

Curriculum Vitae

Personal information

First name(s) / Surname(s)	Mirela Petruța Șucnea
Address(es)	IMT Bucharest Romania HMU, Heraklion Crete, Greece
E-mail	mira.sucnea@imt.ro mirasucnea@hmu.gr ;
Tel.	
Nationality	Romanian
Date of birth	06.03.1973
Webpages	https://www.webofscience.com/wos/author/record/1635167 http://www.researcherid.com/rid/B-7547-2012 https://publons.com/researcher/1266831/mirela-sucnea 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

30.11. 2021 - present	Scientific Researcher I - National Institute for Research and Development in Microtechnologies -IMT Bucharest, Romania www.imt.ro
15.11.2020-30.11.2021	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 https://sfmg.hmu.gr/ http://www.cematep.teicrete.gr/about/
24.09.2018- 20.09.2021	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 EXCELEnței 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 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 multifuncționale 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 EXCELEnței 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 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 “Founds 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"> ○ "WOMEN IN NANOSCIENCE AWARD" In recognition of exemplary work in the Nanoscience field at Global Conference on Nanotechnology June 21-24, 2022, Spain Virtual. ○ Organizers award in 12th International Conference on Physics of Advanced Materials, September 22-28, 2018, Heraklion, Greece. ○ 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 G5477 financed September 2018- March 2022 - Team member (experienced researcher) at CEMATEP, HMU Greece. ○ New germicide nanocomposites for biological protection and decontamination the project G5868 of the NATO Science for Peace and Security (SPS) Programme, Project financed July 2022 - March 2025. Senior member for project implementation at CEMATEP HMU.

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 E 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/>
- **Polymer Nanocomposites for Electromagnetic Shielding application (PolyShield)**, Operational Program Competitiveness, Entrepreneurship and Innovation, under the call RESEARCH – CREATE – INNOVATE (project code: T1EDK-02784), 2018-2021
- **Sustainable food packaging based on polymers incorporating essential oils**, Greek Operational Program Competitiveness, Entrepreneurship and Innovation, under the call , 2019-2021
- **Innovative materials for nets for fish farms with environmental friendly anti-fouling action**, Greek Operational Program Maritime and Fisheries, 2019-2022

Romanian National Projects

- **Consolidarea Excelenței IMT în domeniul Micro - Nano tehnologiilor avansate, MicroNEx** <http://www.imt.ro/micronex/> Contract nr. 20PFE/30.12.2021 (ID 541); Durata proiectului: 30.12.2022-14.06.2024.
- **Nucleu Project MICRO-NANO-SIS PLUS,**
- **“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 **EXCEL**enței 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, germicide, antifouling etc applications
- Transparent conductive electrodes for TFT's, photovoltaics, electrochromic and photochromic devices.
- Thin films growth by conventional evaporation, dc magnetron sputtering and PLD, electrospinning, spray pyrolysis and chemical method techniques
- Carbon allotropes – polymers composite materials for electromagnetic shielding applications.
- Various inorganic-organic composite materials fabrication by 3D printing and applications.
- Chemical synthesis of metal oxide and metallic nanostructured 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.
- Composite materials for EMI shielding applications (paints, plastics).
- 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-Apr 2019 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- Sept 2021 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 (TOEIC Advanced), 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 14th International Conference on Physics of Advanced Materials ICPAM-14, will be held on September 8 – 15, 2022, in Dubrovnik, Croatia, <https://icpam.ro/>
- Member of the 3 members evaluation committee for Best Early Career Scientists Awards in the Online NanoSeries Conference June 21st – 24th 2022 Spain <https://nanoseriesconference.com/speakers/> .
- Invited Session Chair in 6th and 11th sessions of *Advances in Surfaces, Interfaces and Interphases* (SURF 2022) Elsevier Conference 15-18 May 2022 | Online <https://www.elsevier.com/events/conferences/advances-in-surfaces-interfaces-interphases/programme>
- Member in organizing committee of 13rd International Conference on Physics of Advanced Materials ICPAM-13, September 24 – 30, 2021, Hotel Eden Roc by Brava Hoteles, Sant Feliu de Guixols, Costa Brava, Spain <https://icpam.ro/>
- Event chair of The 3rd 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 October, 2006 Hersonissos, Crete, Greece

