

LISTA DE LUCRĂRI

Prof.dr.ing. Florin CIUPRINA

I. TEZA DE DOCTORAT

- T1. Florin CIUPRINA**, "*Contribuții privitoare la probleme de conducție electrică în materialele electroizolante*", U.P.B., 1997.

II. CĂRȚI PUBLICATE

- Ca1. F. Ciuprina**, *Science des Matériaux de l'Electrotechnique – Notes de cours*, Editura Printech, 2001, 129 pagini, **ISBN 973-652-323-3**. (criteriu minimal 1.1.1)
http://lme.elmat.pub.ro/~florin/student/FILS/curs_sm_fr.pdf
- Cb1. F. Ciuprina**, Tiberiu Tudorache, *Utilizarea Flux 3D pentru analiza dielectricilor*, Editura Matrix Rom, 2006, 147 pagini, **ISBN 973-755-092-7**. (criteriu minimal 1.1.1)
- Cb2. F. Ciuprina**, *Materiale Electrotehnice – Fenomene și Aplicații*, Editura Printech, 2007, 213 pagini, **ISBN 978-973-718-724-6**. (criteriu minimal 1.1.1)

III. ALTE MATERIALE PUBLICATE

- I1.** P.V. Noțingher, **F. Ciuprina**, L.M. Dumitran, *Materiale pentru Electrotehnică – Culegere de probleme*, Editura Matrix Rom, 2005, 191 pagini, **ISBN 973-685-907-X**. (criteriu minimal 1.1.1)
- I2.** **F. Ciuprina**, P.V. Noțingher, *Science des Matériaux de l'Electrotechnique – Travaux pratiques et exercices*, Centrul de multiplicare UPB, 2001, 69 pagini. (criteriu minimal 1.2.2)
http://lme.elmat.pub.ro/~florin/student/FILS/SM_elth_lab_guide.pdf
- I3.** **F. Ciuprina**, *Caracterizarea electrica a polimerilor electroizolanti*, Editura Printech, 2015, 71 pagini, **ISBN 978-606-23-0365-5** (criteriu minimal 1.2.2)
- I4.** **F. Ciuprina**, P.V. Noțingher, *Materiale Electrotehnice – Fișe de laborator*, UPB, 2008, 57 pagini.
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- D1.** **F. Ciuprina**, *Materiale Electrotehnice – Note de curs*, Centrul de multiplicare UPB, 2001, 123 pagini. (criteriu minimal 1.2.1)
http://www.elmat.pub.ro/~florin/student/Energetica/curs_mat_elth.pdf
- D2.** **F. Ciuprina**, *Medii informatice utilizate pentru proiectare in ingineria electrica – Planse de prezentare*, UPB, 2009, 320 planse (slide-uri). (criteriu minimal 1.2.1)
http://www.elmat.pub.ro/~florin/student/MINF/course_files/
- D3.** **F. Ciuprina**, *Materiale electrotehnice – Planse de prezentare*, UPB, 2009, 194 planse (slide-uri). (criteriu minimal 1.2.1)

- D4. F. Ciuprina**, *Science des Matériaux de l'Electrotechnique – Planse de prezentare*, UPB, 2009, 180 planse (slide-uri). (criteriu minimal 1.2.1)
<http://www.elmat.pub.ro/~florin/student/FILS/>

