

Curriculum Vitae

Personal information

First name(s) / Surname(s)	Mirela Petruța Șucnea
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Tel.	+40 0732346839 +30 6944 563047
Nationality	Romanian
Date of birth	06.03.1973
Webpages	http://www.researcherid.com/rid/B-7547-2012 . 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 www.photocatalysis-workshop.com www.artsciencephotography.com/

Work experience

01.05.2013-present	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 https://materialscomscie.wordpress.com/about/
01.07. 2011 – 31.01. 2012	Scientific collaborator Megalab http://www.megalab.gr ,Greece
01.03.2010-present	External Lecturer and member of research team of Center of Materials technology and Photonics in Electrical Engineering Department, School of Applied Technology Technological Educational Institute of Crete, 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, Heraklion
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 PhD Student in University of Crete Chemistry Department. Thesis title: "Study of In_2O_3 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>
 Supervisor: Prof. T. Kitsopoulos
 Professor of Chemistry, University of Crete, Affiliated Researcher at the IESL FORTH
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www.iesl.forth.gr/lasergrp/tnk/version1en.htm

1991-1997 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) *Coordinator: Lect. Dr. Puiu Bălan.*

Training

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"> ○ 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).
Greek National Projects participation	<ul style="list-style-type: none"> ○ 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 Ι, «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 Ι, «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 1ΣΥΝ_7_1503 implemented through the Operational Program ‘‘Competitiveness and Entrepreneurship’’, Action “Cooperation 2011” co-financed by the European Union (European Regional Development Fund) and Greek national funds (National Strategic Reference Framework 2007 - 2013)
Romanian National Projects	<ul style="list-style-type: none"> ○ “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/ ○ „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) https://materialscomscie.wordpress.com/about/

Interest Area and Expertise

- Thin films growth by conventional evaporation, dc magnetron sputtering and PLD techniques.
- Chemical synthesis of metal oxide and metallic thin films and structures.
- Metal oxide based materials for environmental applications (photocatalysis, sensors etc)
- 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.
- Transparent conductive electrodes for TFT's, photovoltaics, electrochromic and photochromic devices.
- 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.

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 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. (co-supervision with prof. A. Aerakis and prof. M. Petousis) and master theses in co-supervision with Prof. E Koudoumas.

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 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
- Curator of The 4rd 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

- Reviewer for various Journals: 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 Editor
- 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>
- Member of ICPAM-IS International Association.

Publications

Book Chapters

1. Narcisa Vrinceanu, Dănuț Dumitru Dumitrașcu, Eveline Popovici, Mirela Petruta Suchea, 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.
2. Narcisa Vrinceanu, Valentin Petrescu, Toderița Nemeș, Eveline Popovici, Mirela Petruta Suchea, Gianina Broasca, Nicoleta Dumitrascu, Gabriela Borcia, Claudia Mihaela Hristodor, Diana Ecaterina Tanasa, Alexandra Nistor, Diana Coman, Mihai Ciocoiu, Daniela Farima, Cristina Rimbu, "Lucian Blaga" University of Sibiu, Romania, "Al.I.Cuza" University of Iasi, Romania, and others Chapter 2 Results and Discussion – Analyses and Discoveries 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. 23-82 https://www.novapublishers.com/catalog/product_info.php?products_id=55654&osCsid=
3. Eveline Popovici, Narcisa Vrinceanu, Mirela Suchea "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

Publications in ISI Journals from Scopus (716 citations without self citations since 2004, $h_{index}=13$ Scopus, May 2016)