Technical skills and competences

- **Member of Examination Committee** of "MoS₂ Based Nanomaterials for Solar Energy Utilization" Doctoral Thesis in Chemistry by Effat Sitara, School of Natural Sciences, National University of Sciences & Technology, Islamabad, PAKISTAN 2022
- **External Evaluator** for National Science Center, Poland – SONATA funding scheme 2021,
- **External Evaluator** for NSF Qatar Association since 2015. Appointed in evaluation of proposals in call 2019-2021.
- **External Evaluator** for COST Association since 2015. Appointed in evaluation of proposals in Calls 2016, 2019, 2020, 2021.
- **Member of ECN (European Consulting Network)** – Mirela Suche <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" IF 6.137 Elsevier Journal** <https://www.journals.elsevier.com/surfaces-and-interfaces/editorial-board>.
- Guest Editor:**
 - § Special Issue "**Nanostructured Materials for Electromagnetic Shielding Applications**" *Nanomaterials* (ISSN 2079-4991). This SI belongs to the section "General". Open submission. https://www.mdpi.com/journal/nanomaterials/special_issues/nano_electromagnetic
 - § Special Issue "**New Trends in Functional Materials and Devices**", *Coatings* (ISSN 2079-6412). This SI belongs to the section "Selected Papers from International Conferences and Workshops". Deadline: 31 March 2022. https://www.mdpi.com/journal/coatings/special_issues/new_trends_materials_devices
 - § 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

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Books and book chapters

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3. Micro and Nano Technologies Series by Elsevier "**Functional nanostructured interfaces for environmental and biomedical applications**" Editors V Dinca and **M Suchea** Book by Elsevier 978-0-12-814401-5 – 2019
4. Applied Surface Science Special Issue on Advances on Photocatalysis - the 2nd International Workshop Edited by Dr. Felicia Iacomì, **Dr. Suchea Mirela Petruta**, Prof. Dr. Katsarakis Nikolaos 20 July 2017 <https://www.sciencedirect.com/journal/applied-surface-science/special-issue/10KS38XWL7M>

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28. Gianina Broasca, **Mirela Petruta Suchea**, Mihai Ciocoiu, Daniela Farima, Narcisa Vrinceanu, Christine Campagne, Cristina Rimbu, Mirela Iorgoaea Novel Approach Regarding Zeta Potential Variation As A Consequence Of a Woven Fabrics Antibacterial Finishing Treatment, " *Tekstil ve Konfeksiyon*"(*Journal of Textile and Apparel*) 23(1), 2013 WOS:000322802600008 **IF: 0.215, (Q4)**.
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53. Ippolito, S.J., Kandasamy, S., Kalantar-Zadeh, K., Wlodarski, W., Galatsis, K., Kiriakidis, G., Katsarakis, N., **Suchea, M.** Highly sensitive layered ZnO/LiNbO₃ SAW device with InO_x selective layer for NO₂ and H₂ gas sensing (2005) *Sensors and Actuators, B: Chemical*, 111-112 (SUPPL.), pp. 207-212. **IF: 7.1, (Q1).**
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55. Christoulakis, S., **Suchea, M.**, Katharakis, M., Katsarakis, N., Koudoumas, E., Kiriakidis, G. ZnO nanostructured transparent thin films by PLD (2005) *Reviews on Advanced Materials Science*, 10 (4), pp. 331-334. **IF: 1.197, (Q4).**
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Recent proceedings/non ISI publications

