



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) Veronica SATULU
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Nationality Romanian

Date of birth 09.01.1979

Gender Female

Marital status Married

**Desired employment /
Occupational field** Scientific Researcher IIIrd degree

Work experience

Dates	July 2020 onwards
Occupation or position held	Scientific researcher III rd degree
Main activities and responsibilities	Development of various types of composite membranes by means of plasma deposition techniques. Synthesis of metal-polymer or polymer-polymer composites by combined plasma techniques, plasma enhanced chemical vapor deposition and magnetron sputtering. Material characterization and data processing and interpretation from the following techniques: XPS, FTIR, SEM, AFM, SE and WCA
Name and address of employer	National Institute for Lasers, Plasma and Radiation Physics, Atomistilor 409, Magurele, Ilfov
Type of business or sector	Research and development
Dates	January 2011 onwards
Occupation or position held	Scientific researcher
Main activities and responsibilities	Synthesis of metal-polymer composites by double discharge techniques, plasma enhanced chemical vapor deposition and magnetron sputtering
Name and address of employer	National Institute for Lasers, Plasma and Radiation Physics, Atomistilor 409, Magurele, Ilfov
Type of business or sector	Research and development
Dates	July 2008-December 2010
Occupation or position held	Permanent employed research assistant

Main activities and responsibilities	Thin films deposition by plasma polymerization and characterization of these by Atomic Force Microscopy, Spectroscopic Ellipsometry methods, Fourier Transform Infrared Spectroscopy and X-ray Photoelectron Spectroscopy Synthesis by plasma polymerization of composite membranes for charge transport in solution
Name and address of employer	National Institute for Lasers, Plasma and Radiation Physics, Atomistilor 409, Magurele, Ilfov
Type of business or sector	Research and development
Dates	January 2008 – June 2008
Occupation or position held	Part time research assistant
Main activities and responsibilities	Composite membranes for charge transport in solution obtained by plasma polymerization
Name and address of employer	National Institute for Lasers, Plasma and Radiation Physics, Atomistilor 409, Magurele, Ilfov
Type of business or sector	Research and development

Dates	November 2005-December 2007
Occupation or position held	Technician
Main activities and responsibilities	Low temperature plasma treatment of nanoporous track membranes
Name and address of employer	National Institute for Lasers, Plasma and Radiation Physics, Atomistilor 409, Magurele, Ilfov
Type of business or sector	Research and development

Education and training

Dates	2008-2011
Title of qualification awarded	PhD degree
Principal subjects/occupational skills covered	Organic thin films deposition by plasma techniques
Name and type of organisation providing education and training	University of Bucharest, Doctoral School of Physics
Level in national or international classification	
Dates	2007-2009
Title of qualification awarded	Master
Principal subjects/occupational skills covered	Plasma deposition of polymeric thin films started from pentacyclic monomers
Name and type of organisation providing education and training	University of Bucharest, Faculty of Physics
Level in national or international classification	
Dates	1999-2007
Title of qualification awarded	Diplomat Physicist
Principal subjects/occupational skills covered	Plasma deposition of polymeric thin films and their characterization
Name and type of organisation providing education and training	University of Bucharest, Faculty of Physics
Level in national or international classification	

Personal skills and competences

Mother tongue(s)	Romanian				
Other language(s)					
Self-assessment	Understanding		Speaking		Writing
European level (*)	Listening	Reading	Spoken interaction	Spoken production	
English	B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user	B2 Independent user

Language

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences	Very good ability in cooperation and working with other people, very competent in team work communication, and strong team spirit; Good ability for adapting in multicultural environments, gained through my work experience abroad.
Organisational skills and competences	Very good skills in focusing and organization of work projects. Good ability for management of activities of other partners involved in the work projects. Very competent in planning activities and time management for various many tasks. Great attention to detail and ability to prioritize the work.
Technical skills and competences	Laboratory practice, developed by 5 years of studies in Faculty of Physics laboratories, and more than fourteen years in research laboratory. Very good skills in manipulation and working with research equipment and other technological instruments.
Computer skills and competences	Competent with Microsoft Word, Excel, PowerPoint, Outlook, Origin programs
Artistic skills and competences	
Other skills and competences	
Driving licence	B, since 2004

Additional information

Scientific stages abroad	University of Trento, Italy, Marie Curie Training Courses "Micro and Nano Deposition - deposition for sensors and biomedics, October 19- 22, 2008 University of Bari, Chemistry Department, Italy, scientific stage, May 5-August 6, 2010 (project POSDRU/6/1.5/S/10)
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Work experience as participant within other programmes/projects national/international

