

# LISTA DE LUCRĂRI (CĂRȚI, ARTICOLE) CU CITĂRI

Conf.dr.habil.ing.ec. Claudia PĂCURAR

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

## Teza de abilitare

**Titlul:** De la bobine spirală planare la sisteme wireless de alimentare, antene și filtre

Universitatea Tehnică din Cluj-Napoca

Facultatea de Inginerie Electrică

Departamentul de Electrotehnică și Măsurări

Domeniul Inginerie Electrică

Data susținerii: 25.02.2022

## Teza de doctorat

**Titlul:** Contribuții la analiza, modelarea și proiectarea optimală a bobinelor spirală din circuitele integrate micrometrice

Universitatea Tehnică din Cluj-Napoca

Facultatea de Inginerie Electrică

Departamentul de Electrotehnică și Măsurări

Domeniul Inginerie Electrică

Data susținerii: 12.07.2012

## 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, 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] Păcurar Claudia, Țopa Vasile, *Analiza, modelarea și proiectarea optimală a bobinelor spirală din circuite integrate micrometrice*, Editura U.T. Press, Cluj-Napoca, România, ISBN 978-606-737-007-2, 246 pagini, 2014.

- [4] Răcășan Adina N., Munteanu Călin, Țopa Vasile, **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](#).
- [5] **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](#).
- [6] Giurgiuman Adina N., Munteanu Călin, Țopa Vasile, **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](#).
- [7] **Păcurar Claudia**, *Calculul inductivității bobinelor spirală utilizând programul software CIBSOC*, Editura U.T. Press, Cluj-Napoca, România, ISBN 978-606-737-556-5, 145 pagini, [2022](#).

### 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](https://link.springer.com/chapter/10.1007/978-3-540-71980-9_31)

#### 1 citare WOS:

1. Kuisma Mikko, Dzhankhotov Valentin, Silventoinen Pertti, Pyrhonen Juha, Air-Cored Common Mode Filter with Integrated Capacitors, 13th European Conference on Power Electronics and Applications (EPE 2009), Barcelona, Spain, 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., **Păcurar C.**, Giurgiuman A., 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, [2021](#).  
[https://link.springer.com/chapter/10.1007/978-3-030-93564-1\\_10](https://link.springer.com/chapter/10.1007/978-3-030-93564-1_10)
- [3]. Constantinescu Claudia, **Păcurar 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, 20-22 October [2022](#), Cluj-Napoca, Romania, acceptat și în curs de publicare

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

#### ISI Journal

- [1]. Țopa V., Purcar M., Munteanu C., Grindei Laura, **Păcurar Claudia**, O Garvasiuc, *Shape Optimization Approach based on the Extended Finite Element Method*, The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, COMPEL, Vol. 31, UK, pp. 477-497, ISSN 0332-1649, WOS:000302384700009, SRI 0.38902, [2012](#).  
[Shape optimization approach based on the extended finite element method-Web of Science Core Collection](#)
- [2]. **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, [2013](#).  
[Studies of Inductance Variation for Square Spiral Inductors using Cibsoc Software-Web of Science Core Collection](#)

#### 8 citări WOS:

2. 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>
3. 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>
4. 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>
5. 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, ATEE, 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>
6. 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>
7. 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>
8. 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>
9. 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, 2023, Taylor & Francis, WOS:000883278400001, 2023  
<https://www.webofscience.com/wos/woscc/full-record/WOS:000883278400001>

#### 4 citări 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-problem>
- 2) 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=e-host&scope=site&authtype=crawler&jrnl=18413323&AN=111950726&h=FArroPudImnaT3oGD2ACJmGG%2f72r0qkDsYKDu%2f0klHqRZYSo2xU9ReYJZu%2fa0DJlndRQw1FqO91z0bVNCmimQ%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d18413323%26AN%3d111950726>
- 3) 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))
- 4) 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\\_SmpoGYoNUZyBvjUCO2aPsBotfIYC8TslQdcBZTiUc8zMp0g](https://ieeexplore.ieee.org/abstract/document/7133779?casa_token=WH9Sf7POEYsAAAAA:ss0dNi2yLrEr0YvAjfSmc-nu5g9rL0_SmpoGYoNUZyBvjUCO2aPsBotfIYC8TslQdcBZTiUc8zMp0g)

- [3]. 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, 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/alldb/full-record/WOS:000359046300004>

1 citare BDI:

- 5) 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>

- [4]. 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, 2016.

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

- [5]. **Păcurar 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, 2021.

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

1 citare BDI:

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

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

- [6]. Constantinescu, Claudia, **Păcurar Claudia**, Giurgiuman Adina, Munteanu Călin, Andreica Sergiu, and Gliga Marian, *High Gain Improved Planar Yagi Uda Antenna for 2.4 GHz Applications and Its Influence on Human Tissues*, Applied Sciences Journal, vol 13, no. 11: 6678, F.I. 2.838, 2023.

[Applied Sciences | Free Full-Text | High Gain Improved Planar Yagi Uda Antenna for 2.4 GHz Applications and Its Influence on Human Tissues \(mdpi.com\)](#)

## ISI Proceedings

- [1]. Antonescu Oana, Munteanu C., Răcășan Adina, **Răcășan Claudia**, *Numerical Analysis Of 1  $\mu$ S Unit Pulse And 1.2/50  $\mu$ S 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, 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]. Hebedean Claudia, Munteanu C., Răcășan Adina, **Păcurar Claudia**, *Optimum geometry for planar structures regarding their loss factor*, Proceedings of the International Conference and Exposition on Electrical and Power Engineering, 7<sup>th</sup> edition, EPE 2012, Iași, România, pp. 693-698, ISBN: 978-1-4673-1172-4, WOS:000324685300126, 2012.

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

1 citare BDI:

7) 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&jnl=18413323&AN=102305274&h=Pmlu2DQAzyUT9G9rRccLt%2bsXpMRLzpyMwATDofLgbVjaACWGM2%2boWO26P%2biM3DKSpY%2f0Ka8rCnguKpd9InBz7g%3d%3d&url=c&resultNs=AdminWebAuth&resultLocal=ErrCrINotAuth&urlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jnl%3d18413323%26AN%3d102305274>

[3]. **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, 2012.

