

Lista lucrărilor publicate

A. Lucrări selectate

1. **Iordana AȘTEFĂNOAEI**, Alexandru STANCU, “Heat transfer computations in an intravascular tumoral region for magnetic hyperthermia, **European Physical Journal Plus**, 137(12), (2022).
2. **Iordana AȘTEFĂNOAEI**, Alexandru STANCU, “Optimal control of the hyperthermic thermal damage within intravascular tumoral regions“, **Journal of Magnetism and Magnetic Materials** 537, 168221, (2021).
3. **Iordana AȘTEFĂNOAEI**, Alexandru STANCU, “Thermo-fluid porosity-related effects in the magnetic hyperthermia“, **European Physical Journal Plus**, 136(12), (2021).
4. **Iordana AȘTEFĂNOAEI**, Alexandru STANCU, “A computational study of the bioheat transfer in magnetic hyperthermia cancer therapy“, **Journal of Applied Physics**, 125(19), pp. 194701, (2019).
5. **Iordana AȘTEFĂNOAEI**, Alexandru STANCU, “Advanced thermo-mechanical analysis in the magnetic hyperthermia“, **Journal of Applied Physics**, 122(16), 164701 (2017).
6. **Iordana AȘTEFĂNOAEI**, Alexandru STANCU, Horia CHIRIAC, “Thermal performance of Fe-Cr-Nb-B systems in magnetic hyperthermia“, **Journal of Applied Physics**, 121(10), pp. 104701, (2017).
7. M. PINTO, M. PIMPINELLA, M. QUINI, M D’ARIENZO, I. AȘTEFĂNOAEI, S. LORETI, A.S. GUERRA, “A graphite calorimeter for absolute measurements of absorbed dose to water: application in medium-energy x-ray filtered beams“, **Physics in medicine and biology**, 61(4), pp. 1738, (2016).
8. **Iordana AȘTEFĂNOAEI**, Horia CHIRIAC, Alexandru STANCU, “Investigation of the temperature field in the magnetic hyperthermia using FeCrNbB magnetic particles“, **The European Physical Journal Plus**, 131(9), pp.322, (2016).
9. **Iordana AȘTEFĂNOAEI**, D. RADU, H. CHIRIAC, “Internal stress distribution in DC joule-heated amorphous glass-covered microwires“, **J. Phys: Condens. Matter**, 18(9), pp. 2689-2716, (2006).
10. **Iordana AȘTEFĂNOAEI**, D. RADU, H. CHIRIAC, “On DC Joule-Heating Effects in the Amorphous Glass-Covered Fe_{77.5}Si_{7.5}B₁₅ Microwires“, **Journal of Physics D: Applied Physics**, 38(2), pp 235-248, (2005).

B. Teza de doctorat

Titlul: Proprietăți globale ale unor structuri spațio – temporale algebric special obținute ca soluții exacte ale ecuațiilor Einstein, Iași, 2000.

C. Cărți și Capitole în Cărți

Capitole de cărți:

[1]. **Iordana Astefanoaei**, Alexandru Stancu, Modeling of the Temperature Field in the Magnetic Hyperthermia (book chapter) **in cartea: Numerical Simulations in Engineering and Science**, IntechOpen,(2018), [DOI: 10.5772/68125](https://doi.org/10.5772/68125), ISBN: 978-1-78923-451-0, Print ISBN: 978-1-78923-450-3, Indexed Web of Science (Book citation index).

https://www.researchgate.net/profile/Iordana_Astefanoaei/publications.

Cărți:

[1]. Daniel Radu, **Iordana Aștefănoaei**, Notiuni fundamentale si probleme de mecanică analitică, Editura SEDCOM LIBRIS (2005), **(510 pagini)**, ISBN 973-670-127-1.

[2]. Daniel Radu, **Iordana Astefanoaei**, Ioan Merches, **Culegere de probleme de electrodinamică**, Editura ȘTEF (2009), **(400 pagini)**, ISBN 978-973-1809-49-6.

