

WORKSHOPS & CONFERENCES

Seminar & Plenary Talks 6 (see Table 1)

Table 1 – National and International Events with Seminar Lecture or Plenary Communication (*Presenting author)

Communication Events	
1.	V. A. Antohe* , “Electrochemical Synthesis of Vertical ZnO quasi-1D nanostructures for Electronics and Optoelectronics. Template-Assisted and Template-Free Approaches”, Research Group Meeting, MDEO Seminar, January 16, 2019, Faculty of Physics, University of Bucharest, Bucharest-Măgurele, Romania
2.	V. A. Antohe* , “Electrochemical Synthesis of Vertical ZnO quasi-1D nanostructures for Electronics and Optoelectronics. Template-Assisted and Template-Free Approaches”, 6 th ELBYSIER (Electronics Beyond Silicon Era) Intensive Course: “Closing IC”, ERASMUS+, July 2-7, 2018, Technological Educational Institute (TEI) of Crete, Department of Electronic Engineering, Chania, Crete, Greece
3.	V. A. Antohe* , “Quasi One-Dimensional Nanostructures for Electronics, Magnetic Devices & Spintronics”, 5 th ELBYSIER (Electronics Beyond Silicon Era) Intensive Course: “Spintronic Technologies”, ERASMUS+, April 10-14, 2018, University of Warsaw (UW), Faculty of Physics, Warsaw, Poland
4.	V. A. Antohe* , “Complex Arrays of One-Dimensional Nanostructures Prepared by Template-Assisted Electrochemistry: From Nanofabrication towards Next Generation Devices”, 4 th ELBYSIER (Electronics Beyond Silicon Era) Intensive Course: “Graphene Technologies and Nano-Electronics”, ERASMUS+, October 9-13, 2017, New University of Lisbon (UNL), Faculty of Science and Technology (FCT), Caparica, Portugal
5.	V. A. Antohe* , “Complex Patterns of Multi-Functional One-Dimensional Nanostructures: From Nanofabrication towards Next Generation Devices”, Plenary Lecture for academic staff, postgraduate, graduate and undergraduate students, held as Visiting Professor at Université catholique de Louvain (UCL), September 29 th , 2017, Louvain-la-Neuve, Belgium
6.	V. A. Antohe* , “Smartly Engineered Nanostructured Electrodes: From nanofabrication towards next generation devices”, 2017 Annual Scientific Conference: “Knowledge means Physics”, June 23, 2017, Faculty of Physics, University of Bucharest, Măgurele, Romania

Invited Lectures 12 (see Table 2)

Table 2 – National and International Events with Invited Communication (*Presenting author)

