



Curriculum Vitae

Personal information

MOISESCU Georgeta – Mihaela

Researcher identifiers	
ORCID	0000-0003-0017-6180
Researcher ID	N-6356-2017
Brain Map UEFISCDI	U-1700-039R-0234
Present position	
Date and Occupation held	Oct. 2020 - present Head of Biophysics and Cellular Biotechnology-Master Division, Research Excellence Center on Biophysics and Cellular Biotechnology (REC-BCB)
Name and address of employer	CDUMP, Biophysics and Cellular Biotechnology-Master Division, Faculty of Medicine, 8 Eroii Sanitari Blvd., Sector 5, 050474 Bucharest
Domain	University/Education and research
Main activities and responsibilities	Coordinator of Master Program Medical Biophysics and Cellular Biotechnology Coordinator of research activities of REC-BCB Developing curricula for Faculty of Medicine Other responsibilities acc. University Charter and Education Law no. 1/2011
Work experience	
Date and Occupation held	Oct. 2012 - present Associate Professor (Decision CDUMP 19132/1.10.2012)
	March 2008 - Sept. 2012 Lecturer (Decision CDUMP 8370/18.03.2008)
	Oct. 2005 - Feb. 2008 Assistant Professor (Decision CDUMP 10937/3.10.2005)
	Jan. 2016 - present Senior researcher (research grant-based) at REC-BCB

	Feb. 2002 - Dec. 2015
	Medical doctor (Decision CDUMP 1655/1.02.2002) (full time Feb. 2002 - Sept. 2005 and research grant-based Oct. 2005 - Dec. 2015) at Research Center in Biophysics
Name and address of employer	CDUMP, Biophysics and Cellular Biotechnology-Master Division, REC-BCB, Faculty of Medicine, 8 Eroii Sanitari Blvd., Sector 5, 050474 Bucharest
Domain	University/Education and research
Main activities and responsibilities	Didactic and scientific activities in the medical field
	<p><u>Didactic:</u> - courses and seminars (as titular teacher)</p> <ul style="list-style-type: none"> • Cellular and medical biotechnology - 1st year master • Interaction of electric and electromagnetic fields with biological tissues - 1st year master • Biophysics of apoptosis and elements of cell pathophysiology - 2nd year master <ul style="list-style-type: none"> - lectures at courses held by other teachers to master students - practical works with 1st and 2nd year master students - coordination of <i>Practical activity</i> - 2nd year master - evaluation of reports and presentations for <i>Journal clubs</i> and <i>Projects</i> - 1st and 2nd year master - courses and seminars at the optional course <i>Lasers - principles and applications in medicine and biomedical research</i> – 3rd year undergraduate <p><u>Research:</u> - management of research grants, experiments, data processing, submission of grant applications, scientific dissemination - main topics:</p> <ul style="list-style-type: none"> • Interactions of electric fields with living cells • Nanomaterials as drugs carriers into living cells • Biophysical evaluation of platelets in hematological pathologies <p><u>Other:</u> - member of admission and graduation committees - member of examination committees for academic and research positions - member of doctorate committees</p>
Date and Occupation held	Jan. 2001 - Jan. 2002
	Medical doctor (Contract MPS 1849014)
Name and address of employer	<i>Floreasca</i> Emergency Clinical Hospital, 8 Calea Floreasca, sector 1, Bucharest
Domain	Health/Clinical medicine
Main activities and responsibilities	Evaluation, diagnosis, and treatment of patients
<i>Education and training</i>	
Date	1994-2000
Title of qualification awarded	Doctor of Medicine, General Practitioner (Diploma 424/8.01.2001, serial S, no. 0015400)
Name and type of organization providing education and training	Carol Davila University of Medicine and Pharmacy, Faculty of Medicine, Bucharest
Date	2000 - 2002
Title of qualification awarded	Master of Science in Biophysics and Cellular Biotechnology (Diploma 5/10.01.2003, serial C, no. 0001405)
Name and type of organization providing education and training	Carol Davila University of Medicine and Pharmacy, Faculty of Medicine, Bucharest
Dissertation title	Effects of He-Ne laser on platelets aggregation, Coord. Prof. Eugenia Kovacs
Date	2003 - 2008
Title of qualification awarded	PhD in <i>Medicine</i> (Magna cum laudae) (Diploma 2669/26.05.2008, serial F, no. 0001065, Order of the Ministry of Education, Research and Youth no. 3439/12.03.2008)

Name and type of organization providing education and training	Carol Davila University of Medicine and Pharmacy, Bucharest
PhD title	Effects of electromagnetic fields on cell membrane and potential biomedical applications (GSM effects on fluid phase endocytosis and mitosis of cells in culture), Coord. Prof. Eugenia Kovacs
Date	2003 - 2008
Title of qualification awarded	PhD in <i>Pharmacy (Très Honorable)</i> (Diploma no. PARXI 6411009/15.02.2008, serial /2008200607041)
Name and type of organization providing education and training	Université Paris IX, France (thèse en cotutelle)
PhD title	Effets des champs électromagnétiques sur la membrane cellulaire et applications biomédicales potentielles (Effets des GSM sur l'endocytose en phase fluide et la mitose des cellules en culture), Coord. Directeur de Recherche Lluís M. Mir
Financial support during doctorate	<ul style="list-style-type: none"> • Jan.-Dec. 2003 - <i>Marie Curie</i> European Fellowship • Jan.-May 2005 - Romanian Government Fellowship • June- Sept. 2006 - EGIDE PhD Fellowship • Feb.-June 2007 - CNRS PhD Fellowship
Date	2010-2013
Title of qualification awarded	Post-Doctoral fellow
Name and type of organization providing education and training	Carol Davila University of Medicine and Pharmacy, Bucharest, <i>Supporting research by training specialists within the postdoctoral studies program POSDRU/89/1.5/S/64109</i>
Project	Combined biophysical methods for cellular study: from fundamental research to clinical application
Courses / schools / trainings	<ul style="list-style-type: none"> • 2018 (7-8.06) PHE Workshop on <i>Advanced Cell Culture: A Practical Approach</i>, Public Health England Institute, Coin Street Neighborhood Centre, London, UK • 2018 (23-25.02) Postgraduate course on <i>Integrative phytotherapy</i>, Biochemistry Dept./Faculty of Medicine, CDUMP, Bucharest, Romania • 2017 (6-9.06) Summer school on <i>Flow cytometry</i>, Platform of Biology and Systemic Ecology, Research Institute of the University of Bucharest, Romania • 2015 (5-8.05) Training school on <i>Clinical Trial Design and Management</i>, National University of Ireland, Galway, Ireland • 2014 (22-30.04) 7th International Course on <i>Biological effects of combined exposures to EMF and other chemical and physical agents</i>, Ettore Majorana Foundation, Erice, Italy • 2012 (18-24.11), 2011 (13-19.11) and 2003 (19-22.11) International scientific workshop and postgraduate course on <i>Electroporation based technologies and treatments</i>, University of Ljubljana, Ljubljana, Slovenia • 2004 (30.08-3.09) EMIL Summer School on <i>In-vivo Molecular Imaging</i>, Institut National des Sciences et Techniques Nucléaires - Commissariat à l'Energie Atomique (INSTN-CEA), Saclay, France • 2002 (26-30.08) Université européenne d'été <i>Approches pluridisciplinaires de la thérapie génique : du transfert de gène à la clinique</i>, IPBS, Université Paul-Sabatier, CNRS, INSERM, Toulouse, France • 2001 (nov.-dec.) Intensive postgraduate course on <i>Medical and surgical emergencies</i>, College of Physicians of Bucharest, Bucharest, Romania • 2001 (24-29.09) <i>International School of Biophysics</i>, Romanian Society of Pure and Applied Biophysics, Sovata, Romania
Research trainings	<p>Trainings from 1 week to 5 months as Guest Scientist</p> <ul style="list-style-type: none"> • Institute Gustave Roussy, CNRS UMR 8203 - Laboratoire de Vectorologie et Thérapeutiques Anticancéreuses, Villejuif, France, Supervisor DR L.M. Mir – 2019, 2016, 2014-2015, 2011-2012, 2008