IV. ARTICOLE / STUDII PUBLICATE

Ri - Lucrări publicate în reviste de specialitate

- Ris1.** A.N. Frone, C.D. Usurelu, G.M. Oprica, D.M. Panaitescu, A.R. Gabor, C.A. Nicolae, F. Ciuprina, C.M. Damian, F.M. Raduly, *Contribution of the Surface Treatment of Nanofibrillated Cellulose on the Properties of Bio-Based Epoxy Nanocomposites Intended for Flexible Electronics*, International Journal of Molecular Sciences Vol. 24, no. 7: 6544, **2023**, ISSN **1422-0067**, impact factor 6.208, **BDI: ISI Web of Science**, WOS: 000968651600001, **Google Scholar**.
<https://doi.org/10.3390/ijms24076544>
- Ris2.** D.M. Panaitescu, M.S. Popa, **F. Ciuprina**, L. Enache, A.N. Frone, C.A. Nicolae, A.R. Gabor, R. Trusca, V. Raditoiu, B. Trica, M. Ghiurea, *Role of polyaniline coating on nanosilica particles in polyvinylidene fluoride nanocomposites for energy storage*, Surfaces and Interfaces, Vol. 36, 102546, **2023**, ISSN **2468-0230**, impact factor 6.137 **BDI: ISI Web of Science**, WOS:000901567100001, **Google Scholar**.
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- Ris3.** **F. Ciuprina**, D.M. Panaitescu, L. Enache, C.M. Damian, R.M. Grigorescu, A.R. Gabor, C.A. Nicolae, C.L. Nistor, R. Trusca, *Control of Dielectric and Mechanical Properties of Styrenic Block Copolymer by Graphite Incorporation*, Materials, Vol. 15, no. 21: 7577, **2022**, ISSN **1996-1944**, impact factor 3.748, **BDI: ISI Web of Science**, WOS:000881235300001, **Google Scholar**.
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- Ris4.** E.R. Radu, D.M. Panaitescu, L. Andrei, **F. Ciuprina**, C.A. Nicolae, A.R. Gabor, R. Truşcă, *Properties of Polysiloxane/Nanosilica Nanodielectrics for Wearable Electronic Devices*, Nanomaterials Vol. 12, No. 1: 95, **2022** (publicat 29 decembrie **2021**), ISSN **2079-4991**, impact factor 5.719, **BDI: ISI Web of Science**, WOS:000751054500001, **Google Scholar**.
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- Ris5.** R.M. Grigorescu, P. Ghioca, L. Iancu, M.E. David, R.M. Ion, C.A. Nicolae, R.A. Gabor, E.R. Radu, M. Ganciarov, B. Spurcaci, E. Alexandrescu, **F. Ciuprina**, *Influence of non-metallic fraction of printed circuit boards waste on recycled polyvinyl chloride from waste wires*, Journal of Applied Polymer Science, Vol. 139, No. 2, e51469, **2022** (publicat 30 iulie **2021**), ISSN **1097-4628**, impact factor 3.057, **BDI: ISI Web of Science**, WOS:000679451500001, **Google Scholar**.
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- Ris6.** **F. Ciuprina**, L. Andrei, *Water and Thermal Aging Influence on Dielectric Response of Low Density Polyethylene-Al₂O₃ Nanocomposites*, Revue roumaine des sciences techniques - Série Électrotechnique et Énergétique, Vol. 64, No. 4, pp. 303-307, **2019**,

ISSN 0035-4066, impact factor: 0.763, **BDI: ISI Web of Science**, WOS:000509418000001, **Google Scholar**.

