

Lista de lucrări conf. dr. ing. Iosif Vasile Nemoianu

I. TEZA (E) DE DOCTORAT (T)

T1 Teza de doctorat: I.V. Nemoianu – Contribuții la studiul câmpului electromagnetic în traductoare de deplasare – Universitatea "Politehnica" din București, Catedra de Electrotehnică, 133 pagini, 2002. (Conducător științific: Prof. dr. ing. Augustin MORARU)

II. CĂRȚI PUBLICATE (C)

- Ca1** E. Cazacu (coordonator), **I. Nemoianu**, M. Maricaru, F. Enache, M. Stănculescu, A. Stănculescu, A. Anghel – Chestiuni speciale de teoria circuitelor electrice; Elemente de teorie și aplicații, vol. 2, Editura Matrix Rom, 2005, ISBN 973-685-926-6 (Cod CNCISIS Editura 39).
- Ca2** D. O. Micu, D. Toader, E. Cazacu, **I. Nemoianu** – Electrotehnică aplicată, Editura Academiei Oamenilor de Știință din România, București 2011, ISBN 978-606-8371-35-1.
- Ca3** Radu-Mircea Ciuceanu, **Iosif Vasile Nemoianu**, Cleante Petre Mihai – MAȘINI ELECTRICE – fundamente teoretice și funcționale, Editura POLITEHNICA Press, 2020, ISBN 978-606-515-925-9
- Cb1** I. V. Nemoianu – Analiza numerică a traductoarelor inductive de deplasare cu structură spațială repetitivă, Editura Printech, București 2010, ISBN 978-606-521-539-9. (Cod CNCISIS Editura 54).
- Cb2** I. V. Nemoianu – Câmpul electromagnetic (regimurile static și staționar), Editura Matrix Rom, București 2008, ISBN 978-973-755-430-7. (Cod CNCISIS Editura 39)
- Cb3** E. Cazacu, **I. V. Nemoianu** – Dispozitive magnetice speciale; Elemente de teorie și calcul, Editura Matrix Rom, București 2008, ISBN 978-973-775-346-1. (Cod CNCISIS Editura 39)..

III. ALTE MATERIALE PUBLICATE (I,D)

- I1** - L. Ochiană, I. F. Hăntilă, **I. Nemoianu**, A. Anghel – BAZELE ELECTROTEHNICII; Culegere de probleme; Partea I – curent continuu, Editura Printech 2007, ISBN 978-973-718-783-3 (Cod CNCISIS Editura 54).
- I2** - L. Ochiană, I. F. Hăntilă, **I. Nemoianu**, A. Anghel – BAZELE ELECTROTEHNICII; Culegere de probleme; Partea a II-a – curent alternativ, Editura Politehnica Press 2008, ISBN 978-973-7838-99-5 (Cod CNCISIS Editura 19).
- I3** - L. Ochiană, I. F. Hăntilă, **I. Nemoianu** – REGIMURILE CIRCUITELOR ELECTRICE - 720 de aplicații, Editura Printech 2009, ISBN 978-606-521-383-8 (Cod CNCISIS Editura 54).
- I4** - **I. V. Nemoianu**, M. Maricaru, R.M. Ciuceanu – Culegere de probleme rezolvate de câmp electromagnetic, Editura Matrix Rom, București 2018, ISBN 978-606-25-0390-1 (Cod CNCISIS Editura 39).

IV. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R,V)