Key person in the frame of national projects

- PN 16 47 01 04 - "Applied research with lasers, plasma and radiation for the development of emerging technologies (in the field of health, energy, security and environment)"-2016-2017 - reporting scientific achievements in the field of plasma synthesis of planar structures with alternating properties, synthesis and characterization of multicomponent structures based on hydrogenated layers alternated with fluorinated layers by means of plasma enhanced chemical vapor deposition and magnetron sputtering techniques.
- PNCDI – II, Human Resources programme, Project TE_229/2010 – „Metal polymer nanocomposites obtained by combined plasma techniques" - synthesis of nanocomposite materials with SPR characteristics by combining plasma enhanced chemical vapor deposition of polymeric matrices and magnetron sputtering technique for metallic nanoparticles inclusions. The simultaneous and sequentially operation of the plasma sources was also investigated.
- PNCDI –II, Partnership Programme, Project D11 - 032/2007 "Organic thin films for flexible and transparent electronics" (ELECTRA) - 2007 – 2010; In the frame of this project, I was involved in plasma based synthesis of conductive polymers in various RF discharge configurations, internal electrodes configuration, external electrodes configuration and post discharge configuration, the achieved scientific results being exploited in the PhD thesis

National project participation

- Project 8/2006 - "Plasma modification of Nuclear Track Membranes" (TRACK): July 2006- November 2008;
- Project D11 - 032/2007 "Organic thin films for flexible and transparent electronics" (ELECTRA) - September 2007 – September 2010;
- Project D71-226 - "Plasma processing for extended lifetime endoureteral prosthesis catheters" (CATENDO): October 2008 – 2011

International projects

- 2008-2011, PhD grant in the field of plasma physics funded by European Social Funds through the POSDRU/6/1.5/S/10 project.
- Bilateral project, according to cooperation, Protocol no. 3581-5-04/08 of the fulfilment of joint research work JINR and NILPRP), Theme no. 07-5-1013 - "Use of plasma discharge for formation of structure and surface track membranes with the purpose of controllable change their transport properties- 2006- 2008
- Bilateral project, according to cooperation protocol, Protocol no. 4429-5-09/16 of the fulfilment of joint research work JINR and NILPRP with the follows research themes: Theme no. 04-5-1076 – Use of plasma of organic compounds for treatment of track membranes with the purpose of creation of micro- and nanofluidic diodes – 2014-2016; Theme no. 04-5-1076 – "Plasma treatment of track membranes for biomedical and nanotechnological applications"-2012-2014; Theme no. 04-5-1076 – "Use of plasma discharge for formation of structure and surface of track membranes with the purpose of creation of composite nanomembranes with asymmetry of conductivity -2009-2011
- Bilateral project, according to cooperation protocol, 4648-5-17/21 of the fulfilment of joint research work JINR and NILPRP with the follows research themes: Theme no 04-5-1131 - Synthesis of two-layer composite nano-membranes with hydrophobic polymer layers and study of their charge transfer properties – 2017-2019; Theme no. 04-5-1131 - Synthesis and investigation of hydrophobic/ hydrophilic nuclear track membranes with applicative potential in the field of membrane separation technology – 2019-2021
- Horizon 2020 Programmes, ERA-NET project 31/2016, "Novel type of antibacterial coatings on textile materials and plastics with controllable release of antibacterial agent" - PlasmaTex.
- Horizon 2020 Programmes, MANUNET project 28/2018, "Manufacturing textiles with electromagnetic shielding and fire-retardant properties by plasma-based methods

Annexes

- I. List of papers published in ISI international Journals
- II. ISI indexed proceeding papers
- III. Proceedings in extenso at International Conferences
- IV. Scientific contributions at International Conferences