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

17 citări WOS:

11. 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*, IEEE International Symposium on Electromagnetic Compatibility (EMC), Book Series IEEE International Symposium on Electromagnetic Compatibility, pag. 773-778, WOS:000334998800144, ISBN: 978-1-4799-0409-9/978-1-4799-0408-2, ISSN: 2158-110X, 2013.  
<https://www.webofscience.com/wos/woscc/full-record/WOS:000334998800144>
12. 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), pag. 91-95, WOS:000345864000021, ISBN:978-1-4799-0705-2, ISSN: 2165-4107, 2013.  
<https://www.webofscience.com/wos/woscc/full-record/WOS:000345864000021>
13. Beryl R., Vaithianathan V., Kirubaveni S., *Comparative Analysis of various On-Chip Spiral Inductors*, 2013 International Conference on Communications and Signal Processing (ICCSP), 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>
14. 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>
15. 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>
16. 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, pp. 211-215, WOS:000390603400035, ISBN:978-80-213-2683-5, 7-9 Sep. 2016.  
<https://www.webofscience.com/wos/woscc/full-record/WOS:000390603400035>
17. 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, May 28-31, WOS:000439261800049, ISBN:978-1-4673-6853-7, ISSN:0271-4302, 2017.  
<https://www.webofscience.com/wos/woscc/full-record/WOS:000439261800049>
18. 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, May 07-09, WOS:000435435400001, ISBN: 978-1-5386-4788-2, 2018.  
<https://www.webofscience.com/wos/woscc/full-record/WOS:000435435400001>
19. 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>

20. 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>
21. 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*, ADVANCED 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>
22. 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>
23. 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>
24. 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, Published MAR 19, DOI:10.1007/s11082-021-02821-2, WOS:000631087600002, ISSN:0306-8919, eISSN:1572-817X, 2021.  
<https://www.webofscience.com/wos/woscc/full-record/WOS:000631087600002>
25. 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>
26. 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))
27. 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>

9 citări BDI:

- 8) 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>
- 9) 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>
- 10) 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>
- 11) Chen Xin(陈新), Zhang Gui-xiang(张桂香), *Middle Range Wireless Power Transfer Systems with Multiple Resonators*, Springer Journal of Central South University, vol. 22, 2015, DOI: 10.1007/s11771-015-2737-x, pp. 2127-2136.  
<http://link.springer.com/article/10.1007%2Fs11771-015-2737-x>

- 12) 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>
- 13) Siqueira, Danrlei Octavian, Planar electromagnetic devices, Federal Technological University of Paraná, PB - Electrical Engineering, pp.62, 2018  
<http://repositorio.utfpr.edu.br/jspui/handle/1/14924>
- 14) 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>
- 15) 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>
- 16) 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](https://link.springer.com/chapter/10.1007/978-3-031-17207-6_2)

- [4]. **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, 7<sup>th</sup> edition, EPE 2012, Iași, România, pp. 699-704, ISBN: 978-1-4673-1172-4, WOS:000324685300127, 2012.  
[Spiral Inductors Inductance Computation and Layout Optimization-Web of Science Core Collection](#)

4 citări WOS:

28. 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>
29. 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, Article Number 4864, WOS:000677176000001, DOI10.3390/s21144864, PubMed ID:34300602, eISSN: 1424-8220, JUL 2021.  
<https://www.webofscience.com/wos/woscc/full-record/WOS:000677176000001>
30. 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, WOS:000687856000190, DOI:10.1109/ICIT46573.2021.9453, ISBN:978-1-7281-5730-6, ISSN:2643-2978, pp 1234-1239, 2021.  
<https://www.webofscience.com/wos/woscc/full-record/WOS:000687856000190>
31. 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 RE-COGNITION Project*, 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:

- 17) Sîrbu Ioana - Gabriela, *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>
- 18) 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.  
<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=8fda10be944beae8d967dff44ae0f0&sot=cite&sdt=a&sl=0&relpos=5&citeCnt=0&searchTerm=>
- 19) Cui, Han, *Modeling, Implementation and Simulation of Two-Winding Plate Inductor*, Doctoral dissertation, VirginiaTech, 2017.

<https://vtechworks.lib.vt.edu/handle/10919/7830>

- 20) Catterson Viona, Stark Artur, Two-Winding Plate Inductor Modeling, Technical Report, 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](https://www.researchgate.net/profile/Viona-Catterson/publication/335421957_Two-Winding_Plate_Inductor_Modeling/links/5d6ae65ea6fdcc547d702a38/Two-Winding-Plate-Inductor-Modeling.pdf)
- 21) Faria A. R. S., Marques L. S., Gaspar J., Alves F. S. and Cabral J. M. N. S., *High precision, geometry independent analytical method for self-inductance calculation in planar coils*, 22nd IEEE International Conference on Industrial Technology (ICIT), Valencia, Spain, 2021, pp. 1234-1239, doi: 10.1109/ICIT46573.2021.9453559, 2021.  
[https://ieeexplore.ieee.org/abstract/document/9453559?casa\\_token=HWwEZW7BM\\_cAAAAA:YC34FMWmo-rUziPegLl6r-PNuIs02wPDNrcP68l9ZqBaQQctjPaZo\\_vBY-IFamDp81GT7fkn8grTeg](https://ieeexplore.ieee.org/abstract/document/9453559?casa_token=HWwEZW7BM_cAAAAA:YC34FMWmo-rUziPegLl6r-PNuIs02wPDNrcP68l9ZqBaQQctjPaZo_vBY-IFamDp81GT7fkn8grTeg)
- 22) 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-BXkILcTfhhTByrXIBRXdKVCV7MkOkHcHT919yCDAYtpreQ](https://ieeexplore.ieee.org/abstract/document/10011230?casa_token=pREwabNYVbcAAAAA:oMwoHhbLgh13Mtgw6Pif7bub0m43Gc1-BXkILcTfhhTByrXIBRXdKVCV7MkOkHcHT919yCDAYtpreQ)

- [5]. 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 2012, Brașov, România, pp. 219 – 224, ISBN: 978-1-4673-1653-8, ISSN 18420133, WOS:000398866700033, 2012.

[Minimization of the Equivalent Parallel Capacitance in Planar Magnetic Integrated Structures-Web of Science Core Collection](#)

1 citare WOS:

32. 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:

- 23) Boroyevich D., Zhang X., Bishnoi H., Burgos R., Mattavelli P., Wang F., *Conducted EMI and Systems Integration*, 2014 8<sup>th</sup> International Conference on Integrated Power Systems (CIPS) IEEE, 25-27 Feb 2014, pp. 1-14, ISBN:978-3-8007-3578-5.  
<https://ieeexplore.ieee.org/abstract/document/6776840>

- 24) 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, 2014, pp. 131-134.