- Ris1** CLAUDIU TUFAN, MIHAI MARICARU, **IOSIF VASILE NEMOIANU** – PROCEDURES FOR ACCELERATING THE CONVERGENCE OF THE HĂNȚILĂ METHOD FOR SOLVING THREE-PHASE CIRCUITS WITH NONLINEAR ELEMENTS –PART I, tome 67, no. 3, pp. 293 - 300, Bucarest, 2022, ISSN 0035-4066.
- Ris2** **Iosif Vasile Nemoianu**, Cristian George Dragomirescu, Veronica Manescu (Paltanea), Maria-Iuliana Dascalu, Gheorghe Paltanea, Radu Mircea Ciuceanu – Self-Organizing Equilibrium Patterns of Multiple Permanent Magnets Floating Freely under the Action of a Central Attractive Magnetic Force, Symmetry, 2022, 14, 4, 795. <https://doi.org/10.3390/sym14040795>, ISSN: 2073-8994 (WOS:000786961300001).
- Ris3** CLAUDIU TUFAN, **IOSIF VASILE NEMOIANU**, MIHAI MARICARU, MARILENA STĂNCULESCU, MIHAI-EUGEN MARIN – Efficient method of harmonic analysis of three-phase circuits with nonlinear controlled switching elements, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 67, no. 1, pp. 47 - 54, Bucarest, 2022, ISSN 0035-4066 (WOS:000820490200002).
- Ris4** IULIA-CRISTINA STANICA, FLORICA MOLDOVEANU, MARIA-IULIANA DASCALU, **IOSIF VASILE NEMOIANU**, GIOVANNI-PAUL PORTELLI – ADVANTAGES OF TELEMEDICINE IN NEUROREHABILITATION AND QUALITY OF LIFE IMPROVEMENT, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique, Ed. Academiei Române, tome 66, no. 3, pp. 195 - 199, Bucarest, 2021, ISSN 0035-4066 (WOS:000733632300008).

