&requestCount=2&db=edo&an=108706579&isbn>
- [18]. Păcurar Claudia, Țopa V., **Răcășan Adina**, Munteanu C., Constantinescu Claudia, Vid Mihaela, *Square Planar Spiral Inductor High Frequency Field and Parameters Analysis*, Acta Electrotehnica Journal, vol. 56, nr. 5, ISSN 2344-5637, ISSN-L 1841-3323, pp. 191-196, 2015.
<https://open.ebsco.com/search/eds/details?query=Square%20Planar%20Spiral%20Inductor%20High%20Frequency%20Field%20and%20Parameters%20Analysis&requestCount=2&db=edo&an=111950718&isbn>
- [19]. **Răcășan Adina**, Păcurar Claudia, Munteanu Călin, Țopa Vasile, Constantinescu Claudia, Szabo Lorand, Dodea Marius, *Electromagnetic Field Numerical Modeling using BEM2D*, Acta Electrotehnica Journal, vol. 56, nr. 5, ISSN 2344-5637, ISSN-L 1841-3323, pp. 197-202, 2015.
<https://open.ebsco.com/search/eds/details?query=Electromagnetic%20Field%20Numerical%20Modeling%20using%20BEM2D&requestCount=2&db=edo&an=111950719&isbn>
- [20]. Constantinescu Claudia, Munteanu Călin, **Răcășan Adina**, Păcurar Claudia, Daniel Fazacaș, *Electromagnetic Modeling and Frequency Response Determination for Planar Integrated LC Structures*, Acta Electrotehnica Journal, vol. 56, nr. 5, ISSN 2344-5637, ISSN-L 1841-3323, 2015.
<https://open.ebsco.com/search/eds/details?query=Electromagnetic%20Modeling%20and%20Frequency%20Response%20Determination%20for%20Planar%20Integrated%20LC&requestCount=2&db=edo&an=111950720&isbn>
- [21]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, Hebedean Claudia, Mociran B., *Conducted Electromagnetic Emissions Analysis and Suppression Methods*, Acta Electrotehnica, vol. 56, no. 3, pp. 291-296, ISSN: 1841-3323, România, 18-21 mai 2015.
<https://open.ebsco.com/search/eds/details?query=Conducted%20Electromagnetic%20Emissions%20Analysis%20and%20Suppression&db=edo&an=108706587&isbn>
- [22]. Hebedean Claudia, Munteanu C., **Răcășan Adina**, Păcurar Claudia, Avram A., *Planar Transformers Improvement in the Conducted Emissions Frequency Range*, Acta Electrotehnica, vol. 56, no. 3, pp. 128-132, ISSN: 1841-3323, România, 2015.
<https://open.ebsco.com/search/eds/details?query=Planar%20Transformers%20Improvement%20in%20the%20Conducted%20Emissions%20Frequency&requestCount=2&db=edo&an=108706556&isbn>
- [23]. Pop F., Munteanu C., **Răcășan Adina**, Păcurar Claudia, Constantinescu Claudia, *A Parallel Study Between Today And Yesterday About Electromagnetic Conducted Disturbances*, Buletinul Institutului Politehnic din Iași, Tomul LXI (LXV), Fasc. 4, 2015, Secția Electrotehnică. Energetică. Electronică, pp. 33-43, ISBN 978-606-567-284-0, 2015.
[A Parallel Study Between Today and Yesterday about Electromagnetic Conducted Disturbances \(indexcopernicus.com\)](http://indexcopernicus.com)
- [24]. **Răcășan Adina**, Păcurar Claudia, Țopa V., Constantinescu Claudia, Andreica S., *Techniques to Reduce the Parasitic Capacitance of the Multilayer Spiral Inductors*, Buletinul Institutului Politehnic din Iași, Secția Electrotehnică. Energetică. Electronică, vol. 62 (66), nr. 4, pp. 33-45, ISSN 1223-8139, 2016.
[Techniques to Reduce The Parasitic Capacitance of the Multilayer Spiral Ind \(indexcopernicus.com\)](http://indexcopernicus.com)
- [25]. Păcurar Claudia, **Răcășan Adina**, Constantinescu Claudia, Gliga Marian, Andreica Sergiu, *Practical Realisation and Analysis of Spiral Inductors for Wireless Power Supply Systems*, Acta Electrotehnica Journal, nr. 5/2016, vol. 57, ISSN 2344-5637, ISSN-L 1841-3323, pp. 548-553, 2016.
<https://open.ebsco.com/search/eds/details?query=Practical%20Realisation%20and%20Analysis%20of%20Spiral%20Inductors%20for%20Wireless%20Power%20Supply%20Systems&requestCount=2&db=edo&an=121702022&isbn>
- [26]. Constantinescu Claudia, **Răcășan Adina**, Păcurar Claudia, Andreica Sergiu, Pop Flaviu, *Induction Heating Spiral Inductor – Comparison between Practical Construction and Numerical Modeling*, Acta Electrotehnica Journal, nr. 5/2016, vol. 57, ISSN 2344-5637, pp. 542-547, 2016.
<https://open.ebsco.com/search/eds/details?query=Induction%20Heating%20Spiral%20Inductor%20E2%80%93%20Comparison%20between%20Practical%20Construction%20and%20Numerical%20Modeling&requestCount=2&db=edo&an=121702021&isbn>
- [27]. Păcurar Claudia, **Răcășan Adina**, Țopa Vasile, Munteanu Călin, Constantinescu Claudia, *Modeling, Simulation and Practical Realization of the Spiral Inductors Used in Wireless Power Systems*,

Analele Universitatii din Craiova, Seria Ing. Electrica, Special Issue, ISSN 1842-4805, pp.1-7, 2018.
<https://journals.indexcopernicus.com/api/file/viewByFileId/438874.pdf>

- [28]. Constantinescu C, Păcurar C, Munteanu C, **Giurgiuman Adina**, Andreica S., Gliga M, *Influence of the Geometrical Parameters of a Planar Yagi-Uda Antenna on its Performances*, IOP Conference Series: Materials Science and Engineering, ICEMS-BIOMED, 2022, pp. 1-12, DOI: 10.1088/1757-899X/1254/1/012017, 2022.
<https://iopscience.iop.org/article/10.1088/1757-899X/1254/1/012017/pdf>
- [29]. Păcurar C, Țopa V, **Giurgiuman Adina**, Munteanu C, Constantinescu C, Gliga M, Andreica S., *The influence of the patch antennas emissions on the human head*, IOP Conference Series: Materials Science and Engineering, ICEMS-BIOMED, 2022, pp. 1-14, DOI: 10.1088/1757-899X/1254/1/012018, 2022.
<https://iopscience.iop.org/article/10.1088/1757-899X/1254/1/012018/pdf>
- [30]. Constantinescu Claudia Alana, Pacurar Claudia, Giurgiuman Adina, Munteanu C., Dragan F., Andreica S., Gliga M., *The Influence of Human Tissues on the Patch Antennas' Parameters*, Transactions on Electromagnetic Spectrum, Vol.2, pp.38-48, Doi:10.5281/zenodo.7646244, 2023.
<https://tesjournal.com/index.php/home/article/view/25/21>