I. List of papers published in ISI international Journals

1. T. Spataru, M. A. Mihai, L. Preda, M. Marcu, M. M. Radu, N. D. Becherescu, A.Velea, M. Y. Zaki, R. Udrea, V. Satulu, N. Spataru, Enhanced photoelectrochemical activity of WO₃-decorated native titania films by mild laser treatment, *Applied Surface Science*, Vol. 596, Article no. 153682, 2022
2. Laser ablation of a solid target in liquid medium for beryllium nanoparticles synthesis, S.-A. Yehia, L. G. Carpen, F. Stokker-Cheregi, C. Porosnicu, V. Satulu, C. Staicu, B. Butoi, I. Lungu, F. Viro, C. Grisolia, G. Dinescu, Laser ablation of a solid target in liquid medium for beryllium nanoparticles synthesis, *Nuclear Materials and Energy*, Vol. 31, Article no. 101160, 2022,
3. L. I. Kravets, V. A. Altyonov, M. A. Yarmolenko, R. V. Gainutdinov, V. Satulu, B. Mitu, G. Dinescu, Deposition of Hydrophobic Polymer Coatings on the Surface of Track-Etched Membranes from an Active Gas Phase, *Membranes and Membrane Technologies*, Vol. 4, Issue 2, pages133–143, 2022
4. V. Satulu, V. Dinca, M. Bacalum, C. Mustaciosu, B. Mitu, G. Dinescu, Chemistry-Induced Effects on Cell Behavior upon Plasma Treatment of pNIPAAm, *Polymers*, Vol 14, Issue 6, Article no. 1081, 2022
5. Tribological properties of ZrN coatings deposited by magnetron sputtering in reactive and non-reactive mode, Giagkas, N; Micu, IF; Vizireanu, S; Vasile, N; Bitu, BI; Satulu, V; Mihai, S; Manta, AM; Cursaru, DL, *DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES*, Vol. 6, Issue 2, Page 659-667, 2021
6. L. G. Carpen; T. Acsente; V. Satulu; E. Matei; S. Vizireanu; B. I. Bitu; G. Dinescu; Hybrid Nanostructures Obtained by Transport and Condensation of Tungsten Oxide Vapours onto CNW Templates; *Nanomaterials* Vol. 11, Issue 4 (2021) 835
7. Ioana Chiulan, Denis Mihaela Panaitescu, Elena-Ruxandra Radu, Sorin Vizireanu, Vera Sățulu, Biță Bogdan, Raluca August Gabor, Cristian Andi Nicolae, Monica Raduly, Sorin Valentin Rădițoiu, Influence of TEMPO oxidation on the properties of ethylene glycol methyl ether acrylate 2 grafted cellulose sponges, *Carbohydrated Polymer* 272(2021) 118458
8. Niemczyk, A; Brajnicov, S; Satulu, V; Baranowska, J; Mitu, B; Dinescu, M.; Towards Understanding the Chemical Structure Modification of EVA Copolymer upon MAPLE Processing of Thin Films, *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, Vol. 22, Issue 21, Article no. 11686, nov. 2021
9. M. E. Zarif, S. A. Yehia, B. Bitu, V. Satulu, S. Vizireanu, G. Dinescu, A. M. Holban, F. Marinescu, E. Andronescu, A. M. Grumezescu, A. C. Birca, T. A. Farcasiu, Atmospheric pressure plasma activation of hydroxyapatite to improve fluoride incorporation and modulate bacterial biofilm, *International Journal of Molecular Sciences*, Vol. 22, Issue 23, Article no. 13103, dec. 2021
10. T. Acsente; M. Istrate; V. Satulu; B. Bitu; G. Dinescu, Operation of a magnetron sputtering gas aggregation cluster source in plasma jet regime for synthesis of core-shell nanoparticles, *Journal of Physics D: Applied Physics*, Vol 54, Issue 2 (2021) 02LT01
11. I. Calina, M. Demeter, A. Scarisoreanu, V. Satulu, B. Mitu; One step e-beam radiation cross-linking of quaternary hydrogels dressings based on Chitosan-Poly (Vinyl-Pyrrolidone)-Poly (ethylene Glycol)-Poly (Acrylic acid); *International Journal of Molecular Sciences*, Vol. 21, Issue 23 (2020) 9236V. Marascu, C. Stancu, V. Satulu, A. Bonciu, Ch. Grisolia, G. Dinescu, Material erosion and dust production during tungsten exposure to Hollow-Cathode and Microjet Discharges, *APPLIED SCIENCES-BASEL*, Vol. 10, Issue 19 (2020) 6870
12. V. Satulu, B. Mitu, V. Ion, V. Marascu, E. Matei, C. Stancu, G. Dinescu, Combining fluorinated polymers with Ag nanoparticles as a route to enhance optical properties of composite materials, *Polymers* 12 (2020) 1640
13. V. Marascu, A Lazea–Stoyanova, A Bonciu, V Satulu, G Dinescu, Tungsten particles fabrication by a microjet discharge, *Materials Research Express* Vol. 7, Issue 6 (2020) 066509