1. Louloudakis, D., Vernardou, D., Spanakis, E., Suchea, M., Kenanakis, G., Pemble, M., Savvakis, K., Katsarakis, N., Koudoumas, E., Kiriakidis, G. "Atmospheric pressure chemical vapor deposition of amorphous tungsten doped vanadium dioxide for smart window applications" (2016) *Advanced Materials Letters*, 7 (3), pp. 192-196.
2. Suchea, M., Vamvakaki, M., Louloudakis, D., Sigalas, M., Katsarakis, N., Vernardou, D., Koudoumas, E. "Influence of thickness on the properties of TiO_2 and $Ti(Nb)O_2$ thin films" (2016) *Studia Universitatis Babes-Bolyai Chemia*, 61 (1), pp. 97-106.
3. Suchea, M., Tudose, I.V., Tzagkarakis, G., Kenanakis, G., Katharakis, M., Drakakis, E., Koudoumas, E. "Nanostructured composite layers for electromagnetic shielding in the GHz frequency range" (2015) *Applied Surface Science*, 352, pp. 151-154.
4. Mirela Suchea, Ioan Valentin Tudose, Stefan Ionita, Ion Sandu, Felicia Iacom, Emmanouel Koudoumas, "ZnO nanostructures for potential applications in organic solar cells" (2015) *Revista de Chimie* 66 no 12/2015.
5. Humelnicu, D., Ignat, M., Suchea, M. "Evaluation of adsorption capacity of montmorillonite and aluminium-pillared clay for Pb^{2+} , Cu^{2+} and Zn^{2+} " (2015) *Acta Chimica Slovenica*, 62 (4), pp. 947-957.
6. Gianina Broasca, Mirela Petruta Suchea, Cristina Rimbu, Narcisa Vrinceanu et al. *Zinc oxide application in textile industry: surface tailoring and water barrier attributes as parameters with direct implication in comfort performance*, *Textile Research Journal*, <http://trj.sagepub.com/content/early/2013/03/18/0040517513478460>.
7. 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

8. Suchea, M., Kornilios, N., Koudoumas, E. *Zinc oxide films chemically grown onto rigid and flexible substrates for TFT applications* (2010) *Physica B: Condensed Matter*, 405 (20), pp. 4389-4392.
9. Fasaki, I., Suchea, M., Mousdis, G., Kiriakidis, G., Kompitsas, M. *The effect of Au and Pt nanoclusters on the structural and hydrogen sensing properties of SnO₂ thin films* (2009) *Thin Solid Films*, 518 (4), pp. 1109-1113.
10. Mousdis, G.A., Kompitsas, M., Fasaki, I., Suchea, M., Kiriakidis, G. *The effect of Au nanoclusters in tin Oxide film gas sensors* (2009) *NATO Science for Peace and Security Series B: Physics and Biophysics*, pp. 219-222.
11. Suchea, M., Christoulakis, S., Katharakis, M., Vidakis, N., Koudoumas, E. *Influence of thickness and growth temperature on the optical and electrical properties of ZnO thin films* (2009) *Thin Solid Films*, 517 (15), pp. 4303-4306.
12. Kiriakidis, G., Suchea, M., Christoulakis, S., Moschovis, K., Kitsopoulos, T., Stoemenos, J. *Nano-structural and surface characteristics of non-stoichiometric In₂O_{3-x} thin films* (2009) *International Journal of Nanotechnology*, 6 (1-2), pp. 208-218
13. Horváth, P., Kiriakidis, G., Suchea, M., Christoulakis, S., Kassavetis, S., Logothetidis, S. *Surface characteristics and tribology study of metal oxide thin films* (2008) *Tribology - Materials, Surfaces and Interfaces*, 2 (4), pp. 225-231.
14. Horvath, P., Sadale, S.B., Suchea, M., Christoulakis, S., Voicu, R., Tibeica, C., Bineva, I., Muller, R., Kitsopoulos, T., Kiriakidis, G. *ZnO thin films for cantilever coatings: Structural and mechanical properties, observations of photoplastic effect* (2008) *Sensor Letters*, 6 (4), pp. 558-563.
15. Suchea, M., Christoulakis, S., Tibeica, C., Katharakis, M., Kornilios, N., Efthimiopoulos, T., Koudoumas, E. *Structural and morphological properties of thin ZnO films grown by pulsed laser deposition* (2008) *Applied Surface Science*, 254 (17), pp. 5475-5480.
16. Suchea, M., Christoulakis, S., Androulidaki, M., Koudoumas, E. *CaS:Eu,Sm and CaS:Ce,Sm films grown by embedding active powder into an inert matrix* (2008) *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, 150 (2), pp. 130-134.
17. Kiriakidis, G., Suchea, M., Dovinos, D. *Transparent conducting oxides: From materials to sensing application* (2007) *Proceedings of the International Offshore and Polar Engineering Conference*, pp. 2942-2948.
18. Suchea, M., Christoulakis, S., Tudose, I.V., Vernardou, D., Lygeraki, M.I., Anastasiadis, S.H., Kitsopoulos, T., Kiriakidis, G. *Pure and Nb₂O₅-doped TiO₂ amorphous thin films grown by dc magnetron sputtering at room temperature: Surface and photo-induced hydrophilic conversion studies* (2007) *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, 144 (1-3), pp. 54-59.
19. Kiriakidis, G., Suchea, M., Christoulakis, S., Horvath, P., Kitsopoulos, T., Stoemenos, J. *Structural characterization of ZnO thin films deposited by dc magnetron sputtering* (2007) *Thin Solid Films*, 515 (24 SPEC. ISS.), pp. 8577-8581.
20. Tudose, I.V., Horváth, P., Suchea, M., Christoulakis, S., Kitsopoulos, T., Kiriakidis, G. *Correlation of ZnO thin film surface properties with conductivity* (2007) *Applied Physics A: Materials Science and Processing*, 89 (1), pp. 57-61.
21. Suchea, M., Christoulakis, S., Katharakis, M., Kiriakidis, G., Katsarakis, N., Koudoumas, E. *Substrate temperature influence on the properties of nanostructured ZnO transparent ultrathin films grown by PLD* (2007) *Applied Surface Science*, 253 (19), pp. 8141-8145.
22. Christoulakis, S., Suchea, M., Katsarakis, N., Koudoumas, E. *Europium and samarium doped calcium sulfide thin films grown by PLD* (2007) *Applied Surface Science*, 253 (19), pp. 8169-8173.
23. Suchea, M., Christoulakis, S., Katsarakis, N., Kitsopoulos, T., Kiriakidis, G. *Comparative study of zinc oxide and aluminum doped zinc oxide transparent thin films grown by direct current magnetron sputtering* (2007) *Thin Solid Films*, 515 (16 SPEC. ISS.), pp. 6562-6566.
24. Kiriakidis, G., Dovinos, D., Suchea, M. *Sensing using nanostructured metal oxide thin films* (2006) *Proceedings of SPIE - The International Society for Optical Engineering*, 6370, art. no. 63700V,