BDI Proceedings

- [1]. Antonescu Oana, Munteanu C., Țopa V., **Răcășan Adina**, Răcășan Claudia, Vermesan C., *Modeling the Propagation of the Lightning Pulse on High Voltage Lines*, Scientific Bulletin of the “Politehnica” University of Timisoara, Transaction on Power Engineering, Proc. of the 6th International Power Systems Conference, PSC 2005, Tom 50 (64) 2005, Fascicola 1-2, Timisoara, România, pp. 7-16, ISSN 1582-7194, 3-4 Noiembrie 2005.
http://scholar.google.com/scholar?start=50&q=Răcășan+Adina&hl=en&as_sdt=0.5
http://www.et.upt.ro/cee/ro/psc/PSC2005/index_files/Papers/L2.pdf
- [2]. Plesa Mihaela, Cret Laura, Ciupa R. V., Cretu T., **Răcășan Adina**, Răcășan Claudia, *About the Determination of the Spatial and Temporal Distribution of the Electric Field Induced in Human Tissue During Magnetic Stimulation*, Scientific Bulletin of the “Politehnica” University of Timisoara, Transaction on Power Engineering, Proc. of the 6th International Power Systems Conference, PSC 2005, Tom 50 (64) 2005, Fascicola 1-2, Timisoara, România, pp. 451-456, ISSN 1582-7194, 3-4 Noiembrie 2005.
http://scholar.google.com/scholar?start=50&q=Răcășan+Adina&hl=en&as_sdt=0.5
http://www.et.upt.ro/cee/ro/psc/PSC2005/index_files/Papers/L72.pdf
- [3]. **Racasan Adina**, Munteanu C., Topa V., Muresan T., Costin Ana-Maria, *Study of the Electromagnetic Interference Generated by the HV Power Lines on the GSM Antennas*, Scientific Bulletin of the “Politehnica” University of Timisoara, Transaction on Power Engineering, Proc. of the 6th International Power Systems Conference PSC 2005, Tom 50 (64) 2005, Fascicola 1-2, Timisoara, Romania, pp. 483-490, ISSN 1582-7194, 3-4 Noiembrie 2005.
http://scholar.google.com/scholar?start=50&q=Racasan+Adina&hl=en&as_sdt=0.5
http://www.et.upt.ro/cee/ro/psc/PSC2005/index_files/Papers/L77.pdf
- [4]. **Răcășan Adina**, Munteanu C., Țopa V., Răcășan Claudia, Antonescu Oana, *Technologies to Improve High Frequency characteristics of Integrated EMI Filters*, Analele Universitatii din Craiova, Seria Inginerie Electrica, Anul 31, nr. 31, 2007, vol. I, International Conference on Electromechanical and Power Systems, SIELMEN, Chisinau, Republica Moldova, pp. 213-216, ISSN 1842-4805, 2007.
http://scholar.google.com/scholar?hl=en&q=Răcășan+Adina&btnG=&as_sdt=1%2C5&as_sdt=1
<http://elth.ucv.ro/fisiere/anale/2007/140.pdf>
- [5]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, Hebedean Claudia, Antonescu Oana, *HF Losses Increase of the Planar Integrated EMI Filters by Multi-Metal Metalization of the Windings*, Buletinul Institutului Politehnic din Iași, Sectia: electrotehnica, energetica, electronica, EPE 2010, Iași, România, pp. 83-86, ISBN 978-606-13-0071-6, October 28-30, 2010.
https://scholar.google.com/citations?user=8At8c98AAAAJ&hl=en&citsig=AMstHGTXnNdfA3UD19ozlnqyP_aGMUDwVQ
- [6]. Munteanu C., Topa V., Purcar M., Grindei Laura, **Racasan Adina**, *Study of the Electric Field Generated by the High Voltage Substations*, 12th WSEAS International Conference on Mathematical

Method and Computational Techniques in Electrical Engineering, MMACTEE'10, Timisoara, Romania, pp. 74-77, ISSN 1792-5967, ISBN 978-960-474-238-7, 21-23 Octombrie 2010.

<https://www.scopus.com/record/display.uri?eid=2-s2.0-79958718680&origin=resultslist&sort=plf-f&src=s&st1=Racasan+A&nlo=&nlr=&nls=&sid=978D1B4975A6A9CC0D3EBF163B7A1AFE.mw4ft95QGjz1tIFG9A1uw%3a980&sot=b&sdt=b&sl=22&s=AUTHOR-NAME%28Racasan+A%29&relpos=25&relpos=5&citeCnt=1&searchTerm=AUTHOR-NAME%28Racasan+A%29>

- [7]. Munteanu C., Țopa V., **Răcășan Adina N.**, Pop I., Merdan E., *Advances on the Electromagnetic Field Distribution Analysis inside High Voltage Substations*, 46th International Universities' Power Engineering Conference - UPEC 2011, Soest, Germany, pp. 1-5, ISBN: 978-3-8007-3402-3, 25-28 September 2011.

<https://ieeexplore.ieee.org/document/6125622?arnumber=6125622&tag=1#citations>

- [8]. **Răcășan Adina**, Munteanu C., Țopa V., Pop I., Merdan E., *3D Electromagnetic Field Model for Numerical Analysis of the Electromagnetic Interferences between Overhead Power Lines and Pipelines*, 11th International Conference on Electrical Power Quality and Utilisation, Lisbon, Portugal, pp. 641, ISSN: 2150-6647, ISBN 978-1-4673-0379-8, 17-19 October 2011.

<https://www.scopus.com/record/display.uri?eid=2-s2.0-84857822881&origin=resultslist&sort=plf-f&src=s&st1=Racasan+A&nlo=&nlr=&nls=&sid=978D1B4975A6A9CC0D3EBF163B7A1AFE.mw4ft95QGjz1tIFG9A1uw%3a980&sot=b&sdt=b&sl=22&s=AUTHOR-NAME%28Racasan+A%29&relpos=22&relpos=2&citeCnt=0&searchTerm=AUTHOR-NAME%28Racasan+A%29>

5 citare BDI:

- 61) Nassereddine M., Rizk J., Hellany A., Nagrial M., *AC Interference Study on Pipeline: OHEW Split Factor Impacts on the Induced Voltage*, Journal of Electrical Engineering, vol. 14, no. 1, pp. 132-137, ISSN 15824594, 2014.