- Ris7.** R.M. Grigorescu, **F. Ciuprina**, P. Ghioca, M. Ghiurea, L. Iancu, B. Spurcaci, D.M. Panaitescu, *Mechanical and dielectric properties of SEBS modified by graphite inclusion and composite interface*, Journal of Physics and Chemistry of Solids, Vol. 89 pp. 97-106, **2016**, Pergamon-Elsevier Science, ISSN **0022-3697**, impact factor: 2.752, **BDI: ISI Web of Science**, WOS:000366779500014, **Google Scholar**. (criteriu minimal 2.1)
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- Ris8.** **F. Ciuprina**, L. Andrei, *Effects of temperature and nanoparticles on dielectric properties of PVC*, UPB Scientific Bulletin, Series C: Electrical Engineering and Computer Science, Vol. 77, No. 4, pp. 383-392, **2015**, ISSN 2286-3540, **BDI: ISI Web of Science**, WOS:000421811300033, **Google Scholar**, (criteriu minimal 2.2)
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- Ris9.** L.C. Burnea, T. Zaharescu, A. Dumitru, I. Plesa, **F. Ciuprina**, *Radiation stability of polypropylene/lead zirconate composites*, Journal of Radiation Physics and Chemistry, Vol. 94, pp. 156-160, **2014**, Pergamon-Elsevier Science, ISSN 0969-806X, impact factor: 1.984, **BDI: ISI Web of Science**, WOS:000328182300034, **Google Scholar**. (criteriu minimal 2.1)
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- Ris10.** **F. Ciuprina**, T. Zaharescu, I. Plesa, *Effects of γ -radiation on dielectric properties of LDPE- Al_2O_3 nanocomposites*, Journal of Radiation Physics and Chemistry, Vol. 84, pp. 145-150, **2013**, Pergamon-Elsevier Science, ISSN 0969-806X, impact factor: 1.984, **BDI: ISI Web of Science**, WOS:000316095100030, **Google Scholar**. (criteriu minimal 2.1)
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- Ris11.** **F. Ciuprina**, A. Hornea, M.G. Barbuta, *Influence Of Temperature On Dielectric Performance Of Epoxy Nanocomposites With Inorganic Nanofillers*, UPB Scientific Bulletin, Series A: Applied Mathematics and Physics, Vol. 75, No. 3, pp.159-168, **2013**, ISSN 1223-7027, impact factor: 0.3, **BDI: ISI Web of Science**, WOS:000322847600016, **Google Scholar**. (criteriu minimal 2.1)
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- Ris12.** D. Panaitescu, **F. Ciuprina**, M. Iorga, A. Frone, C. Radovici, M. Ghiurea, S. Sever, I. Plesa, *Effects of SiO_2 and Al_2O_3 Nanofillers on Polyethylene Properties*, Journal of Applied Polymer Science, Vol. 122 No.3, pp. 1921–1935, **2011**, Wiley Periodicals, ISSN **0021-8995**, impact factor: 1.768, **BDI: ISI Web of Science**, WOS:000293849200055, **Google Scholar**. (criteriu minimal 2.1)
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- Ris13.** I. Plesa, **F. Ciuprina**, P. V. Notingher, D. Panaitescu, *Inorganic Nano-filler Effects on Resistivity and Absorption Currents in Low Density Polyethylene Nanocomposites*, Revue Roumaine des Sciences Techniques - Serie Electrotechnique et Energetique, Vol. 56, No. 3, pp. 277-284, **2011**, ISSN 0035-4066, impact factor: 0.337, **BDI: ISI Web of Science**, WOS:000298453900004, **Google Scholar**. (criteriu minimal 2.1)
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- Ris14.** F. Ciuprina, G. Teissedre, J.C. Filippini, A. Smedberg, A. Campus, N. Hampton, *Chemical Crosslinking of Polyethylene and its Effect on Water Tree Initiation and Propagation*, IEEE Transactions on Dielectrics and Electrical Insulation, Vol. 17, No. 3, pp. 709-715, **2010**, ISSN 1070-9878, impact factor: 1.774, **BDI: ISI Web of Science**, WOS:000281865900009, **IEEEExplore**, **Google Scholar**. (criteriu minimal 2.1)
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- Ris15.** T. Zaharescu, F. Buse, S. Jipa, I. Plesa, F. Ciuprina, *The Assessment on Insulation Behaviour of Multilayer EPDM/Paper Composite*, Materiale Plastice, Vol. 47, No. 2, pp. 195-198, **2010**. ISSN 0025-5289, impact factor: 0.379, **BDI: ISI Web of Science**, WOS:000281051300015, **Google Scholar**. (criteriu minimal 2.1)
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- Ris16.** F. Ciuprina, T. Zaharescu, S. Jipa, I. Plesa, P.V. Notingher, D. Panaitescu, *Dielectric Properties And Thermal Stability of Gamma-Irradiated Inorganic Nanofiller Modified PVC*, Journal of Radiation Physics and Chemistry, Vol. 79, No. 3, pp. 379-382, **2010**, Pergamon-Elsevier Science, ISSN 0969-806X, impact factor: 1.375, **BDI: ISI Web of Science**, WOS:000274958200041, **Google Scholar**. (criteriu minimal 2.1)
<http://www.sciencedirect.com/science/article/pii/S0969806X09004307>
- Ris17.** F. Ciuprina, T. Zaharescu, S. Jipa, I. Plesa, P.V. Notingher, D. Panaitescu, *Effects of Ionizing Radiation on the Dielectric Properties of LDPE-Al₂O₃ Nanocomposites*, UPB Scientific Bulletin, Series C: Electrical Engineering and Computer Science, Vol. 72, No. 3, Politehnica Press, pp. 259-268, **2010**, ISSN 1454-234x, **BDI Google Scholar**, (criteriu minimal 2.2)
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- Ris18.** I. Plesa, F. Ciuprina, P.V. Notingher, *Dielectric Spectroscopy of Epoxy Resin with and without Inorganic Nanofillers*, Journal of Advanced Research in Physics, Vol. 1. No. 1, **2010**, ISSN 2067-0451, **BDI Google Scholar**, (criteriu minimal 2.2)
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- Ris19.** C. Stancu, P.V. Notingher, F. Ciuprina, P. Notingher, J. Castellon, S. Agnel, A. Toureille, *Computation of the Electric Field in Cable Insulation in the Presence of Water Trees and Space Charge*, IEEE Transactions on Industry Applications, Vol. 45, Nr. 1, pp. 30-43, **2009**, ISSN: 0093-9994, impact factor: 1.672, **BDI: ISI Web of Science**, WOS:000262817000005, **IEEEExplore**, **Google Scholar**. (criteriu minimal 2.1)
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- Ris20.** F. Ciuprina, T. Tudorache, *Electrostatic field computation in a nanocomposite dielectric*, Revue Roumaine de Sciences Techniques – Electrotechnique et Energetique-, Tome 53, Nr.1, pp. 59-66, **2008**, ISSN 0035-4066, impact factor: 0.337, **BDI: ISI Web of Science**, WOS:000255784200007, **Google Scholar**. (criteriu minimal 2.1)
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- Ris21.** D.M. Panaitescu, P.V. Notingher, M. Ghiurea, F. Ciuprina, H. Paven, M. Iorga, D. Florea, *Properties of composite materials from polyethylene and cellulose microfibrils*, Journal of Optoelectronics and Advanced Materials, Vol. 9, No. 8, pp. 2524-2528, **2007**,