[3]. **Iordana Aștefănoaei**, Ciprian Dariescu, Marina-Aura Dariescu, **Modele speciale de Univers și patologii spațio-temporale**,(2007); Editura Universității Alexandru Ioan Cuza din Iași, **(235 pagini)**, ISBN 978-973-703-205-8.

D. Lucrări în extenso publicate în reviste ISI

1. Horia CHIRIAC, **Iordana AȘTEFĂNOAEI**, “A Model of the DC Joule Heating in Amorphous Wires“ **Phys. Stat. Sol. A**, 153(1), pp. 183-189, **(1996)**.

2. **Iordana AȘTEFĂNOAEI**, D. RADU, H. CHIRIAC, “On DC Joule-Heating Effects in the Amorphous Glass-Covered $\text{Fe}_{77.5}\text{Si}_{7.5}\text{B}_{15}$ Microwires“, **Journal of Physics D: Applied Physics**, 38(2), pp 235-248, **(2005)**.

3. **Iordana AȘTEFĂNOAEI**, D. RADU, H. CHIRIAC, “Temperature Distributions in DC Joule-

Heated Amorphous Magnetic Materials“, **Journal of Optoelectronics and Advanced Materials**, 7(2), pp.933-950, (2005).

4. **Iordana AȘTEFĂNOAEI**, D. RADU, H. CHIRIAC „Temperature Distributions in DC Joule-Heated Amorphous Ribbons”, **Phys. Stat. Sol. A**, 202(13), pp. 2419-2435, (2005).
5. **Iordana AȘTEFĂNOAEI**, D. RADU, H. CHIRIAC, “Internal stress distribution in DC joule-heated amorphous glass-covered microwires”, **J. Phys: Condens. Matter**, 18(9), pp. 2689-2716, (2006).
6. **Iordana AȘTEFĂNOAEI**, D. RADU, H. CHIRIAC „The supplementary compression stresses in Fe-B-Si wires”, **Journal of Optoelectronics and Advanced Materials**, 8(5), pp. 1736-1741, (2006).
7. **Iordana AȘTEFĂNOAEI**, D. RADU, H. CHIRIAC, „Induced residual stresses in the preparation process of the glass-covered amorphous magnetic microwires”, **Journal of Optoelectronics and Advanced Materials**, 8(3), pp. 978-983, (2006).
8. **Iordana AȘTEFĂNOAEI**, D. RADU, “Distribution of the Internal Stresses in DC Joule Heated $\text{Fe}_{77.5}\text{B}_{15}\text{Si}_{7.5}$ Conventional Amorphous Microwires”, **Journal of Physics D: Applied Physics**, 39(18), pp. 3921–3931, (2006).
9. **Iordana AȘTEFĂNOAEI**, D. RADU, H. CHIRIAC, “The residual stresses of FeBSi – type in an ingot mould“, **Journal of Optoelectronics and Advanced Materials**, 8(5), pp. 1731-1736, (2006).
10. **Iordana AȘTEFĂNOAEI**, Ioan DUMITRU, Raimond GRIMBERG, Alexandru STANCU, “The energetic states of quantum dots in the presence of a metallic layer“, **Journal of Magnetism and Magnetic Materials**, 316(2) pp. e273-e275, (2007).
11. **Iordana AȘTEFĂNOAEI**, Alexandru STANCU, Horia CHIRIAC, “The effect of dc Joule-heating structure of conventional amorphous wires“, **Journal of Magnetism and Magnetic Materials**, 316(2), pp. e276 – e279, (2007).
12. **Iordana AȘTEFĂNOAEI**, Alexandru STANCU, Horia CHIRIAC, “Magnetic domains structure of dc Joule-heated conventional amorphous“, **Sensor Letters**, 5(1), pp.19-22, (2007).