Communication Events	
1.	A. M. Panaitescu and V. A. Antohe* , “Physical and Photoelectric Properties of Heterojunctions Based on Zinc Telluride and Zinc Selenide Thin Films for UV Detectors”, 21 st International Balkan Workshop on Applied Physics and Materials Science (IBWAP 2023), Materials Physics, July 11-14, 2023, Constanța, Romania
2.	V. A. Antohe* , A. M. Panaitescu and I. Antohe, “Effect of the Cadmium Telluride Deposition Method on the Covering Degree of Electrodes Based on Copper Nanowire Arrays”, 20 th International Balkan Workshop on Applied Physics and Materials Science (IBWAP 2022), Materials Physics, July 12-15, 2022, Constanța, Romania
3.	V. A. Antohe* , “Electrochemical synthesis of vertical ZnO quasi-1D nanostructures for electronics and optoelectronics. Template-assisted and template-free approaches”, 19 th International Balkan Workshop on Applied Physics and Materials Science (IBWAP 2019), Materials Physics, July 16-19, 2019, Constanta, Romania
4.	V. A. Antohe* , “Complex arrays of Nanowires & Nanotubes. From nanofabrication toward next generation devices”, 17 th International Balkan Workshop on Applied Physics and Materials Science (IBWAP 2017), Engineering and Industrial Physics, July 11-14, 2017, Constanta, Romania
5.	V. A. Antohe* , “Complex arrays of one-dimensional nanostructures prepared by template-assisted electrochemistry: from nanofabrication toward next generation devices”, 39 th International Semiconductor Conference (CAS 2016), Plenary Session 4 (Invited Papers), October 10-12, 2016, Sinaia, Romania
6.	V. A. Antohe* and L. Piraux, “Fabrication of One-Dimensional Zinc Oxide Nanostructures Using Template-Free Electrochemical Pathways”, 14 th International Balkan Workshop on Applied Physics (IBWAP14), Materials Physics, July 2-4, 2014, Constanta, Romania
7.	F. Abreu Araujo, V. A. Antohe and L. Piraux, “Les nano-oscillateurs à transfert de spin à base de vortex fabriqués par électro-déposition dans des membranes en alumine nanoporeuse”, Séminaire @ Université Paris 13, May 30, 2013, Paris, France
8.	L. Piraux, F. Abreu Araujo, V. A. Antohe , J. De la Torre Medina and A. Encinas, “Interacting magnetic nanowire arrays for studies in nanomagnetism and spintronics”, XXI International Material Research Congress, Nano Science and Technology (Symp. 1C), August 12-17, 2012, Cancún, Mexico
9.	V. A. Antohe* and L. Piraux, “Circuit Modelling on Polyaniline Functionalized Nanowire Templated Micro-Interdigital Capacitors for pH Sensing. Device Integration Routes”, 12 th International Balkan Workshop on Applied Physics (IBWAP12), Biophysics, Environmental Physics, July 6-8, 2011, Constanta, Romania
10.	V. A. Antohe* and L. Piraux, “Polyaniline-Functionalized Nanowire-Templated Micro-Interdigital Capacitors for Highly-Sensitive pH Detection”, E-MRS 2011 Spring Meeting, Bioinspired and Biointegrated Materials as New Frontiers Nanomaterials (Symp. P), May 9-13, 2011, Nice, France
11.	V. A. Antohe* , “Fabrication of Localized Nanowire Arrays. A Step Forward in Highly-Efficient pH Sensors”, Trends in Nanoscience: Theory, Experiment, Technology (TN’09), August 23-30, 2009, Sibiu, Romania
12.	V. A. Antohe* , “Fabrication of Localized Nanowire Arrays. A Step Forward in Highly-Sensitive Detecting Applications”, Romanian Conference on Advanced Materials (ROCAM 2009), August 25-28, 2009, Brasov, Romania

Oral Presentations 53 (see Table 3)

 Table 3 – National and International Events with **Oral Communication** (*Presenting author; **Corresponding author)