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- Ris22.** T. Zaharescu, **F. Ciuprina**, *Electrical Behaviour of Synthetic Elastomers under Gamma Irradiation*, Materiale Plastice, Vol. 43., Nr. 1, pp. 59-61, **2006**, ISSN 0025-5289, impact factor: 0.379, **BDI: ISI Web of Science**, WOS:000236960700013, **Google Scholar**. (criteriu minimal 2.1)
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- Ris23.** T. Zaharescu, **F. Ciuprina**, *Radiolysis Effects on Polyethylene Terephthalate*, Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Vol. 236, Elsevier B.V., pp. 575-579, **2005**, ISSN 0168-583X, impact factor: 1.266, **BDI: ISI Web of Science**, WOS:000230948600091, **Google Scholar**. (criteriu minimal 2.1)
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- Ris24.** **F. Ciuprina**, G. Téissedre, J.C. Filippini, P.V. Nottingher, A.Campus and T. Zaharescu, *Water Treeing in Chemically Crosslinked Polyethylene*, in Journal of Optoelectronics and Advanced Materials, Bucuresti, Romania, Vol. 6, No. 3, pp. 1077-1080, **2004**, ISSN 1454-4164, **BDI Google Scholar**, (criteriu minimal 2.2)
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- Ris25.** **F. Ciuprina**, G. Teissedre, J.C. Filippini, *Polyethylene Crosslinking and Water Treeing*, în POLYMER Vol. 42 (18), Elsevier Science, pp. 7841-7846, **2001**, ISSN **0032-3861**, impact factor: 3.771, **BDI: ISI Web of Science**, WOS:000169119900040, **Google Scholar**. (criteriu minimal 2.1)
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Vis - Lucrări publicate în volume proceedings indexate ISI Thomson-Reuters sau în alte BDI