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14. **Iordana AȘTEFĂNOAEI**, H. CHIRIAC, A. STANCU, “The internal thermal stresses during the cooling process of a nanowire from alumina membrane“, **Journal of optoelectronics and advances materials**, 10(7), pp.1763 – 1766, (2008).
15. Ioan DUMITRU, **Iordana AȘTEFĂNOAEI**, Raimond GRIMBERG, Alexandru STANCU, “The energy states of cylindrical quantum dot systems“, **Journal of optoelectronics and advances materials**, 10(2), pp. 327 - 330, (2008).
16. **Iordana AȘTEFĂNOAEI**, Horia CHIRIAC, Alexandru STANCU, “Magnetic domains structure in DC Joule-heated amorphous glass-covered magnetic wires“, **Journal of optoelectronics and advances materials**, 10(2), pp. 260 - 263, (2008).
17. **Iordana AȘTEFĂNOAEI**, Ioan DUMITRU, Andrei DIACONU, Leonard SPINU, Alexandru STANCU, “The temperature dependence of hysteretic processes in Co nanowires arrays“, **Journal of Applied Physics**, 103(7), pp.07D930, (2008).
18. Ioan DUMITRU, **Iordana AȘTEFĂNOAEI**, Alexandru STANCU, “The energy eigenstates of two quantum dots systems placed at the air-semiconductor interface“, **Journal of optoelectronics and advances materials**, 11(5), pp. 542-546, (2009).
19. Veronica GOIAN, Ioan DUMITRU, **Iordana AȘTEFĂNOAEI**, “The effect of temperature on magnetostatic interactions in nanowire systems“, **Journal of optoelectronics and advances materials**, 11(5), pp. 542-546, (2009).
20. Daniel RADU, Antonio Stefano GUERRA, Cristina IONITĂ, **Iordana AȘTEFĂNOAEI**, “Heat loss through connecting thermistor wires in a three-body graphite calorimeter“, **Metrologia** , 47(3), pp.179, (2010).
21. Cristina IONITĂ, Daniel RADU, **Iordana AȘTEFĂNOAEI**, “Radiative Heat Loss Correction for 3-Body Graphite Calorimeters“, **Acta Physica Polonica A**, 118(4), (2010).
22. Marina-Aura DĂRIESCU, Ovidiu BUHUCIANU, **Iordana AȘTEFĂNOAEI**, “Chiral electrons in static fields at finite temperature“, **Romanian Journal in Physics**, 56(9-10), pp1043-1052, (2011).

23. **Iordana AȘTEFĂNOAEI**, Ioan DUMITRU, Alexandru STANCU, “Induced Thermal Stresses in Core Shell Magnetic Particles“, **IEEE Trans. Magnetism**, 47(10), pp 3829 - 3832, (2011).

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25. **Iordana AȘTEFĂNOAEI**, Ioan DUMITRU, Alexandru STANCU, “Size-dependent thermal stresses in the core-shell nanoparticles“, **Chinese Physics B**, 22(12), pp. 128102, (2013).

26. Ioan DUMITRU, **Iordana AȘTEFĂNOAEI**, Alexandru STANCU, “Thermal stress dependence of magnetic hysteretic processes in core-shell nanoparticles“, **Materials Science and Engineering B**, 178(19), pp. 1323-1328, (2013).

27. Cristina IONITĂ, Daniel RADU, **Iordana AȘTEFĂNOAEI**, “3D- modeling of temperature gradients induced by electrical power dissipation in a 3-body Domen-type calorimeter for absorbed dose measurements“, **Materials Science and Engineering B** 178(19), pp.1275-1284, (2013).

28. **Iordana AȘTEFĂNOAEI**, Ioan DUMITRU, Alexandru STANCU, Horia CHIRIAC, “A thermo-fluid analysis in magnetic hyperthermia“, **Chinese Physics B**, 23(4), pp.044401, (2014).

29. **Iordana AȘTEFĂNOAEI**, Ioan DUMITRU, Alexandru STANCU , Horia CHIRIAC, “Controlling Temperature in Magnetic Hyperthermia with low Curie Temperature Particles“, **Journal of Applied Physics**, 115(17), pp. 17B531, (2014).