<https://web.s.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jml=18413323&AN=102305276&h=i5tS%2fHFJ9JS%2fp5opbjw13t9%2bkzcHkdOn8COLh%2fbXJJoPe1O%2bDX0BF%2bOHIEADzfMKG%2fVEmwMyHf3jR5Rs4oyA%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jml%3d18413323%26AN%3d102305276>

- [6]. 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, 7<sup>th</sup> edition, EPE 2012, Iași, România, pp. 519-524, ISBN: 978-1-4673-1172-4, WOS:000324685300090, 2012.

[Minimization of the Equivalent Parallel Capacitance in Planar Magnetic EMI Filters-Web of Science Core Collection](#)

3 citări WOS:

33. 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, 16-18 Oct. 2014, pp. 237-244, WOS:000353565300039, ISBN:978-1-4799-5849-8, ISSN:2471-6855, 2014.

<https://www.webofscience.com/wos/allldb/full-record/WOS:000353565300039>

34. 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>



35. 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, DOI10.1007/s40998-022-00553-x, ISSN: 2228-6179, WOS:000865729400002, 2022  
<https://www.webofscience.com/wos/woscc/full-record/WOS:000865729400002>

2 citări BDI:

- 25) 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&url=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrn1%3d18413323%26AN%3d102305276>
- 26) Boroyevich Dushan, Zhang Xuning, Bishinoi Hemant, Burgos Rolando, Mattavelli Paolo, Wang Fred, *Conducted EMI and Systems Integration*, 8th International Conference on Integrated Power Systems (CIPS) IEEE, 25-27 Feb 2014, pp. 1-14, 2014.  
<https://ieeexplore.ieee.org/abstract/document/6776840>
- [7]. 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, 2013.  
[Parasitic Capacitance Removal with an Embedded Ground Layer-Web of Science Core Collection](#)

2 citări BDI:

- 27) Bozhong Pan, Wei Cong, Yanfei Ma, *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) 2019 IEEE 8th International Conference on, pp. 299-302, 2019. DOI: 10.1109/APAP47170.2019.9224989, ISBN:978-1-7281-1722-5.  
<https://ieeexplore.ieee.org/abstract/document/9224989>
- 28) Nagatomo, T., Miki, N., *Reduction of parasitic capacitance of a PDMS capacitive force sensor* 2018, Micromachines, Volume 9, Issue 113 November 2018 Article number 570.  
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85056083904&origin=resultslist&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=>
- [8]. Hebedean Claudia, Munteanu C., Răcășan Adina, **Păcurar Claudia**, *Analysis of the Influence of Parasitic Parameters on Planar Transformers*, 14<sup>th</sup> International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2014, Brașov, România, pp. 40-45, ISBN 978-1-4799-5183-3, WOS:000343551300006, 2014.  
[Analysis of the Influence of Parasitic Parameters on Planar Transformers-Web of Science Core Collection](#)

3 citări BDI:

- 29) 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](http://ie.utcluj.ro/files/acta/2015/Number3/MPS2015_Plesa-1.pdf)
- 30) 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, 2019, 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](#)
- 31) 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.  
<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=49ccbcdef8f3cf06e4572804fbfed381&sot=cite&sdt=a&sl=0&relpos=1&citeCnt=0&searchTerm=>
- [9]. 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, 2014.  
[Efficiency Determination for the Improvement Methods Used for Planar Structures Applied on EMI Filters-Web of Science Core Collection](#)

[10]. 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, 2014.

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

[11]. **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, 2014.

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

1 citare WOS:

36. 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.jestch.2016.09.024, ISSN: 2215-0986, apr. 2017.

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

1 citare BDI:

32) 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>

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

[Spiral Inductors Analysis and Modelling-Web of Science Core Collection](#)

2 citări WOS:

37. 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 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>

38. Oancea C.D., Calin F., *Possibilities to Reduce the Transient Regime for Some Circuits Connected to the Single-Phase Network*, 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:

33) 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&jml=18413323&AN=102305276&h=i5tS%2fHFJ9JS%2fp5opbjw13Jt9%2bkzcHkdOn8CQLh%2fbXJJoPe1O%2bDX0BE%2bOHIEADzfMKG%2fVEmwMyHf3jIR5Rs4oyA%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNoProfile&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jml%3d18413323%26AN%3d102305276>

34) 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>

35) 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>

[13]. 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, 2014.

[Numerical Analysis and Modeling of the Electromagnetic Interferences in Integrated Planar Structures-Web of Science Core Collection](#)

- [14]. Răcășan Adina, Munteanu C., Țopa V., **Păcurar Claudia**, Hebedean Claudia, Cislariu Mihaela, *Methods for Planar Integrated Low Pass Filter Performance Improvements in High Frequency*, Proc. of the 2014 International Conference and Exposition on Electrical and Power Engineering, EPE 2014, Iași, România, pp. 617-621, ISBN 978-1-4799-5849-8, WOS:000353565300113, 2014.  
[Methods for Planar Integrated Low Pass Filter Performance Improvements in High Frequency-Web of Science Core Collection](#)
- [15]. Răcășan Adina, Munteanu C., Țopa V., **Păcurar Claudia**, Hebedean Claudia, *Filter Geometry Optimisation for the Conduction Electromagnetic Interferences Suppression*, 14<sup>th</sup> International Conference on Optimization of Electrical and Electronic Equipment, OPTIM 2014, Brașov, România, pp. 46 – 51, ISBN 978-1-4799-5183-3, WOS:000343551300007, 2014.  
[Filter Geometry Optimization for the Conduction Electromagnetic Interferences Suppression-Web of Science Core Collection](#)

4 citări WOS:

39. 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, 2017.  
<https://www.webofscience.com/wos/alladb/full-record/WOS:000403399400021>
40. Cretu M., Darabant L., Ceclan A., *Power Factor Compensation using OrCAD Simulation. A New Approach in Teaching Electrical Engineering*, 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>
41. 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, 2017.  
<https://www.webofscience.com/wos/alladb/full-record/WOS:000403399400046>
42. 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:

