

Curriculum Vitae

Personal information

First name(s) / Surname(s)	Mirela Petruța Șucă
Address(es)	IMT Bucharest Romania HMU, Heraklion Crete, Greece
E-mail	mira.sucă@imt.ro mirasucă@hmu.gr ;
Tel.	+40 720689568 +30 6944 563047
Nationality	Romanian
Date of birth	06.03.1973
Webpages	http://www.researcherid.com/rid/B-7547-2012 https://publons.com/researcher/1266831/mirela-sucă https://www.scopus.com/authid/detail.uri?authorId=9279148000 http://orcid.org/0000-0003-0389-7944 https://scholar.google.gr/citations?hl=el&user=JzMRj5UAAAAJ&view_op=list_works&sortby=pubdate <i>Brain Map ID: UEFISCDI ID (UEF-iD):U-1700-035G-2848</i> https://photocatalysis-workshop.eu/ https://mirananoart.wordpress.com

Work experience

30.05. 2021	Successful exam for Scientific Researcher I - National Institute for Research and Development in Microtechnologies -IMT Bucharest, Romania www.imt.ro
15.11.2020-present	Scientific Researcher III - National Institute for Research and Development in Microtechnologies -IMT Bucharest, Romania www.imt.ro
01.09.2017-15.11.2020	Principal Physicist in Technologic Transfer Center of National Institute for Research and Development in Microtechnologies -IMT Bucharest, Romania www.imt.ro
01.05.2019-present	Associated Researcher of Center of Materials Technology and Photonics CEMATEP, Hellenic Mediterranean University: Heraklion, Crete http://www.cematep.teicrete.gr/about/
24.09.2018- present	Lecturer (Electronics, Telecommunications and information technology faculty) - Polytechnic University of Bucharest, Bucharest, Romania.
01.01.2013-30.04.2019	Visiting Associated Professor and Member of research team of Center of Materials Technology and Photonics in Electrical Engineering Department, School of Engineering, Technological Educational Institute of Crete, Greece.
01.05.2013-30.09.2016	Project Coordinator “Photocatalytic active nanostructured coatings on fabric substrates for applications in air purification systems” PNII-RU-TE-2012-3-0202 Chemistry Faculty, University Alexandru Ioan Cuza, Iasi 11 Carol I Boulevard, RO 700506 – Iași, Romania
01.07.2014-30.11.2015	Postdoctoral fellowship in Physics Faculty@UAIC in the „Sistem integrat de îmbunătățire a calității cercetării doctorale și postdoctorale din România și de promovare a rolului științei în societate”, POSDRU/159/1.5/S/133652, Project: “Thin films and nanostructures for advanced solar cells. Research, scientific communication and science popularization” https://materialscomscie.wordpress.com/about/
01.03.2010-31.12.2012	External lecturer and member of research team of Center of Materials technology and Photonics in Electrical Engineering Department, School of Engineering Technological Educational Institute of Crete, Greece.
01.08.2012-present	Scientific Consultant Collaborator at EMFUTUR technologies, Spain www.emfutur.com
01.07. 2011 – 31.01. 2012	Scientific collaborator Megalab http://www.megalab.gr ,Greece

01.03.2009-31.12.2009	Research Technical Support in Microscopy Laboratory Electrical Engineering Department, School of Applied Technology, Technological Educational Institute of Crete, Greece
03.08.2002-30.06.2009	Researcher Physicist – P.E.M.L. Group to Institute of Electronic Structure and Laser Foundation of Research and Technology Hellas, Heraklion, Crete, Greece
01.12.2005-31.01.2006	Physicist Researcher Collaborator – Center of Materials Technology and Laser, School of Applied Technology, Technological Educational Institute of Crete, Heraklion, Greece
01.06.2005-31.07.2005	Physicist Researcher Collaborator – Center of Materials Technology and Laser, School of Applied Technology, Technological Educational Institute of Crete, Greece
01.04.2000-30.06.2002	Qualified personnel in physical processing laboratory – RAMI-Dacia – Diamond Factory, Bucharest, Romania
01.08.1999-31.03.2001	Consulting Collaborator for Bioptron medical equipment at Zepter – Romania
01.05.1996-31.08.1999	General manager at Romgraphic Galleries Ltd., Bucharest, Romania
1996-1997	Substitute physics teacher at Nicolae Tonitza High School, Bucharest, Romania

Education

01.10. 2004-09.12.2009	<p>PhD Student in University of Crete Chemistry Department. Thesis title: “Study of In₂O₃ and ZnO thin films for selective gas sensors applications: Growth effect on the films structure and surface topology as essential factor in metal oxide thin films sensing applications” http://phdtheses.ekt.gr/eadd/handle/10442/18139 <i>Supervisor: Prof. T. Kitsopoulos</i> <i>Professor of Chemistry, University of Crete, Affiliated Researcher at the IESL FORTH</i> <i>tel. +30 2810 391467, +30 2810 545002 (university)</i> <i>FAX + 30 2810 391305, 1318</i> <i>email: theo@iesl.forth.gr; theo@chemistry.uoc.gr; theo.kitsopoulos@mpibpc.mpg.de</i> www.iesl.forth.gr/lasergrp/tnk/version1en.htm</p>
1991-1997	<p>Physics Faculty at the University of Bucharest – Biophysics specialization in the 4th and 5th years of study. Licensed in Physics–Biophysics. License work: “The Ultrasonography. An Application in the Pressure-Volume Relation Study of the Left Ventricle” (1999) <i>Coordinator: Lect. Dr. Puiu Bălan.</i></p>

Training and stages

06.07. 2020-20.08.2020	Research stage and documentation at CEMATEP HMU, Heraklion, Crete partially supported by the Institutional project: „Consolidarea EXCELEŢei IMT in domeniul micro-nano tehnologiilor inovative si sistemelor inteligente in vederea creşterii impactului asupra domeniilor prioritare de specializare inteligente si de prioritate publica” – EXCEL-IMT, Contract no. 13PFE/16.10.2018 Activ. II5. “Stagii de instruire, mobilitati pentru personalul CD, care are ca rezultat: Cresterea competentelor stiintifice, experimentale ale personalului CD; perfectionare; Diseminare rezultate, cresterea prestigiului international; intensificare cooperare internationala”
15. 11. 2019 – 10. 12. 2019	“Multifunctional advanced materials onto flexible substrates for electronic circuits and devices applications/Materiale avansate multifuncţionale pe suport flexibil pentru integrare in dispozitive electronice pliabile” training at Center of Material Technology and Photonics, Hellenic Mediterranean University Heraklion, Greece Mobility grant of the Romanian National Authority for Scientific Research, CNCS – UEFISCDI, Researcher mobility projects (PN-III-DCD-RU-MC-2019-3). PN-III-P1-1.1-MC-2019-1806 contract nr 289/12/11/2019 UEFISCDI.
30.03.2019-12.05.2019	Research stage and documentation at CEMATEP Laboratories School of Engineering of TEI of Crete, Heraklion, Crete partially supported by the Institutional project: „Consolidarea EXCELEŢei IMT in domeniul micro-nano tehnologiilor inovative si sistemelor inteligente in vederea creşterii impactului asupra domeniilor prioritare de specializare inteligente si de prioritate publica” – EXCEL-IMT, Contract no. 13PFE/16.10.2018 Activ. II5. “Stagii de instruire, mobilitati pentru personalul CD, care are ca rezultat: Cresterea competentelor stiintifice, experimentale ale personalului CD; perfectionare; Diseminare rezultate, cresterea prestigiului international; intensificare cooperare internationala”
30.11. 2017-08.01.2018	“Fundamentals of graphene based organic and hybrid organic solar cells fabrication and testing” training at Center of Material Technology and Photonics, School of Engineering of TEI of Crete, Heraklion, Crete under the Mobility grant of the Romanian National Authority for Scientific Research, CNCS – UEFISCDI, project number PN-III-P1-1.1-MC-2017-0190.
19.05-21.06.2015	Research and training stage at “Center of Material Technology and Photonics, School of Engineering of TEI, Creta, Heraklion, (coordonator Professor Dr. Emmanuel Koudoumas) - POSDRU/159/1.5/S/133652
8 December 2015	Certified training course on “Gender Budgeting” by Ms. Barbara de Micheli, Gender expert, Fondazione Giacomo Brodolini (Italy), FP7 GenisLab Project Coordinator, Alexandru Ioan Cuza University, Romania.
9 December, 2014	Training on “Scientific excellence in Horizon 2020 projects: gender in project’s life cycle” delivered by Mrs. Catarina Arnaut, European expert on Horizon 2020 applications. Alexandru Ioan Cuza University, Romania.
11-31 January 2009	EMAT Winter Workshop and Winter School on Transmission Electron Microscopy (100 hours) 12 January - 30 January 2009 Antwerp Belgium (http://www.winterworkshop.ua.ac.be/)
2008	Course regarding research management and methodology organized by general Secretariat for Research and Technology and Science and Technology Park of Crete in the framework of the project PENED2003 (103 hours)
14 March 2006	AFM Seminar organized by Analytical Instruments and Veeco Instruments, Athens, Greece