30. **Iordana AȘTEFĂNOAEI**, Ioan DUMITRU, Alexandru STANCU , Horia CHIRIAC, “Use of the Fe–Cr–Nb–B systems with low curie temperature as mediators in magnetic hyperthermia“, **IEEE Transactions on Magnetism**, 50(11), pp.1-4, (2014).

31. Ioan DUMITRU, **Iordana AȘTEFĂNOAEI**, Dorin CIMPOEȘU, Alexandru STANCU, “Magnetic behavior of Joule-heated magnetic core–shell nanowires with positive magnetostrictive core material“, **Applied Surface Science**, 352(54-59), (2015).

32. M. PINTO, M. PIMPINELLA, M. QUINI, M D'ARIENZO, I. AȘTEFĂNOAEI, S. LORETI, A.S. GUERRA, "A graphite calorimeter for absolute measurements of absorbed dose to water: application in medium-energy x-ray filtered beams", **Physics in medicine and biology**, 61(4), pp. 1738, (2016).

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34. Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Horia CHIRIAC, Alexandru STANCU, "Thermofluid Analysis in Magnetic Hyperthermia Using Low Curie Temperature Particles", **IEEE Transactions on Magnetics**, 52(7), pp.1-4, (2016).

35. Iordana AȘTEFĂNOAEI, Alexandru STANCU, Horia CHIRIAC, "Thermal performance of Fe-Cr-Nb-B systems in magnetic hyperthermia", **Journal of Applied Physics**, 121(10), pp. 104701, (2017).

36. Iordana AȘTEFĂNOAEI, Alexandru STANCU, Horia CHIRIAC, "Numerical simulation of the temperature field in magnetic hyperthermia with Fe-Cr-Nb-B magnetic particles", **The European Physical Journal Plus**, 132(2), pp. 89, (2017).

37. Iordana AȘTEFĂNOAEI, Alexandru STANCU, "Advanced thermo-mechanical analysis in the magnetic hyperthermia", **Journal of Applied Physics**, 122(16), 164701 (2017).

38. Iordana AȘTEFĂNOAEI, Alexandru STANCU, "A computational study of the bioheat transfer in magnetic hyperthermia cancer therapy ", **Journal of Applied Physics**, 125(19), pp. 194701, (2019).

39. Iordana Astefanoaei, Radel Gimaev, Vladimir I. Zverev, Alexandru Stancu, "Modelling of working parameters of Gd and FeRh nanoparticles for magnetic hyperthermia", (November 2019), **Materials Research Express**, vol 6(12), 5089, DOI: [10.1088/2053-1591/ab5c4a](https://doi.org/10.1088/2053-1591/ab5c4a).

40. Iordana AȘTEFĂNOAEI, Alexandru STANCU, "Optimal control of the hyperthermic thermal damage within intravascular tumoral regions", **Journal of Magnetism and Magnetic Materials** 537, 168221, (2021).

41. Iordana AȘTEFĂNOAEI, Alexandru STANCU, "Thermo-fluid porosity-related effects in the magnetic hyperthermia", **European Physical Journal Plus**, 136(12), (2021).

42. **Iordana AȘTEFĂNOAEI**, Alexandru STANCU, “Heat transfer computations in an intravascular tumoral region for magnetic hyperthermia, **European Physical Journal Plus**, 137(12), (2022).
43. Helmina Ardeleanu, Gabriel Ababei, Marian Grigoras, Laura Ursu, Nicoleta Melniciuc-Puica, **Iordana Astefanoaei**, Daniela Pricop, Nicoleta Lupu, Dorina Creanga, Cobalt Ferrite Nanoparticles Capped with Perchloric Acid for Life-Science Application, **Cristals**, 13(7), 1058 (2023).
44. **Iordana Astefanoaei**, Radel Gimaev, Vladimir Zverev, Alexander Tishin, Alexandru Stancu, “Cubic and sphere magnetic nanoparticles for magnetic hyperthermia therapy: computational results“, **Nanomaterials**, 13(16), 2383, (2023).
45. Mourad Smari, Monica Viorica Moisiuc, Mohammad Y Al-Haik, **Iordana Astefanoaei**, Alexandru Stancu, Fedor Shelkovyi, Radel Gimaev, Julia Piashova, Vladimir Zverev, Yousef Haik, “Tunable Magnetic Heating in $\text{La}_{0.51}\text{Sr}_{0.49}\text{MnO}_3$ and $\text{La}_{0.51}\text{Dy}_{0.045}\text{Sr}_{0.445}\text{MnO}_3$ Nanoparticles: Frequency- and Amplitude-Dependent Behavior“, **Nanomaterials**, 15(9) 642 (2025).
46. Viorica Monica Moisiuc, **Iordana Astefanoaei**, Alexandru Stancu, “Magnetic nanoparticles clustering effects on the temperature field in magnetic hyperthermia“, **AIP Advances**, 16(2), (2026).