25. Suchea, M., Katsarakis, N., Christoulakis, S., Nikolopoulou, S., Kiriakidis, G. *Low temperature indium oxide gas sensors* (2006) *Sensors and Actuators, B: Chemical*, 118 (1-2), pp. 135-141.
26. Suchea, M., Christoulakis, S., Moschovis, K., Katsarakis, N., Kiriakidis, G. *ZnO transparent thin films for gas sensor applications* (2006) *Thin Solid Films*, 515 (2 SPEC. ISS.), pp. 551-554.
27. Suchea, M., Katsarakis, N., Christoulakis, S., Katharakis, M., Kitsopoulos, T., Kiriakidis, G. *Metal oxide thin films as sensing layers for ozone detection* (2006) *Analytica Chimica Acta*, 573-574, pp. 9-13
28. Christoulakis, S., Suchea, M., Koudoumas, E., Katharakis, M., Katsarakis, N., Kiriakidis, G. *Thickness influence on surface morphology and ozone sensing properties of nanostructured ZnO transparent thin films grown by PLD* (2006) *Applied Surface Science*, 252 (15), pp. 5351-5354.
29. 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.
30. Suchea, M., Christoulakis, S., Moschovis, K., Katsarakis, N., Kiriakidis, G. *Nanostructured ZnO and ZAO transparent thin films by sputtering-surface characterization* (2005) *Reviews on Advanced Materials Science*, 10 (4), pp. 335-340.
31. 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. Cited 10 times.
32. Kiriakidis, G., Suchea, M., Christoulakis, S., Katsarakis, N. *High performance gas sensing materials based on nanostructured metal oxide films* (2005) *Reviews on Advanced Materials Science*, 10 (3), pp. 215-223.
33. Suchea, M., Christoulakis, S., Katharakis, M., Katsarakis, N., Kiriakidis, G. *Surface characterization of ZnO transparent thin films* (2005) *Journal of Physics: Conference Series*, 10 (1), pp. 147-150.
34. Suchea, M., Kiriakidis, G. *Surface characteristics of In and Zn oxides by atomic force microscopy* (2004) *Proceedings of the International Semiconductor Conference, IEEE, CAS, 2*, art. no. MO.4, pp. 345-348.
35. Kiriakidis, G., Katsarakis, N., Katharakis, M., Suchea, M., Galatsis, K., Wlodarski, W., Kotzias, D. *Ultra sensitive low temperature metal oxide gas sensors* (2004) *Proceedings of the International Semiconductor Conference, IEEE, CAS, 2*, pp. 325-331.