1. L. Draghiciu, I.V.Tudose, C. Romanitan, R. Gavrilă, O.A. Brincoveanu, F.C. Comanescu, C. Pachiu, R. Muller, A.Dinescu, E. Koudoumas and **M.P. Suchea** “Substrate influence on V₂O₅ growth by spray pyrolysis method” CAS 2022, IEEE 2022 International Semiconductor Conference (CAS) event, 12 - 4 October 2022, Poiana Brasov, Romania, page 244 – to be published in <https://ieeexplore.ieee.org>
2. E. Koudoumas, O. N. Ionescu, V. Z. Barsukov, **M. P. Suchea** “Innovative composite materials for electromagnetic shielding” CAS 2022, IEEE 2022 International Semiconductor Conference (CAS) event, 12 - 4 October 2022, Poiana Brasov, Romania, page 23 – to be published in <https://ieeexplore.ieee.org>
3. I.V. Tudose, I. Rosca, C. Romanitan, O.N. Ionescu, K. Petrotos, S. Zaoutsos, **M.P. Suchea**, E. Koudoumas “PLA nanocomposites with antimicrobial action, based on olive fruit polyphenols and citrus fruit extracts encapsulated in Maltodextrin”, CAS 2021, IEEE 2021 International Semiconductor Conference (CAS) event, online 6 - 8 October 2021. <https://ieeexplore.ieee.org/document/9604116>
4. **M. Suchea**, I.V. Tudose, K. Muratis, O.N. Ionescu, C. Romanitan, M. Popescu, V. Khomenko, O. Butenko, O. Chernysh, G. Kenanakis, V. Barsukov and E. Koudoumas „Novel composite materials for

electromagnetic shielding applications”(invited speaker), FUTURE MATERIALS 2021- GLOBAL SUMMIT ON FUTURE OF MATERIALS SCIENCE AND RESEARCH JULY 29-30 2021 <http://materialsscience.peersalleyconferences.com/>

5. K. Mouratis, I. V. Tudose, C. Romanitan, M. Popescu, G. Simistiras, S. Couris, **M. P. Suchea** and E. Koudoumas „Nanostructured electrochromic WO₃ films grown by spray pyrolysis”, XXXV Panhellenic Conference on Solid State Physics and Materials Science, Congress Center, NCSR ”Demokritos”, 26-29 September 2021, Athens, Greece. <http://xxxv-ssm.inn.demokritos.gr>

6. I.V. Tudose, I. Rosca, C. Romanitan, O.N. Ionescu, K. Petrotos, S. Zaoutsos, **M.P. Suchea**, E. Koudoumas “PLA nanocomposites with antimicrobial action, based on olive fruit polyphenols and citrus fruit extracts encapsulated in Maltodextrin”, CAS 2021, IEEE 2021 International Semiconductor Conference (CAS) event, online 6 - 8 October 2021. <https://ieeexplore.ieee.org/document/9604116>

7. 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

8. 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.

9. 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.

10. 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.

11. 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.

12. 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.

13. 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. https://er.knutd.edu.ua/bitstream/123456789/8813/1/Promising2017_P190-199.pdf

14. I V. Tudose and M. Suchea “ZnO for photocatalytic air purification applications” International Conference on Innovative Research 2016 - ICIR Euroinvent 2016 IOP Publishing.

15. 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.