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ISI – Conference Proceeding

1. **Iordana Astefanoaei**, Alexandru Stancu, Horia Chiriac, Ioan Dumitru, Monitoring the thermal effects in the magnetic hyperthermia, **IEEE-2013 E-HEALTH AND BIOENGINEERING CONFERENCE (EHB)**, 2013 .
2. M. Pinto, M. Pimpinella, A.S. Guerra, **I. Aștefănoaei**, M.Quini, M.P. Toni, “Development of a new in-water-phantom graphite calorimeter for the measurement of absorbed dose to water in medium energy x-ray beams“, **16th International Congress of Metrology, 05009, (2013) – EDP Sciences- Web of Conferences** (indexat <https://www.webofconferences.org/organizers>), <http://cfmetrologie.edpsciences> .or <http://dx.doi.org/10.1051/metrology/201305009>.
3. **Iordana Astefanoaei**, Alexandru Stancu, A temperature analysis in magnetic hyperthermia, **AIP CONF PROC - TIM17 Physics Conference**, 1916 (1), 040009, (2017.)

4. **Iordana Astefanoaei**, Alexandru Stancu, Horia Chiriac, Magnetic hyperthermia with Fe-Cr-Nb-B magnetic particles, **AIP CONF PROC - TIM15-16 Physics Conference**, 1796 (1), 040006.
5. **Iordana Astefanoaei**, Alexandru Stancu, Magnetic Nanoparticle Dosimetry in Hyperthermia Therapy, **AIP CONF PROC - TIM19 Physics Conference**, 2019.
6. **Iordana AȘTEFĂNOAEI**, Alexandru STANCU, Magnetic Hyperthermia with biocompatible coated nanoparticles: A temperature analysis, presented at International Conference on Electromagnetic Fields, Signal and Biomedical Engineering (ICEMS - BIOMED) and published in IOP Conference Series: Materials Science and Engineering indexed Clarivate, ISI Web of Science, (2022).