- Vis1.** L. Enache, **F. Ciuprina**, *Influence of Thermal Aging on Dielectric Behavior of LDPE/TiO₂ Nanocomposites*, 2024 IEEE International Conference And Exposition On Electric And Power Engineering (EPEi), Iasi, Romania, 17-19 October 2024, pp. 25-28, doi: 10.1109/EPEi63510.2024.10758092, ISBN: 979-8-3503-5619-9, **2024**, **BDI: IEEEExplore, Google Scholar**.
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- Vis2.** A.I. Perdum, A. Banu, L. Enache, **F. Ciuprina**, *Dielectric Properties of PA6-HGB-MWCNT Hybrid Composites*, 2023 Proceedings of 13th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, 23-25 March 2023, pp. 1-6, doi: 10.1109/ATEE58038.2023.10108360, ISBN: 979-8-3503-3193-6, **2023**, **BDI: IEEEExplore, Google Scholar**.
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- Vis3.** **F. Ciuprina**, L. Enache, C. A. Nicolae, R. Gabor, D. Panaitescu, *Dielectric Response of PVDF-Al₂O₃ Nanocomposites*, IEEE Conference on Electrical Insulation and Dielectric Phenomena (CEIDP 2023), East Rutherford, NJ, (USA), 15-19 October 2023, pp. 1-4, **2023**, **BDI: ISI Web of Science**, ISBN: 979-8-3503-3562-0, WOS:001169469200005, **IEEEExplore, Google Scholar**.
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- Vis4.** F. Ciuprina, L. Andrei, S. Bădilă, D. Panaitescu, *Effect of Interface Thickness on Tuning Dielectric Properties of PVDF-TiO₂ Nanodielectrics*, Proceedings of the 4th International Conference on Dielectrics (IEEE-ICD 2022) , Palermo (Italy) 3-7 July, pp. 281-284, doi: 10.1109/ICD53806.2022.9863521, **2022, BDI: IEEE Xplore** <https://ieeexplore.ieee.org/document/9863521>
- Vis5.** L. Andrei, F. Ciuprina, E. Radu, A. Gabor, D. Panaitescu, *Dielectric performances of LSR-SiO₂ nanocomposites for wearable antennas substrate*, Proceedings of the 7th International Symposium on Electrical and Electronics Engineering (ISEEE 2021), Galați, Romania, 28-30 October 2021, pp 1-5, **2021, ISBN: 978-1-6654-3799-8, IEEE Xplore, Google Scholar.**
- Vis6.** F. Ciuprina and L. Andrei, *Interface Role on Temperature Dependent Dielectric Response of LDPE-TiO₂ Nanocomposites*, Proceedings of the 12th International Symposium Advanced Topics in Electrical Engineering (ATEE 2021), Bucharest, 25-27 March, pp. 1-6, **2021, BDI: ISI Web of Science, ISBN: 978-1-6654-1878-2, WOS:000676164800128, IEEEExplore, Google Scholar.**
- Vis7.** L. Andrei, F. Ciuprina, *Temperature Influence on Electrical Conductivity of PVC-TiO₂ Nanocomposites*, Proceedings of the 9th International Conference on Modern Power Systems (MPS 2021), Cluj Napoca, Romania, 16-17 June, pp. 1-5, **2021, BDI: ISI Web of Science, ISBN: 978-1-6654-3383-9, WOS:000941563300048, IEEEExplore, Google Scholar.**
- Vis8.** L. Andrei, F. Ciuprina, *Temperature Influence on Dielectric Response of LDPE-TiO₂ Nanocomposite*, Proceedings of the International Symposium on Fundamentals of Electrical Engineering (ISFEE 2020) - online edition, Bucharest, Romania, 5-7 November, pp. 1-5, **2020, BDI: ISI Web of Science, ISBN: 9978-1-7281-9038-9, WOS:000812321500053, IEEEExplore, Google Scholar.**
- Vis9.** F. Ciuprina, L. Andrei, Sergiu Stoian, Raluca Gabor, Denis Panaitescu, *Dielectric Response and Dynamic Mechanical Analysis of PHBV-TiO₂ Nanocomposites*, Proceedings of the 3rd International Conference on Dielectrics (IEEE-ICD 2020) - virtual edition, Valencia (Spain) 6-31 July, pp. 1-4, **2020, BDI: ISI Web of Science, WOS:000678286100056, IEEEExplore, Google Scholar,** <https://doi.org/10.1109/ICD46958.2020.9341988>
- Vis10.** L. Andrei, F. Ciuprina, *Water Exposure and Thermal Aging Effects on Dielectric Response of Liquid Silicone Rubber Insulators*, Proceedings of the 8th International Conference on Modern Power Systems (MPS 2019), Cluj Napoca, Romania, 21-23 May, pp. 1-4, **2019, ISBN: 978-1-7281-0750-9, BDI: ISI Web of Science, WOS:000612401900086, IEEEExplore, Google Scholar.**
- Vis11.** F. Ciuprina and L. Andrei, *Interphase dielectric properties of LDPE-TiO₂ nanocomposites*, Proceedings of the 11th International Symposium Advanced Topics in Electrical Engineering ATEE 2019, Bucharest, 28-30 March, pp. 1-5, **2019, BDI: ISI Web of Science, WOS:000475904500093, IEEEExplore, Google Scholar.**
- Vis12.** F. Ciuprina, L. Andrei, *Water and Heat Exposure Influence on Dielectric Response of LDPE-Al₂O₃ Nanocomposites*, Proceedings of the International Symposium on Fundamentals of Electrical Engineering ISFEE 2018, Bucuresti, 1-3 Nov., pp. 1-4,