- Ris5** Claudiu Tufan, **Iosif Vasile Nemoianu** – Method for the Analysis of Three-Phase Networks Containing Nonlinear Circuit Elements in View of an Efficient Power Flow Computation, *Electronics*, Volume 10, Issue 21, Article Number 2710, DOI10.3390/electronics10212710, MDPI, eISSN2079-9292, 2021 (WOS:000726595300001).
- Ris6** GHEORGHE PALTANEA, VERONICA MANESCU (PALTANEA), **IOSIF-VASILE NEMOIANU**, HORIA GAVRILA, MARIA-IULIANA DASCALU, VALER TURCIN, COSTEL PAUN – QUASI-STATIONARY MAGNETIC BEHAVIOUR OF IRON NICKEL BASED ALLOYS MACHINED THROUGH MECHANICAL CUTTING, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 65, no. 3-4, pp. 153 - 156, Bucarest, 2020, ISSN 0035-4066 (WOS:000608261900001).
- Ris7** Gheorghe Paltanea, Veronica Manescu (Paltanea), Radu Stefanoiu, **Iosif Vasile Nemoianu**, Horia Gavrilă – Correlation between Magnetic Properties and Chemical Composition of Non-Oriented Electrical Steels Cut through Different Technologies, *Materials*, Volume 13, Issue 6, 2020, ISSN (electronic) 1996-1944, doi:10.3390/ma13061455, Article Number: 1455 (WOS: 000529208000194).
- Ris8** Veronica Manescu (Paltanea), Gh. Paltanea, **I. V. Nemoianu**, H. Gavrilă – DYNAMIC PREISACH MODEL USED FOR ESTIMATION OF SILICON IRON ALLOY HYSTERESIS CYCLE, *UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS*, Series A, Vol. 81, Iss. 4, 2019, ISSN: 1223-7027, pp. 237 - 248 (WOS:000501894000023).
- Ris9** Veronica Manescu (Paltanea), Gh. Paltanea, E. Ferrara, **I. V. Nemoianu**, F. Fiorillo, H. Gavrilă – Influence of Mechanical and Water-Jet Cutting on the Dynamic Magnetic Properties of NO Fe-Si Steels, *Journal of Magnetism and Magnetic Materials*, Volume 499, 1 April 2020, 166257, DOI: 10.1016/j.jmmm.2019.166257, ISSN: 0304-8853, Article Number: 166257, eISSN: 1873-4766 (WOS:000510014100038).
- Ris10** **IOSIF VASILE NEMOIANU**, MARIA IULIANA DASCALU, VERONICA MANESCU (PALTANEA), GHEORGHE PALTANEA, ALEXANDRU RADULIAN – DETAILED EVALUATION FOR THE POWER FLOW EFFECTS OF NONLINEAR CIRCUIT ELEMENTS IN THREE-PHASE NETWORKS WITHOUT NEUTRAL, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 64, no. 3, pp. 195–198 Bucarest, 2019, ISSN 0035-4066 (WOS: 000494891100002).
- Ris11** GHEORGHE PALTANEA, VERONICA MANESCU (PALTANEA), HORIA GAVRILA, **IOSIF VASILE NEMOIANU**, PAUL CRISTIAN ANDREI, RADU MIRCEA CIUCEANU – Application of orientation distribution functions’ theory in the case of grain-oriented steels cut through classical and non-conventional technologies, *International Journal of Applied Electromagnetics and Mechanics*, Volume 61, pp. S131-S139 Supplement: 1, 2019, ISSN 1383-5416 (Print), eISSN: 1875-8800 (Online) (DOI: 10.3233/JAE-198976) (WOS:000477737700017).
- Ris12** Iulia Cristina-Stanica, Alin Moldoveanu, Maria-Iuliana Dascalu, Florica Moldoveanu, Mireille Radoi, **Iosif Vasile Nemoianu** – Emergent technologies to enrich reading outcomes through augmented reality, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 64, no. 1, pp. 95-100, Bucarest, 2019, ISSN 0035-4066 (WOS:000464302300016).
- Ris13** VERONICA MANESCU (PALTANEA), GHEORGHE PALTANEA, **IOSIF VASILE NEMOIANU**, DORINA POPOVICI, RADU MIRCEA CIUCEANU – Electrical Characterization of Titanium Dioxide Nanotubes Using Dielectric and Electrochemical Impedance Spectroscopy, *Revista de Chimie*, vol. 69, issue 12, pp. 3495-3499, 2018, ISSN: 0034-7752 (WOS:000458533800033). "
- Ris14** Radu-Ioan Mogoș, Constanța-Nicoleta Bodea, Maria-Iuliana Dascălu, Olga Safonkina, Elisabeth Lazarou, Elena-Laura Trifan, **Iosif Vasile Nemoianu** – TECHNOLOGY ENHANCED LEARNING FOR INDUSTRY 4.0 ENGINEERING EDUCATION, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 63, no. 4, pp. 429-435, Bucarest, 2018, ISSN 0035-4066 (WOS:000459843500013).
- Ris15** Veronica Manescu-Paltanea, Gheorghe Paltanea, **Iosif Vasile Nemoianu** – Degradation of Static and Dynamic Magnetic Properties of Non-Oriented Steel Sheets by Cutting, *IEEE TRANSACTIONS ON MAGNETICS*, VOL. 54, NO. 11, Article Sequence Number: 2001705, 2018, ISSN: 0018-9464, eISSN: 1941-0069 (DOI: 10.1109/TMAG.2018.2834375, WOS: 000447832100014).
- Ris16** R.M. Ciuceanu, **I. V. Nemoianu**, Veronica Mănescu (Păltânea), G. Păltânea – On Professor Țugulea’s visionary power theory: a review, recent advances and perspectives, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 63, no. 2, pp. 123-127, Bucarest, 2018, ISSN 0035-4066 (WOS:000438662400002).
- Ris17** **I. V. Nemoianu**, Veronica Mănescu (Păltânea), G. Păltânea, R.M. Ciuceanu – ASSESSMENT OF TILT ANGLE MEASUREMENT BASED ON A DIAMAGNETICALLY STABILIZED ALL