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1. Samir Taloub, Farida Hobar, **Iordana Aștefănoaei**, Ioan Dumitru, Ovidiu Florin Căltun, FEM Investigation, of Coated Magnetic Nanoparticles for Hyperthermia, **Nanoscience and Nanotechnology**, 6(1A), 55-61, (2016).
2. **Iordana Aștefănoaei**, Ioan Dumitru, Alexandru Stancu, Laser Heating of Core-Shell Nanowires, **Annals of West University of Timișoara**, 59(1), 2-12, (2016).
3. Anamaria Doaga, Cristin Constantin, Alina Cojocaru, **Iordana Aștefănoaei**, Ioan Dumitru, Ovidiu Caltun, Phenomenological study of thermal field generated by nanoparticles arrays in hyperthermia as treatment method, **Journal of Advanced Research in Physics** (2011), 2(1), 11110.
4. **Aștefănoaei Iordana**, Maftei Gheorghe, The behaviour of a test particle on a planar space-time structure, **Algebras Groups and Geometry(USA)**, 17(3), (2000).
5. **Aștefănoaei Iordana**, Maftei Gheorghe, On global properties of a cylindrical space-time structure, **Analele Universității de Vest, Timișoara**, 41, 11, (2000).
6. **Aștefănoaei Iordana**, Maftei Gheorghe, The primordial gravitational waves with cylindrical symmetries, **Romanian Astronomical Journal**, 8(2), 81 – 89, (1998).
7. **Aștefănoaei Iordana**, Maftei Gheorghe, Exact solutions for Einstein-Rosen Universe, **Romanian Astronomical Journal**, 1(9), 3-9, (1999).
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11. Dariescu Marina – Aura, Dariescu Ciprian, **Aștefănoaei Iordana**, The globally pathologic properties of an exact class of solutions with “ $g_{44} = -\cos^2(\alpha z)$ ”, **Analele Universității din Timișoara**, Seria Științele Fizice, 39 (48), (1999).
12. **Aștefănoaei Iordana**, Dariescu Ciprian, Dariescu Marina – Aura, The large scale pathology in an exact class of solutions with $\cosh(\alpha z)$, **Algebras Groups and Geometry**, 16(1), 63-72 Palm Harbor, FL 34682, Hadronic Press Inc.(U.S.A), (1999).
13. **Aștefănoaei Iordana**, Maței Gheorghe, On the solutions with cylindrical symmetries of the algebraic class N, **Analele Universității de Vest**, Timișoara, 40, 88, (1999).
14. **Aștefănoaei Iordana**, Maței Gheorghe, Cylindrical gravitational waves, **Analele Universității de Vest**, Timișoara, 39, 55-64, (1999).
15. Dariescu Ciprian, Dariescu Marina-Aura, **Aștefănoaei Iordana**, The globally pathologic properties of an exact class of solutions with $g_{44} = -\sinh^2(\alpha z)$, **Analele Universității din Iași**, (ISSN 1453-052X), Fizica Solidelor, Tomul XLIII-XLIV, fasc. 2, Editura Universității “Al. I. Cuza”, Iași, pag. 191-200, (1998).
16. **Aștefănoaei Iordana**, Maței Gheorghe, Exact solutions for the gravitational waves with special symmetries, **Analele Universității din Iași**, (ISSN 1453-052X), Fizica Solidelor, Tomul XLIII-XLIV, fasc. 2, Editura Universității “Al. I. Cuza”, Iași, pag. 265-274, (1998).
17. Maței Gheorghe, **Aștefănoaei Iordana**, Gravitational waves sources in Einstein – Rosen **Universe**, UTFT 8-94 Jul. 1994.
18. **Aștefănoaei Iordana**, Maței Gheorghe, The interaction of a gravitational wave with a pure radiation field, **Proceedings the IV-rd and V-rd Conference of Theoretical Physics, General Relativity and Gravitation**, Bistrița, may 1994 and may 1995.
19. **Aștefănoaei Iordana**, Maței Gheorghe, Exact solutions for Einstein-Rosen metric, **Proceedings the III-rd Conference of Theoretical Physics, General Relativity and Gravitation**, Bistrița, (1993), pag 28-34.

20. **Aștefănoaei I.**, Maței Gh., „Gravitational waves in Einstein-Rosen Universe” UTFT 9-94, jul. 1994.
21. **Aștefănoaei Iordana**, Maței Gheorghe, The primordial gravitational waves in Einstein-Rosen Universe, **Proceedings the I – rd and II – rd Conference of Theoretical Physics, General Relativity and Gravitation, Bistrița, may 1993, pag 28-34.**