	<ul style="list-style-type: none"> • Institute of Pharmacology and Structural Biology (IPBS), Laboratory of Cellular Biophysics, Toulouse, France, Supervisors DR J. Teissié, DR M.-P. Rols – 2014 • Université Laval, Faculté des Sciences de l'Agriculture et de l'Alimentation, Québec, Canada, Supervisor Prof. J.L. Bailey – 2012 • Université de Limoges, XLIM, CNRS UMR 7252 - BioElectroMagnetics, Limoges, France, Supervisor DR P. Levêque – 2019, 2011-2012 • University of Ljubljana, Faculty of Electrical Engineering, Laboratory of Biocybernetics, Ljubljana, Slovenia, Supervisor Prof. D. Miklavčić – 2012-2013, 2010-2011 • Université Catholique de Louvain, Cellular and Molecular Pharmacology Unit, Brussels, Belgium, Supervisor Prof. M.-P. Mingeot-Leclercq – 2010 • National Technical University of Athens, Department of Physics, Division on Development of Lasers, Athens, Greece, Supervisors Prof. A.-P. Serafetinides, Prof. M. Makropoulou – 2006-2007, 2002-2003 																													
Personal skills and competences																														
Mother tongue	Romanian																													
Other language(s)	English, French (DALF Certificate - French Cultural Institute, Bucharest), Spanish																													
Self-assessment *	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">Understanding</th> <th colspan="2">Speaking</th> <th>Writing</th> </tr> <tr> <th>Listening</th> <th>Reading</th> <th>Spoken interaction</th> <th>Spoken production</th> <th></th> </tr> </thead> <tbody> <tr> <td>French</td> <td>C2</td> <td>C2</td> <td>C2</td> <td>C2</td> <td>C2</td> </tr> <tr> <td>English</td> <td>C2</td> <td>C2</td> <td>C1</td> <td>C2</td> <td>C1</td> </tr> <tr> <td>Spanish</td> <td>B1</td> <td>B1</td> <td>A2</td> <td>A2</td> <td>A2</td> </tr> </tbody> </table> <p>Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user (*) Common European Framework of Reference for Languages</p>		Understanding		Speaking		Writing	Listening	Reading	Spoken interaction	Spoken production		French	C2	C2	C2	C2	C2	English	C2	C2	C1	C2	C1	Spanish	B1	B1	A2	A2	A2
	Understanding		Speaking		Writing																									
	Listening	Reading	Spoken interaction	Spoken production																										
French	C2	C2	C2	C2	C2																									
English	C2	C2	C1	C2	C1																									
Spanish	B1	B1	A2	A2	A2																									
Social skills and competences	I developed very good living and working skills in multicultural environments during my PhD studies at the Gustave Roussy Institute, in Paris and during the international research internships spent in European and Canadian laboratories																													
Technical skills and competences	Electroporation and dielectrophoresis of cells in suspension, cell culture, fluorescence spectroscopy, fluorescence microscopy, nanoparticle biocompatibility evaluation																													
Communication skills and competences	<ul style="list-style-type: none"> • Very good communication and integration skills obtained by attending scientific congresses, workshops and courses, both national and international - I am co-author of 124 poster and 72 oral presentations (2001-present). • Very good mediating skills obtained by coordinating the Short-Term Scientific Missions within the European COST Action TD 1104 <i>European network for development of electroporation-based technologies and treatments EP4Bio2Med</i> (network of 36 European and non-EU research institutes). • Good argumentative - invited by the <i>Knowledge4Innovation Forum</i> and <i>COST Association</i> I gave talks during the <i>7th European Innovation Summit</i> held at European Parliament in Brussels on Dec. 7-10, 2015, at the: <ul style="list-style-type: none"> - Breakfast debate: The Power of Leverage in the Process of Innovation - Plenary session: The Next Generation - Mobility, Jobs and Entrepreneurship 																													
Organizational skills and competences	<ul style="list-style-type: none"> ✓ Oct. 2020-present Head of Biophysics and Cellular Biotechnology-Master Division, REC-BCB, CDUMP ✓ 2003-present Research grants management - see <i>Annex 1</i> ✓ <i>Vice-President</i> (2018-present) and <i>Secretary General</i> (2009-2013 and 2013-2017-extended 2018) of the Romanian Society of Pure and Applied Biophysics (SRBPA) ✓ <i>Member</i> of the Society Development and Awards and Recognition Committees of the International Society for Electroporation-based Technologies and Treatments (ISEBTT) 																													