Communication Events	
1.	V. A. Antohe and S. Antohe, “Study of the RF-sputtered ZnTe thin films for electronic and optoelectronic applications”, Conferința Națională Științifică de Toamnă a Academiei Oamenilor de Știință din România (AOSR) , November 03-05, 2022, Cluj-Napoca, Romania
2.	V. A. Antohe and S. Antohe, “Study of the RF-sputtered ZnSe and ZnTe Thin Films for Electronic and Optoelectronic Applications”, Conferința Națională Științifică de Primăvară a Academiei Oamenilor de Știință din România (AOSR) , May 06-07, 2022, Bucharest, Romania (Online)
3.	A. M. Panaitescu and V. A. Antohe** , “Fabrication and characterization of Cd-free A ^{II} -B ^{VI} heterojunctions for sensing applications”, 14th International Conference on Physics of Advanced Materials (ICPAM-14) , Thin Films and Nanostructures for Modern Electronics (T1), September 8-15, 2022, Dubrovnik, Croatia (Online)
4.	B. G. Șolomonea, L. I. Jinga, V. A. Antohe , G. Socol and I. Antohe, “Detection of cadmium ions (Cd ²⁺) using an innovative optical fiber sensor”, Pentagon of the Faculties of Physics , July 24-26, 2022, Faculty of Physics, University of Bucharest, Bucharest-Măgurele, Romania
5.	A. M. Panaitescu, D. Giurgiu, V. A. Antohe , S. Iftimie, A. M. Răduță, A. Radu, L. Ion and Ș. Antohe, “Study of A ^{II} -B ^{VI} zinc-based thin films for sensing applications”, 2022 Annual Scientific Conference , Solid State Physics and Materials Science, Optics, Spectroscopy, Plasma and Lasers, June 24, 2022, Faculty of Physics, University of Bucharest, Bucharest-Măgurele, Romania
6.	B. G. Șolomonea, L. I. Jinga, V. A. Antohe , G. Socol and I. Antohe, “Cadmium ions (Cd ²⁺) detection using a portable plasmonic based optical fiber sensor”, 2022 Annual Scientific Conference , Solid State Physics and Materials Science, Optics, Spectroscopy, Plasma and Lasers, June 24, 2022, Faculty of Physics, University of Bucharest, Bucharest-Măgurele, Romania
7.	C. Radu, O. Toma, Ș. Antohe, V. A. Antohe and C. Miron, “Physics classes enhanced by smartphone experiments”, 2022 Annual Scientific Conference , Physics Education, June 24, 2022, Faculty of Physics, University of Bucharest, Bucharest-Măgurele, Romania
8.	A. Stochioiu, I. Antohe, L. I. Jinga, A. Mihăilescu, G. Popescu-Pelin, V. A. Antohe and G. Socol, “Highly specific hydrogen gas detection using PMMA/PANI/Au chemoresistive sensor”, International Conference on Laser, Plasma and Radiation Science and Technology (ICLPR-ST) , Modern devices for ultrasensitive detection, June 07-10, 2022, Bucharest – Parliament Palace, Romania
9.	I. Antohe, I. Jinga, I. Kuncser, V. A. Antohe and G. Socol, “Development of a Polymer Based Fiber Optic – Surface Plasmon Resonance (FO-SPR) Sensor for Environmental Monitoring”, International Conference on Laser, Plasma and Radiation Science and Technology (ICLPR-ST) , Modern devices for ultrasensitive detection, June 07-10, 2022, Bucharest – Parliament Palace, Romania
10.	A. M. Panaitescu, I. Antohe, C. Locovei, S. Iftimie, Ș. Antohe, L. Piraux and V. A. Antohe** , “Study of Cadmium Telluride-Embedded Copper Nanowire Interfaces for Photovoltaic Applications”, E-MRS 2022 Spring Meeting , Thin film chalcogenide photovoltaic materials (Symp. K), May 30-June 03, 2022, Strasbourg, France (Online – Virtual Conference)