<https://www.scopus.com/record/display.uri?eid=2-s2.0-84904546942&origin=resultslist&sort=plf-f&cite=2-s2.0-84857822881&src=s&imp=t&sid=f73201e9ba255d3debcb8632a4f1783&sot=cite&sdt=a&sl=0&relpos=4&citeCnt=6&searchTerm=>

- 62) Nassereddine M., Rizk J., Nagrial M., Hellany A., Micu D.D., *OHEW Condition and its Impact on Substation Earthing System and AC Interference between Pipeline and Transmission Line*, Proceedings of Universities Power Engineering Conference, ISBN 978-146739682-0, 2015.

<https://www.scopus.com/record/display.uri?eid=2-s2.0-84958064390&origin=resultslist&sort=plf-f&cite=2-s2.0-84857822881&src=s&imp=t&sid=f73201e9ba255d3debcb8632a4f1783&sot=cite&sdt=a&sl=0&relpos=0&citeCnt=3&searchTerm=>

- 63) Nassereddine M., Rizk J., Hellany A., Nagrial M., *Induced voltage behavior on pipelines due to HV AC interference under broken OHEW*, Proceedings of the 2015 10th IEEE Conference on Industrial Electronics and Applications, pp. 1408-1413, ISBN 978-146737317-3, 2015.

<https://www.scopus.com/record/display.uri?eid=2-s2.0-84960858636&origin=resultslist&sort=plf-f&cite=2-s2.0-84857822881&src=s&imp=t&sid=f73201e9ba255d3debcb8632a4f1783&sot=cite&sdt=a&sl=0&relpos=1&citeCnt=0&searchTerm=>

- 64) Abdel-Gawad N.M.K., El Dein A.Z., Magdy M., *Mitigation of induced voltages and AC corrosion effects on buried gas pipeline near to OHTL under normal and fault conditions*, Electric Power Systems Research, pp. 297-306, 2015.

<https://www.scopus.com/results/citedbyresults.uri?sort=plf-f&cite=2-s2.0-84857822881&src=s&imp=t&sid=f73201e9ba255d3debcb8632a4f1783&sot=cite&sdt=a&sl=0&origin=recordpage&editSaveSearch=&txGid=56a14f3fb4f6e3fc80e69063d4a209ed>

- 65) Nassereddine M., Rizk J., Nagrial M., Hellany A., *Induced Voltage Behavior on Pipelines Due to HV AC Interference: Effective Length Concept*, International Journal of Emerging Electric Power Systems, vol. 16, no. 2, pp. 131-139, ISSN 21945756, 2015.

<https://www.scopus.com/results/citedbyresults.uri?sort=plf-f&cite=2-s2.0-84857822881&src=s&imp=t&sid=f73201e9ba255d3debcb8632a4f1783&sot=cite&sdt=a&sl=0&origin=recordpage&editSaveSearch=&txGid=56a14f3fb4f6e3fc80e69063d4a209ed>

- [9]. **Răcășan Adina**, Munteanu C., Țopa V., Micu D., Păcurar Claudia, Hebedean Claudia, *Modeling and Mitigation Techniques of the Magnetic Integrated Structures Parasitic Capacitance*, Proceedings of the Universities Power Engineering Conference, UPEC 2012, London, UK, pp. 1 - 5, ISBN: 978-1-4673-2856-2, DOI: 10.1109/UPEC.2012.6398555, September 4-7, 2012.

<https://www.scopus.com/record/display.uri?eid=2-s2.0-84872862874&origin=resultslist&sort=plf-f&src=s&st1=Modeling+and+Mitigation+Techniques+of+the+Magnetic+Integrated+Structures+Parasitic+Capacitance&sid=c48b2bd6e2f25b3d09929f079f4d455f&sot=b&sdt=b&sl=109&s=TITLE-ABS-KEY%28Modeling+and+Mitigation+Techniques+of+the+Magnetic+Integrated+Structures+Parasitic+Capacitance%29&relpos=0&citeCnt=4&searchTerm=>

1 citare ISI:

78. De Zutter Daniel, Ginsté Dries Vande, *Influence of Shape Variation on Capacitance Matrices*, 2013 *Journal of Electrostatics*, vol. 71, Issue 5, pp. 915 – 920, October 2013.
[Influence of shape variation on capacitance matrices - ScienceDirect](#)
- [10]. Păcurar Claudia, Țopa V., **Răcășan Adina**, Munteanu C., *Inductance Computation and Layout Optimization for Spiral Inductors*, 9th World Energy System Conference, WESC 2012, Buletinul AGIR/AGIR Bulletin, nr. 3, ISSN 1224-7928, Suceava, România, pp. 675-682, 2012.
http://scholar.google.com/scholar?start=30&q=Răcășan+Adina&hl=en&as_sdt=0,5
<http://www.agir.ro/buletine/1453.pdf>
- 1 citare BDI:
- 66) Sirbu Ioana-Gabriela, Mandache Lucian, Iordache Mihai, *Study on the Magnetic Field Produced by Coils of Certain Shapes* SNET, Bucuresti, 2013.
[Microsoft Word - SNET_SIRBU_en_2012_final_COMPLETAT.doc \(pub.ro\)](#)
- [11]. Păcurar Claudia, Țopa V., **Răcășan Adina**, Munteanu C., *CIBSOC Program – Spiral Inductor Inductance Calculation and Layout Optimization*, Scientific Computing in Electrical Engineering, SCEE 2012, Zurich, Switzerland, September 11-14, 2012.
http://scholar.google.com/scholar?start=40&q=Răcășan+Adina&hl=en&as_sdt=0,5
http://scee2012.ethz.ch/abstracts_new/SCEE12_Abstract_63_poster_Păcurar.pdf
- [12]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, Hebedean Claudia, *Structural Parasitic Capacitance Reduction Techniques in Planar Magnetic Integrated Structures*, 9th World Energy System Conference, WESC 2012, Buletinul AGIR/AGIR Bulletin, nr. 3, ISSN 1224-7928, Suceava, România, pp. 683-688, 2012.
http://scholar.google.com/scholar?start=30&q=Răcășan+Adina&hl=en&as_sdt=0,5
<http://www.buletinulagir.agir.ro/articol.php?id=1454>
- [13]. Munteanu C., Țopa V., Mates G., Purcar M., **Racasan A.**, Pop I.T., *Analysis of the Electromagnetic Interferences between Overhead Power Lines and Buried Pipelines*, IEEE International Symposium on Electromagnetic Compatibility, ISSN: 10774076, ISBN: 978-146730718-5, pp. 1-6, Rome, Italy, 17-21 September 2012.
<https://www.scopus.com/record/display.uri?eid=2-s2.0-84872575080&origin=resultslist&sort=plf-f&src=s&st1=Analysis+of+the+Electromagnetic+Interferences+between+Overhead+Power+Lines+and+Buried+Pipelines&sid=4d57fd2aa44b025637a8ffcac5827789&sot=b&sdt=b&sl=110&s=TITLE-ABS-KEY%28Analysis+of+the+Electromagnetic+Interferences+between+Overhead+Power+Lines+and+Buried+Pipelines%29&relpos=6&citeCnt=11&se archTerm=>
- 11 citări BDI:
- 67) Nassereddine M., Rizk J., Hellany A., Nagrial M., *AC interference study on pipeline: OHEW split factor impacts on the induced voltage*, Journal of Electrical Engineering, vol. 14, issue 1, pag. 132-137, ISSN 15824594, 2014.
<https://www.scopus.com/record/display.uri?eid=2-s2.0-84904546942&origin=resultslist&sort=plf-f&cite=2-s2.0-84872575080&src=s&imp=t&sid=6c0ce48935a15451e882808d7135ade2&sot=cite&sdt=a&sl=0&relpos=10&citeCnt=6&se archTerm=>
- 68) Nassereddine M., Rizk J., Nagrial M., Hellany A. Micu D.D., *OHEW condition and its impact on substation earthing system and AC interference between pipeline and transmission line*, Proceedings of the Universities Power Engineering Conference, UPEC 2015, ISBN 978-146739682-0, 2015.
<https://www.scopus.com/record/display.uri?eid=2-s2.0-84958064390&origin=resultslist&sort=plf-f&cite=2-s2.0-84872575080&src=s&imp=t&sid=6c0ce48935a15451e882808d7135ade2&sot=cite&sdt=a&sl=0&relpos=6&citeCnt=3&se archTerm=>
- 69) Nassereddine M., Rizk J., Hellany A., Nagrial M., *Induced voltage behavior on pipelines due to HV AC interference under broken OHEW*, Proceedings of the 2015 10th IEEE Conference on Industrial Electronics and Applications, ICIEA 2015, ISBN 978-146737317-3, 2015.
<https://www.scopus.com/record/display.uri?eid=2-s2.0-84960858636&origin=resultslist&sort=plf-f&cite=2-s2.0-84872575080&src=s&imp=t&sid=6c0ce48935a15451e882808d7135ade2&sot=cite&sdt=a&sl=0&relpos=7&citeCnt=0&se archTerm=>
- 70) Abdel-Gawad N.M.K., El Dein A.Z., Magdy M., *Mitigation of induced voltages and AC corrosion effects on buried gas pipeline near to OHTL under normal and fault conditions*, Electric Power Systems Research, vol. 127, pag. 297-306, ISSN 03787796, June 2015.
<https://www.scopus.com/record/display.uri?eid=2-s2.0-84933501903&origin=resultslist&sort=plf-f&cite=2-s2.0-84872575080&src=s&imp=t&sid=6c0ce48935a15451e882808d7135ade2&sot=cite&sdt=a&sl=0&relpos=8&citeCnt=25&se archTerm=>

- 71) Nassereddine M., Rizk J., Nagrial M., Hellany A., *Induced Voltage Behavior on Pipelines Due to HV AC Interference: Effective Length Concept*, International Journal of Emerging Electric Power Systems, ISSN 21945756, April 2015.
<https://www.scopus.com/record/display.uri?eid=2-s2.0-84927937434&origin=resultslist&sort=plf-f&cite=2-s2.0-84872575080&src=s&imp=t&sid=6c0ce48935a15451e882808d7135ade2&sot=cite&sdt=a&sl=0&relpos=9&citeCnt=0&searchTerm=>
- 72) Cao F., Meng X., Liao Y., Li R., Zhang B., *Circuit model and application for influence of DC ground electrode on buried metal pipelines*, Dianwang Jishu/Power System Technology, vol.14, issue 10, pages 3258-3264, ISSN 10003673, 5 October 2016.
<https://www.scopus.com/record/display.uri?eid=2-s2.0-84991030561&origin=resultslist&sort=plf-f&cite=2-s2.0-84872575080&src=s&imp=t&sid=6c0ce48935a15451e882808d7135ade2&sot=cite&sdt=a&sl=0&relpos=5&citeCnt=16&searchTerm=>
- 73) Adedeji K.B., Ponnle A.A., Abe B.T., Jimoh A.A., Abu-Mahfouz A.M., Hamam Y., *A review of the effect of ac/dc interference on corrosion and cathodic protection potentials of pipelines*, International Review of Electrical Engineering, vol. 12, issue 6, pag. 495-508, ISSN: 18276660, November-December 2018.
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85064487579&origin=resultslist&sort=plf-f&cite=2-s2.0-84872575080&src=s&imp=t&sid=6c0ce48935a15451e882808d7135ade2&sot=cite&sdt=a&sl=0&relpos=3&citeCnt=7&searchTerm=>
- 74) Nowak W., Tarko R., *Analysis of electrical shock hazard caused by electromagnetic coupling effects in parallel overhead high-voltage power lines*, IET Generation, Transmission and Distribution, vol. 12, issue 14, pag. 3398-3404, ISSN 17518687, August 2018.
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85051420336&origin=resultslist&sort=plf-f&cite=2-s2.0-84872575080&src=s&imp=t&sid=6c0ce48935a15451e882808d7135ade2&sot=cite&sdt=a&sl=0&relpos=4&citeCnt=4&searchTerm=>
- 75) Elgayar A., Abdul-Malek Z., Othman R., Elshami I.F., Elbreki A.M., Ibrahim V.M., Mousa M.I., Wooi C.-L., *Power transmission lines electromagnetic pollution with consideration of soil resistivity*, Telkomnika (Telecommunication Computing Electronics and Control), vol. 17, issue 4, pag. 1985-1991, ISSN 16936930, August 2019.
<https://www.scopus.com/record/display.uri?origin=citedby&eid=2-s2.0-85081787217&citeCnt=11&noHighlight=false&sort=plf-f&src=s&st1=Analysis+of+the+Electromagnetic+Interferences+between+Overhead+Power+Lines+and+Buried+Pipelines&id=4d57fd2aa44b025637a8ffcac5827789&sot=b&sdt=b&sl=110&s=TITLE-ABS-KEY%28Analysis+of+the+Electromagnetic+Interferences+between+Overhead+Power+Lines+and+Buried+Pipelines%29&relpos=2>
- 76) Popoli A., Cristofolini A., Sandrolini L., *Numerical Modeling Assessment of Electromagnetic Interference between Power Lines and Metallic Pipelines: A Case Study*, Proceedings of 2021 9th International Conference on Modern Power Systems, ISBN 978-166543381-5, MPS 2021.
<https://www.scopus.com/record/display.uri?origin=citedby&eid=2-s2.0-85112231434&citeCnt=11&noHighlight=false&sort=plf-f&src=s&st1=Analysis+of+the+Electromagnetic+Interferences+between+Overhead+Power+Lines+and+Buried+Pipelines&id=4d57fd2aa44b025637a8ffcac5827789&sot=b&sdt=b&sl=110&s=TITLE-ABS-KEY%28Analysis+of+the+Electromagnetic+Interferences+between+Overhead+Power+Lines+and+Buried+Pipelines%29&relpos=0>
- 77) Muresan A., Papadopoulos T.A., Czumbil L., Chrysochos A.I, Farkas T., Chiorean D., *A numerical model for the calculation of electromagnetic interference from power lines on nonparallel underground pipelines*, Mathematics and Computers in Simulation, ISSN 03784754, vol. 183, pag. 221-233, May 2021.
<https://www.scopus.com/record/display.uri?origin=citedby&eid=2-s2.0-85081680408&citeCnt=11&noHighlight=false&sort=plf-f&src=s&st1=Analysis+of+the+Electromagnetic+Interferences+between+Overhead+Power+Lines+and+Buried+Pipelines&id=4d57fd2aa44b025637a8ffcac5827789&sot=b&sdt=b&sl=110&s=TITLE-ABS-KEY%28Analysis+of+the+Electromagnetic+Interferences+between+Overhead+Power+Lines+and+Buried+Pipelines%29&relpos=1>