Organizational skills and competences	<ul style="list-style-type: none"> ✓ Co-organizer of national and international scientific events: <ul style="list-style-type: none"> - <i>Co-chair</i> of 1st and 2nd International Course <i>Electroporation for Medicine: Basic Knowledge, Applications and Technologies</i>, Oct. 2012 and June 2015, Bucharest-RO - <i>Co-organizer of session</i> at the XXVIth International Symposium on Bioelectrochemistry and Bioenergetics of the Bioelectrochemical Society, May 9-13, 2021, Cluj-Napoca-RO - <i>Member of Scientific Program and/or Organizing Committees</i> of National Conferences of Biophysics with international participation: CNB2022, CNB2020, CNB2018, CNB2016, CNB2015, CNB2013, CNB2011, CNB2009 - <i>Member of Scientific Program Committee</i> of World Congresses on Electroporation and Pulsed Electric Fields in Biology, Medicine, and Food & Environmental Technologies: 1st in Portoroz-SI 2015, 2nd in Norfolk-USA 2017, 3rd in Toulouse-FR 2019, 4th in Copenhagen-DK 2022 - <i>Organizer of session</i> at the Congresses of the University of Medicine and Pharmacy Carol Davila, June 2018 and May 2015, Bucharest-RO - <i>School Secretary</i> of International Schools <i>Biophysics & Bioelectrochemistry for Medicine</i> in Oct.1-6, 2010, Vulcan-RO and May 6-10, 2009, Cislădioara-RO - <i>Symposium Secretary</i> of XXth International Symposium on Bioelectrochemistry and Bioenergetics, May 10-14, 2009, Sibiu-RO - <i>Member of Organizing Committee</i> of SRBPA International Biophysics Schools of Poiana Braşov-RO, Oct 3-8, 2005 and Timișu de Sus-Predeal-RO, Oct 7-12, 2003
Computer skills and competences	Good command of Microsoft Office tools (Word, Excel and PowerPoint), Origin, Zeiss-AxioVision, Corel Draw, Image J
Artistic skills and competences	I play viola for family and friends
Driver license	B
Volunteer activity	Member of UNDA∞ART Cultural Association, Bucharest Member of AMMA Association, Bucharest
Scientific activity	
Hirsch Index	10 (Clarivate), 10 (Scopus), 12 (Google Scholar)
Citations (wo self-citations)	264 (Clarivate), 286 (Scopus), 425 (Google Scholar)
ISI indexed Publications	49 - <i>see Annex 2 from which</i> 25 original articles in journals with IF, 16 meeting abstracts in journals with IF
Cumulative impact factor	152.66 (articles + abstracts, ISI indexed publications)
BDI Publications	11 original articles
Presentations to Scientific meetings	72 oral, 124 poster
Research Grants	42 (13 international collaborations, 28 national funds, 1 services) - <i>see Annex 1 from which</i> 12 as Coordinator or Partner Responsible (6 international collaborations, 5 national funds, 1 services)
Patents	<ol style="list-style-type: none"> 1. OSIM Decision No. 4.4/90 from 30.05.2022 Method for classification of the malignancy grade of tissue biopsies using digital holographic microscopy Registration Code: A/00591 from 24.09.2019 Co-inventors: Călin VL, Mihăilescu M, Moiescu MG, Savopol T 2. Patent request A/00857 from 4.12.2019 In vitro testing system of cells (cultures) proliferation on mechanically stressed environments in controlled atmosphere Co-inventors: Miclea CF, Miclea C, Cioangher M, Amarande L, Miclea LC, Moiescu MG, Savopol T

Reviewer for Scientific journals	<ul style="list-style-type: none"> • <i>Advisory Editors Member</i> of European Biophysics Journal with Biophysics Letters (www.springer.com), 2017-present • <i>Reviewer</i> for Bioelectrochemistry Journal (www.journals.elsevier.com), 2013, 2014, 2016 • <i>Editorial Board Member</i> of Romanian Journal of Biophysics (www.rjb.ro, Romanian Academy Publishing House), 2009-present
Member of Scientific societies	<ul style="list-style-type: none"> • International Society for Electroporation-based Technologies and Treatments (ISEBTT) (www.electroporation.net): <ul style="list-style-type: none"> - voting member 2015-present - member of the Society Development Committee - member of the Society Awards and Recognition Committee • European BioElectromagnetics Association (EBEA) (www.ebea.org) – member 2013-2014 • Bioelectrochemical Society (BES) (www.bioelectrochemical-soc.org) – voting member 2003-2012 and 2021-present • Romanian Society of Pure and Applied Biophysics (SRBPA) (www.biophysicsnet.ro) affiliated EBSA and IUPAB: <ul style="list-style-type: none"> - voting member 2001-present - Vice-president (2018-present) - General Secretary (2009-2013 and 2013-2017-extended 2018) - Society voting representative to IUPAB (International Union of Pure and Applied Biophysics) in 2011-2013 and 2020-present
Other	<i>External reviewer</i> for 2018 FONDECYT Regular Competition, Chilean National Commission for Scientific and Technological Research
Supplementary information	Annexes 1 and 2