26-27 November 2005	Course regarding "Funds raising and capital management methods" organized at SPINCRETE in the framework of the program CRINNO by Heraklion Commercial Chamber of Commerce and Technical School of the Commercial Chamber (20 hours)
09-14 October 2005	4th short course "Fundamentals of sensor systems" Analipsi, Crete (Greece), (http://www.gospel-network.org/content/view/251/77/)
19-23 July 2004	2004 July 19-23 The 2004 Lectures in Chemistry and Physics, Heraklion, Crete "The Nanotechnology Revolution" (http://www.forth.gr/onassis/lectures/2004-07-19/lecturers.html)
26-30 May 2003	Special Open course: "Semiconductor based microsensors" by Dr. Vincent Mosser (Schlumberger-France), Master on Microelectronics/Optoelectronics - Physics Department of Crete University
2002-2004	Optoelectronics-Microelectronics Master Program attendant in Physics Department of Crete University
Awards	<ul style="list-style-type: none"> ○ Young Investigator Excellence Award in Physics - 27th of March 2015 during 'Women Researchers Day' @ Alexandru Ioan Cuza University, Romania http://www.stages.csmcd.ro/index.php/youngcareer . ○ Young Scientist Award for the best paper presented during EMRS2006 Symposium J, May 2006, Nice, France
Affiliations	<ul style="list-style-type: none"> ○ NanoArt 21 and Academy of NanoArt Team - Europe Director since 2017 http://nanoart.org/ ○ Romanian Chemistry Society since 1st of July 2013 ○ Student Membership Materials Research Society 2006-2009
European Projects participation	<ul style="list-style-type: none"> ○ Photon-mediated Phenomena in semiconductor Nanostructures "HPRN-CT-2002-00298, budget € 103.000. ○ Product Imaging and Correlation: Non-adiabatic Interactions in Chemistry (HPRN-CT-2002-00183 Acronym : PICNIC) ○ Advanced Methods and Tools for Handling and Assembly in Microtechnology "ASSEMIC", "MRTN-CT-2003-504826", budget € 223.453. ○ 3rd Generation Optical Coatings for large area Architectural Glazing "3rd GenLAC", "ENK6-CT-2002-00678", budget € 275.601. ○ Project No. 62013 of the Mediterranean Society for Metabolic Syndrome, Diabetes and Hypertension in Pregnancy- DEGU. Project Title: Physiological and morphological complexity in fetal and postnatal development, and aging Project Head: Igor V. Pantic, MD, PhD Project duration: 2013-2015 (computational biology methods such as fractal and textural analysis in quantifying structural and functional complexity in fetal and postnatal development and aging). ○ "Nanostructured composite paints for electronics electromagnetic shielding" NATO Science for Peace and Security Programme Project financed September 2018- March 2022 - Team member (experienced researcher) at CEMATEP, HMU Greece.

Greek National Projects participation

- ΠΕΝΕΔ 2005. «Ανάπτυξη αισθητήρων ανίχνευσης αερίων» 2005-2008 General Secretariat for Research and Technology/PENED 2003 03ED733 “Fabrication of gas sensors “, budget € 102.900
- ΕΠΕΑΕΚ Αρχιμήδης Ι. «Ανάπτυξη υμενίων για χρήσεις οπτικής απεικόνισης υψηλής ανάλυσης στο κοντινό υπέρυθρο» ΕΠΕΑΕΚ Archimedes I, «Growth of thin films for high resolution optical imaging in the near infrared» 2004-2007, budget € 50.000
- ΕΠΕΑΕΚ Αρχιμήδης Ι. «Αισθητήρες, νανοτεχνολογία και εφαρμογές» ΕΠΕΑΕΚ Archimedes I, «Sensors, nanotechnology and applications » 2004-2007, budget € 50.000
- ΕΠΕΑΕΚ Αρχιμήδης ΙΙ. «Ανάπτυξη υμενίων ZnO για χρήσεις αισθητήρων οξειδωτικών αερίων» ΕΠΕΑΕΚ Archimedes ΙΙ, “Growth of ZnO thin films for gas sensor applications”, 2005-2007, budget € 50.000
- ΕΠΕΑΕΚ Αρχιμήδης “Design And Fabrication Of Nanostructured Hybrid Solar Cells With Improved Performance” 2012-2014 budget € 50.000
- ΕΠΕΑΕΚ Αρχιμήδης “Growth And Characterization Of Novel Nanostructured Layers Suitable For The Confinement Of Ghz Electromagnetic Radiation” 2012-2014 budget € 50.000
- ΕΠΕΑΕΚ Αρχιμήδης “Electrochromic Low Cost Advanced Window” 2012-2014 budget € 50.000
- POLYDIAGNO (project code 11SYN-7-1503), which is a research project implemented through the Operational Program “Competitiveness and Entrepreneurship”, Action “Cooperation 2011” and is co-financed by the European Union (European Regional Development Fund) and Greek national funds (National Strategic Reference Framework 2007 - 2013). POLYDIAGNO is a research project focused on the monitoring and diagnosis of polymer based outdoor insulators used in high voltage applications, with a budget of over 0.5 M € and the research scheme includes HEDNO (Talos), the Technological Educational Institute of Crete, the Foundation for Research and Technology-Hellas and ENTEC Green Economy Consultant.
<http://sinergasia.iesl.forth.gr/index.php/en/>

Romanian National Projects

- **“Multifunctional advanced materials onto flexible substrates for electronic circuits and devices applications/Materiale avansate multifuncționale pe suport flexibil pentru integrare in dispozitive electronice pliabile”** Mobility grant of the Romanian National Authority for Scientific Research, CNCS – UEFISCDI, Researcher mobility projects (PN-III-DCD-RU-MC-2019-3). PN-III-P1-1.1-MC-2019-1806 contract nr 289/12/11/2019 UEFISCDI.
- Consolidarea **EXCELE**nteii IMT in domeniul micro-nano tehnologiilor inovative si sistemelor inteligente in vederea creșterii impactului asupra domeniilor prioritare de specializare inteligente si de prioritate publica” – EXCEL-IMT, Contract no. 13PFE/16.10.2018.
- **VARDIMTECH** „Paradigme tehnologice în sinteza și caracterizarea structurilor cu dimensionalitate variabilă” PN-III-P1-1.2-PCCDI- 2017-0152, contract no 75 PCCDI/2018 of the Romanian National Authority for Scientific Research, CNCS – UEFISCDI (01.01.2019–30.09.2020)
- **“EcoReclama”** Innovation check project - PN-III-P2-2.1-CI-2018-1112 contract no 190 CI of the Romanian National Authority for Scientific Research, CNCS – UEFISCDI (25.07.2018-31.12.2018) Project director for IMT Bucharest.
- **“Graphene based organic and hybrid organic solar cells”** Mobility grant of the Romanian National Authority for Scientific Research, CNCS – UEFISCDI, project number PN-III-P1-1.1-MC-2017-0190 - contract no 9/31.10. 2017; (30.11. 2017-08.01.2018) Project director
- **“Photocatalytic active nanostructured coatings on fabric substrates for applications in air purification systems”** grant of the Romanian National Authority for Scientific Research, CNCS – UEFISCDI, project number PN-II-RU-TE-2012-3-0202 (03.05. 2013-30.09.2016)
<http://www.chem.uaic.ro/~te0202/> - Project Manager
- **„Straturi subtiri si nanostructuri pentru celule solare avansate. Cercetare, comunicari stiintifice si popularizarea stiintei / Thin films and nanostructures for advanced solar cells. Research, scientific communication and science popularization”** project in the framework of „Sistem integrat de îmbunătățire a calității cercetării doctorale și postdoctorale din România și de promovare a rolului științei în societate”, POSDRU/159/1.5/S/133652 Postdoctoral fellowship in Physics Faculty@UAIC (July 2014- November 2015) - Individual fellowship granted by national competition <https://materialscomscie.wordpress.com/about/>