[14]. Hebedean Claudia, Munteanu C., **Racasan Adina**, *Optimization of Planar Structures by Means of Shifted Winding*, Scientific Computing in Electrical Engineering – SCEE 2012, Zurich, Switzerland, September 11-14 2012.
http://scee2012.ethz.ch/abstracts_new/SCEE12_Abstract_57_poster_Hebedean.pdf

[15]. Hebedean Claudia, Munteanu C., **Racasan Adina**, *Study of LC Integrated Structures in Series Resonator Configuration*, 9th World Energy System Conference - WESC 2012, Buletinul AGIR/AGIR Bulletin, nr. 3, ISSN 1224-7928, Suceava, Romania, pp. 271-276, 2012.
http://scholar.google.com/scholar?start=30&q=Racasan+Adina&hl=en&as_sdt=0.5

[f&src=s&st1=Pacurar&st2=Claudia&nlo=1&nlr=50&nls=count-f&sid=a9b49cd9ff9b76d704953820bb59eae1&sot=anl&sdt=aut&sl=37&s=AU-ID%28%22Pacurar%2c+Claudia%22+55050741400%29&relpos=9&citeCnt=0&searchTerm=](https://www.scopus.com/record/display.uri?eid=2-s2.0-85101961677&origin=resultslist&sort=plf-f&src=s&st1=Pacurar&st2=Claudia&nlo=1&nlr=50&nls=count-f&sid=a9b49cd9ff9b76d704953820bb59eae1&sot=anl&sdt=aut&sl=37&s=AU-ID%28%22Pacurar%2c+Claudia%22+55050741400%29&relpos=9&citeCnt=0&searchTerm=)

- [21]. Constantinescu Claudia, Munteanu C., Grindei Laura, **Giurgiuman Adina**, Pacurar Claudia, Gliga M., Andreica S., *High Frequency Analysis of the Vivaldi Antenna Parameters*, 11th International Conference and Exposition on Electrical and Power Engineering - EPE 2020, Iași, Romania, 22-23 October, ISBN: 978-1-7281-8126-4, DOI: 10.1109/EPE50722.2020.9305674, 2020.
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85101961677&origin=resultslist&sort=plf-f&src=s&st1=Pacurar&st2=Claudia&nlo=1&nlr=50&nls=count-f&sid=a9b49cd9ff9b76d704953820bb59eae1&sot=anl&sdt=aut&sl=37&s=AU-ID%28%22Pacurar%2c+Claudia%22+55050741400%29&relpos=10&citeCnt=0&searchTerm=>
- [22]. Andreica Sergiu, Munteanu Calin, Gliga Marian, Pacurar Claudia, **Giurgiuman Adina**, Constantinescu Claudia, *Study of the Electromagnetic Field Generated by Wireless Communication Systems*, 2022 International Conference and Exposition on Electrical and Power Engineering (EPE), DOI: 10.1109/EPE56121.2022.9959779, ISBN: 978-1-6654-8994-2, 2022.
<https://ieeexplore.ieee.org/abstract/document/9959779>
- [23]. Gliga Marian, Munteanu Calin, Andreica Sergiu, Constantinescu Claudia, **Giurgiuman Adina**, Pacurar Claudia, Morar Denisa, *Study of Conduction Emissions of Household Appliances*, 2022 International Conference and Exposition on Electrical and Power Engineering (EPE), DOI: 10.1109/EPE56121.2022.9959764, ISBN: 978-1-6654-8994-2, 2022.
<https://ieeexplore.ieee.org/abstract/document/9959779>
- [24]. **Giurgiuman Adina**, Pacurar Claudia, Constantinescu Claudia, Munteanu Calin, Gliga Marian, Andreica Sergiu, *Analysis and Optimal Design of a Wireless Power Transfer System for Electrical Vehicles*, 2022 International Conference and Exposition on Electrical and Power Engineering (EPE), DOI: 10.1109/EPE56121.2022.9959810, ISBN: 978-1-6654-8994-2, 2022.
<https://ieeexplore.ieee.org/abstract/document/9959779>

Articole în reviste și în volumele unor manifestări științifice neindexare

Reviste neindexate

- [1]. Munteanu C., Țopa V., **Răcășan Adina**, Răcășan Claudia, Matis Gh., *Optimal Design of Multi-Terminal Resistors Using Moop Multi-Objective Optimal Design Software*, Electrical Engineering Research Report EERR, no. 23, Napoli, Italy, pp. 1-5, ISSN 1126-5310, December 2007.
- [2]. Munteanu C., Serban T., Pop I. T., **Răcășan Adina**, Stanescu Carmen, Topa V., *Recent Advances in the Analysis of the Electromagnetic Field Distribution inside HV Substations*, Revista Energetica, vol. 58, no. 5, pp. 211-214, ISSN 1453-2360, 2010.
- [3]. Păcurar Claudia, Țopa V., **Răcășan Adina**, Munteanu C., Hebedean Claudia, *Printed Circuit Boards and Multi-Chip Modules High Frequency Inductance Computation*, Electromagnetic Compatibility/Electromagnetic Field Research and Development in România, România, Editura AGIR, pp. 77-80, ISBN 978-973-720-521-6, 2014.
- [4]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, Hebedean Claudia, *HF Integrated LC Structure Behaviour Analysis Using the Generalized Transmission Lines Model*, Electromagnetic Compatibility/Electromagnetic Field Research and Development in România, România, Editura AGIR, pp. 65-70, ISBN 978-973-720-521-6, 2014.