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- Ris18** I. V. Nemoianu, Veronica Mănescu (Păltânea), G. Păltânea – Inclination sensing capabilities of a symmetrical permanent magnet levitation setup with electromagnets and diamagnetic stabilization, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 62, no. 2, pp. 123-128, Bucarest, 2017, ISSN 0035-4066 (WOS:000405648900001).
- Ris19** Al. Radulian, M. Maricaru, I. V. Nemoianu, R. Cretu – New solution of dc linear actuator with additional permanent magnets: working principle, design and testing, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 61, no. 1, pp. 3-7, Bucarest, 2017, ISSN 0035-4066 (WOS:000311793000013).
- Ris20** I. V. Nemoianu, R. M. Ciuceanu – Aspects of active and reactive powers conservation in three-phase circuits with zero impedance neutral and two nonlinear unbalanced loads, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 61, no. 4, pp. 349-354, Bucarest, 2016, ISSN 0035-4066 (WOS:000392357000007).
- Ris21** I. V. Nemoianu, R. M. Ciuceanu – Characterization of non-linear three-phase unbalanced circuits powers flow supplied with symmetrical voltages, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 60, no. 4, pp. 355-365, Bucarest, 2015, ISSN 0035-4066 (WOS: 000365935800002).
- Ris22** I. V. Nemoianu, R. M. Ciuceanu – Non-symmetry and residual active and reactive powers flow in non-linear three-phase unbalanced circuits, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 60, no. 3, pp. 227-237, Bucarest, 2015, ISSN 0035-4066 (WOS:000359683100002).
- Ris23** I. V. Nemoianu – Study of the voltage frequency doubler with nonlinear iron core magnetic characteristic, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 60, no. 2, pp. 123-132, Bucarest, 2015, ISSN 0035-4066 (WOS:000355067400002).
- Ris24** I. V. Nemoianu, E. Cazacu – Quasi-vertical permanent magnet levitation – analytical model and characterization, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 59, no. 1, pp. 13-24, Bucarest, 2014, ISSN 0035-4066 (WOS: 000333440000002).
- Ris25** E. Cazacu, I. V. Nemoianu – Transient state characterization of electronic circuitry small power transformers, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 58, no. 4, pp. 385–394, Bucarest, 2013, ISSN 0035-4066 (WOS:000329262100006).
- Ris26** E. Cazacu, V. Năvrăpescu, I. V. Nemoianu – On-site efficiency evaluation for in-service induction motors, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 58, no. 1, pp. 63–72, Bucarest, 2013, ISSN 0035-4066 (WOS: 000319367500007).
- Ris27** G. Küstler, I. V. Nemoianu, E. Cazacu – Theoretical and Experimental Investigation of Multiple Horizontal Diamagnetically Stabilized Levitation With Permanent Magnets, *IEEE TRANSACTIONS ON MAGNETICS*, VOL. 48, NO. 12, pp. 4793-4801, 2012, ISSN: 0018-9464 (DOI: 10.1109/TMAG.2012.2204273, WOS: 000311793000013).
- Ris28** I. V. Nemoianu, E. Cazacu – Constriction resistance of a cylindrically-shaped conductor of two cross-sectional areas, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 57, no. 3, pp. 239-248, Bucarest, 2012, ISSN 0035-4066 (WOS: 000308572200002).
- Ris29** E. Cazacu, I. V. Nemoianu – Peak inrush currents for multiple-step capacitor banks in automatic power factor correction, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 57, no. 4, pp. 341–350, Bucarest, 2012, ISSN 0035-4066 (WOS: 000313936100002).
- Ris30** I. V. Nemoianu, G. Küstler, E. Cazacu – Study of diamagnetically stabilized non-vertical levitation using the magnetic charge equivalence, *International Journal of Applied Electromagnetics and Mechanics*, Volume 38, Number 2-3 / 2012, pp. 101-115, ISSN 1383-5416 (Print), 1875-8800 (Online) (DOI: 10.3233/JAE-2012-1412) (WOS: 000302344400004).
- Ris31** E. Cazacu, I. V. Nemoianu – Comparative study of vertical and horizontal permanent magnet levitation settings with diamagnetic stabilizers, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 56, no. 3, pp. 249–256, Bucarest, 2011, ISSN 0035-4066 (WOS: 000298453900001).