Interest Area and Expertise

- Metal oxide based materials for environmental and energy applications (photocatalysis, sensors, TCO electrodes, active coatings etc)
- Photocatalytic metal oxide materials and air/water/soil purification applications
- Transparent conductive electrodes for TFT's, photovoltaics, electrochromic and photochromic devices.
- Thin films growth by conventional evaporation, dc magnetron sputtering and PLD techniques.
- Chemical synthesis of metal oxide and metallic thin films and structures/nanostructures.
- Graphene oxide and reduced graphene oxide synthesis and applications. Graphene based composite materials for optical and sensing applications.
- Rubber composite materials for high voltage applications degradation/aging evaluation.
- Composite materials with germicide action.
- Structural and morphological characterization of thin films and nanostructured materials (AFM, SEM, TEM, HR-TEM, STEM, XRD, EDX, EELS, electron tomography). Optical characterization of thin films and nanostructured materials (UV-VIS, FTIR, photoluminescence). Electrical characterization of thin films and nanostructured materials (Hall measurements, I-V). Electron Microscopy characterization of biological samples.
- NanoArt, scientific photography

Teaching Experience

2005-2008 Teaching Assistant of Prof. G. Kiriakidis for Microscopy Laboratory (Optical Microscopy, Electron Microscopy SEM and TEM and AFM-STM)

2010-2013 External Lecturer Teaching part of the modules "Theory of Electrical Circuits" and "Electrical measurements" Laboratories. Various diploma theses co-supervision with Prof. E Koudoumas.

Oct 2013-present External/Joint Visiting Professor in Electrical Engineering Department, School of Applied Technology Technological Educational Institute of Crete 71004, Heraklion, Crete, Greece
Various diploma theses supervision in Electrical Engineering Department and in Mechanical Engineering Dpt. (collaborations with prof. A. Aerakis and prof. M. Petousis) and master theses in co-supervision with Prof. E Koudoumas. Teaching practical part in materials science related lessons in the Master Programs.

Sept 2018- present Lecturer (Electronics, Telecommunications and information technology faculty) - Polytechnic University of Bucharest, Bucharest, Romania.

Personal skills and competences

Mother tongue(s)

Romanian

Other language(s)

English very good, French good, Greek good and German basic

Computers

User OS Windows97, 2000, XP, Vista, 8, 10, Ubuntu,
Software: MS Office, CS5/6 Adobe, Origin, Igor, SPIP and various others specific to microscopy, spectroscopy data processing and data analysis.

Organisational skills and competences

Member of organising committees/scientific committees in

Member in organizing committee of 13rd International Conference on Physics of Advanced Materials ICPAM-13, will be held on September 24 – 30, 2021, at the Hotel Eden Roc by Brava Hoteles, Sant Feliu de Guixols, Costa Brava, Spain <https://icpam.ro/>

○Event chair of The 2nd International Workshop “Advances on Photocatalysis AdvPhotoCat-EE2021, ONLINE edition, 28-29th of June, 2021 <https://photocatalysis-workshop.eu/>

○Member of the Scientific Committee of Conference Innovative Manufacturing Engineering (IMANE 2021), October 21 – 23, 2021 hybrid edition, Iași, Romania <https://www.imane.ro/committees/>

○Member in the International Scientific Committee of the 3rd International Symposium CIMEE2020 Innovative Chemistry for Sustainable Environment Remediation, 17-19 September 2020 Lebanon <http://cimee-science.org/index.php/cimee20/>

○Member in local organizing committee of EuroNanoForum 2019 International conference, 12-14 June 2019, Bucharest, Romania www.euronanoforum2019.eu

○Member in local organizing committee of 12th International Conference on Physics of Advanced Materials ICPAM-12, Heraklion, Crete, Greece, 22-28th of September, 2018. <https://www.icpam.ro/local-organizing-committee/>

○Curator of The 5th NanoArt International Festival Heraklion, Crete, Greece, 22-28th of September, 2018. http://nanoart21.org/nanoart_festival.html

○Member in the International organizing committee of 3rd ISE Satellite Student Regional Symposium on Electrochemistry «Promising Materials and Processes in Applied Electrochemistry» Kiev, Ukraine on April 18, 2018. <http://en.isestudents.knutd.edu.ua/organizing-committee/>

○Event chair of The 2nd International Workshop “Advances on Photocatalysis AdvPhotoCat-E2017, Heraklion, Crete, Greece, 14–16th of July, 2017 <http://www.photocatalysis-workshop.com/>

○Member in International organizing committee of 2nd ISE Satellite Student Regional Symposium on Electrochemistry «Promising Materials and Processes in Applied Electrochemistry» Kiev, Ukraine on May 18-19, 2017 <http://en.isestudents.knutd.com.ua/organizing-committee>

○Curator of The 4th NanoArt International Festival Babes-Bolyai University of Cluj-Napoca, Romania, from 8th to 14th of September, 2016 http://nanoart21.org/nanoart_festival.html

○Innovative Manufacturing Engineering & Energy International Conference (IManEE 2016) September 23-25, 2016 Kallithea Chalkidiki, Greece <http://www.imane.ro/conference-committees>

○11th International Conference on Physics of Advanced Materials ICPAM-10, Babes-Bolyai University of Cluj-Napoca, Romania, from 8th to 14th of September, 2016. www.icpam.ro

○International Conference "Science in Technology" (SCinTE 2015), 5-7 November 2015, Athens, Greece <http://www.scinte.gr/>

○Founder of The 1st International Workshop “Advances on Photocatalysis AdvPhotoCat2015, Iasi, Romania, 6–8th of July, 2015 <http://www.photocatalysis-workshop.com/>

○Conference Innovative Manufacturing Engineering (IMANE 2015), May 21-22 2015, Iași, Romania <http://2015.imane.ro/conference-committees/>

○10th International Conference on Physics of Advanced Materials ICPAM-10, Alexandru Ioan Cuza University of Iasi, Romania, September 22 - 28 2014 www.icpam.ro

○Curator of The 3rd NanoArt International Festival Alexandru Ioan Cuza University of Iasi, Romania, September 22 - 28 2014 http://nanoart21.org/nanoart_festival.html

○Founder of Art, Science Photography International Contest and Exhibition <https://www.facebook.com/artscience2014contestro/>

○Conference Innovative Manufacturing Engineering (IMANE 2014), May 29-30 2014, Chișinău, Moldova Republic

○2nd Int'l. Symposium on Transparent Conducting Oxides, Hersonissos, Crete, October 22-26, 2008