Recent proceedings/non ISI publications

1. I. V. Tudose and M. Suchea “ZnO for photocatalytic air purification applications” International Conference on Innovative Research 2016 - ICIR Euroinvent 2016m IOP Publishing, IOP Conf. Series: Materials Science and Engineering, 133, (2016) 012040, doi:10.1088/1757-899X/133/1/012040
2. 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.
3. 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>
4. I.V. Tudose , M. Suchea, K. Siderakis, E. Thalassinakis, E. Koudoumas, “Comparative study of field collected samples of aged silicon rubber composite coatings for high voltage insulators” *Acta Chimica Iasi* <http://aci.chem.uaic.ro>
5. M. Suchea, I.V. Tudose, N. Vrinceanu, B. Istrate, C. Munteanu, E. Koudoumas “Precursor concentration effect on structure and morphology of ZnO for coatings on fabric substrates” *Acta Chimica Iasi* <http://aci.chem.uaic.ro>

Conferences:

Invited presentations

1. 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.
2. 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.
3. M. Suchea „Photocatalytic Materials for Constructions Applications”, Conference Innovative Manufacturing Engineering (D Symposium: Advanced Materials and Construction Technologies), May 29-30 2014, Chişinău, Moldova Republic. <http://www.imane.ro/conference-program/>
4. 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 Iaşi, 30 May – 02 June 2013 <http://www.srb.ro/documents/Pliant-SNB-2013-2.pdf>
5. M. Suchea *Invited* “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.
6. M. Suchea, I.V. Tudose, D. Vernardou, G. Kenanakis, E. Kymakis, N. Katsarakis, K. Savvakis and E. Koudoumas, *Invited* “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, Iaşi, Romania

Oral presentations

1. M. Suchea 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
2. I V. Tudose and M. Suchea “ZnO for photocatalytic air purification applications” International Conference on Innovative Research 2016 - ICIR Euroinvent 2016, Iasi, Romania.
3. Alin C. Dirtu, Dan Maftai, Mihai Dumitras, Adrian Covaci, Mirela Suchea, “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.
4. M. Suchea, 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.
5. Mircea V. Diudea, Beata Szeffler, Ioan Valentin Tudose, Mirela Petruta Suchea „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
6. M. Suchea, 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 Iaşi, 30 May – 02 June 2013
7. Narcisa Vrinceanu, Diana Tanasa, Claudia Mihaela Hristodor, Mirela Petruta Suchea, Eveline Popovici, Florin Brinza, Diana Coman, Gianina Broasca, “Photocatalytic attributes of inorganic fibrous substrates”, 14th JCF□Frühjahrssymposium, Rostock, Germany.
8. N. Vrinceanu, M. P. Suchea, 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