11.	A. I. Radu, V. A. Antohe , S. Iftimie, I. Antohe, M. Filipescu, A. Radu, D. Coman, M. L. Stîngescu, E. I. Bancu, M. Dinescu and Ș. Antohe, “New composite based on SnO ₂ nanoparticles-P3HT:PC ₇₁ BM co-polymer blend, as absorber in bulk heterojunction photovoltaic cells”, E-MRS 2022 Spring Meeting , Advanced characterization of organic and hybrid materials (Symp. U), May 30-June 03, 2022, Strasbourg, France (Online – Virtual Conference)
12.	I. Antohe, A. Stochioiu, L. I. Jinga, A. Mihăilescu, G. Popescu-Pelin, V. A. Antohe and G. Socol, “Hydrogen gas monitoring using a polymer-based conductometric sensor”, E-MRS 2022 Spring Meeting , Polymer and hybrid thin films deposited from the vapor phase for functional (bio-devices) (Symp. S), May 30-June 03, 2022, Strasbourg, France (Online – Virtual Conference)
13.	J. O. Omale, P. Van Velthem, V. A. Antohe , A. Vlad and L. Piraux, “Effects of Electrolyte Additives and Nanowire Diameter on the Electrochemical Performance of Lithium-Ion Battery Anodes Based on Interconnected Nickel-Tin Nanowire Networks”, 241st ECS Meeting , A02 – Li-ion Battery Anodes 1, May 29 – June 02, 2022, Vancouver, BC, Canada
14.	B. G. Șolomonea, L. I. Jinga, V. A. Antohe , G. Socol and I. Antohe, “Cadmium detection in water samples using a fiber optic – surface plasmon resonance sensor”, 18th International Conference “Students for Students” (ICSFS) , April 6-10, 2022, Faculty of Chemistry and Chemical Engineering, Babeș-Bolyai University, Cluj-Napoca, Romania (Online)
15.	V. A. Antohe and S. Antohe, “Study of the RF-sputtered ZnSe thin films for electronic and optoelectronic applications”, Conferința Științifică de Toamnă a Academiei Oamenilor de Știință din România (AOSR) , November 18-19, 2021, Bucharest, Romania (Online)
16.	A. M. Panaitescu, A. M. Răduță, V. A. Antohe , S. Iftimie, L. Ion, A. Radu and Ș. Antohe, “Physical properties of ultra-thin heterojunctions based on Cd and Cd free A ^{II} -B ^{VI} compounds for electronic and optoelectronic applications”, TIM 20-21 Physics Conference , Condensed Matter Physics, Timișoara, November 11-13, 2021, Timișoara, Romania (Online)
17.	A. M. Panaitescu, V. A. Antohe , S. Iftimie, O. Toma, L. Ion, A. Radu and Ș. Antohe, “Effect of RF power on structural, morphological, optical and electrical properties of RF – sputtered ZnSe thin films for electronic and optoelectronic applications”, 2021 Annual Scientific Conference , Solid State Physics and Materials Science, June 18, 2021, Faculty of Physics, University of Bucharest, Bucharest-Măgurele, Romania (Online)
18.	A. M. Răduță, S. Iftimie, V. A. Antohe , C. Locovei, A. Radu, L. Ion and Ș. Antohe, “Effect of working power and thermal treatment on physical properties of RF-sputtered CdTe thin films for photovoltaic applications”, 2021 Annual Scientific Conference , Solid State Physics and Materials Science, June 18, 2021, Faculty of Physics, University of Bucharest, Bucharest-Măgurele, Romania (Online)
19.	M. E. Bărbîntă-Pătrașcu, M. Bacalum, V. A. Antohe , S. Iftimie and Ș. Antohe, “Bio-NanoPlatinum generated from nettle leaves and grape berries: potential applications in osteosarcoma therapy”, 2021 Annual Scientific Conference , Biophysics and Medical Physics, June 18, 2021, Faculty of Physics, University of Bucharest, Bucharest-Măgurele, Romania (Online)
20.	V. A. Antohe and S. Antohe, “Effect of the applied power on the physical properties of RF-sputtered ZnSe thin films”, Conferința Științifică de Primăvară a Academiei Oamenilor de Știință din România (AOSR) , June 10, 2021, Bucharest, Romania (Online)