○1st International Symposium on Transparent Conducting Oxides, 23 - 25

Technical skills and competences

- **External Evaluator** for NSF Qatar Association since 2015. Appointed in evaluation of proposals in call 2019.
- **External Evaluator** for COST Association since 2015. Appointed in evaluation of proposals in Calls 2016, 2019, 2020.
- **Member of ECN (European Consulting Network)** – Mirela Suchea <https://www.ecn-eu.com/browse-members/name/m/page/69>
- **Reviewer** for various Journals: Textile Research Journal, Thin solid films, Applied Surface Science, Sensors and Actuators B Chemical, European Journal of Applied Physics, Japanese Journal of Applied Physics, Journal of Vacuum Technology, Applied Physics A: Materials Science and Processing, Materials Science and Engineering B: Solid-State Materials for Advanced Technology, International Journal of Nanotechnology, Journal of Solid State Chemistry, Journal of Physics C: Solid State Physics etc.
- **Reviewer** for Elsevier Books Editors
- **Member in Editorial Board of various Q1 and Q2 journals**
- **Editorial Board Member of "Surfaces and Interfaces" Elsevier Journal** <https://www.journals.elsevier.com/surfaces-and-interfaces/editorial-board>.
- **Guest Editor:**
 - § Special Issue "**Novel Nanocomposites: Optical, Electrical, Mechanical and Surface Related Properties**", Nanomaterials (ISSN 2079-4991). This SI belongs to the section "Nanocomposite Materials". Deadline: 31 July 2021. https://www.mdpi.com/journal/nanomaterials/special_issues/novel_nanocomposites_properties
 - § Special Issue "**Strain and Structural Defects in Nanomaterials**", Crystals (ISSN 2073-4352). This SI belongs to the section "Inorganic Crystalline Materials". Deadline: 31 July 2021. https://www.mdpi.com/journal/crystals/special_issues/strain_structural_defects_nanomaterials
 - § Special Issue "**Advances in photocatalysis**" - AdvPhotoCat2021", Elsevier *Surfaces and Interfaces* journal (ISSN: 2468-0230). Deadline: 1st of September 2021 <https://www.journals.elsevier.com/surfaces-and-interfaces/news/call-for-papers-special-issue-on-advances-in-photocatalysis>
 - § Special Issue "**Multifunctional Nanostructured Materials for Next Generation Photovoltaics**", Applied Sciences (ISSN 2076-3417). This SI belongs to the section "Nanotechnology and Applied Nanosciences". Deadline: 20 September 2021. https://www.mdpi.com/journal/applsci/special_issues/Multifunctional_Nano_Materials_Photovoltaics
 - § Special Issue "**Nanostructured Materials for Supercapacitors and Energy Storage Devices**", Molecules (ISSN 1420-3049). This SI belongs to the section "Electrochemistry". Deadline: 31 December 2021. https://www.mdpi.com/journal/molecules/special_issues/nano_supercapacitor_energy_storage
- **Member in Editorial Board** of Conference Series in Materials Science Journal <http://www.cpis.com/journals/ms/editors/>
- **Member in Editorial Board** of ISRN Biomedical Imaging <http://www.hindawi.com/isrn/biomedical.imaging/editors/>
- **Member in Editorial Board** of Journal of Chemistry and Chemical Engineering <http://www.ethanpublishing.com/index.php?m=content&c=index&a=lists&catid=173>

Publications

Patents

Romanian national patent application no A/00981/2018 “*SISTEM PENTRU UTILIZAREA RECLAMELOR LUMINOASE TRIDIMENSIONALE DE INTERIOR SI IN SCOPUL PURIFICARII AERULUI/ System for using 3D indoors advertising lightening panels for air purification*” published in RO-BOPI 5/2019 30.05.2019. Authors M. P. Suche, I.V. Tudose, O.N. Ionescu and L. Pacuraru.

Romanian national patent application no A/00015/12.01.2017 OSIM “*DISPOZITIV FOTOCATALITIC PENTRU DEPOLUAREA AERULUI ÎN SPAȚII INTERIOARE*” (Photocatalytic device for indoor air purification)
Authors: Suche M P and Tudose I V.

Books and book chapters

1. Book Elsevier in "**Metal Oxides**" series M.P. Suche, P. Pascariu, E. Koudoumas (eds.) Transparent conductive oxides – from basics to future challenges To be published in 2022
<https://www.researchgate.net/project/Elsevier-Metal-Oxides-series>
2. Micro and Nano Technologies Series by Elsevier “**Functional nanostructured interfaces for environmental and biomedical applications**” Editors V Dinca and *M Suche* Book by Elsevier 978-0-12-814401-5 – 2019

3. Special Issues in ISI Journals:

§ Special Issue "**Novel Nanocomposites: Optical, Electrical, Mechanical and Surface Related Properties**", Nanomaterials (ISSN 2079-4991). This SI belongs to the section "Nanocomposite Materials". Deadline: 31 July 2021.

https://www.mdpi.com/journal/nanomaterials/special_issues/novel_nanocomposites_properties

§ Special Issue "**Strain and Structural Defects in Nanomaterials**", Crystals (ISSN 2073-4352). This SI belongs to the section "Inorganic Crystalline Materials". Deadline: 31 July 2021.

https://www.mdpi.com/journal/crystals/special_issues/strain_structural_defects_nanomaterials

§ Special Issue "**Advances in photocatalysis**" - AdvPhotoCat2021", Elsevier *Surfaces and Interfaces* journal (ISSN: 2468-0230). Deadline: 1st of September 2021

<https://www.journals.elsevier.com/surfaces-and-interfaces/news/call-for-papers-special-issue-on-advances-in-photocatalysis>

§ Special Issue "**Multifunctional Nanostructured Materials for Next Generation Photovoltaics**", Applied Sciences (ISSN 2076-3417). This SI belongs to the section "Nanotechnology and Applied Nanosciences". Deadline: 20 September 2021.

https://www.mdpi.com/journal/applsci/special_issues/Multifunctional_Nano_Materials_Photovoltaics

§ Special Issue "**Nanostructured Materials for Supercapacitors and Energy Storage Devices**", Molecules (ISSN 1420-3049). This SI belongs to the section "Electrochemistry". Deadline: 31 December 2021.

https://www.mdpi.com/journal/molecules/special_issues/nano_supercapacitor_energy_storage

§ Micro and Nano Technologies Series by Elsevier “**Functional nanostructured interfaces for environmental and biomedical applications**” Editors V Dinca and *M Suche* Book by Elsevier 978-0-12-814401-5 – 2019

§ Applied Surface Science Special Issue on Advances on Photocatalysis - the 2nd International Workshop Edited by Dr. Felicia Iacomi, *Dr. Suche Mirela Petruta*, Prof. Dr. Katsarakis Nikolaos 20 July 2017

<https://www.sciencedirect.com/journal/applied-surface-science/special-issue/10KS38XWL7M>

Book Chapters:

- *Mirela Suche*, Ioan Valentin Tudose, Petronela Pascariu and Emmanuel Koudoumas “Carbon based nanocomposites for EMI Shielding –Recent Advances” Chapter 12 in “*Materials for Potential EMI Shielding Applications*” 1st Edition Book by Elsevier 6th November 2019 Paperback ISBN: 9780128175903 eBook ISBN: 9780128175910

