



#### PERSONAL INFORMATION

Name

Address

Telephone

Fax

E-mail

Nationality

Date of birth

ION, RODICA-MARIANA

1. VALAHIA University, Targoviste, Romania

2. National Institute of Research and Development in Chemistry and Petrochemistry –  
ICECHIM, Bucharest, Romania

00-40-21-316.30.94

00-40-21-316.30.94

[rodica\\_ion2000@yahoo.co.uk](mailto:rodica_ion2000@yahoo.co.uk);

Romanian

07 XII 1958

#### WORK EXPERIENCE

• Dates (from – to)

• Name and address of employer

• Type of business or sector

• Occupation or position held

• Main activities and responsibilities

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• Main activities and responsibilities

• Dates (from – to)

• Name and address of employer

• Type of business or sector

• Occupation or position held

• Main activities and responsibilities

Dates (from – to)

• Name and address of employer

• Type of business or sector

• Occupation or position held

#### 2015-PRESENT

European Commission, Commission of Health, Environment and Emerging Risks

Evaluation activity

Member of commission

Scientific opinion on different subjects-based on health and risk assessment

#### 2012-PRESENT

Ministry of National Education, National Council for the Recognition of Degrees, Diplomas and  
Certificates, Materials Engineering Commission

Evaluation activity

Member of “Materials Engineering” commission

Ph.D. thesis evaluation, habilitation thesis, confirmation the rank of professor

#### 2004-PRESENT

VALAHIA University, Targoviste, Romania

Teaching activity

Full professor on Nanomaterials

Professor and supervisor of thesis of diploma work, thesis of dissertation for university students  
and for scientific works.

#### 2007-PRESENT

VALAHIA University, Targoviste, Romania

Teaching activity and Scientific activity

Ph.D. Thesis supervisor

Professor and supervisor of thesis of PhD students based on nanomaterials production, risks, tests,  
analytical characterization

25 PhD students in coordination, of which 15 doctoral students who graduated and obtained his  
Ph.D., another 10 are in progress, and was a member of the evaluation committee on 13 theses  
MA / PhD International University in Lithuania (1) University of Johannesburg (10), Istanbul  
University (1), University of Antakya (1)

#### 2012-present

Valahia University

Director of the Research Center: Nanomaterials for mechanical microsystems

Director of Research Center

Coordination of Research Center activity and managerial activity

#### 2013-2018

ICECHIM, 202 Splaiul Independentei Bucharest-060021, Romania

Scientific Research and management activity

Head of NANOMEDICINE GROUP

- Main activities and responsibilities  
 Coordination, participation and valuation of scientific projects and studies of applied research (materials, drugs, risk assessment, materials)  
 Project proposals writing, modeling, writing and evaluation in the field of public health and toxicology; grant foundations searching (national, European Commission funds), writing of applications for grants, administrative assistance, national and international projects coordination, accomplishment and evaluation.  
 Participation on national and international studies and scientific activities related to nanomaterials  
 Planning, implementation and evaluation of scientific programs; administrative co-ordination and organization of collaborative groups.  
 Presentation of results in seminars, workshops and National and International congresses  
 Publication of results of research studies and projects in peer-reviewed periodicals

Dates (from – to)	2018-PRESENT
• Name and address of employer	ICECHIM, 202 Splaiul Independentei Bucharest-060021, Romania
• Type of business or sector	Scientific Research and management activity
• Occupation or position held	Head of Evaluation and conservation of cultural heritage Research Group
• Main activities and responsibilities	Coordination, participation and valuation of scientific projects and studies of applied research (nanomaterials, risk assessment, materials) Project proposals writing, modeling, writing and evaluation in the field of public health and toxicology; grant foundations searching (national, European Commission funds), writing of applications for grants, administrative assistance, national and international projects coordination, accomplishment and evaluation. Participation on national and international studies and scientific activities related to nanomaterials application on Monuments and artifacts Planning, implementation and evaluation of scientific programs; administrative co-ordination and organization of collaborative groups. Presentation of results in seminars, workshops and National and International congresses Publication of results of research studies and projects in peer-reviewed periodicals