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- Vis13.** L. Andrei, **F. Ciuprina**, *Estimation of Frequency Dependent Dielectric Behavior of PP-SiO₂ Nanocomposite Interphase at Different Temperatures*, Proceedings of IEEE International Conference on Dielectrics (ICD) 2018, Budapest, Hungary, July 1-5, pp. 1-5, **2018**, ISBN 978-1-5386-6389-9, **BDI: ISI Web of Science, WOS:000446959700193, IEEEExplore, Google Scholar.**
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- Vis15.** **F. Ciuprina**, L. Andrei, D. Panaitescu, T. Zaharescu, *Temperature Influence on Dielectric Properties of PP-SiO₂ Nanocomposites*, Proceedings of IEEE International Conference on Dielectrics (ICD) 2016, Montpellier, France, July 3-7, pp. 112-115, **2016**, ISBN 978-1-5090-2804-7, **BDI: ISI Web of Science, WOS: 000389639800028, IEEEExplore, Google Scholar.** (criteriu minimal 2.1).
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- Vis16.** D. Wald, **F. Ciuprina**, *Is water treeing a problem for high voltage cables?*, First South East European Regional CIGRÉ Conference, SEERC **2016**, Portoroz, Slovenia, June 7-8, pp. 1-11, **2016**, ISBN 978-961-6265-29-4 **BDI: Google Scholar.**
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- Vis17.** L. Andrei, I. Vlad, **F. Ciuprina**, *Electric Field Distribution in Power Cable Insulation Affected by Water Trees*, Proceedings of the 9th International Symposium Advanced Topics in Electrical Engineering ATEE 2015, Bucuresti, 7-9 May, pp. 426-429, **2015**, ISBN 978-1-4799-7514-3, **BDI: ISI Web of Science, WOS: 000368159800080, IEEEExplore, Google Scholar.** (criteriu minimal 2.1).
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- Vis18.** **F. Ciuprina**, B. Ghiliftoiu, *Properties estimation of inhomogeneous dispersive materials by electromagnetic modeling and dielectric spectroscopy*, IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization (NEMO) 2015, Ottawa, Canada, 11-14 August 2015, pp. 1-4, **2015**, ISBN 978-1-4799-6811-4, **BDI: ISI Web of Science, WOS: 000380464100078, IEEEExplore, Digital Object Identifier: 10.1109/NEMO.2015.7415068, Google Scholar.** (criteriu minimal 2.2).
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- Vis19.** L. Andrei, I. Vlad, **F. Ciuprina**, *Electric field distribution in power cable insulation affected by various defects*, Proceedings of the International Symposium on Fundamentals of Electrical Engineering ISFEE 2014, Bucuresti, 28-29 Nov., pp. 1-5, **2014**, ISBN:978-1-4799-6821-3, **BDI: ISI Web of Science, WOS: 000380570500038,**