- **Mirela Suche**, Ioan Valentin Tudose, Stefan Bucur, Valentina Dinca and Laurentiu Rusen “Functional nanostructured interfaces for environmental and biomedical applications” Chapter 1 “*Multifunctional Nanostructured Interfaces: Origin and Challenges for biomedical and environmental applications*” Book by Elsevier 978-0-12-814401-5 - 2019
- Ioan Valentin Tudose, Florin Comanescu, Petronela Pascariu, Stefan Bucur, Laurentiu Rusen, Felicia Iacomi, Emmanouel Koudoumas and **Mirela Suche** “Functional nanostructured interfaces for environmental and biomedical applications” Chapter 2 “*Chemical and physical methods for Multifunctional Nanostructured Interfaces fabrication*” Book by Elsevier 978-0-12-814401-5 – 2019
- Ioan Valentin Tudose, Emmanouel Koudoumas, Cristina Pachi, Florin Comanescu, Valentina Dinca, Laurentiu Rusen, Petronela Pascariu and **Mirela Suche**. “Functional nanostructured interfaces for environmental and biomedical applications” Chapter 9 “*Graphene Based Materials and their biomedical and environmental Applications –Recent Advances*” Book by Elsevier 978-0-12-814401-5 – 2019
- Ioan Valentin Tudose, Narcisa Vrinceanu, Cristina Pachi, Stefan Bucur, Petronela Pascariu, Laurentiu Rusen, Emmanouel Koudoumas and **Mirela Suche** “Functional nanostructured interfaces for environmental and biomedical applications” Chapter 11 “*Nanostructured ZnO based materials for biomedical and environmental applications*” Book Elsevier 978-0-12-814401-5 - 2019
- Petronela Pascariu, Anton Airinei, Felicia Iacomi, Stefan Bucur, **Mirela Suche**. “Functional nanostructured interfaces for environmental and biomedical applications” Chapter 12 “*Electrospun TiO2 Based Nanofibers Composites and their Bio-Related and Environmental Applications*” Book by Elsevier 978-0-12-814401-5 - 2019
- **Mirela Suche**, Ioan Valentin Tudose, Emmanouel Koudoumas, Viorel Tigianescu and Irina Codita. “Functional nanostructured interfaces for environmental and biomedical applications” Chapter 13 “*TiO2 based nanostructured materials with germicidal properties and other applications in biomedical fields*” Book by Elsevier 978-0-12-814401-5 - 2019
- Petronela Pascariu, Emmanouel Koudoumas, Valentina Dinca, Laurentiu Rusen and **Mirela Petruta Suche**. “Functional nanostructured interfaces for environmental and biomedical applications” Chapter 14 “*Applications of metallic nanostructures in biomedical field*” Book by Elsevier 978-0-12-814401-5 - 2019.
- D. Louloudakis, D. Vernardou, **M. Suche**, D. Davazoglou, and E. Koudoumas “The effect of growth time on the properties of LPCVD grown WO₃ thin layers for electrochromic applications” Chapter in “Promising Materials And Processes In Applied Electrochemistry” Monograph, Kiev 2017, ISBN 978-966-7972-79-0
- Narcisa Vrinceanu, Dănuț Dumitru Dumitrașcu, Eveline Popovici, **Mirela Petruta Suche**, Gianina Broasca, Nicoleta Dumitrascu, Gabriela Borcia, Claudia Mihaela Hristodor, Diana Ecaterina Tanasa, Alexandra Nistor (Bârgan), Diana Coman, Mihai Ciocoiu, Daniela Farima and Cristina Rimbu, “Lucian Blaga” University of Sibiu, Romania, “Al.I.Cuza” University of Iasi, Romania, and others; Chapter 1 Experimental Procedures “Novel Approach of Added-Value Zinc Oxide Powders for Polymeric Fibrous Matrices with Engineered Architectures for High Performance Textiles” Nova Science Publishers, Ltd. (New York – USA). **Publication date:** Date: 2015 - 3rd Quarter, **ISBN** : 978-1-63483-432-2; pp. 1-22.
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- Eveline Popovici, Narcisa Vrinceanu, **Mirela Suche** “The nanostructured materials contribution in the enhancement of the performance attributes of the textile materials” Handbook “Comprehensive guide for mesoporous materials” Nova Science Publishers, Ltd. (New York – USA). **Publication date:** 6 April 2015, **ISBN 10:** 1634639588; **ISBN 13:** 9781634639583

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3. V. Tudose, P. Pascariu, C. Pachiu, F. Comanescu, M. Danila, R. Gavrilă, E. Koudoumas, M. Suchea, “Comparative study of Sm and La doped ZnO properties” IEEE International Semiconductor Conference - CAS 2018, Pages 245-248.
4. Ioana-Maria Giura, Cristina Pachiu, Marian Popescu, Bogdan Bită, Octavian Narcis Ionescu and Mirela Suchea, “Methods for Art Preservation and Restauration. Identification of parameters for potential monitoring the temporal evolution of putties” IEEE International Semiconductor Conference - CAS 2018, Pages 291-294.
5. P. Pascariu, I. V. Tudose, C. Pachiu, M. Danila, O. Ionescu, M. Popescu, E. Koudoumas, M. Suchea “Graphene and TiO₂ - PVDF nanocomposites for potential applications in triboelectronics” IEEE International Semiconductor Conference - CAS 2018, Pages 237-240.
6. P. Pascariu, I.V. Tudose, C. Pachiu, M. Danila, O. Ionescu, E. Koudoumas, M. Suchea, “Electrospinning fabricated novel graphene and TiO₂ - PVDF nanocomposites”, *Proceedings of International conference “Expert Evaluation and Control of Compounds of Semiconductor Materials and Technologies” EXMATEC2018*, May 2018.
7. P. Pascariu, I.V. Tudose, C. Pachiu, M. Danila, R. Gavrilă, E. Koudoumas, M. Suchea, “Comparative study of structural and optical properties of Sm and La doped ZnO”, *Proceedings of International Workshop on Compound Semiconductor Devices and Integrated Circuits held in Europe WOCSDICE2018*, May 2018.
8. https://er.knutd.edu.ua/bitstream/123456789/8813/1/Promising2017_P190-199.pdf
9. I V. Tudose and M. Suchea “ZnO for photocatalytic air purification applications” *International Conference on Innovative Research 2016 - ICIR Euroinvent 2016* IOP Publishing.
10. Mirela Suchea, Ioan Valentin Tudose, Felicia Iacomi, Emmanouel Koudoumas “Metal oxide based smart materials” 2nd CommScie International Conference “Challenges for Sciences and Society in Digital Era” Iași, December 4th–5th, 2015.

11. M. Suchea, I. V. Tudose, F. Iacomi and E. Koudoumas, „Nanostructured metal oxides for energy and environmental applications” <http://www.scinte.gr/abstracts/4%20Materials%20&%20Micro-nano%20Technology/SCinTE-196-A04-111.pdf>

Conferences:

Invited presentations

1. M. Suchea “ZnO and TiO₂ based photocatalytic materials for air and water purification applications”, CIMEE20, Third International Symposium, September 17-19, 2020 Lebanon <https://cimee-science.org/index.php/cimee20/>
2. M. Suchea, C. Pachi, F. Comanescu, P. Pascariu, M. Popescu, I. V. Tudose, E. Koudoumas, “Raman microscopy and spectroscopy studies of graphene/TiO₂/PVDF composite fibers” T10-I3 in 12-th International Conference on Physics of Advanced Materials, September 22-28, 2018, Heraklion, Greece.
3. P. Pascariu, I. V. Tudose, C. Pachi, M. Danila, M. Popescu, E. Koudoumas, **M. Suchea**, “Novel graphene and TiO₂ - PVDF nanocomposites—fabrication and properties”, Bucharest University Faculty of Physics 2018 Meeting, June 2018, Bucharest, Romania <http://fizica.unibuc.ro/SSFFB/Abstract.php?AbstractID=2146957736>
4. Mirela Șucăea – “Știință și Artă în Universul Micrometric” Invited public presentation at “Complexul Muzeal Național „Moldova” Iași” – Science and Technology Museum „Ștefan Procopiu” and „Aliance of Educators for Science, Technology, Engineering, Mathematics and Informatics” – ESTEEM Association România in „Seratelor Procopiu de la Palat” Serie, 18 January 2018, “Palatul Culturii din Iasi” <http://esteem.faculty.ro/mirela-sucăea-stiinta-si-arta-in-universul-micrometric/>
5. Mirela Suchea “ZnO as photocatalytic material for constructions applications” Invited presentation in Photocatalytic and Superhydrophilic Surfaces Workshop, PSS2015 September 10-11th, University of Minho, Guimares, Portugal <http://www3.fisica.uminho.pt/pss2015/> .
6. M. Suchea “Material functionality tailored by nano-structuring: Case study ZnO” Invited talk in “Nanoscience in Chemistry, Physics, Biology and Mathematics” NANOMATHCHEM2015, November 12-14 2015, Cluj-Napoca, Romania.
7. M. Suchea „Photocatalytic Materials for Constructions Applications”, Conference Innovative Manufacturing Engineering (D Symposium: Advanced Materials and Construction Technologies), May 29-30 2014, Chișinău, Moldova Republic. <http://www.imane.ro/conference-program/>
8. M. Suchea, I.V.Tudose, N. Vinceanu, E. Koudoumas, “Comprehensive overview of recent biomedical applications of nano-structured zinc oxide” International Seminar on Biomaterials & Regenerative Medicine BioReMed’2013 and National Symposium on Biomaterials IX-th edition Iași, 30 May – 02 June 2013 <http://www.srb.ro/documents/Pliant-SNB-2013-2.pdf>
9. M. Suchea “Ethics of Scientific Research” invited talk in Round Table “Education And Professional Formation To Support Economic Growth And Development Based On Knowledge” ESF founded event in the framework of the project POSDRU/89/1.5/S/49944, 4-th November 2010, Iasi, Romania.
10. M. Suchea, I.V. Tudose, D. Vernardou, G. Kenanakis, E. Kymakis, N. Katsarakis, K. Savvakis and E. Koudoumas “Nanostructured metal oxide surfaces as active layers for smart windows and solar energy devices” The 2-nd National Conference with International participation on Nanostructured Multifunctional Materials NMM – 2010, 4 – 5 November 2010, Iași, Romania

Oral presentations

1. P. Pascariu, M. Suchea, “Evaluation of fibrous composites based on synthetic polymers reinforced with inorganic nanoparticles as oil spill sorbents” T10-O4 in 12-th International Conference on Physics of Advanced Materials, September 22-28, 2018, Heraklion, Greece.