• Dates (from – to)	2008-PRESENT
• Name and address of employer	ICECHIM, 202 Splaiul Independentei Bucharest-060021, Romania
• Type of business or sector	Scientific Research and management activity; President of Scientific Council; Board Vicepresident.
• Occupation or position held	Head Department of Analytic Department
• Main activities and responsibilities	Coordination of scientific and laboratory tests for third parties

• Dates (from – to)	1984-2001
• Name and address of employer	ZECASIN S.A., 202 Splaiul Independentei, 060021 Bucharest, Romania
• Type of business or sector	Scientific Research
• Occupation or position held	Head of Photochemistry Department
• Main activities and responsibilities	Coordination of Research Center activity and managerial activity

**EDUCATION AND TRAINING**

Dates (from – to)	2010
• Name and type of organisation providing education and training	ASE Bucharest, Bucharest, Romania.
• Principal subjects/occupational skills covered	Master of University Management
• Title of qualification awarded	Master
• Level in national classification (if appropriate)	Diploma of master

• Dates (from – to)	
• Name and type of organisation providing education and training	FIATEST S.A., Bucharest, Romania, Governmental Institution.
• Principal subjects/occupational skills covered	Management of internal and international projects
• Title of qualification awarded	Certificate
• Level in national classification (if appropriate)	Post-graduate studies

• Dates (from – to)	
• Name and type of organisation providing education and training	RENAR S.A., Bucharest, Romania, Governmental Institution.

<ul style="list-style-type: none"> <li>• Principal subjects/occupational skills covered</li> <li>• Title of qualification awarded</li> <li>• Level in national classification (if appropriate)</li> </ul>	<p>Quality Auditor for ISO 9001 and ISO SR EN 17025:2005 standards</p> <p>Certificate</p> <p>Post-graduate studies</p>
<ul style="list-style-type: none"> <li>• Dates (from – to)</li> </ul>	2004
<ul style="list-style-type: none"> <li>• Name and type of organisation providing education and training</li> <li>• Principal subjects/occupational skills covered</li> <li>• Title of qualification awarded</li> <li>• Level in national classification (if appropriate)</li> </ul>	<p>RENAR S.A., Bucharest, Romania, Governmental Institution.</p> <p>Practical solutions for uncertainty measurements for laboratory accreditation, Accreditation and validation after UE rules</p> <p>Certificate</p> <p>Post-graduate studies</p>
<ul style="list-style-type: none"> <li>• Dates (from – to)</li> </ul>	2001
<ul style="list-style-type: none"> <li>• Name and type of organisation providing education and training</li> <li>• Title of qualification awarded</li> <li>• Level in national classification (if appropriate)</li> </ul>	<p>MBA International Institute by Correspondence, Bucharest.</p> <p>Diploma on Management of Organizations</p> <p>Post-graduate studies</p>
<ul style="list-style-type: none"> <li>• Dates (from – to)</li> </ul>	1994-1995
<ul style="list-style-type: none"> <li>• Name and type of organization providing education and training</li> <li>• Principal subjects/occupational skills covered</li> <li>• Title of qualification awarded</li> <li>• Level in national classification (if appropriate)</li> </ul>	<p>Polytechnical University of Bucharest, Chemical Engineering Faculty, Bucharest, Romania</p> <p>Post-Doctoral Fellowship Analytical Methods and characterization of surfaces and films</p> <p>Diploma</p> <p>Post doctoral professional formation</p>
<ul style="list-style-type: none"> <li>• Dates (from – to)</li> </ul>	1988-1989
<ul style="list-style-type: none"> <li>• Name and type of organisation providing education and training</li> <li>• Principal subjects/occupational skills covered</li> <li>• Title of qualification awarded</li> <li>• Level in national classification (if appropriate)</li> </ul>	<p>University of Bucharest, Physics Faculty, Solid State Physics, Magurele Bucharest</p> <p>Post-graduate Fellowship</p> <p>Diploma</p> <p>Post graduate professional formation</p>
<ul style="list-style-type: none"> <li>• Dates (from – to)</li> </ul>	1987-1988
<ul style="list-style-type: none"> <li>• Name and type of organisation providing education and training</li> <li>• Principal subjects/occupational skills covered</li> <li>• Title of qualification awarded</li> <li>• Level in national classification (if appropriate)</li> </ul>	<p>Polytechnic Institute, Bucharest</p> <p>Post-university Fellowship on photochemistry</p> <p>Diploma</p> <p>Post graduate professional formation</p>
<ul style="list-style-type: none"> <li>• Dates (from – to)</li> </ul>	1990-1995
<ul style="list-style-type: none"> <li>• Name and type of organisation providing education and training</li> <li>• Principal subjects/occupational skills covered</li> <li>• Title of qualification awarded</li> <li>• Level in national classification (if appropriate)</li> </ul>	<p>University of Bucharest</p> <p>Doctoral studies on spectroscopy for porphyrins</p> <p>Doctor Diploma</p> <p>Doctoral diploma</p>
<ul style="list-style-type: none"> <li>• Dates (from – to)</li> </ul>	1977-1982
<ul style="list-style-type: none"> <li>• Name and type of organisation providing education and training</li> <li>• Principal subjects/occupational skills covered</li> <li>• Title of qualification awarded</li> <li>• Level in national classification (if appropriate)</li> </ul>	<p>Polytechnic Institute, Bucharest</p> <p>Chemistry</p> <p>Licence in chemistry</p> <p>Graduation diploma on chemistry</p>
<p>PERSONAL SKILLS AND COMPETENCES</p> <p>Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.</p>	