Date,
29.07.2022

MOISESCU Georgeta – Mihaela



Annex 1 - Research grants

- **On-going**
 - PNIII PED 596/2022 Optoelectric microfluidic system for tumor cells characterization and separation according to their malignancy grade (TUMOSIGN) (2022-2024) - *Senior researcher*
 - PNIII PED 525/2020 Nanoplatform for natural and synthetic compounds with synergistic cytostatic effect (CYTOSIN) (2020-2022) - *Partner Responsible*
 - H2020-MSCA-ITN-2019 Project n° 861423 European Network for integrated TRAINing on Innovative Therapies for VISion RestoratiON (ENTRAIN VISION) (2020-2024) - *ESR co-supervisor*
- **Completed**
 - PNIII PCCDI 58/2018 New methodologies for diagnostic and treatment: challenges and technological solutions based on nanomaterials and biomaterials (SANOMAT) (2018-2021) - *Partner Responsible*
 - PNIII 141PED/2017 Role of microparticles in the pathogenetic mechanisms of vascular complications in patients with chronic myeloproliferative disease (PARTE-MPN) (2017-2018) - *Partner Responsible*
 - PN-II-PT-PCCA-2013-4-2208 / 194 Simulation and modeling of telocytes behavior in signaling processes and tissue regeneration (TELOSIM) (2014-2017) - *Senior researcher*
 - European COST Action TD 1104 European network for development of electroporation-based technologies and treatments EP4Bio2Med (www.electroporation.net) – network of 36 institutes from EU and non-EU countries (2011-2016) - *Short Term Scientific Missions Coordinator*
 - Contract of scientific services / 01.07.2015 with the National Institute for Chemical-Pharmaceutical Research and Development (ICCF) of Bucharest Evaluation of antitumor activity of 4 vegetal extracts (2015) - *Responsible for executing institution*
 - Idei complexe PNII - ID_1/2012 Ionic detection and separation by means of cyclic peptides, cyclodextrins and protein pores (BIOSENS) (2012-2016) - *Senior researcher*
 - PN-II-PT-PCCA-2011-3.2-0437/1 /2012 Drug delivery systems based on mesoporous inorganic matrices (MESODRUG) (2012-2016) - *Senior researcher*
 - PN-II-PT-PCCA-2011-3.1-0553 /1 Myometrial interstitial cells - morphological, biophysical and bioelectrochemical characterization. New perspectives on the contractility of the human uterus and myometrial regeneration (INTERCELL) (2012-2016) - *Senior researcher*
 - Agreement CNRS France-Romanian Academy Study of electrical behavior of partially permeabilized membranes using dielectrophoresis, Bilateral collaboration with CNRS-UMR8203, France (2014-2015) - *Responsible for Romanian Partner*
 - Capacități PNII - COPBIL 73/2012 Dielectrophoresis as a method of manipulation and characterization of electroporated cells, Bilateral collaboration with University of Ljubljana, Slovenia (2012-2013) - *Responsible for Romanian Partner*
 - Capacități PNII - COPBIL 494/2011 Combining optical and electrical tweezers for biophysical characterization of electroporated cells, Bilateral collaboration with CNRS-UMR8203, France (2011-2012) - *Responsible for Romanian Partner*
 - Capacități PNII - COPBIL 413/2010 Study of electrical properties and functional status of electroporated cells, Bilateral collaboration with University of Ljubljana, Slovenia (2010-2011) - *Responsible for Romanian Partner*
 - PIRSES-GA-2011-295137 FP7-Marie-Curie – Advanced Studies on Improving Sheep Fertility by Using Artificial Means of Reproduction (2012-2013) - *Member of Romanian team*
 - Idei PNII - ID_1195 Contract 1193/2008 The study of cellular stress induced by therapeutic electroporation (2009-2011) - *Project Coordinator*
 - BioNanopulse 2010 BQR Actions Internationales de Soutien aux Réseaux de Recherche Internationaux, proiect finanțat de Université de Limoges – network of 6 european countries (France, Germany, Slovenia, Romania, Italy, Bosnia) with USA (2010-2013) - *Member of Romanian team*
 - Projet ECO-NET - Ministère Français des Affaires Etrangères Study of optimal cellular biophysical parameters for clinical electroporation – network of european countries (France, Romania, Slovenia, Bosnia) (2008-2011) - *Member of Romanian team*
 - Idei PNII - ID_1197 Contract 1218/2008 Optical tweezers - instrument for the study of molecular recognition mechanisms. Applications in photodynamic therapy (2009-2011) - *Specialist*
 - Capacități PNII - COPBIL 121/2008 Toxicité auditive des aminoglycosides: données cliniques et mécanismes moléculaires et cellulaires impliqués, Bilateral collaboration Romania-Wallonie (2009-2011) - *Member of Romanian team*
 - Parteneriate PNII - 42-167/2008 (Clinamin) Study of aminoglycosides as mechanisms of action at cellular level and clinical implications. Protocols for prevention of toxic effects (2009-2011) - *Specialist*
 - Idei complexe PNII - ID_76/2009 Surface and interface science: physics, chemistry, biology, applications - *Specialist*
 - Parteneriate CEEX 61-011/2007 (Sinapsa) Guiding the growth of neuronal extensions and formation of synapses with multipoint optical tweezers - *Specialist*
 - Capacități PNII - COPBIL 30 / 09.06.2008 Monitoring Functional Status of Electroporated Cells in Electrochemotherapeutic Strategies, Bilateral collaboration with University of Ljubljana, Slovenia (2009-2010) - *Member of Romanian team*

Amorçage de Réseaux Recherche Internationaux 2009 Expérimentation bioélectromagnétique pour la compréhension des mécanismes mis en jeu – Grant of Université de Limoges (France - Romania) - *Member of Romanian team*

CEEX 62/2005 Multidisciplinary complex study of the thrombocyte in myeloproliferative and myelodysplastic syndromes - *Specialist*

2CEEX 06-11-93/2006 Self-assembled two-dimensional supramolecular structures based on functionalized organic molecules - *Specialist*

2CEEX 06-11-50/2006 New coronands and cryptanes with supramolecular properties: design, synthesis, characterization and potential applications in molecular electronics - *Specialist*

COPBIL/2006 Kinetics of alpha-aminolaevulinic acid ALA degradation: implications in improving cancer photochemotherapy, Bilateral collaboration with Technical University of Athens - *Member of Romanian team*

CEEX 69 /2005 Health protection through development of new complex tools such as "Lab-on-a-chip" - *Specialist*

CEEX 13/2005 Development of cardiological centers for early diagnosis by screening of population with risk factors of cardiac dysfunction - *Specialist*

Projet ACI-Ministère Français de la Recherche 2005-2006 Analyse des modifications de l'endocytose des cellules en culture provoquée par l'exposition des cellules à des champs électromagnétiques pulsés - *Team Member*

CNCSIS 2004 Research Center for Biophysics and Cellular Biotechnology - *Team Member*

COPBIL/2003 Laser as a tool for manipulation, therapy and diagnosis at cellular level. Optical tweezers, Bilateral collaboration with Technical University of Athens - *Member of Romanian team*

CNCSIS 741/2003 Use of micromanipulation and laser microsurgery techniques in exploiting the functional properties of cells and biomedical applications – *Coordinator of At project*

VIASAN 213/2003 Study of cellular and molecular mechanisms of low-power lasers used in therapy - *Team Member*

MATNANTECH 131(303)/2003 Effects of electron and microwave irradiation on the properties of biomaterials with applications in medicine - *Team Member*

VIASAN 185/2002 Center of Excellence of Cellular Biotechnology - *Team Member*

VIASAN 177/2002 Biophysical study of cell alterations/modifications induced by microwave radiation of GSM telephony - *Team Member*

INFOSOC 68/2002 Management of risk factors generated by electromagnetic fields produced by mobile telecommunications equipment - *Team Member*

VIASAN 086/2001 Development of biophysical methods for testing the viability of isolated retinal cells for retinal transplantation - *Team Member*