14. V. Satulu, V. B. Mitu, A. M. Pandele, S. I. Voicu, L. Kravets, G. Dinescu; Composite polyethylene terephthalate track membranes with thin teflon-like layers: Preparation and surface properties; APPLIED SURFACE SCIENCE, Vol. 476, Pag. 452-459, Mai 2019
15. L. I. Kravets, V. A. Altynov, N. E. Lizunov, V. Satulu, B. Mitu, G. Dinescu, Formation of composite membranes with two hydrophobic layers by the plasma polymerization method, High Temperature Material Processes, Vol. 23, Issue 1, Pages 37-56, Published 2019,
16. L. I. Kravets, V. A. Altynov, M. Yu. Yablokov, A. B. Gilman, V. Satulu, B. Mitu, G. Dinescu, Investigation of Morphology and Chemical Structure of Nanosized Polytetrafluoroethylene Films Deposited on the Surface of Track-Etched Membranes by Plasma Processing, High Energy Chemistry, Volume: 52, Issue 4, Pag. 335-342, Published JUL 2018
17. S. Vizireanu, D. M. Panaitescu, C.A. Nicolae, A.N. Frone, I. Chiulan, M. D. Ionita, V. Satulu, L. G. Carpen, S. Petrescu, R. Birjega, G. Dinescu, Cellulose defibrillation and functionalization by plasma in liquid treatment, SCIENTIFIC REPORTS, Volume 8, Article Number 15473, Published OCT 19 2018
18. L. I. Kravets, V. A. Altynov, A. B. Gilman, M. Yu. Yablokov, V. Satulu, B. Mitu, G. Dinescu, Deposition of fluorinated polymer films onto track-etched membrane surface, Romanian Reports in Physics, Vol. 70, Issue 4, Article Number 516, Published 2018, impact factor 1.940
19. V. Satulu, B. Mitu, V. A. Altynov, N. E. Lizunov, L. Kravets, G. Dinescu, Synthesis and characterization of porous composite membranes with hydrophilic/hydrophobic sides, Thin Solid Films, Vol. 630, Pag. 92-99, Published MAY 30 2017
20. V. Satulu, M. D. Ionita, S. Vizireanu, B. Mitu, G. Dinescu, Plasma Processing with Fluorine Chemistry for Modification of Surfaces Wettability, Molecules, Vol. 21, Issue 12, Article Number 1711, Published DEC 2016
21. V. Satulu, V. Ion, G. Aldica, B. Mitu, G. Dinescu, In-situ iodine doped polythiophene-like thin films obtained by postdischarge RF plasma, Vol. 60, Issue 9-10, Pag. 1550-1560, Published 2015
22. L. I. Kravets, S. N. Dmitriev, V. Satulu, B. Mitu, G. Dinescu, FORMATION OF COMPOSITE POLYMER 'DIODE-LIKE' MEMBRANES, ROMANIAN REPORTS IN PHYSICS, Vol. 66, Issue 4, Pag. 1165-1179, Published 2014
23. V. Satulu, C. Stancu, V. Ion, M. Filipescu, B. Mitu, G. Dinescu, Sequential PECVD/PVD technique used for the synthesis of copper-polypyrrole nanocomposites with surface plasmon resonance effect, ROMANIAN REPORTS IN PHYSICS, Vol. 64(S), Pag. 1345-1353, Published 2012
24. L.I. Kravets, S.N. Dmitriev, V. Satulu, B. Mitu, G. Dinescu, Fabrication and electrochemical properties of polymer bilayered membranes, Surface & Coatings Technology, Vol, 205, Pag. S455-S461, Published 2011
25. L. I. Kravets, S. N. Dmitriev, V. A. Altynov, V. Satulu, B. Mitu, G. Dinescu, Fabrication of bilayered composite membranes with asymmetry of conductivity, Russian Journal of Electrochemistry, Vol. 47, No. 4, Pag. 470-481, Published 2011
26. L. I. Kravets, S. N. Dmitriev, V. Satulu, B. Mitu, G. Dinescu, Preparation of Polymeric Composite Nanomembranes with Conductivity Asymmetry, Russian Journal of Applied Chemistry, Vol. 83, Issue 9, Pag. 1628-1635, Published 2010
27. B. Mitu, V. Satulu, G. Dinescu, Mass Spectrometry diagnostic during RF plasma polymerization of thiophene vapours, Romania Journal of Physics, Vol. 56, pag. 120-125, Published 2011
28. V. Satulu, B. Mitu, A. C. Galca, G. V. Aldica, G. Dinescu, Polymer-like thin films obtained by RF plasma polymerization of pentacyclic monomers, Journal of Optoelectronics and Advanced Materials Vol. 12, Issue 3, Pag. 631 - 636, Published 2010
29. L. Kravets, S. Dmitriev, N. Lizunov, V. Satulu, B. Mitu, G. Dinescu, Properties of poly(ethylene terephthalate) track membranes with a polymer layer obtained by plasma polymerization of pyrrole vapors, Nuclear Instruments and Methods in Physics Research Section B-Beam Interactions with Materials and Atoms, Vol. 268, Issue 5, Pag. 485-492, Published 2010

30. L. Kravets, S. Dmitriev, G. Dinescu, A. Lazea, V. Satulu, Effect of Plasma Treatment on Polymer Track Membranes, Plasma Processes and Polymers, Vol. 6, (Suppl. S), Pag. S796-S802, Published 2009
31. L.I. Kravetz, V. Satulu, G. Dinescu, A.B. Gilman, N.E. Lizunov, Preparation of composite membranes by means of plasma polymerization of Thiophene, High Energy Chemistry, Vol. 42 Issue 5, Pag. 391-398, Published 2008
32. A. C. Galca, V. Satulu, M. D. Ionita, M. Bercu, E. Barna, M. Dumitru, B. Mitu, G. Dinescu, Optical and structural properties of polythiophene-like films deposited by plasma polymerization, Journal of Optoelectronics and Advanced Materials, Vol. 10, No. 8, pag. 2033 – 2037, Published August 2008