2. M. Popescu, C. Ungureanu, F. Nastase, M. Banu, V. Tucureanu, M. Sucheal, "Antibacterial properties of cellulose-based fibers covered with ZnO and Al₂O₃ thin films" T9-O1 in 12-th International Conference on Physics of Advanced Materials, September 22-28, 2018, Heraklion, Greece.
3. N. Vrinceanu, M. Sucheal, C. M. Rimbu, D. Coman, N. Ouerfelli, "Approach regarding the antibacterial responsive attitude of some composites consisting of micro/mesoporous (Ag⁺)Ag₀ /support" T9-O5 in 12-th International Conference on Physics of Advanced Materials, September 22-28, 2018, Heraklion, Greece.
4. L. Punga, A. Popa, D. Toloman, C. Grosan, L. Barbu-Tudoran, A. Bele, M. Sucheal, M. Cazacu, D. Timpu, P. Prepelita, V. Craciun, T. Tropin, F. Iacomi, "Synthesis and characterization of some graphene/PDMS nanocomposites" T6-O6 in 12-th International Conference on Physics of Advanced Materials, September 22-28, 2018, Heraklion, Greece.
5. P. Pascariu, I.V. Tudose, C. Pachiu, M. Danila, O. Ionescu, E. Koudoumas, M. Sucheal, "Electrospinning fabricated novel graphene and TiO₂ - PVDF nanocomposites", International conference "Expert Evaluation and Control of Compounds of Semiconductor Materials and Technologies" EXMATEC2018, Bucharest, Romania, 16-18 May 2018.
6. P. Pascariu, I.V. Tudose, C. Pachiu, M. Danila, R. Gavrilă, E. Koudoumas, M. Sucheal, "Comparative study of structural and optical properties of Sm and La doped ZnO", International Workshop on Compound Semiconductor Devices and Integrated Circuits held in Europe WOCSDICE2018, Bucharest, Romania, 14-16 May 2018
7. Petronela Pascariu, Aurelian Carlescu, Liviu Leontie and Mirela Sucheal, "Nanocomposites based on Ni/Polythiophene: structure and electrochemical properties", presented in 16th International Conference on Global Research and Education, September 25-28, 2017.
8. Petronela Pascariu Dorneanu, Ioan Valentin Tudose, Mirela Sucheal, Emmanouel Koudoumas, Anton Airinei and Nicusor Fifere, "Preparation And Characterization Of Ni, Co Doped ZnO Nanoparticles Obtained By Sol Gel Method", presented in The 9th International Conference On Advanced Materials (ROCAM), July 11-14, 2017.
9. F. Iacomi, L. Punga, A. Popa, D. Toloman, G. G. Rusu, A. Bele, M. Sucheal, M. Cazacu, D. Timpu, T. Tropin: "Hybrid nanocomposites for advanced applications" 3rd International Summer School and Workshop "Complex and Magnetic Soft Matter Systems: Physico-Mechanical Properties and Structure" Dubna, Russian Federation 28-30 June 2017 <http://cmsms.jinr.ru/2017/index.php>.
10. M. Sucheal and I V Tudose "ZnO based materials for indoor air purification system" 11th International Conference on Physics of Advanced Materials ICPAM-10, Babes-Bolyai University of Cluj-Napoca, Romania, from 8th to 14th of September, 2016. <https://www.icpam.ro/files/BoA-ICPAM11.pdf> pg 56
11. I V. Tudose and M. Sucheal "ZnO for photocatalytic air purification applications" International Conference on Innovative Research 2016 - ICIR Euroinvent 2016, Iasi, Romania.
12. Alin C. Dirtu, Dan Maftai, Mihai Dumitras, Adrian Covaci, Mirela Sucheal, "Influence of the chromatographic analysis of flame retardants on the estimation of human exposure to organohalogenated compounds" "Nanoscience in Chemistry, Physics, Biology and Mathematics" NANOMATHCHEM2015, November 12-14 2015, Cluj-Napoca, Romania.
13. M. Sucheal, I. V. Tudose, F. Iacomi and E. Koudoumas, "Nanostructured metal oxides for energy and environmental applications". Materials & Micro-nano Technology in International Conference "Science in Technology" (SCinTE 2015), Athens on 5-7 November 2015.
14. Mircea V. Diudea, Beata Szeffler, Ioan Valentin Tudose, Mirela Petruta Sucheal, "C₆₀ aggregation, between modeling and realization" 10th International Conference on Physics of Advanced Materials ICPAM-10, Alexandru Ioan Cuza University of Iasi, Romania, September 22 - 28 2014 www.icpam.ro
15. M. Sucheal, I.V.Tudose, N. Vinceanu, E. Koudoumas, *Invited* "Comprehensive overview of recent biomedical applications of nano-structured zinc oxide" International Seminar on Biomaterials & Regenerative Medicine BioReMed'2013 and National Symposium on Biomaterials IX-th edition Iași, 30 May – 02 June 2013