Annex 2 - Publications

I. Articles in extenso in ISI journals with impact factor (Principal Author)

AP1.	Popescu, Traian; Matei, Christien Oktaviani; Culita, Daniela Cristina; Maraloiu, Valentin-Adrian; Rostas, Arpad Mihai; Diamandescu, Lucian; Iacob, Nicusor; Savopol, Tudor; Ilas, Monica Cristiana; Feder, Marcel; Lupu, Andreea-Roxana; Iacoban, Alexandra Corina; Vlaicu, Ioana Dorina; Moisescu, Mihaela Georgeta Facile synthesis of low toxicity iron oxide/TiO ₂ nanocomposites with hyperthermic and photo-oxidation properties SCIENTIFIC REPORTS, 2022, 12, 6887, DOI 10.1038/s41598-022-11003-3, IF 4.996
AP2	Calin, Violeta L.; Mihailescu, Mona; Tarba, Nicolae; Sandu, Ana Maria; Scarlat, Eugen; Moisescu, Mihaela G.; Savopol, Tudor * Digital holographic microscopy evaluation of dynamic cell response to electroporation BIOMEDICAL OPTICS EXPRESS, 2021, 12, 2519-2530, DOI 10.1364/BOE.421959, IF 3.562 * <i>UEFISCDI award PN-III-P1-1.1- PRECISI-2021- 63018</i>
AP3	Tivig, Ioan; Moisescu, Mihaela G.; Savopol, Tudor * Changes in the packing of bilayer lipids triggered by electroporation: real-time measurements on cells in suspension BIOELECTROCHEMISTRY, 2021, 138, 107689, DOI 10.1016/j.bioelechem.2020.107689, IF 5.760 * <i>UEFISCDI award PN-III-P1-1.1- PRECISI-2021- 60708</i>
AP4	Popescu, Traian; Matei, Christien Oktaviani; Vlaicu, Ioana Dorina; Tivig, Ioan; Kuncser, Andrei Cristian; Stefan, Mariana; Ghica, Daniela; Miclea, Luminita Claudia; Savopol, Tudor; Culita, Daniela Cristina; Moisescu, Mihaela Georgeta * Influence of surfactant-tailored Mn-doped ZnO nanoparticles on ROS production and DNA damage induced in murine fibroblast cells SCIENTIFIC REPORTS, 2020, 10, 18062, DOI 10.1038/s41598-020-74816-0, IF 4.380 * <i>UEFISCDI award PN-III-P1-1.1-PRECISI-2021-60679</i>
AP5	Tivig, Ioan; Savopol, Tudor; Kovacs, Eugenia; Moisescu, Mihaela G. An experimental system for real-time fluorescence recordings of cell membrane changes induced by electroporation EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS, 2020, 49, 105-111, DOI 10.1007/s00249-019-01417-9, IF 1.733
AP6	Mitran, Raul-Augustin; Matei, Cristian; Berger, Daniela; Bajenaru, Laura; Moisescu, Mihaela G. Controlling drug release from mesoporous silica through an amorphous, nanoconfined 1-tetradecanol layer EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, 2018, 127, 318-325, DOI 10.1016/j.ejpb.2018.02.020, IF 4.708
AP7	Moisescu, Mihaela Georgeta; Savopol, Tudor; Dimitriu, Liviu; Cemazar, Jaka; Kovacs, Eugenia; Radu, Mihai Noninvasive detection of changes in cells' cytosol conductivity by combining dielectrophoresis with optical tweezers ANALYTICA CHIMICA ACTA, 2018, 1030, 166-171, DOI 10.1016/j.aca.2018.05.010, IF 5.256
AP8	Calin, Violeta L.; Mihailescu, Mona; Mihale, Nicolae; Baluta, Alexandra V.; Kovacs, Eugenia; Savopol, Tudor; Moisescu, Mihaela G. * Changes in optical properties of electroporated cells as revealed by digital holographic microscopy BIOMEDICAL OPTICS EXPRESS, 2017, 8, 2222-2234, DOI 10.1364/BOE.8.002222, IF 3.482 * <i>UEFISCDI award PN-III-P1-1.1- PRECISI-2017- 18590</i>
AP9	Calin, Violeta L.; Mihailescu, Mona; Scarlat, Eugen I.; Baluta, Alexandra V.; Calin, Daniel; Kovacs, Eugenia; Savopol, Tudor; Moisescu, Mihaela G. Evaluation of the metastatic potential of malignant cells by image processing of digital holographic microscopy data FEBS OPEN BIO, 2017, 7, 1527-1538, DOI 10.1002/2211-5463.12282, IF 1.782
AP10	Pirvu, Lucia; Sha'at, Fawzia; Miclea, Luminita Claudia; Savopol, Tudor; Neagu, Georgeta; Udeanu, Denisa Ioana; Moisescu, Mihaela Georgeta Polygonum Bistorta L. Herba et Flores. Polyphenols Profile, Antioxidant Properties and Cytotoxic Effect on Murine Fibroblast Cell Line NIH3T3 FARMACIA, 2017, 65, 571-576, IF 1.507
AP11	Popov, Viola M.; Vladareanu, Ana M.; Bumbea, Horia; Kovacs, Eugenia; Savopol, Tudor; Iordache, Maria M.; Moisescu, Mihaela G. Hemorrhagic risk due to platelet dysfunction in myelodysplastic patients, correlations with anemia severity and iron overload BLOOD COAGULATION & FIBRINOLYSIS, 2015, 26, 743-749, DOI 10.1097/MBC.0000000000000287, IF 1.242
AP12	Bajenaru, Laura; Berger, Daniela; Miclea, Luminita; Matei, Cristian; Nastase, Silviu; Andronescu, Cristian; Moisescu, Mihaela G.; Savopol, Tudor Correlation of the intracellular reactive oxygen species levels with textural properties of functionalized mesostructured silica JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, 2014, 102, 4435-4442, DOI 10.1002/jbm.a.35131, IF 3.369
AP13	Moisescu, Mihaela G.; Radu, Mihai; Kovacs, Eugenia; Mir, Lluís M.; Savopol, Tudor Changes of cell electrical parameters induced by electroporation. A dielectrophoresis study

	BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES, 2013, 1828, 365-372, DOI 10.1016/j.bbamem.2012.08.030, IF 3.431
AP14	Kovacs, Eugenia; Savopol, Tudor; Iordache, Maria-Minodora; Saplacan, Lavinia; Sobaru, Iuliana; Istrate, Claudia; Mingeot-Leclercq, Marie-Paule; Moisescu, Mihaela-Georgeta Interaction of gentamicin polycation with model and cell membranes BIOELECTROCHEMISTRY, 2012, 87, 230-235, DOI 10.1016/j.bioelechem.2012.03.001, IF 3.947
AP15	Moisescu, Mihaela G.; Leveque, Philippe; Verjus, Marie-Ange; Kovacs, Eugenia; Mir, Lluís M. 900 MHz Modulated Electromagnetic Fields Accelerate the Clathrin-Mediated Endocytosis Pathway BIOELECTROMAGNETICS, 2009, 30,222-230, DOI 10.1002/bem.20463, IF 2.759
AP16	Moisescu, Mihaela G.; Leveque, Philippe; Bertrand, Jean-Remi; Kovacs, Eugenia; Mir, Lluís M. Microscopic observation of living cells during their exposure to modulated electromagnetic fields BIOELECTROCHEMISTRY, 2008, 74, 9-15, DOI 10.1016/j.bioelechem.2007.11.003, IF 2.444