- 36) 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>

- [16]. Răcășan Adina, Munteanu C., Țopa V., **Păcurar Claudia**, Hebedean Claudia, *Electromagnetic Interferences Suppression in Planar Integrated Devices*, Proc. of the 2014 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, 2014.  
[Electromagnetic Interferences Suppression in Planar Integrated Devices-Web of Science Core Collection](#)

2 citări WOS

43. 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>
44. Darabant L., Cretu M., Rafiroiu D., Ciupa R., *Evaluating the Efficiency of Stimulators used in Magnetic Stimulation of the Spinal Cord*, 9TH International Symposium on Advanced Topics in Electrical Engineering (ATEE), pp 275-280, DOI: 10.1109/ATEE.2015.7133779, WOS: 000368159800050, ISBN: 978-1-4799-7514-3, 2015.  
<https://www.webofscience.com/wos/alladb/full-record/WOS:000368159800050>

1 citare BDI:

- 37) Cretu Mihaela, Darabant Laura, Rafiroiu Dan, *Analysis if 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&jml=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%26jml%3d18413323%26AN%3d108705012>

[17]. **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 3<sup>rd</sup> 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, 2014.  
[high Frequency 3D Modeling of Spiral Inductors-Web of Science Core Collection](#)

[18]. 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 3<sup>rd</sup> 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, 2014.  
<https://www.webofscience.com/wos/woscc/full-record/WOS:000346410700046>

1 citare 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&jml=18413323&AN=102305276&h=i5tS%2fHFJ9JS%2fp5opbjw13Jt9%2bkzcHkdOn8CQLh%2fbXJJoPeIO%2bDX0BF%2bOHIEADzfMKG%2fVEmwMyHf3jIR5Rs4oyA%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNoProfile&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jml%3d18413323%26AN%3d102305276>

[19]. 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, 2015.

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

3 citări WOS:

45. 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, 9-11 Oct. 2016, WOS:000406499300009, ISBN:978-1-5090-4158-9, ISSN:2640-6829, eISSN:2640-6810.

<https://www.webofscience.com/wos/alladb/full-record/WOS:000406499300009>

46. Wang N.Z., Yang X., Zhou A.Y., Xie Y.T., *A Novel Experimental Measurement Method of Transformer Parasitic Capacitances*, 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/alladb/full-record/WOS:000589400301134>

47. 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:

39) 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, 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&ot=cite&sdt=a&sl=0&relpos=1&citeCnt=0&searchTerm=>

40) Zacher B. H. and Schumann C., *Fast Switching Planar Inductance Current Source ZETA Converter with Integrated Common Mode Filter*, 24th European Conference on Power Electronics and Applications (EPE'22 ECCE Europe), Hanover, Germany, pp. 1-8, 2022.

<https://ieeexplore.ieee.org/abstract/document/9907076>

[20]. 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, 2015.

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

3 citări BDI:

- 41) 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, 2019.  
<https://ieeexplore.ieee.org/document/8759794>
  - 42) 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, 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=>
  - 43) 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>
- [21]. 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, 2016.

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

3 citări WOS:

48. Long, LC; Wibisono, MA; 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.  
<https://www.webofscience.com/wos/woscc/full-record/WOS:000900755500031>
49. 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, DOI: 10.3390/electronics10182258, eISSN: 2079-9292, WOS: 000699152700001, 2021.  
<https://www.webofscience.com/wos/allldb/full-record/WOS:000699152700001>
50. 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:

- 44) 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, EMCSI 2020, art. no. 9191485, pp. 219-221, DOI: 10.1109/EMCSI38923.2020.9191485, ISBN:978-1-7281-7430-3, 2020.  
<https://ieeexplore.ieee.org/document/9191485>
- 45) 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.  
<https://ieeexplore.ieee.org/abstract/document/9584616>
- 46) Lok Choon Long, Muhammad Ammar Wibisono, Niek Moonen, Robert Smolenski, Piotr Lezynski, *Characteristic of Conducted EMI in Compact Fluorescent Lamps Application Assessment based on CISPR-11*, Electromagnetic Compatibility (APEMC) 2021 Asia-Pacific International Symposium on, pp. 1-4, 2021.  
<https://ieeexplore.ieee.org/abstract/document/9596695>

- 47) Allan Emleh, Hendrik Ferreira, Adrianus Han Vinck, *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/>
- 48) 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*, Asia-Pacific International Symposium on Electromagnetic Compatibility (APEMC), Nusa Dua - Bali, Indonesia, pp. 1-4, doi: 10.1109/APEMC49932.2021.9596695, 2021.  
[https://ieeexplore.ieee.org/abstract/document/9596695?casa\\_token=pGUmnVJ9a-kAAAAA:PFonzvHxjggG3HIH0A7ObfQyN7t9YnV99YAYwHqhK3CGHtlfu4Lo7bMgUmgcp22QtgjqwuRcGcF\\_ja](https://ieeexplore.ieee.org/abstract/document/9596695?casa_token=pGUmnVJ9a-kAAAAA:PFonzvHxjggG3HIH0A7ObfQyN7t9YnV99YAYwHqhK3CGHtlfu4Lo7bMgUmgcp22QtgjqwuRcGcF_ja)
- [22]. 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, 2016.  
[Pre-Compliance Test for Conducted Emissions-Web of Science Core Collection](#)
- 1 citare WOS:**
51. 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/alldb/full-record/WOS:000514082500010>
- [23]. 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, 2016.  
[Analysis, Identification and Minimization the Parasitic Effects of the Multilayer Spiral Inductors-Web of Science Core Collection](#)
- [24]. **Păcurar Claudia**, Țopa V., Răcășan Adina, Munteanu C., Constantinescu Claudia, Pop F., Andreica S., Cislariu Mihaela, *High Frequency Multilayer Spiral Inductors Modeling*, 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. 111-116, ISBN 978-606-737-180-2, WOS:000436122900019, 2016.  
[High Frequency Multilayer Spiral Inductors Modeling-Web of Science Core Collection](#)
- [25]. 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, 2017.  
[The Analysis of the Multilayer Spiral Inductors Parameters at High Frequency-Web of Science Core Collection](#)
- [26]. 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, 2017.  
[Study of Conducted Electromagnetic Emissions of a Wireless Power System-Web of Science Core Collection](#)
- [27]. 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 2017, 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:**