16. Narcisa Vrinceanu, Diana Tanasa, Claudia Mihaela Hristodor, Mirela Petruta Sucheana, Eveline Popovici, Florin Brinza, Diana Coman, Gianina Broasca, "Photocatalytic attributes of inorganic fibrous substrates", 14th JCF-Frühjahrssymposium, Rostock, Germany.
17. N. Vrinceanu, M. P. Sucheana, E. Popovici, F. Brinza, C. M. Hristodor, D. Coman, "Photocatalytic oxidic nano-coating of inorganic fibrous substrates", 10th International Conference on Global Research and Education, 26- 29 September, 2011, Sucevita, Romania
18. M. Sucheana, S. Christoulakis, C. Tibeica, E. Koudoumas, T. Kitsopoulos, G. Kiriakidis "Thickness and growth temperature influence on ZnO thin films properties: stress behaviour" 2-nd International Symposium on Transparent Conducting Oxides, IS-TCO08, 21 - 26 October, 2008 Hersonissos, Crete, Greece 2008.
19. G. Kiriakidis, M. Sucheana, S. Christoulakis, I.V. Tudose, T.Kitsopoulos «Enhancement of hydrophilic to hydrophobic conversion of TiO₂ and Ti(Nb)O₂ thin films grown by dc magnetron sputtering: thickness control» O132 2-nd International Symposium on Transparent Conducting Oxides, IS-TCO08, 21 - 26 October, 2008 Hersonissos, Crete, Greece 2008
20. P. Horvath, S. B. Sadale, M. Sucheana, S. Christoulakis, R. Voicu, C. Tibeica, I. Bineva, R. Muller, T. Kitsopoulos, and G. Kiriakidis" ZnO Thin Films for Cantilever Coatings: Structural and Mechanical Properties, Observations of Photoplastic Effect", Symposium "Functional Organic and Inorganic Materials for Micro and Nano Bio-Sensing Systems" of the EMRS Spring Meeting 2007
21. M. Sucheana, S. Christoulakis, I.V. Tudose, D. Vernardou, M.I. Lygeraki, S.H. Anastasiadis, T. Kitsopoulos and G. Kiriakidis " Pure and Nb₂O₅-doped TiO₂ amorphous thin films grown by dc magnetron sputtering at room temperature: Surface and photo-induced hydrophilic conversion studies" EMRS 2007, Symposium H: Nanoscale Tailoring of Defect Structures for Optimized Functional and Multifunctional Oxide Films
22. M. Sucheana, S. Christoulakis, D. Dovinos, G. Kiriakidis, I. Stoimenos, "Structural characterization of ZnO thin films deposited by dc magnetron sputtering for ozone sensing applications" 1st International Symposium on Transparent Conducting Oxides, 23 - 25 October, 2006 Hersonissos, Crete, Greece
23. G.Kiriakidis, D. Dovinos, M. Sucheana, "Nanostructured metal oxide thin films for gas sensors" E-MRS 2006 Fall Meeting, Warsaw, Poland, September 4-8, 2006.
24. M Sucheana, S Christoulakis, N. Katsarakis and G. Kiriakidis "Comparative study of ZnO and Al-doped ZnO transparent thin films grown by DC magnetron sputtering" EMRS Spring Meeting 29-2 June 2006, Nice, France.
25. M. Sucheana, S. Christoulakis, I.V. Tudose, D. Vernardou, M.I. Lygeraki, S. H. Anastasiadis, N. Katsarakis, G. Kiriakidis "Pure and Nb₂O₅ doped TiO₂ amorphous thin films grown by dc magnetron sputtering at room temperature: surface and photoinduced hydrophilic conversion studies" »International Conference on Coatings on Glass and Plastics«. June 18-22 Dresden/Germany. <http://www.iccg6.de/>
26. S. Christoulakis, M. Sucheana, N. Katsarakis, G. Kiriakidis "Comparative study on the behavior of Zn and ZnO based targets during dc magnetron sputtering thin films growth process" »International Conference on Coatings on Glass and Plastics«. June 18-22 Dresden/Germany. <http://www.iccg6.de/>
27. M. Sucheana, N. Katsarakis, S. Christoulakis, T. Kitsopoulos, G. Kiriakidis, "Metal oxide thin films as high sensitive gas sensors for ozone detection" International Conference Instrumental Methods of Analysis and Modern Trends and Applications (IMA05), Heraklion, Crete, Greece, 2-6 October 2005.
28. M Sucheana, S Christoulakis, K Moschovis, N Katsarakis and G Kiriakidis, "Nanostructured ZnO and ZAO transparent thin films for gas sensing" NN 2005 International Conference in Nanomaterials and Nanotechnology, Crete, Greece; 14 – 18 June, 2005.
29. M. Sucheana, G. Kiriakidis, C. Mateescu, "Nanostructured materials and microdevices for food and agricultural applications" The XIth Edition of the Symposium on Science, Processes and Food Technologies "SAFE FOOD ALL OVER EUROPE", Timisoara, Romania, 26-27 May, 2005.

30. M. Suchea, M. Katharakis, S. Christoulakis, N. Katsarakis, G. Kiriakidis, “Surface Analysis of ZnO Transparent Thin Films”, 2nd International Conference on Microelectronics, Microsystems and Nanotechnology (MMN 2004), Athens, Greece, 14-17 November 2004.
31. M. Suchea, G. Kiriakidis, “Correlation of Surface Characteristics of In and Zn Oxides by AFM”, 27th International Semiconductor Conference, CAS, Sinaia, Romania, 4-6 October 2004.

Posters

1. C Pachiu, M Carp, K. Mouratis, I.V. Tudose, C. Romanitan, O. Tutunaru, E. Koudoumas and M. Suchea “ AFM studies on surface morphology evolution after annealing of V2O5 thin films grown by spray pyrolysis” 2020 International Semiconductor Conference (CAS)
2. I. V. Tudose , P. Pascariu , C. Pachiu, F. Comanescu, M. Danila, R. Gavrilă, E. Koudoumas, M. Suchea “Comparative study of Sm and La doped ZnO properties” 2020 International Semiconductor Conference (CAS)
3. P. Pascariu, I. V. Tudose, C. Pachiu, E. Koudoumas, M. Suchea, “Transparent Fe doped ZnO thin films fabricated by spray deposition properties” “Comparative study of Sm and La doped ZnO properties” 2020 International Semiconductor Conference (CAS)
4. P. Pascariu, I.V. Tudose, D. Vernardou, E. Koudoumas, O.N. Ionescu, M. Suchea “SnO2 and Ni Doped SnO2/Polithiophene Nanocomposites for Gas Sensing Application” NANOPOSTER 2020 - 9th Virtual Nanotechnology Conference, on line event 20-26 April 2020. <https://www.nanopaprika.eu/groups/nanoposter2020/forum/np2020-048>
5. K. Mouratis, I. V. Tudose, M. Kirmizaki, C. Pachiu, C. Romanitan, F. Comanescu, O.N. Ionescu, S. Couris, E. Koudoumas, M. Suchea “Spray Deposited V2O5 Conductive Thin Films for Electrochromic Devices” ” NANOPOSTER 2020 - 9th Virtual Nanotechnology Conference, on line event 20-26 April 2020 <https://www.nanopaprika.eu/groups/nanoposter2020/forum/np2020-047>.
6. C Pachiu, M Carp, A Radoi, R Popa, **M Suchea**, O Tutunaru “Direct writing of Prussian blue patterns down to micrometer scale: preliminary tests results” 2019 International Semiconductor Conference (CAS) IEEE 41-44
7. A Maniadi, M Vamvakaki, M Petousis, N Vidakis, M Suchea, M Sevastaki, Z Viskadourakis, G Kenanakis, E Koudoumas “Effect of Zinc Oxide concentration on the dielectric properties of 3D Printed Acrylonitrile Butadiene Styrene nanocomposites” 2019 International Semiconductor Conference (CAS) IEEE 221-224.
8. M. Suchea, I. V. Tudose, C. Pachiu, P. Pascariu, A.Dinescu, E. Koudoumas, “Photocatalytic metal oxide material for air purification applications” EuroNanoForum 2019, June 12-14, 2019, Bucharest, Romania.
9. Petronela Pascariu and Mirela Suchea, “ Photocatalytic activity of rare earth (La, Er, Sm) doped ZnO nanostructures under UV irradiation for Congo-Red dye degradation” EuroNanoForum 2019, June 12-14, 2019, Bucharest, Romania.
10. I. V. Tudose, C. Pachiu, P. Pascariu, S. Mihaila, M. Popescu, O.N. Ionescu, E. Koudoumas, M. Suchea, “ Novel graphene/TiO2/PVDF composite nano and micro fibers fabrication and properties” - Symposium U “Hybrid composites incorporating low dimension materials for sensors and clean energy applications” in Spring Meeting of the European Materials Research Society (E-MRS), held from May 27 to 31, 2019, in Nice, France (Congress & Exhibition Centre Acropolis).
11. M. Suchea , V. Dediu, C. Pachiu, M. A. Dinescu, F. Comanescu, O. Ionescu, C. Obreja, I. V. Tudose, E. Koudoumas, “ TiO2 based coatings onto textile substrates for air purification applications” - Symposium H “Materials for applications in photocatalysis and photoconversion” in Spring Meeting of the European Materials Research Society (E-MRS), held from May 27 to 31, 2019, in Nice, France (Congress & Exhibition Centre Acropolis).
12. Oana Tatiana Nedelcu, Mirela Suchea, Titus Sandu, Ioan Valentin Tudose, Marian Popescu, Petronela Pascariu, Catalin Tibeica, “ Modelling and characterization of Al-doped zinc oxide as electrode material for microfluidic systems” - Symposium O “Synthesis, processing and characterization of nanoscale multi functional oxide films VII” in Spring Meeting of the European Materials Research Society (E-MRS), held from May 27 to 31, 2019, in Nice, France (Congress & Exhibition Centre Acropolis).
13. I. V. Tudose, P. Pascariu, C. Pachiu, F. Comanescu, M. Danila, R. Gavrilă, E. Koudoumas, M. Suchea, “Comparative study of Sm and La doped ZnO properties” International Semiconductor Conference - CAS 2018, an IEEE event, to be held October 10-12, 2018.
14. L. Punga, A. Popa, D. Toloman, A. Bele, M. Suchea, M. Cazacu, D. Timpu, T. Tropin, L. Popescu, F.Iacomi, “Study on Graphene-Reinforced Polymeric Nanocomposites” The 6th International Colloquium “Physics Of Materials” (PM 6)15-16 November, 2018 Bucharest, Romania.