Proceedings neindexat

- [1]. Munteanu C., **Răcășan Adina**, Răcășan Claudia, Țopa V., Muresan T., Costin Ana-Maria, *Electromagnetic Influences of the High Voltage Power Lines on the GSM Antennas Mounted on the High Voltage Towers*, International Conference of Applied and Theoretical Electricity, ICATE 2004, pp. 88 – 91, ISBN 973-8043-554-4, Baile Herculane, România, 14-15 Octombrie 2004.
- [2]. Răcășan Claudia, Țopa V., **Răcășan Adina**, Antonescu Oana, Plesa Mihaela, *Modeling of On-Chip Inductance*, International Workshop on Advances in Numerical Computation Methods in

- Electromagnetism, ANCME, pp. 110-119, ISBN 10973- 686-798-6, Brussels, Belgium, 2005.
- [3]. **Răcășan Adina**, Munteanu C., Răcășan Claudia, Țopa V., Antonescu Oana, Plesa Mihaela, *Interconnects Parameter Parasitic in Deep Sub-Micron Geometries*, Proceedings of the 3rd International Workshop on Advances in Numerical Computation Methods in Electromagnetism, ANCME 2005, pp. 170-179, ISBN 10973- 686-798-6, Brussels, Belgium, 26-27 Mai 2005.
 - [4]. Antonescu Oana, Munteanu C., Țopa V., **Răcășan Adina**, Răcășan Claudia, Plesa Mihaela, Retegan V., *Modelling Pulse Signals Propagation on High Voltage Lines using Non-Uniform Transmission Lines*, Int. Workshop on Advances in Numerical Computation Methods in Electromagnetism, ANCME, pp. 152-159, ISBN 10973686-798-6, Brussels, Belgium, 26-27 Mai 2005.
 - [5]. Răcășan Claudia, Țopa V., **Răcășan Adina**, Munteanu C., Rafiroiu D., Antonescu Oana, *Comparative Study of Inductance Evaluation for Different Types of Deep Sub-Micron Circuit Structures*, Buletinul Institutului Politehnic Iași, Tomul LII (LVI), Fasc. 5B, 4th International Conference on Electrical and Power Engineering, EPE 2006, pp. 751-756, ISSN 1223-8139, Iași, România, 12-14 Octombrie 2006.
 - [6]. Răcășan Claudia, Țopa V., **Răcășan Adina**, Munteanu C., Antonescu Oana, Plesa Mihaela, *On-Chip Inductance Computation using Ansoft - 2D Extractor*, Buletinul Institutului Politehnic Iași, Tomul LII (LVI), Fasc. 5B, 4th International Conference on Electrical and Power Engineering, EPE 2006, pp. 757-763, ISSN 1223-8139, Iași, România, 12-14 Octombrie 2006.
 - [7]. Răcășan Claudia, Țopa V., **Răcășan Adina**, Munteanu C., Antonescu Oana, *HF Interconnects Inductance Calculation*, Acta Electrotehnica, Special Issue, Selected Papers from the 1st International Conference on Modern Power Systems, MPS 2006, vol. 47, no. 4, pp. 283-286, ISSN 1841-3323, 8-11 Noiembrie 2006.
 - [8]. **Răcășan Adina**, Munteanu C., Țopa V., Răcășan Claudia, *Techniques to Reduce the Equivalent Parallel Capacitance for EMI Filters Integration*, Book of Abstracts of the 6th International Conference on Scientific Computing in Electrical Engineering, SCEE'06, pp.142-143, ISBN 978-973-718-520-4, Sinaia, România, 17-22 Septembrie 2006.
 - [9]. **Răcășan Adina**, Munteanu C., Țopa V., Răcășan Claudia, Antonescu Oana, *Frequency domain modelling of integrated LC structure by coupled lossy transmission-line theory for EMI filters implementation*, Buletinul Institutului Politehnic Iași, Tomul LII (LVI), Fasc. 5B, 4th International Conference on Electrical and Power Engineering, EPE 2006, pp. 743-750, ISSN 1223-8139, Iași, România, 12-14 Octombrie 2006.
 - [10]. **Răcășan Adina**, Munteanu C., Țopa V., Răcășan Claudia, Antonescu Oana, *Computing of the Equivalent Parallel Capacitance for EMI Filters Integration*, Acta Electrotehnica, Special Issue, Selected Papers from the 1st International Conference on Modern Power Systems, MPS 2006, vol. 47, no. 4, pp. 217-220, ISSN 1841-3323, 8-11 Noiembrie 2006.
 - [11]. Antonescu Oana, Munteanu C., **Răcășan Adina**, Răcășan Claudia, Pop I. T., *The Numerical Modelling of the Atmospheric Perturbations Influences on the High Voltage Lines*, Buletinul Institutului Politehnic Iași, Tomul LII (LVI), International Conference on Electrical and Power Engineering, EPE 2006, pp. 1313-1318, ISSN 1223-8139, Iași, România, 12-14 Octombrie 2006.
 - [12]. Antonescu Oana, Vermesan C., Munteanu C., **Răcășan Adina**, Răcășan Claudia, Dale L., *Numerical Simulation of the Atmospheric Disturbances Effect on the High Voltage Lines*, Acta Electrotehnica, Special Issue, Selected Papers from the 1st International Conference on Modern Power Systems, MPS 2006, vol. 47, no. 4, pp. 193-198, ISSN 1841-3323, 8-11 Noiembrie 2006.
 - [13]. Nicu Anca-Iulia, Duma Denisa, Antonescu Oana, Răcășan Claudia, **Răcășan Adina**, Rafiroiu D. V., *Some Physiological Aspects Of The Active Behaviour Of Neurons: Refractory Period And Strength-Duration Curve*, Proceedings EPNC 2006, XIX Symposium Electromagnetic Phenomena in Nonlinear Circuits, pp. 167-168, ISBN 83-921340-1-x, Maribor, Slovenia, June 20-30, 2006.
 - [14]. Răcășan Claudia, Țopa V., **Răcășan Adina**, Munteanu C., Antonescu Oana S., *Numerical and Analytical Calculation for Inductors of Rectangular Spiral Inductors*, SNET 2007, pp. 376-380,

ISBN 978-973-718-899-1, Bucuresti, 12-14 Octombrie 2007.