MOTHER TONGUE	ROMANIAN
OTHER LANGUAGES	
	English
• Reading skills	B2
• Writing skills	B2
• Verbal skills	B2
OTHER LANGUAGES	
	French
• Reading skills	B2
• Writing skills	B2
• Verbal skills	B1
SOCIAL SKILLS AND COMPETENCES	Ability of communication acquired through life experience and improved by the Science Program
ORGANISATIONAL SKILLS AND COMPETENCES	Strong sense of leadership' Highly organized; dynamic; excellent planning skills with great attention to detail and ability to prioritize work. My organizing ability was visible during the coordination or participating at the following projects evaluation and/or participation:
Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home	<p>2018-2022 EU-funded COST Action COMULIS (Correlated Multimodal Imaging in Life Sciences)</p> <p>2018 - 2020 Evaluator UEFISCDI: TD, PTE, RO-FR</p> <p>2015 - 2020 FP7 HORIZON Marie-Curie Fellowship Evaluation, Bruxelles</p> <p>2010 - 2014 Cost Action TD 1002 - European network on applications of Atomic Force Microscopy to NanoMedicine and Life Sciences – Management Committee</p> <p>2017 – 2018 International Expert Panel for the Regional Consultation on Health against oncological diseases, Research Ministry of Catania, Italy</p> <p>2014 National Projects competition Montenegro - Evaluator</p> <p>2014 - 2020 FP7 HORIZON Marie-Curie Fellowship Evaluation, Bruxelles</p> <p>2014 - 2015 National Science Center, Poland, Projects SONATA, PRELUDIUM, OPUS - Evaluator</p> <p>2007 European Expert for Bulgarian Competition of projects.</p> <p>2001-2008 INTAS expert evaluator, Brussels;</p> <p>2000-2014 Scientific expertise activity as member of expert committee at the Ministry of Science and Education of Romania (IDEI, CAPACITIES, PNII)</p> <p>2014- 2018 "IRRESISTIBLE" project (FP7-SCIENCE-IN-SOCIETY-2013-1).</p> <p>2009-present Romanian Representant of SUSChem Platform</p> <p>2007-2010 Participation as Romanian Partner in FP6 UE project DEVELONUTRI</p> <p>1998-2001 Official representant of Romania in Management Committee of COST D8, EU Programm, Brussels;</p> <p>2000-2006 Official representant of Romania in Management Committee of COST D18, EU Programm, Brussels;</p> <p>2001-2010 Official representant of Romania in Management Committee of COST D20, EU Programm, Brussels;</p> <p>2000-2007 Coordinator of Working Group WG0012-02, with twelve partners, inside of COST D20, EU Programm;</p> <p>2006-2012 Official representant of Romania in Management Committee of COST D39, EU Programm, Brussels, TD 1002; MC 1202.</p> <p>2002-2006 Principal coordinator of Working Group 0012-02, of COST D20 UE Programm</p>
TECHNICAL SKILLS AND COMPETENCES	Laboratory practice (developed by 5 years of studies in Faculty of Chemistry Department and during my entire activity); language and communication skills. Computer skills, work with different nanomaterials preparation methods, spectral equipments, machinery and devices for their characaterization in Romania and abroad during a lot of post-doctoral fellowships and invitations.
With computers, specific kinds of equipment, machinery, etc.	