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- Ris33** G. Păltânea, V. Păltânea, **I. V. Nemoianu** – Magnetic properties of non-oriented silicon iron sheets in the case of external applied thermal treatments, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 55, no. 4, pp. 357–364, Bucarest, 2010, ISSN 0035-4066 (WOS: 000286710100003).
- Ris34** E. Cazacu, **I. V. Nemoianu** – A novel configuration for static permanent magnet levitation, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 55, no. 2, pp. 153–160, Bucarest, 2010, ISSN 0035-4066 (WOS: 000279820000006).
- Ris35** **I. V. Nemoianu**, E. Cazacu – Study of a disc-shaped earth electrode injecting current into an inhomogeneous soil, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 55, no. 1, pp. 23–31, Bucarest, 2010, ISSN 0035-4066 (WOS: 000277006700003).
- Ris36** A. Țugulea, **I. V. Nemoianu** – Time-harmonic electromagnetic field diffusion into an exponentially decreasing conductivity half-space, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 54, no. 1, pp. 21–27, Bucarest, 2009, ISSN 0035-4066 WOS: 000264503000002).
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- Ris38** E. Cazacu, **I. V. Nemoianu** – Estimation of the influence terms involved in static diamagnetic levitation, *Revue Roumaine des Sciences Techniques – Série Electrotechnique et Energétique*, Ed. Academiei Române, tome 52, no. 3, pp. 283-290, Bucarest, 2007, ISSN 0035-4066 (WOS: 000255783700002).
- Ris39** Gheorghie Paltanea, Veronica Manescu Paltanea, **Iosif Vasile Nemoianu**, Horia Gavrila – Non-Oriented Silicon Iron Alloys Used in Efficient Electrical Motor Production, *Key Engineering Materials IX, 9th International Conference on Key Engineering Materials (9th ICKEM 2019)*, Vol. 821, Oxford University, the United Kingdom on Mar. 29 - Apr. 1, 2019, ISBN-13: 978-3-0357-1480-7, pp. 229-236 (<https://doi.org/10.4028/www.scientific.net/KEM.821.229>, indexări BDI: Scopus, Ei Compendex, ProQuest, EBSCOhost Research Databases, Index Copernicus Journals Master List, ProQuest).
- Ris40** **I. V. Nemoianu**, E. Cazacu – Particle swarm optimization algorithm for diamagnetically stabilized horizontal permanent magnet levitation, *Scientific Bulletin of Electrical Engineering Faculty*, Nr. 2, 2013, pp. 31– 35, ISSN 1843-6188. (categoria B +, cod CNCISIS 830, indexări BDI: Google Scholar/Academic, Index Copernicus, <http://jml2012.indexcopernicus.com/The+Scientific+Bulletin+of+Electrical+Engineering+Faculty,p1823,3.html>)."
- Ris41** E. Cazacu, M. Stănculescu, **I. V. Nemoianu** – Power Substation Energy Efficiency Analysis – A Case Study, *Journal of Electrical and Electronics Engineering*, University of Oradea Publisher, Vol. 4, Nr. 1, 2011, pp. 23–28, ISSN: 1844- 6035, ISSN (electronic): 2067-2128. (categoria B +, cod CNCISIS 682, indexări BDI: SCOPUS, WorldCat - Unique Identifier: 740857798, EBSCO HOST Connection – Accession #: 64494169)
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- Ris43** E. Cazacu, **I. V. Nemoianu**, S. Cosmescu – Low Voltage Power Quality at the Level of Harmonics Analysis – An Educational Perspective, *EEA - Electrotehnică, Electronică, Automatică*, Vol. 59, Nr. 1, 2011, pp. 31–36, ISSN: 1582-5175. (categoria B +, cod CNCISIS 465, indexări BDI: Index Copernicus, Ulrich’s Periodicals Directory <http://jml2012.indexcopernicus.com/EEA++Electrotehnica+Electronica+Automatica,p5782,3.html>).
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VI. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P,F)