15. Ioana-Maria Giura, Cristina Pachi, Marian Popescu, Bogdan Bit, Octavian Narcis Ionescu and Mirela Suche, "Methods for Art Preservation and Restauration. Identification of parameters for potential monitoring the temporal evolution of putties" International Semiconductor Conference - CAS 2018, an IEEE event, to be held October 10-12, 2018.
16. P. Pascariu, I. V. Tudose, C. Pachi, M. Danila, O. Ionescu, M. Popescu, E. Koudoumas, M. Suche "Graphene and TiO₂ - PVDF nanocomposites for potential applications in triboelectronics" International Semiconductor Conference - CAS 2018, an IEEE event, to be held October 10-12, 2018.
17. I V Tudose, P. Pascariu, C. Pachi, M. Danila, R. Gavril, M. Popescu, E. Koudoumas, M. Suche, "Dopant effect on ZnO thin films properties" T1-P1 in 12-th International Conference on Physics of Advanced Materials, September 22-28, 2018, Heraklion, Greece.
18. N. Vidakis, M. Petousis, A. Maniadi, M. Suche, E. Koudoumas, "Mechanical properties of ABS–Graphene and ABS-Carbon nanotubes nanocomposites developed with fused deposition modelling" T8-P2 in 12-th International Conference on Physics of Advanced Materials, September 22-28, 2018, Heraklion, Greece.
19. M. Suche, C. Obreja, V. Dediu, C. Pachi, M. A. Dinescu, F. Comanescu, O. Ionescu, I. V. Tudose, E. Koudoumas, "Metal oxides based coatings onto textile substrates for air purification applications" T3-P1 in 12-th International Conference on Physics of Advanced Materials, September 22-28, 2018, Heraklion, Greece.
20. P. Pascariu, M. Suche, "Effect of La doped ZnO ceramic nanostructures on optical and photocatalytic properties" T3-P3 in 12-th International Conference on Physics of Advanced Materials, September 22-28, 2018, Heraklion, Greece.
21. A. Maniadi, N. Vidakis, M. Petousis, G. Kenanakis, C. Pachi, M. Popescu, M. Suche, M. Vamvakaki, E. Koudoumas, "Graphene nanoplatelets / polymer nanocomposites: Basic characteristics and functional behavior of low density polyethylene" T8-P3 in 12-th International Conference on Physics of Advanced Materials, September 22-28, 2018, Heraklion, Greece.
22. P. Pascariu, A. Cârlescu, Liviu Leontie and M. Suche "Nanocomposites based on Ni/Polythiophene: structure and electrochemical properties" 16th International Conference on Global Research and Education September 25-28, 2017 Inter-Academia 2017 Iasi, Romania <http://langmuir.plasma.uaic.ro/iA2017/>.
23. M. Suche, I V. Tudose, N. Vrinceanu, L. Marin Biolan, E Koudoumas:" Photocatalytic device for air purification applications" AdvPhotoCat-E2017 The 2nd International Workshop "Advances on Photocatalysis" Heraklion-Crete, Greece, 14 – 16th of July, 2017 <http://www.photocatalysis-workshop.com>
24. A.Kaliakatsos, I.V. Tudose, M. Suche, E. Koudoumas and D. Venieri: "Photocatalytic Ag doped TiO₂ nano-coatings for biologic contaminants removal from waters" AdvPhotoCat-E2017 The 2nd International Workshop "Advances on Photocatalysis" Heraklion-Crete, Greece, 14 – 16th of July, 2017 <http://www.photocatalysis-workshop.com>
25. M. Suche, I.V. Tudose, T. Nikias, L. Papoutsakis, S. Ibanescu, E. Koudoumas"High quality ATO thin films for transparent electrode applications" 11th International Conference on Physics of Advanced Materials ICPAM-10, Babes-Bolyai University of Cluj-Napoca, Romania, from 8th to 14th of September, 2016.<https://www.icpam.ro/files/BoA-ICPAM11.pdf> pag 216
26. Dimitra Vernardou, Dimitris Louloudakis, Michalis Rasoulis, Mirela Suche, Nikolaos Katsarakis, Emmanouil Koudoumas "APCVD of Vanadium oxides at 300 oC for Li-ion batteries" 11th International Conference on Physics of Advanced Materials ICPAM-10, Babes-Bolyai University of Cluj-Napoca, Romania, from 8th to 14th of September, 2016.<https://www.icpam.ro/files/BoA-ICPAM11.pdf> pag 300.
27. Mirela Suche, Ioan Valentin Tudose, Felicia Iacom, Emmanouel Koudoumas "Metal oxide based smart materials" 2nd CommScie International Conference "Challenges for Sciences and Society in Digital Era" Iași, December 4th–5th, 2015. <http://www.postdoc.commscie.uaic.ro/Proiect%20CommmscieII/conferinta/booklet%20program.pdf>
28. S. Bucur, D. Isac, N.-C. Lungu, I. Mangalagiu, D. Mantu, M. Suche "Computational insights of methylated β -cyclodextrins inclusion complexes with new bis-pyridazine derivatives", "Nanoscience in Chemistry, Physics, Biology and Mathematics" NANOMATHCHEM2015, November 12-14 2015, Cluj-Napoca, Romania.
29. M. Suche, I. V. Tudose, F. Iacom, E. Koudoumas, „Pure and doped TiO₂ thin films for environmental and energy applications”, Poster no 48 in "Sesiunea de comunicări științifice a Facultății de Chimie", 29-30 octombrie 2015 <http://www.chem.uaic.ro/files/File/2015-2016/zu-2015/program-zu-2015.pdf>

30. S. Bucur, M. Sucheа, C. Peptu, A. Kouvarakis, N.-C. Lungu, I. Mangalagiu "β-cyclodextrin functionalization by tosylation: an optimization" 3rd FAST-DOT Summer School "Photonics meets Biology", 28 September -2 October 2015, Royal Mare Thalasso & Spa Hotel, Anissaras, Crete, Greece.
31. Γ. Κακαβελάκης, Μ. Μ. Στυλιανάκης, Δ. Κωνιός, Γ. Βισκαδούρος, Δ. Λουλουδάκης, Μ. Sucheа, Δ. Βερνάρδου, Μ. Βαμβακάκη, Σ. Χ. Αναστασιάδης, Ε. Στρατάκης, Ν. Κατσαράκης, Ε. Κυμάκης, Ε. Κουδουμάς, "Σχεδιασμός και Κατασκευή Νανοδομημένων Οργανικών Φωτοβολταϊκών Στοιχείων με Βελτιστοποιημένη Συμπεριφορά" "Καινοτόμα προϊόντα & υπηρεσίες: Εφαρμοσμένη έρευνα του ΤΕΙ Κρήτης" 28-29 September 2015, Heraklion, Crete, Greece.
32. Ε. Δρακάκης, Ε. Κουδουμάς, Μ. Sucheа, I. V. Tudose, Γ. Κεανάκης, Μ. Καθαράκης, Γ. Τζαγκαράκης, "Μηχανισμοί ηλεκτρομαγνητικής θωράκισης στην περιοχή των GHz σε νανοδομημένες επιστρώσεις με βάση το γραφένιο", "Καινοτόμα προϊόντα & υπηρεσίες: Εφαρμοσμένη έρευνα του ΤΕΙ Κρήτης" 28-29 September 2015, Heraklion, Crete, Greece (+uaic affiliation).
33. I V. Tudose, N. Vrinceanu, M. Sucheа, "Photocatalytic ZnO on textile substrates for air purification applications" The 1st International Workshop "Advances on Photocatalysis AdvPhotoCat2015, Iasi, Romania, 6–8th of July, 2015.
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