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21. I. Antohe, **V. A. Antohe** and G. Socol, “Development of an innovative fiber optic - surface plasmon resonance (FO-SPR) sensor for food and environmental monitoring”, [E-MRS 2021 Spring Meeting](#), Bioinspired and biointegrated materials as new frontiers nanomaterials (Symp. O), May 31-June 04, 2021, Strasbourg, France ([Online – Virtual Conference](#))
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22. S. Iftimie, D. Coman, C. Locovei, A. Rad, **V. A. Antohe**, A. Dumitru, M. Manica, C. Radu, L. Ion, and S. Antohe, “Effects of in-situ and ex-situ thermal annealing on the physical properties of RF sputtered indium tin oxide thin films”, [E-MRS 2021 Spring Meeting](#), Substitution and recycling of critical raw materials in optoelectronic, magnetic and energy devices III (Symp. S), May 31-June 04, 2021, Strasbourg, France ([Online – Virtual Conference](#))
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23. C. Locovei, N. Filipoiu, A. Kuncser, A. E. Stanciu, Ș. Antohe, C. F. Florica, A. Costas, I. Enculescu, L. Piroux, V. Kuncser and **V. A. Antohe****, “Unidirectional Magnetic Anisotropy in Dense Vertically-Standing Arrays of Passivated Nickel Nanotubes”, [E-MRS 2021 Spring Meeting](#), Substitution and recycling of critical raw materials in optoelectronic, magnetic and energy devices III (Symp. S), May 31-June 04, 2021, Strasbourg, France ([Online – Virtual Conference](#))
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24. **V. A. Antohe** and S. Antohe, “Physical Properties of RF-sputtered ZnS and ZnSe Thin Films for Photovoltaic Applications”, [Conferința Științifică de Toamnă a Academiei Oamenilor de Știință din România \(AOSR\)](#), November 25-27, 2020, Bucharest, Romania ([Online](#))
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25. I. Antohe, A. Stochioiu, **V. A. Antohe** and G. Socol, “Picomolar detection of 4-nitrophenol using a polyaniline/platinum-coated fiber optic surface plasmon resonance sensor”, [Nanoscience and Nanotechnology International Online Conference \(NanoPT 2020\)](#), September 23-24, 2020, Portugal ([Online](#))
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26. **V. A. Antohe** and S. Antohe, “On the Physical and Photo-Electrical Properties of Organic Photovoltaic Cells Based on 1,10 Phenanthroline (Phen) and 10,15,20-tetra(4-pyridyl)-21H,23H-porphine (TPyP) Thin Films”, [Conferința Științifică de Primăvară a Academiei Oamenilor de Știință din România \(AOSR\)](#), May 28 – Iunie 7, 2020, Bucharest, Romania ([Online](#))
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27. A. M. Panaitescu, Ș. Antohe, S. Iftimie, A. Radu, L. Ion and **V. A. Antohe****, “On the Fabrication and Characterization of CdTe-Embedded Cu Nanowire Arrays for Photovoltaic Applications”, [19th International Balkan Workshop on Applied Physics and Materials Science \(IBWAP 2019\)](#), Materials Physics, July 16-19, 2019, Constanta, Romania
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28. A. M. Răduță, L. Ion, S. Iftimie, V. Ghenescu, M. Ghenescu, **V. A. Antohe**, A. Radu, L. Dan and Ș. Antohe, “Physical Properties of RF-Sputtered ZnS and ZnSe Thin Films Used for Double-Heterojunction ZnS/ZnSe/CdTe Photovoltaic Structures”, [19th International Balkan Workshop on Applied Physics and Materials Science \(IBWAP 2019\)](#), Materials Physics, July 16-19, 2019, Constanta, Romania
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29. N. Vasile, S. Iftimie, T. Acsente, C. Locovei, V. Ion, A. Călugăr, A. Radu, **V. A. Antohe**, M. Manica, S. Vizireanu, G. Dinescu and Ș. Antohe, “Comparison of the Properties of IZO and AZO Thin Films Deposited by RF Magnetron Sputtering”, [19th International Balkan Workshop on Applied Physics and Materials Science \(IBWAP 2019\)](#), Laser, Plasma and Radiation Physics and Applications, July 16-19, 2019, Constanta, Romania
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30. A. M. Răduță, S. Iftimie, V. Ghenescu, M. Ghenescu, **V. A. Antohe**, A. Radu, C. Radu, D. Manica, D. Coman, L. Dan, L. Ion and Ș. Antohe, “Study of rf-sputtered ZnS and ZnSe thin films for photovoltaic applications”, [2019 Annual Scientific Conference](#), Solid State Physics and Materials Science, June 21-22, 2019, Faculty of Physics, University of Bucharest, Bucharest-Măgurele, Romania