9. M. Suchea, 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.
10. G. Kiriakidis, M. Suchea, 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
11. P. Horvath, S. B. Sadale, M. Suchea, 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
12. M. Suchea, 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
13. M. Suchea, 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
14. G. Kiriakidis, D. Dovinos, M. Suchea, "Nanostructured metal oxide thin films for gas sensors" E-MRS 2006 Fall Meeting, Warsaw, Poland, September 4-8, 2006.
15. M. Suchea, 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.
16. M. Suchea, 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/>
17. S. Christoulakis, M. Suchea, 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/>
18. M. Suchea, 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.
19. M. Suchea, 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.
20. M. Suchea, 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.
21. 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.
22. 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. M. Suchea, 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
2. Dimitra Vernardou, Dimitris Louloudakis, Michalis Rasoulis, Mirela Suchea, Nikolaos Katsarakis, Emmanouil Koudoumas "APCVD of Vanadium oxides at 300 °C 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.
3. 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. <http://www.postdoc.commscie.uaic.ro/Proiect%20CommScieII/conferinta/booklet%20program.pdf>
4. S. Bucur, D. Isac, N.-C. Lungu, I. Mangalagiu, D. Mantu, M. Suchea "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.
5. M. Suchea, I. V. Tudose, F. Iacomi, E. Koudoumas, „Pure and doped TiO₂ thin films for environmental and energy applications”, Poster no 48 in “Sesiunea de comunicări științifice a Facultatii de Chimie”, 29-30 octombrie 2015 <http://www.chem.uaic.ro/files/File/2015-2016/zu-2015/program-zu-2015.pdf>
6. Ș. Bucur, M. Suchea, 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.
7. Γ. Κακαβελάκης, Μ. Μ. Στυλιανάκης, Δ. Κωνιός, Γ. Βισκαδούρος, Δ. Λουλουνδάκης, Μ. Suchea, 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.
8. Ε. Δρακάκης, Ε. Κουδουμάς, Μ. Suchea, I. V. Tudose, Γ. Κεσανάκης, 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).
9. I V. Tudose, N. Vrinceanu, M. Suchea, "Photocatalytic ZnO on textile substrates for air purification applications" The 1st International Workshop "Advances on Photocatalysis AdvPhotoCat2015, Iasi, Romania, 6–8th of July, 2015.
10. Narcisa Vrinceanu, Ioan Valentin Tudose, Mirela Petruta Suchea "Photocatalytic performance of TiO₂ on inorganic polymeric matrices" The 1st International Workshop "Advances on Photocatalysis AdvPhotoCat2015, Iasi, Romania, 6–8th of July, 2015.
11. M. Suchea, I V. Tudose, F. Iacomi, E. Koudoumas, "Thickness influence on physical properties of TiO₂ and Ti(Nb)O₂ thin films" The 1st International Workshop "Advances on Photocatalysis AdvPhotoCat2015, Iasi, Romania, 6–8th of July, 2015
12. G. Tzagkarakis, M. Suchea, I. V. Tudose, G. Kenanakis, M. Katharakis, E Koudoumas, E. Drakakis „Graphene based composites for GHz electromagnetic shielding" E - MRS 2015 Spring Meeting, Lille France, 11 - 15 May 2015
13. M. Suchea, I.V. Tudose, F. Iacomi and E. Koudoumas, „Nanostructured metal oxides for potential applications in organic solar cells" (P15-26) NANOPOSTER 2015 - 5th Virtual Nanotechnology Conference (<http://www.nanopaprika.eu/profiles/blogs/nanoposter-2015-5th-virtual-nanotechnology-conference-call-for-ab>) 13-19 April 2015 on line.
14. M. Suchea, I.V. Tudose, N. Vrinceanu, "SEM characterization of photocatalytic ZnO for air purification applications" Poster P54 in "Alexandru Ioan Cuza" University Days Faculty of Chemistry

Conference Iasi, Romania October 31st –November 01 nd, 2014.”
<http://www.chem.uaic.ro/ro/manifestari/zu-2014.html>

15. M. Sucheai, I.V. Tudose, A. Kougiias, D. Manica, C. Tinica, C. Varlan, F. Iacomi, E. Koudoumas „Nanostructured WO₃: Synthesis and characterization” Poster P21 10th International Conference on Physics of Advanced Materials ICPAM-10, Alexandru Ioan Cuza University of Iasi, Romania, September 22 - 28 2014 www.icpam.ro

16. M. Sucheai, I.V. Tudose, N. Vrinceanu “Photocatalytic ZnO for air purification applications” Poster P25 T3 Materials for Energy and Environment topic of 10th International Conference on Physics of Advanced Materials ICPAM-10, Alexandru Ioan Cuza University of Iasi, Romania, September 22 - 28 2014 www.icpam.ro

17. M. Sucheai, I.V. Tudose, G. Kenanakis, E. Drakakis, E. Koudoumas, „Nanostructured composite layers for electromagnetic shielding in the GHz frequency range” Poster P22 10th International Conference on Physics of Advanced Materials ICPAM-10, Alexandru Ioan Cuza University of Iasi, Romania, September 22 - 28 2014 www.icpam.ro

18. G. Tzagkarakis, M. Sucheai, I. V. Tudose, G. Kenanakis, M. Katharakis, E. Koudoumas, E. Drakakis, “Nanostructured coatings for electromagnetic shielding in the GHz frequency band”, 30th Panhellenic Conference on Solid - State Physics and Materials Science, 21 - 24 September, 2014, Heraklion, Crete, Greece <http://fsk30.materials.uoc.gr/fsk30program.pdf> .