52. 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/allldb/full-record/WOS:000612401900032>
- [28]. 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, 2017.  
[High Frequency Analysis of Monolayer Spiral Inductors-Web of Science Core Collection](#)
- [29]. 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](#)
- [30]. 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](#)
- [31]. 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](#)
- [32]. 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 WOS:**
53. 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>
- [33]. 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 2019, Cluj-Napoca, Romania, ISBN: 978-1-7281-0750-9, DOI: 10.1109/MPS.2019.8759731, WOS: 000612401900079, 2019.  
[High Frequency Analysis of Bandpass Filters-Web of Science Core Collection](#)
- [34]. 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](#)
- [35]. 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.  
[Numerical Modeling and Parametric Analysis of a Switched Reluctance Motor-Web of Science Core Collection](#)

**1 citare WOS:**

54. Tchavychalov M. V., Grebennikov N. V., Trinz D. V., *SRM Simulation with Reduced Amount of Initial Information*, 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>
- [36]. **Păcurar 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 WOS:
55. 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>  
<https://www.mdpi.com/1996-1073/15/21/7991>
- [37]. **Păcurar 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](#)
- 1 citare WOS:
56. 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.  
<https://doi.org/10.3390/s21144864>  
[Scopus - Document details - A fast and precise tool for multi-layer planar coil self-inductance calculation](#)
- 2 citări BDI:
- 49) 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*, 9th 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](#)
- 50) 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.  
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85112588492&origin=resultslist&sort=plf-f&cite=2-s2.0-85070302099&src=s&imp=t&sid=efa6db609f76cd5c535bbeb3fb01ab22&sot=cite&sdt=a&sl=0&relpos=5&citeCnt=0&searchTerm=>
- 51) 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  
<https://onlinelibrary.wiley.com/doi/pdf/10.1002/mmce.23431>
- [38]. 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 978-1-6654-3383-9, 2021.  
[Interlaboratory Comparison of Electromagnetic Fields in Power Supply Systems-Web of Science Core Collection](#)
- [39]. Giurgiuman Adina, Munteanu C., **Păcurar Claudia**, Constantinescu Claudia, Gliga M., Andreica S., *The Influence of the Geometric Shapes of the Component Elements of the Planar Filter on its Parameters*, 2021 9th International Conference on Modern Power Systems (MPS), DOI 10.1109/MPS52805.2021.9492641, ISBN 978-1-6654-3383-9, 2021.  
[The Influence of the Geometric Shapes of the Component Elements of the Planar Filter on its Parameters-Web of Science Core Collection](#)
- [40]. **Păcurar 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*, 2021 9th International Conference on Modern Power Systems (MPS), DOI 10.1109/MPS52805.2021.9492709, ISBN 978-1-6654-3383-9, 2021.

[Planar Spiral Inductors Parameter Extraction needed to design a Wireless Power Supply System-Web of Science Core Collection](#)

- [41]. 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*, 2021 9th International Conference on Modern Power Systems (MPS), DOI 10.1109/MPS52805.2021.9492557, ISBN 978-1-6654-3383-9, 2021.

[Numerical Modelling and Analysis of Circular Patch Antenna Array for Further Use Determination-Web of Science Core Collection](#)

- [42]. 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 978-1-6654-3383-9, 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 indexare în alte baze de date internaționale, BDI

### Reviste BDI

- [1]. Antonescu Oana, Munteanu C., Țopa 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://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](http://ie.utcluj.ro/Contents_Acta_ET/2005/Number%204/Paper10_Antonescu.pdf)
- [2]. 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://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](http://ie.utcluj.ro/Contents_Acta_ET/2005/Number%204/Paper12_Plesa.pdf)
- [3]. **Răcășan Claudia**, Țopa 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://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](http://ie.utcluj.ro/Contents_Acta_ET/2006/Number%201/Paper09_Răcășan.pdf)
- [4]. **Răcășan Claudia**, Țopa 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://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](http://ie.utcluj.ro/Contents_Acta_ET/2006/Number%201/Paper08_Răcășan.pdf)
- [5]. Răcășan Adina, Munteanu C., Țopa 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://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](http://ie.utcluj.ro/Contents_Acta_ET/2006/Number%201/Paper07_Răcășan.pdf)
- [6]. Țopa V., Purcar M., Munteanu C., Grindei Laura, **Păcurar Claudia**, *Electrode Shape Change Simulation Techniques based on the Extended Finite Element and Level Set Method*, Acta Electrotechnica Journal, vol. 50, no. 4, pp. 289-294, ISSN 1841-3323, 2009.  
[http://ie.utcluj.ro/Contents\\_Acta\\_ET/2009/Number4/Paper12\\_Topa.pdf](http://ie.utcluj.ro/Contents_Acta_ET/2009/Number4/Paper12_Topa.pdf)
- [7]. Răcășan Adina, Munteanu C., Țopa 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, ICATE 2010, ISSN 1842-4805, România, 2010.  
[Advances On Parasitic Capacitance Reduction Of Emi Filters | Annals Of The \(indexcopernicus.com\)](#)

2 citări BDI

- 52) Rohit Kumar Verma, Tanmoy Maity, Ivan W. Hofsjager, 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>
- 53) 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>
- [8]. 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://indexcopernicus.com)
- [9]. 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://scholar.google.com/scholar?start=50&q=Răcășan+Adina&hl=en&as_sdt=0,5)  
<http://www.agir.ro/buletine/1808.pdf>
- [10]. Răcășan Adina, Munteanu C., Țopa 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.doi.org/10.1016/j.aue.2014.03.001)
- [11]. **Păcurar Claudia**, Țopa 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>
- [12]. Răcășan Adina, Munteanu C., **Păcurar Claudia**, Țopa 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>
- [13]. 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>
- [14]. **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>
- [15]. **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>
- [16]. 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>