**OTHER SKILLS  
AND COMPETENCES**  
Competences not mentioned above.

Member of the Professional Societies:

- Chemical Society from Romania;
- WHO's WHO from Romania;
- WHO's WHO in Photochemistry, Europe

Papers: 280 published papers in ISI journals; 200 non-ISI published papers  
HIRSCH index: 27 (SCHOLAR GOOGLE); 21 (SCOPUS), 18 (ISI WEB OF KNOWLEDGE)  
Books: 6 books and 16 book chapters  
Patents: 26 national patents; 1 european patent

List of publications (selection list)

1. Composites of Styrene-Butadiene Block-Copolymer Reinforced with Waste Printed Circuit Boards (WPCB)  
P Ghioca, RM Grigorescu, L Iancu, RM Ion, ME David, MI Filipescu, ...  
MATERIALE PLASTICE 57 (1), 92-99
2. SUPERHYDROPHOBIC COATINGS BASED ON CELLULOSE ACETATE FOR PINEWOOD PRESERVATION  
ME David, RM Ion, RE Andrei, RM Grigorescu, L Iancu, MI Filipescu  
Journal of Science and Arts 20 (1(50)), 171-182
3. Impact strength elastomer composites based on polystyrene components separated from waste electrical and electronic equipment  
RM Grigorescu, P Ghioca, L Iancu, ME Grigore, RM Ion, CA Nicolae, ...  
Journal of Applied Polymer Science 137 (5), 48329, 2020
4. Guidelines on the benefit-risk assessment of the presence of phthalates in certain medical devices covering phthalates which are carcinogenic, mutagenic, toxic to reproduction,  
W.H. de Jong, R. Bertollini, T. Borges, P. de Voogt, R. Duarte-Davidson, P. Hoet, R.M. Ion, R. Kraetke, D. Panagiotakos, A. Proykova, T. Samaras, M. Scott, R. Slama, E. Testai, T. Vermeire, M. Vighi, S. Zacharov, U. Bernauer, C. Rouselle, Sté. Bégué, H.M. Kopperud, M.R. Milana, T. Schmidt  
Regulatory Toxicology and Pharmacology, 112, 2020
5. Waste Electrical and Electronic Equipment: A Review on the Identification Methods for Polymeric Materials  
RM Grigorescu, ME Grigore, L Iancu, P Ghioca, RM Ion  
Recycling 4 (3), 32, 2019
6. Impact strength elastomer composites based on polystyrene components separated from waste electrical and electronic equipment  
Ramona M Grigorescu, Paul Ghioca, Lorena Iancu, Madalina E Grigore, Rodica-Mariana Ion, Cristian-Andi Nicolae, Raluca Gabor, Mircea I Filipescu, Maria Rapa, Roxana D Trusca, Marius Ghiurea  
Journal of Applied Polymer Science, 48329. 2019
7. Tailored porphyrin-gold nanoparticles for biomedical applications  
ME Grigore, RM Ion, L Iancu, RM Grigorescu  
Journal of Porphyrins and Phthalocyanines, 2019; 23: 766-780
8. Archaeometric studies of mural paints from MATIA LOGGIA (CORVINS' CASTLE)  
R.M. Ion, S. Tincu, N. Ion, I.A. Bucurica, S. Teodorescu, I.D. Dulama, R.M. Stirbescu, A.I. Gheboianu, C. Radulescu, M.L. Ion, L. Iancu, R.M. Grigorescu,  
Rom. Rep. Phys. 71, 804 (2019)
9. Capsaicin: Physicochemical properties, cutaneous reactions and potential applications in painful and inflammatory conditions (Review),  
MA ILIE, C CARUNTU, M TAMPA, SR GEORGESCU, C MATEI, C NEGREI, RM ION, C CONSTANTIN, M NEAGU and D BODA,  
Experimental and therapeutic medicine 2019 (in press):1-10, DOI: 10.3892/etm.2019.7513
10. Methods of synthesis, properties and biomedical applications of polyhydroxyalkanoates: a review,  
Mădălina Elena Grigore, Ramona Marina Grigorescu, Lorena Iancu, Rodica-Mariana Ion, Cătălin Zaharia & Elena Ramona Andrei  
(2019): Journal of Biomaterials Science, Polymer Edition, DOI: 10.1080/09205063.2019.1605866
11. Waste Electrical And Electronic Equipment Study Regarding The Plastic Composition,  
Ramona Marina Grigorescu, Madalina Elena Grigore, Paul Ghioca, Lorena Iancu, Cristian-Andi Nicolae, Rodica-Mariana Ion, Sofia Teodorescu, Elena Ramona Andrei,  
Revista De Materiale Plastice, 56(1), 2019, Pp.77-82.