19. M. Sucheai, I. V. Tudose, G. Kenanakis, E. Koudoumas, E. Drakakis, “Graphene based paint - like composites for electromagnetic shielding in the GHz frequency range” Graphene 2014, 6 - 9 May 2014, Toulouse, France https://issuu.com/phantoms_foundation/docs/graphene2014_poster_book_1/9

20. I.V. Tudose, N. Vrinceanu, B. Istrate, C. Munteanu, E. Koudoumas, M. Sucheai, F. Iacomi, “Substrate effect on structure and morphology of zno coatings on fabric substrates” <http://www.timconference.com/> Poster ID TIM-13 Physics Conference West University of Timisoara 21st to 24th of November 2013.

21. I.V. Tudose , M. Sucheai, K. Siderakis, E. Thalassinakis, E. Koudoumas, “Comparative study of field collected samples of aged silicon rubber composite coatings for high voltage insulators” Poster P17 in: “Alexandru Ioan Cuza” University Days Faculty of Chemistry Conference& Mini Hot Conference „Recent Achievements in Organic and Supramolecular Chemistry” Iasi, Romania October 31st –November 02 nd, 2013 <http://www.chem.uaic.ro/ro/manifestari/zu-2013.html>.

22. M. Sucheai, I.V. Tudose, N. Vrinceanu, B. Istrate, C. Munteanu, E. Koudoumas “Precursor concentration effect on structure and morphology of ZnO for coatings on fabric substrates” Poster P18 in: “Alexandru Ioan Cuza” University Days Faculty of Chemistry Conference& Mini Hot Conference „Recent Achievements in Organic and Supramolecular Chemistry” Iasi, Romania October 31st –November 02 nd, 2013. <http://www.chem.uaic.ro/ro/manifestari/zu-2013.html>

23. N. Vrinceanu , M. Sucheai, I.V. Tudose , F. Iacomi, E. Koudoumas, “Metal Oxide Active Nanostructured Coatings On Fabric Substrates”, Poster S1 P07 in The 13th International Balkan Workshop on Applied Physics and Materials Science, Constanta, Romania 5-7 July 2013 <http://www.ibwap.ro/2013/>

24. M. Sucheai, I.V. Tudose, N. Vrinceanu, E. Koudoumas “ZnO nanostructured coatings on fabric substrates for photocatalytic applications” Poster 1612 Third international conference on Multifunctional, Hybrid and Nanomaterials HYMA2013, 3-7 March 2013, Sorrento, Italy. https://elsevier.conference-services.net/resources/247/3159/pdf/HYMA2013_1612.pdf

25. I.V. Tudose, M. Sucheai and E. Koudoumas “Antimony Doped Tin Oxide Thin Films for Transparent Electrodes Applications” 27th Panhellenic Conference on Solid State Physics and Materials Science. Lemesos (Limassol), Cyprus 18-21 September 2011

26. I. Fasaki, M. Sucheai, G. Mousdis, G. Kiriakidis and M. Kompitsas, “The effect of Au and Pt nanoclusters on the structural and hydrogen sensing properties of SnO₂ thin films” 2nd Int’l. Symposium on Transparent Conducting Oxides, Hersonissos, Crete, October 2-26, 2008.