II. Articles in extenso in ISI journals with impact factor (Co-Author)

CA1.	Enasescu, Dan Alexandru; Moisescu, Mihaela Georgeta; Imre, Marina; Greabu, Maria; Totan, Alexandra Ripszky; Stanescu-Spinu, Iuliu; Burcea, Marian; Albu, Crenruta; Miricescu, Daniela *Lutein Treatment Effects on the Redox Status and Metalloproteinase-9 (MMP-9) in Oral Cancer Squamous Cells-Are There Therapeutical Hopes? MATERIALS, 2021, 14, 2968, DOI 10.3390/ma14112968, IF 3.748 * <i>UEFISCDI award PN-III-P1-1.1- PRECISI-2021- 64537</i>
CA2	Brezoiu, Ana-Maria; Bajenaru, Laura; Berger, Daniela; Mitran, Raul-Augustin; Deaconu, Mihaela; Lincu, Daniel; Stoica Guzun, Anicuta; Matei, Cristian; Moisescu, Mihaela Georgeta; Negreanu-Pirjol, Ticuta *Effect of Nanoconfinement of Polyphenolic Extract from Grape Pomace into Functionalized Mesoporous Silica on Its Biocompatibility and Radical Scavenging Activity ANTIOXIDANTS, 2020, 9, 696, DOI 10.3390/antiox9080696, IF 6.313 * <i>UEFISCDI award PN-III-P1-1.1- PRECISI-2020- 44264</i>
CA3	Hessabi, Manouchehr; Rahbar, Mohammad H.; Dobrescu, Iuliana; Bach, MacKinsey A.; Kobylinska, Liana; Bressler, Jan; Grove, Megan L.; Loveland, Katherine A.; Mihailescu, Ilinca; Nedelcu, Maria Cristina; Moisescu, Mihaela Georgeta; Matei, Bogdan Mircea; Matei, Christien Oktaviani; Rad, Florina Concentrations of Lead, Mercury, Arsenic, Cadmium, Manganese, and Aluminum in Blood of Romanian Children Suspected of Having Autism Spectrum Disorder INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, 2019, 16, 2303, DOI 10.3390/ijerph16132303, IF 2.849
CA4	Haque, Md. Mozzammel; Moisescu, Mihaela G.; Valkai, Sandor; Der, Andras; Savopol, Tudor Stretching of red blood cells using an electro-optics trap BIOMEDICAL OPTICS EXPRESS, 2015, 6, 118-123, DOI 10.1364/BOE.6.000118, IF 3.344
CA5	Istrate, Claudia Mihaela; Holban, Alina Maria; Grumezescu, Alexandru Mihai; Mogoanta, Laurentiu; Mogosanu, George Dan; Savopol, Tudor; Moisescu, Mihaela; Iordache, Minodora; Vasile, Bogdan Stefan; Kovacs, Eugenia Iron oxide nanoparticles modulate the interaction of different antibiotics with cellular membranes ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY, 2014, 55, 849-856, IF 0.659
CA6	Nastase, Silviu; Bajenaru, Laura; Berger, Daniela; Matei, Cristian; Moisescu, Mihaela G.; Constantin, Doru; Savopol, Tudor Mesostructured silica matrix for irinotecan delivery systems CENTRAL EUROPEAN JOURNAL OF CHEMISTRY, 2014, 12, 813-820, DOI 10.2478/s11532-014-0501-y, IF 1.329
CA7	Popov, Viola M.; Vladareanu, Ana M.; Bumbea, Horia; Kovacs, Eugenia; Moisescu, Mihaela-Georgeta; Onisai, Minodora; Iordache, Maria-Minodora; Savopol, Tudor Assessment of changes in membrane properties of platelets from patients with chronic myeloid leukaemia in different stages of the disease BLOOD COAGULATION & FIBRINOLYSIS, 2014, 25, 142-150, DOI 10.1097/MBC.0b013e328365776f, IF 1.403
CA8	Kohler, Sophie; Ticaud, Nicolas; Iordache, Maria-Minodora; Moisescu, Mihaela G.; Savopol, Tudor; Leveque, Philippe; Arnaud-Cormos, Delia Setup for Simultaneous Microwave Heating and Real-Time Spectrofluorometric Measurements in Biological Systems PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, 2014, 145, 229-240, DOI 10.2528/PIER13110703, IF 1.229
CA9	Mahrour, N; Pologea-Moraru, R; Moisescu, MG; Orłowski, S; Leveque, P; Mir, LM In vitro increase of the fluid-phase endocytosis induced by pulsed radiofrequency electromagnetic fields: importance of the electric field component BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES, 2005, 1668, 126-137, DOI 10.1016/j.bbamem.2004.11.015, IF 4.224