II. ISI indexed proceeding papers

1. I. Luciu, B. Mitu, V. Satulu, A. Matei, G. Dinescu, Low and Atmospheric Pressure Plasma Treatment of Natural Textile Fibers, Proceedings of the XXIIIrd International Symposium on Discharges and Electrical Insulation in Vacuum (ISDEIV 2008), Vol. 1 and 2, Book Series: Proceedings - International Symposium on Discharges and Electrical Insulation in Vacuum, Pag. 499-502, Published 2008
2. L. Kravets, S. Dmitriev, G. Dinescu, V. Satulu, A. Gilman, M. Yablokov, Polymer Composite Nanomembranes with Asymmetry of Conductivity, Advanced Materials Forum V, PT 1 and 2, Vol. 636-637, Pag. 812-818, Part 1-2, Published 2010
3. L. I. Kravets, A. B. Gilman, V. Satulu, B. Mitu, G. Dinescu, Preparation and Electrochemical Properties of Composite Polymer Membranes, 3rd International Advances in Applied Physics and Materials Science Congress, Book Series: AIP Conference Proceedings, Vol. 1569, Pag. 275-278, Published 2013
4. L. I. Kravets, S. N. Dmitriev, V. Satulu, B. Mitu, G. Dinescu, Structure and electrochemical properties of track membranes with a polymer layer obtained by plasma polymerization of acetylene, 4th International Workshop & Summer School on Plasma Physics 2010, Book Series: Journal of Physics Conference Series, Vol. 516, Article Number UNSP 012006, Published 2014

III. Proceedings in extenso at International Conferences

1. V. Satulu, B. Mitu, I. R. Radulescu, R. M. Aileni, G. Dinescu, Preparation of superhydrophobic cotton fabrics based on fluorocarbon compounds by plasma methods, 24th International Symposium on Plasma Chemistry, June 9-14, 2019, Naples, Italy, <https://www.ispc-conference.org/ispcproc/ispc24/512.pdf>
2. Kravets L.I., Altynov V.A., Gilman A.B., Yablokov M.Yu., Satulu V., Mitu B., Dinescu G. Investigation of the chemical composition of the nanoscale polytetrafluoroethylene-like films deposited onto the surface of the track-etched membranes in vacuum, Proc. of the XIV International Conference "Vacuum Equipment, Materials and Technology." Congress & Exhibition Centre, Moscow, Russia. April 16-17, 2019, pages 156-161.
3. Kravets L.I., Gilman A.B., Satulu V., Mitu B., Dinescu G. Deposition of nanoscale films of polymers onto the surface of track membranes by polymerization in plasma, Proc. of the XIV International Conference "Films and Coatings – 2019." Sankt-Petersburg, Russia. May 14-16, 2019., pages 351-355
4. Dinescu G, Vizireanu S, Acsente T, Lazea A, Mitu B, Marascu V, Stancu C, Ionita E R, Teodorescu M, Ionita M D, Stoica S D, Satulu V, Carpen L. G., Plasma processing of nanomaterials at low and atmospheric pressure, Proceeding of ESCAMPIG XXIV, pag 411-412