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31. C. Locovei, D. Coman, A. Radu, L. Ion, **V. A. Antohe**, N. Vasile, M. Colt, M. Manica, A. Dumitru, S. Iftimie, Ș. Antohe, “Physical characterization of Dy and Cu co-doped ZnO thin films grown by radio-frequency magnetron sputtering”, [2019 Annual Scientific Conference](#), Solid State Physics and Materials Science, June 21-22, 2019, Faculty of Physics, University of Bucharest, Bucharest-Măgurele, Romania
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32. A. Călugăr, M. Filipescu, S. Iftimie, A. Radu, **V. A. Antohe**, D. Coman, M. Colt, M. Manica, M. Dinescu, S. Antohe, “Study of the physical properties of P3HT:PCBM:SnO₂ thin films based photovoltaic structures”, [2019 Annual Scientific Conference](#), Solid State Physics and Materials Science, June 21-22, 2019, Faculty of Physics, University of Bucharest, Bucharest-Măgurele, Romania
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33. A. M. Panaitescu, S. Iftimie, Ș. Antohe, L. Ion, A. Radu and **V. A. Antohe****, “Fabrication and characterization of Cu nanowire arrays for photovoltaic applications”, [12th International Conference on Physics of Advanced Materials \(ICPAM-12\)](#), Materials for Energy and Environment (T3), September 22-28, 2018, Technological Educational Institute (TEI) of Crete, Heraklion, Greece
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34. S. Iftimie, A. Radu, F. Băiașu, A. M. Răduță, **V. A. Antohe**, D. Coman, A. M. Panaitescu, L. Ion and Ș. Antohe, “On the physical properties of ZnSe_{1-x}Ox thin film grown by rf-magnetron sputtering”, [12th International Conference on Physics of Advanced Materials \(ICPAM-12\)](#), Thin Films and Nanostructures for Modern Electronics (T1), September 22-28, 2018, Technological Educational Institute (TEI) of Crete, Heraklion, Greece
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35. A. M. Panaitescu, S. Iftimie, Ș. Antohe, L. Ion, A. Radu and **V. A. Antohe****, “Fabrication and characterization of Cu nanowire arrays for photovoltaic applications”, [International Workshop on Advances in Nanomaterials \(IWAN 2018\)](#), Section IV: Photovoltaics, photocatalysis and photonics, September 17-19, 2018, National Institute of Materials Physics (NIMP), Bucharest-Măgurele, Romania
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36. A. M. Panaitescu, S. Iftimie, Ș. Antohe, L. Ion, A. Radu and **V. A. Antohe****, “Fabrication and Characterization of Cu nanowire arrays for photovoltaic applications”, [2018 Annual Scientific Conference dedicated to Great Union Centenary](#), Solid State Physics and Materials Science, June 21-22, 2018, Faculty of Physics, University of Bucharest, Bucharest-Măgurele, Romania
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37. A. Călugăr, S. Iftimie, A. Radu, **V. A. Antohe**, L. Dan, D. Coman, L. Ion and Ș. Antohe, “Photovoltaic cells with polymeric/chlorophyll-a thin films – electrical and photoelectrical characterization”, [2018 Annual Scientific Conference dedicated to Great Union Centenary](#), Solid State Physics and Materials Science, June 21-22, 2018, Faculty of Physics, University of Bucharest, Bucharest-Măgurele, Romania
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38. P. Sá, **V. A. Antohe**, A. Jonas and L. Piroux, “Hybrid Magnetolectric Nanocomposites”, [PhD Students’ Day](#), May 20, 2016, Louvain-la-Neuve, Belgium
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39. A. Vlad, **V. A. Antohe***, J. Rolland, J. F. Gohy and L. Piroux, “Laser Micropatterned Electrodes and 3D Interconnected Nanowire Networks towards Lithium Microbattery Architectures”, [E-MRS 2016 Spring Meeting](#), Materials and systems for micro-energy harvesting and storage (Symp. W), May 02-06, 2016, Lille, France
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40. **V. A. Antohe***, E. Ferain, D. Lahem and L. Piroux, “Self-Supported Three-Dimensionally Interconnected Polypyrrole Nanotubes and Nanowires for Highly-Sensitive Gas Detection”, [E-MRS 2016 Spring Meeting](#), Functional materials for environmental sensors and energy systems (Symp. X), May 02-06, 2016, Lille, France
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41. P. Sá, **V. A. Antohe**, A. M. Jonas and L. Piraux, “Hybrid CoFe₂O₄ / P(VDF-TrFE) Magnetolectric Nanocomposites”, [E-MRS 2016 Spring Meeting](#), Solution processing and properties of functional oxide thin films and nanostructures II (Symp. AA), May 02-06, 2016, Lille, France