- Pn1** Grant de cercetare tip CNCSIS AT nr. 184/2004 intitulat "Cuplaje electromagnetice între componentele microsistemelor electronice și mecanice" (grantul a continuat cu o nouă fază în anul 2005, obținută în urma competiției desfășurate pentru continuarea finanțării)- director de proiect.
- Pn2** Contract de cercetare tip PNCDI 12 Program 4 Parteneriate nr. 31-096/ 2007 intitulat "Cercetări interdisciplinare privind valorificarea energetică a subproduselor din industria laptelui" (<http://www.icpe.ro/ro/d/54/p/cons> , responsabil de proiect partener-3 UPB-CCSAE conf. dr. ing. Cleante Petre Mihai)

- Pn3** Grant de cercetare tip CNCSIS AT nr. 13/2007 intitulat "Microsisteme de levitație electromagnetică bazate pe utilizarea materialelor diamagnetice" (<http://194.102.64.7/GranturiFinalizate/faces/Projects/ProjectsList.jsp>, Cod 13, director de proiect ș.l. dr. ing. Emil Cazacu)
- Pn4** Grant de cercetare tip AMCSIT INOVARE nr. 129/2007 intitulat "Echipament 90 kVA de acționare a motoarelor electrice de 400 Hz ale avionului" (http://www.amcsit.ro/amcsit.old/amcsit_catalog/129.pdf, director de proiect conf. dr. ing. Gelu Ionescu).
- Pn5** Grant de cercetare tip AMCSIT CEEEX nr. 136/2006 intitulat "Creșterea eficienței timp, cost și ecologizare în serviciile tehnice ale aeronavelor; aprofundarea și demonstrarea rezultatelor prin realizarea de noi surse de putere, statice, pentru pornire și sursă programabilă, cu pas 1 Hz, de distorsiuni 0,3 %, pentru verificarea aparatului de bord la 400 Hz" (<http://www.electro.pub.ro/wp-content/uploads/2012/03/contracte-CMIM.doc> , nr. crt. 13, responsabil UPB Electrotehnică conf. dr. ing. Gelu Ionescu).
- Pn6** Grant de cercetare tip CNCSIS A nr. 51/2003 intitulat "Câmpul electromagnetic și forțele în structuri cu magneți permanenți" (http://vechi.cnscis.ro/index_afisare_2006.php?id=127#, director de proiect prof. dr. ing. Fănică Spinei).
- Pn7** Grant de cercetare tip CNCSIS nr. 629/2001 intitulat "Câmpul electromagnetic și termic în cuptoarele de microunde (faza I a grantului Algoritm de analiză a câmpului electromagnetic în cuptoarele de microunde)", responsabil prof. dr. ing. Fănică Spinei.
- Pn8** Grant de cercetare beneficiar ANSTI Contract nr. 504/2000 (Program ORIZONT 2000) intitulat "Aplicatoare cu performanțe îmbunătățite utilizate în instalații cu microunde" (faza a II-a a contractului "Analiza câmpului electromagnetic din cavitatea cuptorului prin metoda elementului de frontieră"), responsabil prof. dr. ing. Florea Hăntilă.
- Pn9** Grant de cercetare tip PTE nr. 30/2016 "Termoscuten pentru detecția și localizarea cancerului de sân - TERMOSCAN", coordonator UPB prof. dr. ing. Florea Ioan Hăntilă (PN-III-P2-2.1-PTE-2016-0029).
- Pn10** Grant de cercetare tip "Excellence Research Grants" Program, UPB-GEX 2017, intitulat "ANIZOTROPIE OȚEL ELECTROTEHNIC", Identificator: UPB-GEX2017, Ctr. No. 02/25.09.2017 (ANIZ-GO), director ș.l. dr. ing. Gheorghe PĂLTÂNEA.
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- Pn12** Grant de cercetare tip "Cecuri de inovare", intitulat "OPTIMIZAREA GEOMETRIEI UNUI GENERATOR ELECTRIC ÎN VEDEREA CREȘTERII EFICIENȚEI ENERGETICE", nr. de identificare: PN-III-P2-2.1-CI-2018-1343, responsabil UPB ș.l. dr. ing. Marilena Stănculescu.