E. Comunicări la Conferințe Internaționale

Lucrări invited

- [1]. **Iordana Astefanoaei**, Alexandru Stancu, “A Computational Study of the bioheat transfer in the Magnetic Hyperthermia – Cancer Therapy”, **COST ACTION CA 17115 “European network for advancing Electromagnetic hyperthermic medical technologies”**, 8 - 9 iulie 2019 Sibiu, România.
- [2]. **Iordana Astefanoaei**, Alexandru Stancu, “Magnetic Nanoparticle Dosimetry in Hyperthermia – Cancer Therapy. Thermo–Fluid Analysis“, IEEE Magnetics Society Chapter of the Romania Section Conference - **IEEE ROMSC 2019**, Iași, România.
- [3]. **Iordana Astefanoaei**, Alexandru Stancu, “A temperature analysis in the magnetic hyperthermia“, The 12 International Conference on Physics of Advanced Materials, **ICPAM-12**, 22-28 septembrie 2018, Heraklion, Greece.
- [4]. **Iordana Astefanoaei**, Alexandru Stancu, “Hipertermia Magnetică. Câmpul termic al unor sisteme de nanoparticule. Aplicații“, A XLV-a Conferință Națională **FTEM 2018** – Fizica și Tehnologiile Educaționale Moderne, mai 2018, Iași, România.
- [5]. **Iordana Astefanoaei**, Alexandru Stancu, “Magnetic Hyperthermia. The temperature field developed by the magnetic nanoparticle systems. Applications.“, IEEE Magnetics Society Chapter of the Romania Section Conference - **IEEE ROMSC 2018**, (iunie 2018), Iași (România).
- [6]. **Iordana Aștefănoaei**, Ioan Dumitru, Alexandru Stancu, Horia Chiriac, "The magnetic Hyperthermia with low Curie temperature magnetic particles", **IEEE ROMSC 2017**, (iunie 2017), Iași (România).
- [7]. **Iordana Aștefănoaei**, Alexandru Stancu, Horia Chiriac, "The temperature field in the Magnetic Hyperthermia with Fe – Cr – Nb – B magnetic particles", **IEEE ROMSC 2016**, 14 iunie. 2016, Iași (România).
- [8]. **Iordana Aștefănoaei**, Ioan Dumitru, Alexandru Stancu, Horia Chiriac, "The magnetic Hyperthermia with low Curie temperature magnetic particles", **IEEE ROMSC 2014**, 13 iunie 2014, Iași (România).
- [9]. **Iordana Aștefănoaei**, Ioan Dumitru, Alexandru Stancu, Horia Chiriac, "Thermal – fluid analysis in Magnetic Hyperthermia", **IEEE ROMSC 2013**, 2-3 sept. 2013, Iași (România).

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- [1]. **Iordana Astefanoaei**, Alexandru Stancu, “Magnetic Nanoparticle Dosimetry in Hyperthermia Therapy“, **TIM 19 Physics Conference**, 29-31 mai **2019**, Timișoara (România).
- [2]. **Iordana Astefanoaei**, Alexandru Stancu, “Temperature field in the Magnetic Hyperthermia“, 2nd IEEE Conference on Advances in Magnetism, (**IEEE AIM 2018**), 4-7 februarie 2018, La Thuile, Italy.
- [3]. **Iordana Astefanoaei**, Alexandru Stancu, “Advanced control of the temperature field in Magnetic Hyperthermia“, 62nd Annual Conference on Magnetism and Magnetic Materials (**MMM 2017**) November 6-9 Pittsburgh, PA, USA (2017).
- [4]. **Iordana Astefanoaei** and Alexandru Stancu, “A temperature analysis in Magnetic Hyperthermia, **TIM 17 Physics Conference**, 26-29 mai **2017**, Timișoara, România.
- [5]. **Iordana Aștefănoaei**, Alexandru Stancu, Horia Chiriac, “Magnetic Hyperthermia with Fe - Cr- Nb - B magnetic particles“, **TIM15-16 Physics Conference**, 26-28 mai **2016**, Timișoara.
- [6]. **Iordana Aștefănoaei**, Horia Chiriac, Alexandru Stancu, Tissue temperature analysis in magnetic hyperthermia with Fe – Cr – Nb - B magnetic particles, 61st Annual Conference on Magnetism and Magnetic Materials (**2016 MMM Conference**), 31 oct. - 4 nov 2016, New Orleans (USA).
- [7]. **Iordana Aștefănoaei**, Ioan Dumitru, Alexandru Stancu, Horia Chiriac, "The temperature analysis in the magnetic hyperthermia with low Curie temperature particles", 7th International Workshop on Amorphous and Nanostructured Magnetic Materials(**ANMM 2015**), 21-24 septembrie, Iași Romania.
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