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42. J. Schwenk, H. J. Hug, M. A. Marioni, T. Hauet, M. Hehn, F. Abreu Araujo, **V. A. Antohe**, S. K. Srivastava and L. Piraux, “Capacitive distance control for measuring particulate magnetic media with Magnetic Force Microscopy”, [IEEE International Magnetics Conference \(INTERMAG 2015\)](#), Magnetic Imaging and Characterization I (Session BE), May 11-15, 2015, Beijing, China
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43. T. Hauet, L. Piraux, S. K. Srivastava, **V. A. Antohe**, D. Lacour, M. Hehn, F. Montaigne, J. Schwenk, M. A. Marioni, H. J. Hug, O. Hovorka, A. Berger, S. Mangin and F. Abreu Araujo, “Reversal mechanism in Co/Pt patterned media with dipolar frustrations”, [59th Annual Conference on Magnetism and Magnetic Materials \(MMM\)](#), November 3-7, 2014, Honolulu, Hawaii, USA
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44. **V. A. Antohe***, M. Mickan, F. Henry and L. Piraux, “Direct Electrochemical Growth of Vertically-Oriented ZnO Nanorod Arrays on Transparent Al-Doped ZnO Electrodes”, [E-MRS 2014 Spring Meeting](#), Solution Processing and Properties of Functional Oxide Thin Films and Nanostructures, Optoelectronic Materials I (Symp. I), May 26-30, 2014, Lille, France
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45. F. Abreu Araujo, N. Locatelli, A. D. Belanovsky, **V. A. Antohe**, V. Cros and L. Piraux, “Spin-torque nanowire vortex oscillators”, [Nano Science & Technology \(Nano S&T\)](#), September 26-28, 2013, Xi’an, China
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46. L. Piraux, F. Abreu Araujo, **V. A. Antohe**, J. De la Torre Medina and A. Encinas, “Properties and potential applications of electrochemically template grown magnetic nanowires”, [International Conference & Exhibition on Advanced & Nano Materials \(ICANM 2013\)](#), August 12-14, 2013, Quebec, Canada
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47. **V. A. Antohe***, L. Gence and L. Piraux, “Template-Free Electrochemical Deposition of Highly Oriented ZnO Columnar Arrays for Photovoltaic Applications”, [Solar Energy for World Peace](#), Photovoltaic Materials I, August 17-19, 2013, Istanbul, Turkey
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48. A. Sediri, L. Piraux, **V. A. Antohe**, F. Abreu Araujo, M. Hehn, D. Lacour, S. Mangin and T. Hauet, “Magnetic Behavior of Co/Pt and TbCo Nanocaps Assembly for Bit Pattern Media”, [Nanomaterials: Application & Properties \(NAP-2012\)](#), September 17-22, 2012, Alushta, the Crimea, Ukraine
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49. **V. A. Antohe***, A. Radu, L. Piraux and S. Matéfi-Tempfli, “Highly Sensitive pH Detectors Based on Localized Nanowire Arrays”, [4th International Symposium on Nanostructured Materials and Nanotechnology \(ICACC 2010\)](#), January 24-29, 2010, Daytona Beach, Florida, USA
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50. S. Antohe, I. Enculescu, C. Beşleagă, I. Arghir, **V. A. Antohe**, V. Covlea, A. Radu and L. Ion, “Hybrid Nanostructured Organic/Inorganic Photovoltaic Cells”, [4th International Symposium on Nanostructured Materials and Nanotechnology \(ICACC 2010\)](#), January 24-29, 2010, Daytona Beach, Florida, USA
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51. F. Abreu Araujo, **V. A. Antohe**, M. Darques, L. Piraux, A. V. Khvalkovskiy, K. Bouzheouane, J. Grollier, K. A. Zvezdin and V. Cros, “Les Nano-Oscillateurs à Transfert de Spin dans les Nanofils Multicouches Co/Cu Electrodeposités”, [23eme Entretiens Jacques Cartier](#), Nanomagnetisme et Spintronique, November 24-25, 2010, Grenoble, France
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52. **V. A. Antohe***, A. Radu, S. Yunus, M. Matéfi-Tempfli, A. Dutu, A. Vlad, S. Melinte, L. Piraux and S. Matéfi-Tempfli, “Fabrication of Localized Nanowire Arrays used for Increasing the Sensitivity in pH Measuring Applications”, [9th International Balkan Workshop on Applied Physics \(IBWAP09\)](#), Biophysics, Environmental Physics, July 2008, Constanta, Romania
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53. A. Vlad, M. Matéfi-Tempfli, **V. A. Antohe**, V. Bayot, L. Piraux, S. Melinte and S. Matéfi-Tempfli, “Confined Growth of Nanowires within Supported Alumina Templates for Large Scale Circuit Integration”, [Nanostructured Materials – Science and Technology – Bio-active Nanomaterials, Congress on Materials Science and Engineering \(MSE08\)](#), September 2008, Nürnberg, Germany
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Poster Contributions 30 (see Table 4)