16. 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. "Fabrication and properties of novel functional nanostructured metal oxide thin films made by spray pyrolysis" (invited speaker) **M.P. Suchea** Materials Science, Engineering & Technology International Conference, Online 27 – 29 July 2022 in association with the University of Queensland, Australia. <https://msiconference.com/australia-2022/>
2. "Recent Advances on Nanostructured Photocatalysts Integration in 3D Printed Composites for Environmental Applications" (invited speaker) **M.P. Suchea** in the Online NanoSeries Conference June 21st – 24th 2022 Spain <https://nanoseriesconference.com/speakers/> .
3. Invited Session Chair in 6th and 11th sessions of Advances in Surfaces, Interfaces and Interphases (SURF 2022) Elsevier Conference 15-18 May 2022 | Online <https://www.elsevier.com/events/conferences/advances-in-surfaces-interfaces-interphases/programme>
4. "TiO₂ and ZnO containing composite nanofibers with high photocatalytic decomposition performance against water pollutants: fabrication and properties" (invited speaker) 6th International Conference on Catalysis and Chemical Engineering CCE 2022 22-26 February, 2022 HYBRID SAN FRANCISCO, CA, USA. P. Pascariu and **M.P. Suchea** <https://catalysis.unitedscientificgroup.org/2022/conference-info>
5. "Electrospinning fabricated TiO₂ based semiconductor nanofibers with enhanced photocatalytic properties" (Keynote presentation), NanoBioMat 2021, 25-27 November 2021, Bucharest, Romania, P. Pascariu and **M.P. Suchea** <https://www.micronanotech.ro/wp-content/uploads/2021/08/Invitatie-AOSR.pdf>
6. „3D printed composite materials with antifouling properties” featured presentation, IManEE 2021 International Conference, online 21st – 23rd of October, 2021 **M P Suchea**, G Kenanakis, M Sevastaki, N Vrithias, E Sfakaki, N Mitrizakis, C Strakantounas, N Papandroulakis, C Romanitan, G Craciun, C Pachi, E Koudoumas, www.imane.ro
7. „Nanostructured Composite Paints for Electromagnetic Shielding” 3th International Conference on Physics of Advanced Materials (ICPAM-13), September 24-30, 2021, hybrid event, Sant Feliu de Guixols, Costa Brava, Spain. V. Barsukov, V. Khomenko, I. Senyk, Ya. Kuryptia, O. Butenko, O. Chernysh, V. Tverdokhle, I.V. Tudose, K. Muratis, O.N.Ionescu, **M. Suchea**, E. Koudoumas T10-I <https://icpam.ro/main/wp-content/uploads/BoA-ICPAM-13-v2.pdf>
8. „Novel composite materials for electromagnetic shielding applications”(invited speaker), FUTURE MATERIALS 2021- GLOBAL SUMMIT ON FUTURE OF MATERIALS SCIENCE AND RESEARCH JULY 29-30 2021 **Mirela Petruta Suchea**, <http://materialsscience.peersalleyconferences.com/>
9. "PVDF fibers embedding lanthanide doped ZnO membranes for adsorption and photocatalytic degradation of dye organic pollutants" (invited presentation), The 3rd International Workshop Advances on Photocatalysis (AdvPhotoCat-EE2021), 2021, June 28 –29, Online event, Bucharest, România. P. Pascariu, C. Cojocar, A. Airinei, **M. Suchea** https://photocatalysis-workshop.eu/wp-content/uploads/2021/07/book_of_abstract_FINAL_m.pdf
10. "Composite nanofibers for improved photocatalytic performance under UV and visible light irradiation", Invited, 3rd Webinar on "Catalysis, Chemical Engineering & Technology" held during June 24-25, 2021, Online. P. Pascariu, E. Koudoumas, **M. Suchea** <https://scholarsconferences.com/catalysis-frontiers/>
11. "Overview: Composite nanofibers for improved photocatalytic performance under UV and visible light irradiation“ Webinar on Biocatalysis & Green Chemistry, Italy– Online June 24-25, 2021 <https://air.unimi.it/bitstream/2434/854647/2/Green%20Chemistry%20Book%20Jun%202024.pdf>
12. 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/>
13. 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.

14. 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>
15. 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/>
16. 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/>.
17. 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.
18. 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/>
19. 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>
20. 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.
21. 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 and virtual posters presentations

1. Mirela Petruta Suchea , Andrianna Bouranta, Ioan Valentin Tudose , Luciana Georgescu, Nikolaos Rafail Vrithias, George Kenanakis, Efsevia Sfakaki, Nikolaos Mitrizakis, George Strakantounas , Nikolaos Papandroulakis, Cosmin Romanitan , Cristina Pachi, Oana Brincoveanu, Emmanouel Koudoumas “Pure and doped TiO₂/HDPE 3D printed composite materials with antifouling properties for aquaculture applications” Invited Oral in 5th International Conference on Emerging Technologies in Materials Engineering EMERGEMAT No.5 / 2022 27-28 October 2022 ONLINE Bucharest, ROMANIA.
2. P. Pascariu , L. Georgescu , E. Koudoumas , M. P. Suchea “TiO₂ based semiconductor nanofibers with enhanced uv and visible photocatalytic properties” CAS 2022, IEEE 2022 International Semiconductor Conference (CAS) event, 12 - 4 October 2022, Poiana Brasov, Romania.
3. A. Bouranta , I. V. Tudose, L. Georgescu , N. R. Vrithias, G. Kenanakis, E. Sfakaki, N. Mitrizakis , G. Strakantounas , N. Papandroulakis , C. Romanitan , C. Pachi , O. Brincoveanu-Tutunaru , L. Barbu-Tudoran, M. P. Suchea, E. Koudoumas “3d printed metal oxide-polymer composite materials with antifouling properties for aquaculture applications” CAS 2022, IEEE 2022 International Semiconductor Conference (CAS) event, 12 - 4 October 2022, Poiana Brasov, Romania.
4. L. Draghiciu, I.V.Tudose, C. Romanitan, R. Gavrilă, O.A. Brincoveanu, F.C. Comanescu, C. Pachi, R. Muller, A.Dinescu, E. Koudoumas and M.P. Suchea “Substrate influence on V₂O₅ growth by spray pyrolysis method” CAS 2022, IEEE 2022 International Semiconductor Conference (CAS) event, 12 - 4 October 2022, Poiana Brasov, Romania,