III. Articles in extenso in BDI journals

BDI1.	Popov, Viola Maria; Matei, Christien Oktaviani; Omer, Meilin; Onisai, Minodora; Matei, Mircea Bogdan; Savopol, Tudor; Bumbea, Horia; Moisescu, Mihaela G.
	Effects of Ibrutinib on biophysical parameters of platelet in patients with chronic lymphocytic leukaemia
	AMERICAN JOURNAL OF BLOOD RESEARCH, 2020,10 (6), 311-319, ISBN 2160-1992
BDI2	Istrate, Claudia Mihaela; Savopol, Tudor; Moisescu, Mihaela Georgeta; Holban, Alina Maria; Iordache, Maria Minodora; Iordache, Florin; Miclea, Luminita; Kovacs, Eugenia
	The interaction of aminoglycosydes with endothelial cells infected by Pseudomonas Aeruginosa
	ROMANIAN JOURNAL OF BIOPHYSICS, 2014, 24(3), 199-208, ISBN 1220-515X
BDI3	Cicarma, Emanuela; Corhan, Tiberiu P; Vladareanu, Ana Maria; Bumbea, Horia; Kovacs, Eugenia; Moisescu, Mihaela Georgeta; Savopol, Tudor
	Membrane fluidity of blood platelets in myeloid neoplasms
	ROMANIAN JOURNAL OF BIOPHYSICS, 2013, 23(3), 139-146, ISBN 1220-515X
BDI4	Iordache, Minodora Maria; Moisescu, Mihaela Georgeta; Kovacs, Eugenia; Savopol, Tudor
	Liposomes behavior in antiviotics and radiofrequency field environment
	ROMANIAN JOURNAL OF BIOPHYSICS, 2012, 22(2), 107-115, ISBN 1220-515X
BDI5	Roatesi, Iurie; Savopol, Tudor; Moisescu, Mihaela Georgeta; Kovacs, Eugenia
	ApoB100 functionalized liposomes for targeted delivery to malignant cells
	ROMANIAN JOURNAL OF BIOPHYSICS, 2012, 22(1), 65-72, ISBN 1220-515X
BDI6	Iancu, Daniela S; Iancu, C Bobdan; Moisescu, Mihaela Georgeta; Savopol, Tudor; Kovacs, Eugenia
	Microvolumetric detection of reactive oxygen species in living cells
	ROMANIAN JOURNAL OF BIOPHYSICS, 2012, 22(1), 31-40, ISBN 1220-515X
BDI7	Kenaan, Mohamad; Moisescu, Mihaela G.; Savopol, Tudor; Martin, Diana; Arnaud-Cormos, Delia; Leveque, Philippe
	Dosimetry of an in vitro exposure system for fluorescence measurements during 2.45 GHz microwave exposure
	INTERNATIONAL J. OF MICROWAVE AND WIRELESS TECHNOLOGIES, 2011, 3(1), 81-86, ISBN 1759-0787
BDI8	Martin, Diana; Cinca, Sabin; Margaritescu, Irina; Neagu, Monica; Iacob, Nicusor; Ighigeanu, Daniel; Matei, Constantin; Craciun, Gabriela; Manaila, Elena; Chirita, Doru Aurel; Moisescu, Mihaela
	Cell Investigations Simultaneously with Exposure to 2.45 GHz Microwaves
	JOURNAL OF MICROWAVE POWER AND ELECTROMAGNETIC ENERGY, 2009, 43(3), 21-25, ISBN 0832-7823
BDI9	Martin, Diana; Cinca, Sabin; Margaritescu, Irina; Neagu, Monica; Iacob, Nicusor; Ighigeanu, Daniel; Matei, Constantin; Craciun, Gabriela; Manaila, Elena; Chirita, Doru Aurel; Moisescu, Mihaela
	Combined Microwave and Electron Beam Exposure Facilities for Medical Studies and Applications
	JOURNAL OF MICROWAVE POWER AND ELECTROMAGNETIC ENERGY, 2009, 43(3), 12-20, ISBN 0832-7823
BDI10	Radu, Irinel Anca; Moisescu, Mihaela; Iancu, Daniela; Savopol, Tudor; Kovacs, Eugenia
	ALA uptake and laser induced ROS production in keratinocytes
	ROMANIAN JOURNAL OF BIOPHYSICS, 2008, 18(3), 265-272, ISBN 1220-515X
BDI11	Ciobanu, Florin; Radu, Mihai; Moisescu, Mihaela Georgeta; Surleac, Marius; Bajenaru, Laura; Savopol, Tudor; Kovacs, Eugenia
	Electroporation of malignant cells for enhanced uptake of therapeutic drugs
	ROMANIAN JOURNAL OF BIOPHYSICS, 2007, 17(3), 211-217, ISBN 1220-515X

IV. Books

Research methods in medical biophysics and cell biotechnology, ISBN 978-606-591-506-0, vol. 1 (ISBN 978-606-591-505-3), authors: Mihaela G. Moisescu, Eugenia Kovacs, Tudor Savopol, Editura Universitară, Bucharest, 2012

V. Abstracts and Proceedings in ISI journals

P1.	Sandu, Ana-Maria; Ungureanu, Mihaela A.; Morega, Mihaela; Calin, Violeta L.; Moisescu, Mihaela G.; Paun, Irina A.; Mihailescu, Mona
	Realistic models of cultured cells for electroporation simulations starting from phase images
	ADVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS AND NANOTECHNOLOGIES X, 2020, 11718, Article No 117180W, DOI 10.1117/12.2571092, Conference on Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies X, AUG 20-23, 2020, IF N/A
P2	Calin, V. L.; Petrescu, G. E. D.; Mihailescu, M.; Brehar, F. M.; Lisievici, M.; Comanescu, B.; Tarba, N.; Gorgan, M. R.; Savopol, T.; Moisescu, M. G.
	Differential Diagnosis of Gliomas Using Digital Holographic Microscopy
	NEURO-ONCOLOGY, 2019, 21(S3), 32-33, DOI 10.1093/neuonc/noz126.112, 14th Meeting of the European-Association-of-Neuro-Oncology (EANO), SEP 19-22, 2019, IF 10.247