[Table 4 – National and International Events with Poster Communication](#) (*Presenting author; **Corresponding author)

Communication Events

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1. A. I. Radu, **V. A. Antohe**, S. Iftimie, A. Radu, M. Filipescu, L. Ion, M. Dinescu and Ş. Antohe, “Organic Photovoltaic Structures Based on 1,10-Phenanthroline and 5,10,15,20-Tetra(4-pyridyl)-21H,23H Porphine Non-Fullerene Thin Films Acceptors”, [International Conference on Laser, Plasma and Radiation Science and Technology \(ICLPR-ST\)](#), New trends in thin films and nanomaterials synthesis and processing (Topic 4), June 07-10, 2022, Bucharest – Parliament Palace, Romania
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2. B. G. Şolomonea, L. I. Jinga, **V. A. Antohe**, G. Socol and I. Antohe, “Highly-Sensitive Cadmium Detection in Water Samples Using a Portable Plasmonic Based Optical Fiber Sensor”, [International Conference on Laser, Plasma and Radiation Science and Technology \(ICLPR-ST\)](#), Modern applications in environment, life sciences and energy (Topic 5), June 07-10, 2022, Bucharest – Parliament Palace, Romania
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3. S. Iftimie, A. M. Răduţă, A. M. Panaitescu, I. Radulian, C. Locovei, **V. A. Antohe**, A. Radu, L. Ion and Ş. Antohe, “On the photovoltaic performances of CdTe/CdS heterojunction based devices – the effect of the transparent electrode”, [E-MRS 2022 Spring Meeting](#), Thin film chalcogenide photovoltaic materials (Symp. K), May 30-June 03, 2022, Strasbourg, France ([Online – Virtual Conference](#))
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SCIENTIFIC PUBLICATIONS

Editorials, Reviews, Proceedings & Research Papers **64** (see Table 1 – citations are included, cross-references with Table 2 are indicated, h-index is given at the end of the table)

Table 1 – Editorials, Reviews, Proceedings & Research Papers (*19 as principal author: corresponding or shared-corresponding, first or joint-first)*

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*Scientometric data (Impact Factor – IF, Article Influence Score – AIS, Ranking by IF – Q1, Q2, Q3 and Q4) is from Clarivate – Journal Citation Reports (JCR), taken from the publication's year or the previously available year.

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