- [15]. Răcășan Claudia, Țopa V., **Răcășan Adina**, Munteanu C., Antonescu Oana S., *High Frequencies On-Chip Interconnects Inductance Extraction*, Proceedings of the 7th International Power Systems Conference, PSC 2007, pp. 565-572, ISSN 1582-7194, Timisoara, Romania, 22-23 noiembrie 2007.
- [16]. **Răcășan Adina**, Munteanu C., Țopa V., Răcășan Claudia, Antonescu Oana, *Analysis of Integrated LC Structure by Coupled Lossy Transmission-Line Theory for EMI Filters Implementation*, SNET 2007, pp. 246-253, ISBN 978-973-718-899-1, Bucuresti, 12-14 Octombrie 2007.
- [17]. **Răcășan Adina**, Munteanu C., Țopa V., Răcășan Claudia, Plesa Mihaela, *A Solutions to Minimize the Equivalent Series Inductance and the Equivalent Parallel Capacitance for EMI Filters Integration*, Proceedings of the 7th International Power Systems Conference, PSC 2007, pp. 557-564, ISSN 1582-7194, Timisoara, 21-23 Noiembrie 2007.
- [18]. Munteanu C., Diaconu C., Pop I. T., **Racasan Adina**, *Electric and Magnetic field distribution inside a power substation. Numerical modeling and experimental measurements.*, PSC 2007, Timisoara, pp. 421-426, ISSN 1582-7194, 21-23 noiembrie 2007.
- [19]. Răcășan Claudia, Țopa V., **Răcășan Adina**, Munteanu C., Antonescu Oana S., *3D Inductivity Computation On-Chip*, Book of abstracts, EuroEM 2008 European Electromagnetics, pp. 382-383, , Lausanne, Elvetia, 21-25 July 2008.
- [20]. Răcășan Claudia, Țopa V., **Răcășan Adina**, Munteanu C., *Three-dimensional inductance modelling and extraction*, Buletinul Institutului Politehnic din Iași, Tomul LIV (LVIII), Fasc.3, Electrotehnica, Energetica, Electronica, 5th International Conference on Electrical and Power Engineering, EPE 2008, pp. 47-54, ISSN 1223-8139, Iași, România, October 3-5, 2008.
- [21]. **Răcășan Adina**, Munteanu C., Țopa V., Răcășan Claudia, *Techniques to reduce the insertion losses in Emi Filters with Magnetic planar technology*, Buletinul Institutului Politehnic din Iași, Tomul LIV (LVIII), Fasc.3, Electrotehnică, Energetică, Electronică, 5th International Conference on Electrical and Power Engineering, EPE 2008, pp. 55-62, ISSN 1223-8139, Iași, România, October 3-5, 2008.
- [22]. **Răcășan Adina**, Munteanu C., Țopa V., Răcășan Claudia, Pleșa Mihaela, *Electromagnetic modelling of Integrated L-C Structures for EMI Filters Implementation*, Book of abstracts, EuroEM 2008 European Electromagnetics, pp. 396-397, Lausanne, Elvetia, 21-25 July 2008.
- [23]. **Răcășan Adina**, Munteanu C., Țopa V., Răcășan Claudia, Antonescu Oana S., *Reduction of Effective Parallel Capacitance of the EMI Filters using Magnetic Planar Technology*, Biennial IEEE Conference on Electromagnetic Field Computation, CEFC, pp. 315-316, Atena, Grecia, 2008.
- [24]. Munteanu C., Țopa V., **Răcășan Adina**, Răcășan Claudia, Bortels L., Deconinck J., *3D Numerical Computation of the Induced Potential Distribution on Buried Pipelines bz Neighbor HV Lines Working on Normal and Fault Conditions*, 13th Biennial IEEE Conference on Electromagnetic Field Computation, CEFC 2008, pp. 419-420, Atena, Grecia, 11-15 May 2008.
- [25]. Pleșa Mihaela, Dărăbant Laura, Ciupa R., **Răcășan Adina**, Răcășan Claudia, *Magnetic Stimulation of Peripheral Nerves in a Cylindrical Volume Conductor*, 13th Biennial IEEE Conference on Electromagnetic Field Computation, CEFC 2008, pp. 546-548, Atena, Grecia, 11-15 May 2008.
- [26]. Munteanu C., Merdan E., Marinescu A., Mureșan T., **Răcășan Adina**, Păcurar Claudia, Pop V., George M., Nicoleanu P., *Compliance with EU Directives Regarding the Human Exposure to Electromagnetic Fields. Experimental Study in Cluj-Napoca City*, Acta Electrotehnica, Special Issue, Proceedings of the 2nd International Conference on Modern Power Systems, MPS 2008, Editura Mediamira, pp. 321-324, ISSN 1841-3323, Cluj-Napoca, România, 12-14 Noiembrie 2008.
- [27]. Ilisiu Doina, Munteanu C., **Racasan Adina**, *A Challenge for Romanian Power System – the Wind Farms Integration*, Acta Electrotehnica, Special Issue, Proceedings of the 2nd International Conference on Modern Power Systems MPS 2008, Editura Mediamira, Cluj-Napoca, România, pp. 232-235, ISSN 1841-3323, 12-14 Noiembrie 2008.
- [28]. Păcurar Claudia, **Răcășan Adina**, Țopa V., Munteanu C., *Analyzing And Modeling On – Chip Interconnects Inductance*, Proceedings of the 7th International Conference of Electromechanical and