- [17]. 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, pp. 203-208, 2015.  
<https://open.ebsco.com/search/eds/details?query=Electromagnetic%20Modeling%20and%20Frequency%20Response%20Determination%20for%20Planar%20Integrated%20&requestCount=2&db=edo&an=111950720&isbn>
- [18]. 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, 2015.  
<https://open.ebsco.com/search/eds/details?query=Conducted%20Electromagnetic%20Emissions%20Analysis%20and%20Suppression&db=edo&an=108706587&isbn>
- [19]. 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>
- [20]. 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 \(indexcopernicus.com\)](https://open.ebsco.com/search/eds/details?query=A%20Parallel%20Study%20Between%20Today%20and%20Yesterday%20about%20Electromagnetic%20Conducted%20Disturbances&db=edo&an=108706556&isbn)
- [21]. **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>
- [22]. 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, ISSN-L 1841-3323, pp. 542-547, 2016.  
<https://open.ebsco.com/search/eds/details?query=Induction%20Heating%20Spiral%20Inductor%20%E2%80%93%20Comparison%20between%20Practical%20Construction%20and%20Numerical%20Modeling&requestCount=2&db=edo&an=121702021&isbn>
- [23]. 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 \(indexcopernicus.com\)](https://open.ebsco.com/search/eds/details?query=Techniques%20to%20Reduce%20the%20Parasitic%20Capacitance%20of%20the%20Multilayer%20Spiral%20Inductors&db=edo&an=108706556&isbn)
- [24]. **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 Inginerie Electrica, Speccial Issue, ISSN 1842-4805, pp.1-7, 2018.  
<https://journals.indexcopernicus.com/api/file/viewByFileId/438874.pdf>
- [25]. Constantinescu C, **Păcurar C**, Munteanu C, Giurgiuman A, 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>
- [26]. **Păcurar Claudia**, Țopa V, Giurgiuman A, 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>

- [27]. Constantinescu Claudia Alana, **Păcurar Claudia**, Giurgiuman Adina, Munteanu Calin, Dragan Florin, Andreica Sergiu; Gliga Marian, “The Influence of Human Tissues on the Patch Antennas’ Parameters”, Transactions on Electromagnetic Spectrum, Vol.2, No.1, pp.38-48, Doi:10.5281/zenodo.7646244, 2023.  
<https://tesjournal.com/index.php/home/article/view/25/21>

## Proceedings BDI

- [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 6<sup>th</sup> International Power Systems Conference, PSC 2005, Tom 50 (64) 2005, Fascicola 1-2, Timisoara, România, pp. 7-16, ISSN 1582-7194, 2005.  
[http://scholar.google.com/scholar?start=50&q=Răcășan+Adina&hl=en&as\\_sdt=0.5](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](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 6<sup>th</sup> International Power Systems Conference, PSC 2005, Tom 50 (64) 2005, Fascicola 1-2, Timisoara, România, pp. 451-456, ISSN 1582-7194, 2005.  
[http://scholar.google.com/scholar?start=50&q=Răcășan+Adina&hl=en&as\\_sdt=0.5](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](http://www.et.upt.ro/cee/ro/psc/PSC2005/index_files/Papers/L72.pdf)
- [3]. 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, 6<sup>th</sup> International Conference on Electromechanical and Power Systems, SIELMEN 2007, 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](http://scholar.google.com/scholar?hl=en&q=Răcășan+Adina&btnG=&as_sdt=1%2C5&as_sdt)  
<http://elth.ucv.ro/fisiere/anale/2007/140.pdf>
- [4]. 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, 2010.  
[https://scholar.google.com/citations?user=8At8c98AAAAJ&hl=en&citsig=AMstHGTXnNdfA3UD19ozlnqyP\\_aGmUDwVQ](https://scholar.google.com/citations?user=8At8c98AAAAJ&hl=en&citsig=AMstHGTXnNdfA3UD19ozlnqyP_aGmUDwVQ)
- [5]. 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, 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 WOS:  
57. Daniel De Zutter, Dries Vande Ginste, *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](https://www.sciencedirect.com/science/article/pii/S0304388613000551)
- [6]. **Păcurar Claudia**, Țopa V., Răcășan Adina, Munteanu C., *Inductance Computation and Layout Optimization for Spiral Inductors*, 9<sup>th</sup> 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://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:

- 54) 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 \(pub.ro\)](#)
- [7]. **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, 2012.  
[http://scholar.google.com/scholar?start=40&q=Răcășan+Adina&hl=en&as\\_sdt=0,5](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](http://scee2012.ethz.ch/abstracts_new/SCEE12_Abstract_63_poster_Păcurar.pdf)
- [8]. Răcășan Adina, Munteanu C., Țopa V., **Păcurar Claudia**, Hebedean Claudia, *Structural Parasitic Capacitance Reduction Techniques in Planar Magnetic Integrated Structures*, 9<sup>th</sup> 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://scholar.google.com/scholar?start=30&q=Răcășan+Adina&hl=en&as_sdt=0,5),  
<http://www.buletinulagir.agir.ro/articol.php?id=1454>
- [9]. Răcășan Adina, Munteanu C., Țopa V., Micu D., **Păcurar Claudia**, Adam Ema, *Modeling and Analysis of the Performance Improvement Techniques for EMI Filters*, Scientific Computing in Electrical Engineering, SCEE 2012, Zurich, Switzerland, September 11-14, 2012.  
[http://scholar.google.com/scholar?start=20&q=Răcășan+Adina&hl=en&as\\_sdt=0,5](http://scholar.google.com/scholar?start=20&q=Răcășan+Adina&hl=en&as_sdt=0,5),
- [10]. Giurgiuman Adina, Constantinescu Claudia, **Pacurar Claudia**, Topa V., Munteanu C., Gliga M., Andreica S., *The Analysis, Modelling and Comparison between Circular and Rectangular Patch Antennas*, 11th International Conference and Exposition on Electrical and Power Engineering - EPE 2020, ISBN:978-1-7281-8126-4, DOI: 10.1109/EPE50722.2020.9305549, Iași, Romania, 2020.  
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85102008486&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=6&citeCnt=0&searchTerm=>
- [11]. Andreica S., Munteanu C., Gliga M., **Pacurar Claudia**, Giurgiuman Adina, Constantinescu Claudia, *Design of Multilayer Spiral Coils with Different Geometries to Determine the Inductance*, 11th International Conference and Exposition on Electrical and Power Engineering - EPE 2020, ISBN:978-1-7281-8126-4, DOI: 10.1109/EPE50722.2020.9305615, Iași, Romania, 2020.  
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85102002384&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=7&citeCnt=1&searchTerm=>