5. E. Koudoumas, O. N. Ionescu, V. Z. Barsukov, M. P. Suchea "Innovative composite materials for electromagnetic shielding" CAS 2022, IEEE 2022 International Semiconductor Conference (CAS) event, 12 - 4 October 2022, Poiana Brasov, Romania.
6. P. Pascariu, L. Georgescu, E. Koudoumas, M.P. Suchea "Electrospinning of TiO₂ based semiconductor nanofibers with enhanced photocatalytic properties" 36th Panhellenic Conference on Solid State Physics and Materials Science, 26-29 September 2022, Heraklion, Crete, Greece.
7. A. Bouranta, I.V. Tudose, L. Georgescu, N.R. Vrithias, G. Kenanakis, E. Sfakaki, N. Mitrizakis, G. Strakantounas, N. Papandroulakis, C. Romanitan, C. Pachiu, O. Tutunaru, L. Barbu -Tudoran, M.P. Suchea, E. Koudoumas "3D printed composite materials with antifouling properties for aquaculture applications" 36th Panhellenic Conference on Solid State Physics and Materials Science, 26-29 September 2022, Heraklion, Crete, Greece.
8. K. Mouratis, I.V. Tudose, C. Romanitan, M. Popescu, G. Simistiras, S. Couris, M.P. Suchea, E. Koudoumas "Fabrication and performance of electrochromic devices based on V₂O₅ and WO₃ thin films" 36th Panhellenic Conference on Solid State Physics and Materials Science, 26-29 September 2022, Heraklion, Crete, Greece.
9. I.V. Tudose, C. Romanitan, C. Pachiu, I. Rosca, K. Petrotos, S. Zaoutsos, G.A. Fragkiadakis, A. Bouranta, M.P. Suchea, E. Koudoumas "PLA nanocomposites with antimicrobial action, based on encapsulated natural extracts for food packaging applications" 36th Panhellenic Conference on Solid State Physics and Materials Science, 26-29 September 2022, Heraklion, Crete, Greece.
10. M.P. Suchea, I.V. Tudose, L. Draghiciu, C. Romanitan, C. Pachiu, R. Gavrilă, O.A. Brincoveanu, I. Mihalache, F. Comanescu, R. Muller, A. Dinescu and E. Koudoumas "Engineering of V₂O₅ thin films surface properties via the control of the growth parameters" Oral presentation ONLINE the 14th International Conference on Physics of Advanced Materials (ICPAM-14) and the 5th Autumn School on Physics of Advanced Materials (PAMS-5) . September 8 – 15, 2022, Dubrovnik, Croatia.
11. A. Bouranta, I.V. Tudose, C. Romanitan, C. Pachiu, I. Rosca, K. Petrotos, S. Zaoutsos, G. A. Fragkiadakis, M.P. Suchea, E. Koudoumas "Antimicrobial nanocomposite materials for food packaging applications -fabrication and properties" ONLINE the 14th International Conference on Physics of Advanced Materials (ICPAM-14) and the 5th Autumn School on Physics of Advanced Materials (PAMS-5) . September 8 – 15, 2022, Dubrovnik, Croatia.
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