- Power Systems, SIELMEN 2009, pp. 312-315, ISBN 978-606-520-617-5, Iași, 8-9 Octombrie 2009.
- [29]. Păcurar Claudia, Țopa V., **Răcășan Adina**, Munteanu C., *On-chip interconnect inductance modeling*, International Symposium on Electromagnetic Fields in Mechatronics Electrical and Electronic Engineering, ISEF, pp. 537-542, ISBN 978-2-84832-115-8, Arras, Franta, 10-12 September 2009.
- [30]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, *Analysis And Modeling Of Integrated L-C Structure For Emi Filters Integration Using Planar Electromagnetic Integration Technologies*, Proceedings of the 7th International Conference of Electromechanical and Power Systems, SIELMEN 2009, pp. 308-311, ISBN 978-606-520-617-5, Iași, Romania, 8-9 Octombrie 2009.
- [31]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, *Minimizing the parasitic parameters for EMI filters integration*, International Symposium on Electromagnetic Fields in Mechatronics Electrical and Electronic Engineering, ISEF 2009, pp. 543-549, ISBN 978-2-84832-115-8, Arras, Franta, 10-12 September 2009.
- [32]. Munteanu C., **Răcășan Adina**, Păcurar Claudia, Merdan E., Bogdan N., Nedelcu Speranta, *Determinarea intensitatii campului electromagnetic in doua statii de transformare 110 kV / MT – lucrare experimentală*, Conf. Nat. si Expozitia de Energetica, CNEE 2009, pp. 237-243, Sinaia, România, 21-23 Octombrie 2009.
- [33]. Visan Gh., Raducanu Florentina, Pop I. T., Munteanu C., **Răcășan Adina**, Păcurar Claudia, *Risk Management for the Investment Works in the Romanian Power Grid Company-Transelectrica SA*, 7th Nat. Conf. on Industrial Energetics, CNEI 2009, pp. 427-432, Bacau, România, 5-7 Noiembrie 2009.
- [34]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, Hebedean Claudia, Lup S., *Reducing the Parasite Capacitance of EMI Filters using the Staggered Winding*, Buletinul Institutului Politehnic din Iași, Sectia: electrotehnica, energetica, electronica, EPE 2010, pp. 107-110, ISBN 978-606-13-0071-6, Iași, România, October 28-30, 2010.
- [35]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, Hebedean Claudia, *Electromagnetic modelling of the Planar Integrated LC Cells using the Transmission Lines Generalized Model*, SNET 2010, Bucuresti, România, 2010.
- [36]. Visan G., Raducanu F., Pop I.T., Munteanu C., **Răcășan Adina**, Păcurar Claudia, *Risk Management for the Investment Works in the Roumanian Power Grid Company-Transelectrica S.A.*, The 3rd International Conference on Modern Power Systems, MPS 2010, Acta Electrotehnica, Special Issue, vol. 51, no. 5, pp. 388-392, ISSN 1841-3323, Cluj-Napoca, România, 18-21 May 2010.
- [37]. Pop I. T., Visan Gh., Țopa V., Munteanu C., **Răcășan Adina**, Păcurar Claudia, *Risk Management for the Investment Works in the Romanian Power Grid Company*, Buletinul Institutului Politehnic din Iași, Proceedings of the 6th International Conference on Electrical and Power Engineering, EPE 2010, vol. 10, pp. 253-257, ISBN 978-606-13-0077-8, Iași, România, October 28-30 2010.
- [38]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, Hebedean Claudia, *Electromagnetic Modelling of the Planar Integrated LC Cells using the Transmission Lines Generalized Model*, Acta Electrotehnica, Special Issue, International Conference on Modern Power Systems, MPS, vol. 52, no. 5, pp. 395-400, ISSN: 1841-3323, Cluj-Napoca, România 17-20 Mai 2011.
- [39]. Hebedean Claudia, Munteanu C., **Răcășan Adina**, *A Method of EPC Cancellation for Integrated EMI Filters*, Acta Electrotehnica, Special Issue, International Conference on Modern Power Systems MPS 2011, Cluj-Napoca, România, vol. 52, no. 5, pp. 199-203, ISSN: 1841-3323, 17-20 Mai 2011.
- [40]. Păcurar Claudia, Țopa V., Munteanu C., **Răcășan Adina**, Hebedean Claudia, *Spiral Inductor Analysis using CIBSOC Software Program*, Acta Electrotehnica, Special Issue, Proceedings of the 5th International Conference on Modern Power Systems, MPS 2013, ISSN: 1841-3323, vol. 54, no. 5, pp. 351-356, Cluj-Napoca, România, 28-31 Mai 2013.
- [41]. Păcurar Claudia, Țopa V., Munteanu C., **Răcășan Adina**, Hebedean Claudia, *Modeling and Optimization of Square, Hexagonal, Octagonal and Circular Spiral Inductors*, International Conference on Electromechanical and Power Systems, SIELMEN, Editura PIM, pp. 394-400, ISBN 978-606-13-1560-4, 2013.

- [42]. **Răcășan Adina**, Munteanu C., Țopa V., Păcurar Claudia, Hebedean Claudia, *Filters for Conductive Electromagnetic Interference Suppression with Planar Electromagnetic Technology*, **Acta Electrotehnica**, Special Issue, International Conference on Modern Power Systems, MPS, ISSN: 1841-3323, vol. 54, no. 5, pp. 394-401, Cluj-Napoca, România, 28-31 Mai 2013.
- [43]. Hebedean Claudia, Munteanu C., **Răcășan Adina**, Păcurar Claudia, *Eliminating Parasitic Capacitance from EMI Filters with an Embedded Ground Layer*, Acta Electrotehnica, Special Issue, Proceedings of the 5th International Conference on Modern Power Systems, MPS 2013, ISSN 1841-3323, vol. 54, no. 5, pp. 213-218, Cluj-Napoca, România, 28-31 Mai 2013.
- [44]. Hebedean Claudia, Munteanu C., **Răcășan Adina**, Păcurar Claudia, *Influence of the Losses Increase Methods on the Parasitic Capacitances Values in Planar Structures*, International Conference on Electromechanical and Power Systems, SIELMEN, Editura PIM, pp. 403-409, ISBN 978-606-13-1560-4, 2013.
- [45]. Păcurar Claudia, Țopa Vasile Munteanu, Călin, **Răcășan Adina**, Constantinescu Claudia, *The Optimal Design of the Gaped Coil for an Imposed Inductivity*, 18th International Symposium on Power Electronics - Ee 2015, ISSN 2344-5637, ISSN-L 1841-3323, pp. 1-5, Novi Sad, Serbia, October 28th - 30th, 2015.
- [46]. Constantinescu Claudia, Munteanu Călin, **Răcășan Adina**, Păcurar Claudia, *Numerical Modeling and Practical Realisation of an Induction Heating Device*, 18th International Symposium on Power Electronics - Ee 2015, ISSN 2344-5637, ISSN-L 1841-3323, pp. 1-5, , Novi Sad, Serbia, October 28th - 30th, 2015.
- [47]. Constantinescu Claudia, Munteanu C., **Răcășan Adina**, Păcurar Claudia, *Parameter Influence on the Operation of an Induction Heating Device*, Proceedings of the 10th International Conference on Electromechanical and Power Systems, SIELMEN 2015, Editura PIM, pp. 1-6, ISBN 978-606-567-284-0, Chisinau, Republica Moldova, 8-9 Octombrie 2015.

Cluj-Napoca,

08.02.2024

Conf. dr. ing. ec. Nicoleta-Adina GIURGIUMAN (RĂCĂȘAN)