## 2 citări WOS

58. Lou, J.; Ren, H.; Chao, X.; Chen, K.; Bai, H.; Wang, Z. Recent Progress in the Preparation Technologies for Micro Metal Coils. *Micromachines*, 13, 872.  
<https://doi.org/10.3390/mi13060872>, 2022  
<https://www.mdpi.com/2072-666X/13/6/872>
59. Hitzemann, M.; Lippmann, M.; Trachte, J.; Nitschke, A.; Burckhardt, O.; Zimmermann, S., Wireless Low-Power Transfer for Galvanically Isolated High-Voltage Applications. *Electronics*, 11, 923. <https://doi.org/10.3390/electronics11060923>, 2022  
<https://www.mdpi.com/2079-9292/11/6/923>
- [12]. **Păcurar Claudia**, Giurgiuman Adina, Constantinescu Claudia, Topa V., Munteanu C., Andreica S., Gliga M., *High Frequency Analysis of The Influence of Yagi-Uda Antenna on The Human Head*, 11th International Conference and Exposition on Electrical and Power Engineering - EPE 2020, Iași, Romania, DOI: 10.1109/EPE50722.2020.9305622, ISBN:978-1-7281-8126-4, 2020.  
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85101981488&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=8&citeCnt=0&searchTerm=>

## 1 citare WOS

60. Nadolny, Z., *Impact of Changes in Limit Values of Electric and Magnetic Field on Personnel Performing Diagnostics of Transformers*. *Energies*, 15, 7230.  
<https://doi.org/10.3390/en15197230>, 2022  
<https://www.mdpi.com/1996-1073/15/19/7230>
- [13]. Gliga M., **Păcurar Claudia**, Munteanu C., Andreica S., Constantinescu Claudia, Giurgiuman Adina, *Analysis of Different Type of Ring Inelar Permanent Magnets in order to Achieve a Uniform*

*Magnetic Field Around Them*, 11th International Conference and Exposition on Electrical and Power Engineering - EPE 2020, Iași, Romania, ISBN:978-1-7281-8126-4, DOI: 10.1109/EPE50722.2020.9305525, 2020.

<https://www.scopus.com/record/display.uri?eid=2-s2.0-85101964910&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=](https://www.scopus.com/record/display.uri?eid=2-s2.0-85101964910&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=)

- [14]. 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=](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=)

- [15]. Sergiu Andreica, Calin Munteanu, Marian Gliga, Claudia Pacurar, Adina Giurgiuman, Claudia Constantinescu, *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>

- [16]. Marian Gliga, Calin Munteanu, Sergiu Andreica, Claudia Constantinescu, Adina Giurgiuman, **Claudia Pacurar**, Denisa Morar, *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>

- [17]. Adina Giurgiuman, Claudia Pacurar, Claudia Constantinescu, Calin Munteanu, Marian Gliga, Sergiu Andreica, *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, 2007.
- [2]. Mihaela Pleșa, Rodica Creț, Laura Creț, R. V. Ciupa, **Claudia Răcășan**, *2D Simulations for Estimating the Dielectric Mixtures Permittivity with Different Inclusions*, Analele Universității din Oradea, Fascicola Electrotehnica, Secțiunea Inginerie Electrică, pp. 111-114, ISSN 1223-2106, 2007.
- [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*, Proceedings of the 7<sup>th</sup> International Conference of Applied and Theoretical Electricity, ICATE 2004, pp. 88 – 91, ISBN 973-8043-554-4, Baile Herculane, România, 2004.
- [2]. **Răcășan Claudia**, Țopa V., Răcășan Adina, Antonescu Oana, Plesa Mihaela, *Modeling of On-Chip Inductance*, Proceedings of the 3<sup>rd</sup> International Workshop on Advances in Numerical Computation Methods in Electromagnetism, ANCME 2005, 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 3<sup>rd</sup> International Workshop on Advances in Numerical Computation Methods in Electromagnetism, ANCME 2005, pp. 170-179, ISBN 10973- 686-798-6, Brussels, Belgium, 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*, Proceedings of the 3<sup>rd</sup> International Workshop on Advances in Numerical Computation Methods in Electromagnetism, ANCME 2005, pp. 152-159, ISBN 10973686-798-6, Brussels, Belgium, 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, 4<sup>th</sup> International Conference on Electrical and Power Engineering, EPE 2006, pp. 751-756, ISSN 1223-8139, Iași, România, 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, 4<sup>th</sup> International Conference on Electrical and Power Engineering, EPE 2006, pp. 757-763, ISSN 1223-8139, Iași, România, 2006.
- [7]. **Răcășan Claudia**, Țopa V., Răcășan Adina, Munteanu C., Antonescu Oana, *HF Interconnects Inductance Calculation*, Acta Electrotehnica, Special Issue, Selected Papers from the 1<sup>st</sup> International Conference on Modern Power Systems, MPS 2006, vol. 47, no. 4, pp. 283-286, ISSN 1841-3323, 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 6<sup>th</sup> International Conference on Scientific Computing in Electrical Engineering, SCEE'06, pp.142-143, ISBN 978-973-718-520-4, Sinaia, România, 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, 4<sup>th</sup> International Conference on Electrical and Power Engineering, EPE 2006, pp. 743-750, ISSN 1223-8139, Iași, România, 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 1<sup>st</sup> International Conference on Modern Power Systems, MPS 2006, vol. 47, no. 4, pp. 217-220, ISSN 1841-3323, 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), Fasc. 5B, 4<sup>th</sup> International Conference on Electrical and Power Engineering, EPE 2006, pp. 1313-1318, ISSN 1223-8139, Iași, România, 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 1<sup>st</sup> International Conference on Modern Power Systems, MPS 2006, vol. 47, no. 4, pp. 193-198, ISSN 1841-3323, 2006.
- [13]. Man L., Man E., Simion E., **Răcășan Claudia**, *Software for Solving Nonlinear Electric Circuits*, Buletinul Institutului Politehnic Iași, Tomul LII (LVI), Fasc. 5B, 4<sup>th</sup> International Conference on Electrical and Power Engineering, EPE 2006, pp. 721-724, ISSN 1223-8139, Iași, România, 2006.
- [14]. 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, 2006.
- [15]. **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, 2007.
- [16]. **Răcășan Claudia**, Țopa V., Răcășan Adina, Munteanu C., Antonescu Oana S., *High Frequencies On-Chip Interconnects Inductance Extraction*, Proceedings of the 7<sup>th</sup> International Power Systems Conference, PSC 2007, pp. 565-572, ISSN 1582-7194, Timisoara, Romania, 2007.
- [17]. 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, 2007.
- [18]. 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 7<sup>th</sup> International Power Systems Conference, PSC 2007, pp. 557-564, ISSN 1582-7194, Timisoara, 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, 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, 5<sup>th</sup> International Conference on Electrical and Power Engineering, EPE 2008, pp. 47-54, ISSN 1223-8139, Iași, România, 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, 5<sup>th</sup> International Conference on Electrical and Power Engineering, EPE 2008, pp. 55-62, ISSN 1223-8139, Iași, România, 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, 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*, 13<sup>th</sup> Biennial IEEE Conference on Electromagnetic Field Computation, CEFC 2008, 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*, 13<sup>th</sup> Biennial IEEE Conference on Electromagnetic Field Computation, CEFC 2008, pp. 419-420, Atena, Grecia, 2008.
- [25]. Pleșa Mihaela, Dărăbant Laura, Ciupa R., Răcășan Adina, **Răcășan Claudia**, *Magnetic Stimulation of Peripheral Nerves in a Cylindrical Volume Conductor*, 13<sup>th</sup> Biennial IEEE Conference on