27. M. Suchea, I. Kraniotakis, P. Kouremenos, I. Kortidis, E. Koudoumas, T. Kitsopoulos and G. Kiriakidis “ZnO Thin Films Surface Modification for Selective Sensing Applications” XXIV Panhellenic Conference on Solid State Physics and Materials Science, Heraklion, Crete, September 21-24, 2008. <http://xxiv-pc.iesl.forth.gr/program.html>
28. M. Suchea, A. Rizos, T Kitsopoulos , G. Kiriakidis “Zinc Oxide Films Chemical Growth Studies” XXIV Panhellenic Conference on Solid State Physics and Materials Science, Heraklion, Crete, September 21-24, 2008. <http://xxiv-pc.iesl.forth.gr/program.html>
29. G.A. Mousdis, M. Kompitsas, I. Fasaki, M. Suchea and G. Kiriakidis, “The effect of Au nanoclusters in tin oxide film gas sensors”, NATO-ASI on “Nanostructured Materials for Advanced Technological Applications”, Sozopol, Bulgaria, June 1-13, 2008.
30. M. Suchea, S. Christoulakis, T. Kitsopoulos, G. Kiriakidis “Direct current magnetron sputtering deposition parameters effect on aluminum silicon doped ZnO thin films Properties” Q-PI 22 E-MRS 2007 Spring Meeting Strasbourg, France - May 28th to June 1st, 2007 SYMPOSIUM Q Protective Coatings and Thin Films 07
31. S. Christoulakis, M. Suchea, G. Kiriakidis “Direct current magnetron sputtering deposition parameters effect on aluminum silicon doped ZnO thin films properties” 1st International Symposium on Transparent Conducting Oxides, 23 - 25 October, 2006 Hersonissos, Crete, Greece
32. M. Suchea, S. Christoulakis, I.V. Tudose, P. Horvath, T. Kitsopoulos, G. Kiriakidis “ZnO thin films surface properties correlation with conductivity changes under UV photoreduction/ozone oxidation processes” 1st International Symposium on Transparent Conducting Oxides, 23 - 25 October, 2006 Hersonissos, Crete, Greece
33. M. Suchea, S. Christoulakis, M. Katharakis, T Kitsopoulos, G. Kiriakidis “ZnO transparent thin films grown by PLD: substrate temperature influence” 1st ATLAS workshop: Chemical Dynamics Heraklion, Crete, Greece, 16-20 October 2006
34. M. Suchea, S. Christoulakis, P. Horvath, G. Kiriakidis “Thickness influence on the structural properties of ZnO thin films” The 4th International Workshop on ZnO and Related Materials, 3-6 October 2006, Gissen, Germany <http://www.zno-giessen.de/>
35. S Christoulakis, M Suchea, N. Katsarakis, E Koudoumas “Europium and Samarium doped Calcium Sulfide thin films grown by PLD” EMRS Spring Meeting 29 May-2 June 2006, Nice, France
36. M Suchea, 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 May-2 June 2006, Nice, France ,
37. M. Suchea, S. Christoulakis, M. Katharakis, G. Kiriakidis, N. Katsarakis, E. Koudoumas, “Substrate temperature influence on the properties of nanostructured ZnO transparent ultrathin films grown by PLD” EMRS Spring Meeting 29 May-2 June 2006, Nice, France .
38. M. Suchea, N. Katsarakis, S. Christoulakis, K. Moscovis, S. Nikolopoulou, G. Kiriakidis “Low temperature indium oxide gas sensors”, Eurosensors XIX, Eurosensors 2005 Conference Barcelona, Spain, 11-14 September 2005
39. G. Kiriakidis, M. Suchea, S. Christoulakis, I. Stoimenos, , “Structural characterization of $\text{In}_2\text{O}_{3-x}$ thin films deposited by dc magnetron sputtering for ozone sensing applications” IMCS 2005 conference Brescia Italy
40. M Suchea, S Christoulakis, K Moschovis, N Katsarakis, G Kiriakidis, ‘ZnO Transparent Thin Films for Gas Sensor Applications’, 13th International Congress on Thin Films 8th International Conference on Atomically Controlled Surfaces, Interfaces and Nanostructures ICTF 13/ACSIN 8, Stockholm, Swedeen, 19-23 June, 2005.
41. S. Christoulakis, M. Katharakis, N. Katsarakis, M. Koudoumas, M. Suchea, K. Savvakis, T. Efthimiopoulos, G. Kiriakidis, “Surface ZnO Microstructures manufactured by PLD method” (“Επιφανειακές Μικροδομές ZnO με τη μέθοδο PLD”), 20th Panhellenic Conference on Solid State Physics & Materials Science (XX ΠΣΣΥ), Ioannina – Greece, 26-29 September, 2004 (in Greek).
42. M. Suchea, N. Katsarakis, M. Nikolopoulou, S. Christoulakis, K. Moschovis, E. Gagaoudakis, M. Katharakis, G. Kiriakidis “Conductivity Change of InOx Thin Films in function of thickness” (“Μεταβολή Αγωγιμότητας Υμενίων InOx Συναρτήσει του Πάχους και της Έκθεσης σε UV”), 20th

Panhellenic Conference on Solid State Physics & Materials Science (XX ΠΣΣΥ), Ioannina – Greece, 26-29 September, 2004 (in Greek).

43. M. Suchea, G. Kiriakidis, "Atomic Force Microscopy Analysis of Polycrystalline Indium Oxide Thin films", 19-th Panhellenic Conference in Solid State and Materials Science, Tessaloniki, Greece, October, 2003.