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- Vis20.** **F. Ciuprina**, A. Hornea, L. Andrei, *AC breakdown strength and dielectric response of water-treed low density polyethylene*, Proceedings of the 8th International Symposium Advanced Topics in Electrical Engineering ATEE 2013, Bucuresti, 23-25 May, pp. 01-04, **2013**, ISBN 978-1-4673-5979-5, **BDI: ISI Web of Science**, WOS:000332928500116, **IEEEExplore**, **Google Scholar**. (criteriu minimal 2.1).
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- Vis21.** **F. Ciuprina**, L. Andrei, F.M.G. Tomescu, I. Plesa, T. Zaharescu, *Electrostatic Model of LDPE-SiO₂ Nanodielectrics*, International Conference on Solid Dielectrics IEEE-ICSD, Bologna, Italy, June 30 – July 4, pp. 876 – 879, **2013**, ISBN 978-1-4799-0807-3, **BDI: ISI Web of Science**, WOS:000339117400205, **IEEEExplore**, **Google Scholar**. (criteriu minimal 2.1).
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- Vn1.** L. Andrei, **F. Ciuprina**, *Analiza conductivității electrice a nanocompozitelor PVC-TiO₂ prin spectroscopie dielectrică*, Simpozionul de Masini Electrice (ACTUALITĂȚI ȘI PERSPECTIVE ÎN DOMENIUL MAȘINILOR ELECTRICE – SME' 20), 20 Noiembrie, **2020**, ISSN: 1843-5912.
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- Vn3.** L. Andrei, **F. Ciuprina**, *Influența apei și a solicitărilor termice asupra proprietăților dielectrice ale izolatoarelor din cauciuc siliconic*, Simpozionul de Masini Electrice

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- Vn8.** **F. Ciuprina**, I. Plesa, P.V. Notingher, D. Panaitescu, *Dielectric Response and Mechanical Characteristics of LDPE-Al2O3 Nanocomposites*, Conferinta CEEX 2008, Brasov, 27 - 29 iulie 2008, Editura Tehnica, ISSN 1844-7090, pp. 234/1-234/6, 2008.
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- Vn15.** M. Duna, M. Senchiu, P.V. Noțingher, I.Radu, **F. Ciuprina**, *Influența naturii și concentrației impurităților asupra propagării arborescențelor de apă*, în Simpozionul jubiliar “Electrotehnica ‘96”, secțiunile: Mașini electrice, Acționări și Instalații electrice, Materiale electrotehnice, Bioinginerie, București, pp. 165-171, decembrie **1996**.

V. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE

Pi Contracte internaționale

- Pi1.** Director de proiect – *Analysis the water tree degradation of polyolefin compounds*, **2015-2017**, Finantator: Eifelkabel, Elvetia.
- Pi2.** Director de proiect - *Analysis of the impact of different composition parameters on the water tree degradation of polyethylene compounds by using dielectric spectroscopy and breakdown tests*, **2011-2012**, Finantator: INEOS Olefines & Polymers Europe, Belgia.
- Pi3.** Cercetator - **ECO-NET**, *Estimarea gradului de îmbătrânire și a duratei de viață a izolațiilor din polimeri prin măsurători nedistructive de sarcină spațială*, **2005-2006** Finantator: Ministerul Afacerilor Externe din Franta, Director: Prof.dr.ing. Petru V. Notingher.
- Pi4.** Cercetator - **FP5/IST/Codestar**, *Compact modeling of on-chip passive structures at high frequencies*, **2002-2004**, Finantator: Comisia Europeana, Director: Prof.dr.ing. Daniel Ioan.
- Pi5.** Cercetator - **COPERNICUS/CIPA-CT94-0235**, *Test method of water treeing resistance of polymers*, **1994-1998**, Finantator: Comisia Europeana, Director: Prof.dr.ing. Petru V. Notingher.
- Pi6.** Cercetator - **Reseau formation-recherche**, *Arborescences d'eau dans les polymeres*, **1995-1996**, Finantator: Ministerul Cercetarii si Tehnologiei din Franta, Director: Prof.dr.ing. Petru V. Notingher.