5. S.D. Stoica, V. Satulu, T. Acsente, B. Mitu, G. Dinescu, Monitoring the hydrogenated/fluorinated carbon layers deposition by Optical Emission Spectroscopy, Proceeding of ESCAMPIG XXIV, Glasgow, Scotland, July 17-21, 2018, 2 pages (pag 241-242)
6. Kravets L.I., Gainutdinov R.V., Gilman A.B., Yablokov M.Yu, Satulu V., Mitu B., Dinescu G., Study of surface morphology and contact properties of polytetrafluoroethylene films deposited onto track-etched membrane surface in vacuum, Proceeding. of the XIII International Sokolniki Culture & Exhibition Centre, Russia. April 24-26, 2018, Pp. 139-143
7. L. Kravets, N. Lizunov, A. Gilman, V. Satulu, B. Mitu, G. Dinescu, Composite membranes with two hydrophobic layers obtained by plasma polymerization, Proceeding of IXth International Conference "Plasma Physics and Plasma Technology", 4 pages (381-384), Minsk, Belarus, 17-21 September 2018
8. L.I. Kravets, V.F. Zagonenko, N.E. Lizunov, V. Satulu, B. Mitu, G. Dinescu, Deposition of polymer films on the surface of polypropylene track membrane by plasma polymerization of hexamethyldisilazane, Proceeding of the XIIth International Conference "Vacuum Equipment, Materials and Technology " Congress & Exhibition Centre, Moscow, Russia. April 11-13, 2017. Pag. 207-212
9. M.D. Ionita, E.R. Ionita, V. Satulu, M. De Vrieze, A. Zille, M. Modic, B. Mitu, A. Nikiforov, C. Leys, G. Dinescu, Antibacterial nanocomposites based on Ag NPs and HMDSO deposited by atmospheric pressure plasma, 23rd International Symposium on Plasma Chemistry (ISPC 23), Montreal, Canada, July 30- August 4, 2017, ID 793
10. V. Satulu, B. Mitu, L. Kravets, G. Dinescu, Hydrophilic-hydrophobic bilayer membranes with diode-like effect, 23rd International Symposium on Plasma Chemistry, Montreal, Canada, July 30-August 4, 2017, ID 363
11. V. Satulu, V. Ion, B. Mitu, G. Dinescu, Dielectric Properties of Magnetron Sputtered PTFE Thin Films, XXXIIIrd International Conference on Phenomena in Ionized Gases, Estoril-Lisbon, Portugal, July 9-14, 2017, ID 407
12. Kravets L.I., Altynov V.A., Akhmetsharipova T.K., Satulu V., Mitu B., Dinescu G., Properties of poly(ethylene terephthalate) track membranes with polymer layer formed by magnetron sputtering of polytetrafluoroethylene in vacuum, XIth International Conference "Vacuum Equipment, Materials and Technology." Congress & Exhibition Centre, Moscow, Russia. April 12-14, 2016. Pag. 190-194
13. V. Satulu, B. Mitu, I. Sarbu, D. Pelinescu, S. Somacescu, G. Dinescu/ Plasma-induced graft polymerization of silver nanoparticles dispersed in ethylene glycol onto polymeric foils for antimicrobial surfaces, 23rd Europhysics Conference on Atomic and Molecular Physics of Ionized Gases (ESCAMPIG), Bratislava, Slovakia, July 12-16 2016, ISBN 979-10-96389-02-5
14. Kravets, L.I; Gilman, A.B; Yablokov, M.Yu; Satulu, V; Mitu, B; Dinescu, G; "A novel technique for fabrication of nanofluidic devices with polymer film formed by plasma"; Proceeding paper of the VIIIth International Conference "Plasma Physics and Plasma Technology"; 14-18 September 2015, Minsk, Belarus
15. Kravets, LI; Gilman, AB; Yablokov, MYu; Satulu, V; Mitu, B; Dinescu, G; "Formation of smart membranes by the method of plasma polymerization"; Proceeding paper of the Xth International Conference "Vacuum Equipment, Materials and Technology"; 14-16, April 2015; Moscow, Sokolniki Culture & Exhibition Centre, Russia; Pag. 233-237
16. Kravets, LI; Lizunov, N; Gilman, AB; Yablokov, MYu; Satulu, V; Mitu, B; Dinescu, G; „Modification of track membranes by plasma for creation of nanofluidic diodes"; Proceeding paper of the National Conference "Applied aspects of high energy chemistry"; 20-22 October, 2015; Moscow, Russia; 6 pages