- Electromagnetic Field Computation, CEFC 2008, pp. 546-548, Atena, Grecia, [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 2<sup>nd</sup> International Conference on Modern Power Systems, MPS 2008, Editura Mediamira, pp. 321-324, ISSN 1841-3323, Cluj-Napoca, România, [2008](#).
- [27]. Pocan I., Morar R., **Răcășan Claudia**, Muntean O., Suărășan I., Sfirlea I., *Conduced Emissions Measurement of the Assembly "high Voltage Source-Corona Electrostatic Separator" in the Main System*, Acta Electrotehnica, Special Issue, Proceedings of the 2<sup>nd</sup> International Conference on Modern Power Systems, MPS 2008, Editura Mediamira, pp. 329-332, ISSN 1841-3323, Cluj-Napoca, România, [2008](#).
- [28]. **Păcurar Claudia**, Răcășan Adina, Țopa V., Munteanu C., *Analyzing and Modeling On – Chip Interconnects Inductance*, Proceedings of the 7<sup>th</sup> International Conference of Electromechanical and Power Systems, SIELMEN 2009, pp. 312-315, ISBN 978-606-520-617-5, Iași, [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 2009, pp. 537-542, ISBN 978-2-84832-115-8, Arras, Franta, [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 7<sup>th</sup> International Conference of Electromechanical and Power Systems, SIELMEN 2009, pp. 308-311, ISBN 978-606-520-617-5, Iași, Romania, [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, [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, [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*, 7<sup>th</sup> Nat. Conf. on Industrial Energetics, CNEI 2009, pp. 427-432, Bacau, România, [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, [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 3<sup>rd</sup> 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, [2010](#).
- [37]. Purcar M., Muntean F., Maxim N., **Păcurar Claudia**, Garvasuc O., Grindei Laura, Țopa V., Munteanu C., *Optimal Design for the Deposited layer Thickness during the Electroplating Process*, The 3<sup>rd</sup> International Conference on Modern Power Systems, MPS 2010, Acta Electrotehnica, Special Issue, vol. 51, no. 5, pp. 311-315, ISSN 1841-3323, Cluj-Napoca, România, [2010](#).

- [38]. C. Munteanu, Laura Grindei, **Claudia Păcurar**, O. Garvasuc, M. Purcar, V. Țopa, *Multi-objective Optimization using a Strength Pareto Evolutionary Algorithm*, The 3<sup>rd</sup> International Conference on Modern Power Systems, MPS 2010, Acta Electrotehnica, Special Issue, vol. 51, no. 5, pp. 277-281, ISSN 1841-3323, Cluj-Napoca, România, [2010](#).
- [39]. 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 6<sup>th</sup> International Conference on Electrical and Power Engineering, EPE 2010, vol. 10, pp. 253-257, ISBN 978-606-13-0077-8, Iași, România, [2010](#).
- [40]. 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, Proceedings of the 4<sup>th</sup> International Conference on Modern Power Systems, MPS 2011, vol. 52, no. 5, pp. 395-400, ISSN: 1841-3323, Cluj-Napoca, România, [2011](#).
- [41]. **Păcurar Claudia**, Țopa V., Munteanu C., Răcășan Adina, Hebedean Claudia, *Spiral Inductor Analysis using CIBSOC Software Program*, Acta Electrotehnica, Special Issue, Proceedings of the 5<sup>th</sup> International Conference on Modern Power Systems, MPS 2013, ISSN: 1841-3323, vol. 54, no. 5, pp. 351-356, Cluj-Napoca, România, [2013](#).
- [42]. **Păcurar Claudia**, Țopa V., Munteanu C., Răcășan Adina, Hebedean Claudia, *Modeling and Optimization of Square, Hexagonal, Octagonal and Circular Spiral Inductors*, Proceedings of the 9<sup>th</sup> International Conference on Electromechanical and Power Systems, SIELMEN 2013, Editura PIM, pp. 394-400, ISBN 978-606-13-1560-4, [2013](#).
- [43]. Răcășan Adina, Munteanu C., Țopa V., **Păcurar Claudia**, Hebedean Claudia, *Filters for Conductive Electromagnetic Interference Suppression with Planar Electromagnetic Technology*, Acta Electrotehnica, Special Issue, Proceedings of the 5<sup>th</sup> International Conference on Modern Power Systems, MPS 2013, ISSN: 1841-3323, vol. 54, no. 5, pp. 394-401, Cluj-Napoca, România, [2013](#).
- [44]. 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 5<sup>th</sup> International Conference on Modern Power Systems, MPS 2013, ISSN 1841-3323, vol. 54, no. 5, pp. 213-218, Cluj-Napoca, România, [2013](#).
- [45]. Hebedean Claudia, Munteanu C., Răcășan Adina, **Păcurar Claudia**, *Influence of the Losses Increase Methods on the Parasitic Capacitances Values in Planar Structures*, Proceedings of the 9<sup>th</sup> International Conference on Electromechanical and Power Systems, SIELMEN 2013, Editura PIM, pp. 403-409, ISBN 978-606-13-1560-4, [2013](#).
- [46]. **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, [2015](#).
- [47]. 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, [2015](#).
- [48]. Constantinescu Claudia, Munteanu C., Răcășan Adina, **Păcurar Claudia**, *Parameter Influence on the Operation of an Induction Heating Device*, Proceedings of the 10<sup>th</sup> International Conference on Electromechanical and Power Systems, SIELMEN 2015, Editura PIM, pp. 1-6, ISBN 978-606-567-284-0, Chisinau, Republica Moldova, [2015](#).

Cluj-Napoca,  
30.05.2023

Conf. dr. ing. ec. **Claudia RĂCĂȘAN (căs. PĂCURAR)**