P3	Calin, Violeta L.; Mihailescu, Mona; Costea, Radu V.; Dumitru, Adrian; Patrascu, Oana-Maria; Brehar, Felix; Petrescu, George; Lisievici, Mihai; Comanescu, Brindus; Grigore, Viorela N.; Butmalai, Dan; Savopol, Tudor; Moisescu, Mihaela G.
	Optical biomarkers for detection of malignant tissue using Digital Holographic Microscopy
	ADVANCES IN MICROSCOPIC IMAGING II, 2019, 11076, Article no 1107612, DOI 10.1117/12.2526325, Conference on Advances in Microscopic Imaging II, JUN 26-27, 2019, IF N/A
P4	Popov, Viola; Oktaviani, Christien Matei; Matei, Bogdan; Dumitru, Ion; Omer, Meilin; Moisescu, Mihaela Georgeta; Savopol, Tudor; Patrinoiu, Oana; Andreescu, Mihaela; Mihai, Felicia; Vladareanu, Ana Maria; Bumbea, Horia
	The Evaluation of Oxidative Status and Platelet Membrane Function in Chronic Myeloproliferative Neoplasms Patients
	INTERNATIONAL JOURNAL OF LABORATORY HEMATOLOGY, 2018, 40(S2), 117, 31st International Symposium on Technological Innovations in Laboratory Hematology, MAY 10-12, 2018, IF 2.073
P5	Popov, Viola; Ana, Vladareanu Maria; Mircea, Matei Bogdan; Oktaviani, Matei Christien; Moisescu, Mihaela Georgeta; Eugenia, Kovacs; Omer, Meilin; Andreescu, Mihaela; Patrinoiu, Oana; Tudor, Savopol; Bumbea, Horia
	Assessment of Changes of Membrane Properties and Platelets Function in Patients with Chronic Myeloid Leukaemia
	BLOOD, 2017, 130(S1), 59th Annual Meeting of the American-Society-of-Hematology (ASH), DEC 09-12, 2017, IF 15.132
P6	Popov, V.; Bumbea, H.; Matei, B.; Matei, C.; Omer, M.; Mihai, F.; Moisescu, M.; Savopol, T.
	Assessment of Changes of Membrane Fluidity and Platelet Membrane Potential in Patients with Chronic Myeloproliferative Neoplasms
	LEUKEMIA RESEARCH, 2017, 61(S1), S21, 8th International Eurasian Hematology Oncology Congress (EHOC), OCT 18-21, 2017, IF 2.319
P7	Claudia, I.; Tudor, S.; Moisescu, M. G.; Iordache, M. M.; Kovacs, E.
	The interaction of antibiotics or antibiotics with nanomaterials with endothelial cells
	FEBS JOURNAL, 2017, 284 (S1), 325-326, 42nd Congress of the Federation-of-European-Biochemical-Societies (FEBS) on From Molecules to Cells and Back, SEP 10-14, 2017, IF 4.530
P8	Calin, V. L.; Mihailescu, M.; Scarlat, E.; Baluta, A. V.; Kovacs, E.; Savopol, T.; Moisescu, M. G.
	Evaluation of cell malignancy using Digital Holographic Microscopy
	EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS, 2017, 46 (S1), S291, 19th IUPAB Congress / 11th EBSA Congress, JUL 16-20, 2017, IF 1.935
P9	Moisescu, M. G.; Mihailescu, M.; Calin, V. L.; Baluta, A. V.; Scarlat, E.; Kovacs, E.; Savopol, T.
	Insights of electroporated cells as revealed by digital holographic microscopy
	EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS, 2017, 46 (S1), S294, 19th IUPAB Congress / 11th EBSA Congress, JUL 16-20, 2017, IF 1.935
P10	Popov, V. M.; Andreescu, M.; Omer, M.; Trifa, A.; Mihai, F.; Dragan, C.; Patrinoiu, O.; Moisescu, M. G.; Savopol, T.; Kovacs, E.; Bumbea, H.; Vladareanu, A. M.
	The Importance of Platelet Membrane Fluidity and Oxidative Stress in Thrombotic Complications acquired by Chronic Myeloproliferative Neoplasms Patients
	HAEMATOLOGICA, 2017, 102 (S2), 649-650, 22nd Congress of the European-Hematology-Association, JUN 22-25, 2017, IF 9.090
P11	Claudia, I.; Savopol, T.; Iordache, M.; Moisescu, M. G.; Iordache, F.; Kovacs, E.
	The interaction of different types of antibiotics with endothelial cells in the presence of nanoparticles
	FEBS JOURNAL, 2016, 283 (S1), 204, 41st FEBS Congress on Molecular and Systems Biology for a Better Life, SEP 03-08, 2016, IF 3.902
P12	Popov, V. M.; Iordache, M. M.; Kovacs, E.; Moisescu, M. G.; Tevet, M.; Vladareanu, A. M.; Bumbea, H.; Murat, M.; Savopol, T.
	The Importance of Oxidative Stress in Abnormalities of Platelet Function. The Retrospective Study in Chronic Myeloid Leukemia and Myelodysplastic Syndrome Patients
	THROMBOSIS RESEARCH, 2016, 141 (S1), S81, 24th Biennial International Congress on Thrombosis / EMLTD Congress, MAY 04-07, 2016, IF 2.650
P13	Roatesi, I.; Roatesi, I.; Kovacs, E.; Savopol, T.; Moisescu, M. G.
	Characterization of B16 F10 cells in culture by dielectrophoresis
	FEBS JOURNAL, 2015, 282 (S1), 226-227, 40th Congress of the Federation-of-European-Biochemical-Societies (FEBS) - The Biochemical Basis of Life, JUL 04-09, 2015, IF 4.237
P14	Istrate, C.; Savopol, T.; Iordache, M.; Moisescu, M.; Kovacs, E.
	A fluorescence anisotropy study between gentamicin, kanamycin, amikacin and cell membrane or the liposomal membrane
	EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS, 2013, 42 (S1), S49, 9th European-Biophysical-Societies-Association Congress, JUL 13-17, 2013, IF 2.474
P15	Popov, Viola Maria; Vladareanu, Ana Maria; Bumbea, Horia; Kovacs, Eugenia; Moisescu, Mihaela Georgeta; Savopol, Tudor
	Is there a Correlation between Platelet Membrane Function and Fluidity of Platelet Membrane in Patients with Myeloproliferative Neoplasms?

	INTERNATIONAL JOURNAL OF LABORATORY HEMATOLOGY, 2013, 35 (S1), 113-114, IF 1.87
P16	Istrate, C.; Savopol, T.; Saplacan, L.; Moiescu, M. -G.; Kovacs, E.
	Anisotropy study of OK kidney cells in the presence of aminoglycoside gentamicin
	EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS, 2011, 40 (S1), 49, 8th EBSA European Biophysics Congress, AUG 23-27, 2011, IF 2.139
P17	Lazar, I. M.; Saplacan, L.; Lazar, G.; Sobetkii, A.; Iordache, M. M.; Kovacs, E.; Radu, M.; Moiescu, M. G.
	Gentamicin interaction with B16F10 cell membrane studied by dielectrophoresis
	EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS, 2011, 40 (S1), 237, 8th EBSA European Biophysics Congress, AUG 23-27, 2011, IF 2.139
P18	Popov, V. M.; Vladareanu, A. M.; Bumbea, H.; Nicolescu, A.; Onisai, M.; Eugenia, K.; Savopol, T.; Moiescu, M.; Iordache, M.; Mihai, C.
	Biophysical Properties of Platelet Membrane in Patients with Ph-Negative Chronic Myeloproliferative Disorders
	HAEMATOLOGICA-THE HEMATOLOGY JOURNAL, 2010, 95 (S2), 599, IF 6.532
P19	Martin, Diana I.; Manaila, Elena N.; Moiescu, Mihaela I.; Savopol, Tudor D.; Kovacs, Eugenia A.; Cinica, Sabin A.; Matei, Constantin I.; Margaritescu, Inina D.; Iacob, Nicusor I.; Ighigeanu, Daniel I.; Craciun, Gabriela D.
	Radiation interaction with therapeutic drugs and cell membranes
	SIX INTERNATIONAL CONFERENCE OF THE BALKAN PHYSICAL UNION PROCEEDINGS, 2007, 899, 816, 6th International Conference of the Balkan-Physical-Union, AUG 22-26, 2006, IF N/A
P20	Ighigeanu, D. I.; Martin, D. I.; Moiescu, M. I.; Manaila, E. N.; Matei, C. I.; Iacob, N. I.; Craciun, G. D.; Savopol, T. D.; Kovacs, E. A.; Margaritescu, I. I.
	Microwave effects on human living cells and therapeutic drugs
	PROCEEDINGS OF THE 10TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOL I: ELECTROTECHNICS, 006, 225-232, 10th International Conference on Optimization of Electrical and Electronic Equipment (OPTIM 2006), MAY 18-19, 2006, IF N/A