17. Kravets, L; Lizunov, N; Satulu, V; Mitu, B; Dinescu, G; "Properties of track membranes with polymer layer obtained by plasma polymerization method"; Proceeding paper of the International Conference "Ion Transport in Organic and Inorganic Membranes" 25-30 May 2015; Krasnodar, Russia; Pag. 151-153
18. Satulu V; Dinca V; Bacalum M; Mustaciosu C; Mitu B; Dinescu G; "Cells behaviours on argon plasma treated pNIPAAm thin films"; 32nd International Conference on Phenomena in Ionized Gases (ICPIG), 26-31 July 2015, Iasi, Romania, 4 pages extended proceedings, http://www.icpig2015.net/Content/Posters/id154_Bogdana_MITU.pdf
19. Kravets L; Gilman AB; Yablokov M; Satulu V; Mitu B; Dinescu G; "Structure and electrotransport properties of track-etched membranes modified by plasma polymerization of organic compounds"; 22nd International Symposium on Plasma Chemistry (ISPC), 5-10 July 2015, Antwerp, Belgium, 4 pages, <http://www.ispc-conference.org/ispcproc/ispc22/P-III-6-27.pdf>
20. L I Kravets, S. N. Dmitriev, V Satulu, B Mitu, G Dinescu, Structure and electrochemical properties of track membranes with a polymer layer obtained by plasma polymerization of acetylene, Journal of Physics: Conference Series 516 (2014) 012006, doi:10.1088/1742-6596/516/1/012006
21. L. Kravets, A. Gilman, M. Yablokov, V. Satulu, B. Mitu, G. Dinescu, Modification of Track membranes in Plasma for Producing Micro- and Nanofluidic diodes, The International Conference "The Physics of Low Temperature Plasma" (ICLTP 2014), May 20 - 23, 2014, Kazan, pages 256-260
22. L.I. Kravets, A.B. Gilman, M.Yu. Yablokov, V. Satulu, B. Mitu, G. Dinescu, Nanofluidic diodes based on the track membranes modified by plasma, Proceedings of the IXth International Conference "Vacuum Equipment, Materials and Technology", April 15-17, 2014, Moscow, Russia, pag. 195-199
23. V. Satulu, I. Sarbu, D. Pelinescu, L.C. Nistor, B. Mitu, G. Dinescu/ Copper-polysiloxane composites obtained by combined PVD/PECVD techniques working in sequential and simultaneous modes/ Proceedings of 21st International Symposium on Plasma Chemistry, August 4-9, 2013 Cairns, Australia, <http://www.ispc-conference.org/ispcproc/ispc21/ID282.pdf>
24. Mitu B; Satulu V; Dinescu G; "Plasma diagnostics during synthesis of copper organosilicon composites films"; Proceedings of 19th International Symposium on Plasma Chemistry, July 24-29 July, 2011, Philadelphia, USA; published online http://ispc20.plasmainstitute.org/my_ispc/papers/237.pdf
25. Kravets L I; Dmitriev S N; Goryacheva T A; Satulu V; Mitu B; Dinescu G; " Structure and electrochemical properties of the track membranes modified by tetrafluoroethane plasma"; Membranes and Membrane Technologies, Vol. 1, Issue 2, pag. 126-138, 2011 (in Russian)
26. Kravets L I; Dmitriev S N; Satulu V; Mitu B; Dinescu G; "Electrochemical properties of track membranes with polymer layer obtained by plasma polymerization method"; International Conference "Ion transport in organic and inorganic membranes", June 6-11, 2011. Krasnodar, Russia; pag. 107-109.
27. Kravets L I; Dmitriev S N; Satulu V; Mitu B; Dinescu G; "Electrochemical properties of bilayered polymer membranes obtained by plasma polymerization method"; 4th Central European Symposium on Plasma Chemistry, August 21-25, 2011, Zlatibor, Serbia; pag. 95-96
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2. Kravets L.I., Altyonov V.A., Gilman A.B., Yablokov M.Yu., Satulu V., Mitu B., Dinescu G. Morphology and chemical structure of nanosized polytetrafluoroethylene films deposited onto the track-etched membrane surface in vacuum, XIV Russian Conference "Membranes-2019.", Sochi, Russia, October 21-25, 2019, poster presentation
3. Stoica S.D., Mitu B., Satulu V., Dinescu G. Mass spectrometry investigation during magnetron sputtering of PTFE, XVIIIth International Conference on Plasma Physics and Application, 20-22 June 2019, Iasi, Romania, poster presentation
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35. L.I. Kravets, V.F. Zagonenko, N.E. Lizunov, V. Satulu, B. Mitu, G. Dinescu, Deposition of polymer films on the surface of polypropylene track membrane by plasma polymerization of hexamethyldisilazane, XIIth International Conference "Vacuum Equipment, Materials and Technology" Moscow, Russia. April 11-13, 2017, poster presentation
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47. B. Mitu, V. Satulu, S. Vizireanu, T. Acsente, L.C. Nistor, G. Dinescu, Nanocomposite materials obtained by plasma techniques and their applications, European Material Research Society – Spring Meeting, Lille France, May 2-6, 2016, **invited presentation**
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50. Kravets, L.I; Gilman, A.B; Yablokov, M.Yu; Satulu, V; Mitu, B; Dinescu, G; "A novel technique for fabrication of nanofluidic devices with polymer film formed by plasma"; VIIIth International Conference “Plasma Physics and Plasma Technology” September 14-18, 2015, Minsk, Belarus, poster presentation
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58. L. Kravets, A. Gilman, M. Yablokov, V. Satulu, B. Mitu, G. Dinescu, Modification of track membranes in plasma for producing micro- and nanofluidic diodes, International Conference „Physics of Low Temperature Plasma (ICLTP 2014), May 20 - 23, 2014, Kazan, **oral presentation**
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60. Satulu V., Mitu B., Ion V.; Sarbu I., Pelinescu D., Dinescu G., Polyethylene glycol-silver nanocomposite material for antimicrobial applications, Spring Meeting of the European Materials Research Society (E-MRS), May 26-30, 2014, Lille, France, poster presentation, code G.PII. 25