Pn Contracte naționale

Contracte de cercetare elaborate ca director

- Pn1.** Director de proiect - *Nanodielectrici pentru substraturi de antene microstrip pentru mediul subacvatic* - *NaDUMAS*, PN-III-P2-2.1-PED-2019-4687, Nr. 398 PED/2020, **2020-2022**.
- Pn2.** Director de proiect - *Metodologii pentru dezvoltarea si caracterizarea de dielectrici din nanocompozite polimerice cu proprietati electroizolante* - *PoNaDIP*, MEdC-CEEX/234, **2006-2008**.
- Pn3.** Director de proiect - *Caracterizarea și modelarea fenomenelor microscopice din dielectrici*, contract de cercetare UPB-MECT/CNCSIS, nr. ET 03-04-05, Grant A cod 1461/CNCSIS, **2004-2006**.
- Pn4.** Director de proiect - *Influența radiațiilor și a arborescențelor de apă asupra proprietăților polimerilor*, contract de cercetare UPB-MEN, Grant T (Banca Mondială) cod 105/CNCSIS, **2000-2002**.

Contracte de cercetare la care a a participat ca cercetator

- Pn5.** Cercetator - *Testarea sistemelor de izolare ale masinilor electrice de medie si mare putere* - *TIZE*, MEdC-CEEX/271, **2006-2008**, Director: Prof.dr.ing. Petru V. Notingher.
- Pn6.** Cercetator - *Metodologii și instrumente pentru proiectarea nano-electronică automată – nEDA*, MEdC-CEEX, **2005-2008**, Director: Prof.dr.ing. Daniel Ioan.
- Pn7.** Cercetator - *Influența sarcinii spațiale asupra străpunerii dielectricilor*, UPB-MECT/CNCSIS, Grant A, cod 58/CNCSIS, **2003-2005**, Director: Prof.dr.ing. Petru V. Notingher.
- Pn8.** Cercetator - *Studii si experimentari privind aplicarea metodei arborescentelor de apa si a curentilor de absorbtie-resorbtie in investigarea materialelor polimerice*, Contract 1013/1999, UPB-ICPE-ANSTI, Director: Prof.dr.ing. Petru V. Notingher.

- Pn9.** Cercetator - *Experimentari privind influenta campului electric asupra fenomenului de arborescenta de apa in polietilena*”, Contract UPB-ECEE/ICPE 802/1998, Director: Prof.dr.ing. Petru V. Notingher.
- Pn10.** Cercetator - *Studiul cineticii de propagare a arborescentelor de apa in esantioane din PE cu compozitii chimice si structuri diferite*, Contract UPB-ECEE/ICPE 1092/89, 1998, Director: Prof.dr.ing. Petru V. Notingher.
- Pn11.** Cercetator - *Testarea polimerilor pentru cabluri la arborescențe de apă*, Contract UPB-MCT A16/97, 1997, Director: Prof.dr.ing. Petru V. Notingher.
- Pn12.** Cercetator - *Elaborarea unei metode de testare a polimerilor la arborescente de apa*, UPB-MIS 7001/1997, Director: Prof.dr.ing. Petru V. Notingher.
- Pn13.** Cercetator - *Evaluarea stării de îmbătrânire a polimerilor supuși solicitărilor multiple (electrice, termice și ale mediului)*, contract de cercetare UPB – MCT, nr. 863, 1996-1997, Director: Prof.dr.ing. Alfons Ifrim.
- Pn14.** Cercetator - *Studiu privind influența apei saline asupra PEJD utilizată la izolarea cablurilor coaxiale*, contract de cercetare UPB (ECEE) – ICPE, nr. 601, 1996, Director: Prof.dr.ing. Petru V. Notingher.
- Pn15.** Cercetator - *Influenta starii de imbatranire a polimerilor asupra propagarii arborescentelor de apa*, Contract UPB-ECEE/MIS 5001/1996, Director: Prof.dr.ing. Petru V. Notingher.
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