61. L.I. Kravets, A. B. Gil'man, V. Satulu, B. Mitu, G. Dinescu, Polymer composite "diode-like" membranes, MEMBRANES-2013, October 1-4, 2013 in "Klyazma, Russia, poster presentation, code 190
62. L. I. Kravets, S. N. Dimitriev, V. Satulu, B. Mitu/Formation of "diode-like" polymer membranes, 16th International Conference on Plasma Physics and Applications, June 20-25, Magurele-Bucharest, Romania, **oral presentation**, code O-14
63. V. Satulu, V. Dinca, M. Bacalum, C. Mustaciosu, I. Sarbu, D. Smarandache, B. Mitu, G. Dinescu, Cell adhesion control on plasma treated PNIPAM thin films, 16th International Conference on Plasma Physics and Applications, June 20-25, Magurele-Bucharest, Romania, poster presentation, code P5-03
64. V. Satulu, M. Bacalum, B. Mitu, G. Dinescu, Biocompatibility behaviour of the Ti and Cu polysiloxane nanocomposites synthesized in a hybrid PVD/PECVD system, Spring Meeting of the European Materials Research Society (E-MRS), May 28-30, Strasbourg, France, poster presentation, code cod P.II.34
65. V. Dinca, B. Mitu, V. Satulu, M. Bacalum, C. Mustaciosu, M. Filipescu, G. Dinescu, Cells behaviors on plasma treated PNIPAM thin films, Spring Meeting of the European Materials Research Society (E-MRS), May 28-30, Strasbourg, France, poster presentation, code P.II.9
66. V. Satulu, I. Sarbu, D.Pelinescu, L.C. Nistor, B. Mitu, G. Dinescu, Copper-polysiloxane composites obtained by combined PVD/PECVD techniques working in sequential and simultaneous modes, 21st International Symposium on Plasma Chemistry, August 4-9, 2013, Cairns, Australia, poster presentation, cod 282 PO
67. B. Mitu, V. Satulu, S. Vizireanu, T. Acsente, A. Lazea-Stoyanova, L.C. Nistor, G. Dinescu, Plasma deposition of composite materials with metallic inclusion, 18th International Summer School on Vacuum, Electron and Ion Technologies, Sozopol, Bulgaria, October 7 - 11, 2013, **invited lecture**, code IL-19
68. Kravets L I; Dimitriev S N; Satulu V; Mitu B; Dinescu G; "Structure and electrochemical properties of track -etched membranes with a plasma polymer top layer", 12th European Plasma Conference, June 24-29, 2012, Bologna, Italy; **oral presentation**
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70. Satulu V; Ion V; Lazea A I; Nistor L C; Mitu B; Dinescu G; "Plasma synthesis of copper-polythiophene nanocomposites and their characterization"; Spring Meeting of the European Materials Research Society (E-MRS), May14-18, 2012, Strasbourg, France; poster presentation, code UP-14-14
71. Mitu B; Satulu V; Dinescu G; "Plasma diagnostics during synthesis of copper organosilicon composites films"; 20th International Symposium on Plasma Chemistry – ISPC 20, July 24-29, 2011, Philadelphia, USA; poster presentation, code POL 18
72. Satulu V; Ion V; Aldica G; Mitu B; Dinescu G; "Properties of in-situ iodine doped polythiophene like thin films prepared by RF plasma"; Spring Meeting of the European Materials Research Society (E-MRS), May 9-13, 2011, Nice, France; code K-P-9 4
73. Mitu B; Satulu V; Birjega R; Nistor L C; Dinescu G; "Simultaneous PECVD/PVD technique used for the synthesis of metal-polymer nanocomposites"; Spring Meeting of the European Materials Research Society (E-MRS), May 9-13, 2011, Nice, France; poster presentation, code K-P-95
74. Kravets L I; Dmitriev S N; Satulu V; Mitu B; Dinescu G; "Properties of track membranes with a layer of semiconductive polymers obtained by plasma polymerization"; Vth Russian Kargin Conference "Polymers-2010", June 21-25, 2010, Moscow, poster presentation
75. Satulu V; Mitu B; Ion V; Adica G; Dinescu G; "Ex-situ iodine doping of pulsed plasma polymerization of thiophene"; 12th International Conference on Plasma Surface Engineering, September 13-17, 2010, Garmisch Partenkirchen, Germany; poster presentation, code PO2004
76. Satulu V; Mitu B; Ion V; Aldica G; Logofatu C; Dinescu G; "Comparative study of plasma polymerized thiophene thin films in direct discharge and postdischarge configurations"; 15th Intranational Conference on Plasma Physics and Applications, July 1-4, 2010, Iasi, Romania; poster presentation, code P4-04
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78. Kravets L I; Dmitriev S N; Goryacheva T A; Satulu V; Mitu B; Dinescu G; "Structure and electrochemical properties of track membranes modified by plasma of tetrafluoroethane", Russian Conference "Membranes-2010," October 4-8, 2010, Moscow, Russia; **oral presentation**, code OR71
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80. Kravets L I; Dmitriev S N; Satulu V; Mitu B; Dinescu G; "Structure and electrochemical properties of track membranes with a polymer layer obtained by plasma polymerization of acetylene"; 4th International Workshop and Summer School on Plasma Physics, July 5-10, 2010, Kiten, Bulgaria, **oral presentation**, code T2-04
81. Kravets L I; Dmitriev S N; Altynov V A; Goryacheva T A; Satulu V; Mitu B; Dinescu G; "Fabrication of bilayered composite membranes with asymmetry of conductivity"; 10th International Meeting "Fundamental problems of solids state ionics," June 14-16, 2010, Chernogolovka, Russia; **oral presentation**, code O-5.2
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83. I. Luciu, B. Mitu, V. Satulu, A. Matei, G. Dinescu, Low and Atmospheric Pressure Plasma Treatment of Natural Textile Fibers, XXIIIrd International Symposium on Discharges and Electrical Insulation in Vacuum, 15-19 September, 2008, Bucharest, Romania, poster presentation, number C1-P09 (2008)
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