12. Mechanical And Thermal Properties Of Styrene-Diene Block Copolymers Films Obtained By Spin Casting From Different Solvents  
Paul Ghioca, Lorena Iancu, Ramona Marina Grigorescu, Rodica-Mariana Ion, Madalina Elena Grigore, Bogdan Spurcaci, Raluca Augusta Gabor, Cristian-Andi Nicolae,  
Revista de Materiale Plastice, 56(1), 2019, pp.163-167
13. Ion-Substituted Carbonated Hydroxyapatite Coatings for Model Stone Samples,  
Ion, R.-M.; Iancu, L.; Vasilevici, G.; Grigore, M.E.; Andrei, R.E.; Radu, G.-I.; Grigorescu, R.M.; Teodorescu, S.; Bucurica, I.A.; Ion, M.-L.; Gheboianu, A.I.; Radulescu, C.; Dulama, I.D..  
Coatings 2019, 9, 231.
14. Unveiling Ga(III) phthalocyanine-a different photosensitizer in neuroblastoma cellular model.  
Constantin C, Lupu AR, Fertig TE, Gherghiceanu M, Pop S, Ion RM, Neagu M.  
J Cell Mol Med. 2019 Feb;23(2):1086-1094. doi: 10.1111/jcmm.14009. Epub 2018 Nov 19.
15. Complex nanoconjugate materials obtained from eco-friendly gold and silver nanoparticles and zinc phthalocyanine derivatives,  
Ana-Alexandra Sorescu, Alexandrina Nuță, Rodica-Mariana Ion, Sabina Georgiana Nițu, Nicoleta Radu, and Sofia Teodorescu,  
Proc. SPIE 10977, Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IX, 109770H (31 December 2018); doi: 10.1117/12.2324928; <https://doi.org/10.1117/12.2324928>
16. Analysis and Structural Investigations On Early Eneolithic Foeni Painted Pottery From Alba Iulia-Lumea Noua Archaeological Site,  
Bintintan, M. Gligor, I.D. Dulama, C. Radulescu, C. Stih, R.M. Ion, S. Teodorescu, R.M. Stirbescu, I.A. B, Bucurica, G. Pehoiu,  
Rom J Phys, 64, 903-913, 2019 64, 903 (2019)
17. Wood preservation with gold hydroxyapatite system  
R.M. Ion, T. Nyokong, N. Nwahara, I.R. Suica-Bunghez, L. Iancu, S. Teodorescu, I. D. Dulama, R. M. Stirbescu, A. Gheboianu, R. M. Grigorescu  
Heritage Science, 2018, 6:37, pp.1-12
18. Influence of temperature on the growth of silver nanoparticles synthesized using salvia officinalis aqueous extract  
Marius Bumbac, Radu Lucian Olteanu, Rodica-Mariana Ion, Cristina Nicolescu  
Revista de Chimie -Bucharest- Original Edition- 69(8):1934-1938, 2018
19. Complex Analytical Investigations of Old Wax - sealed Romanian Paper Documents  
Nicolae Mihail Stirbescu, Rodica Mariana Ion, Adrian Radu, Sofia Teodorescu, Ioan Alin Bucurica, Raluca Maria Stirbescu, Maria Geba, Ioana Daniela Dulama  
REV.CHIM.(Bucharest), 69(7), 2018, 1608-1611
20. Tuned apatitic materials: synthesis, characterization and potential antimicrobial applications.  
Fierascu RC, Fierascu R, Somoghi R, Ion RM, Moanta A, Avramescu SM, Damian CM, Ditu LM.  
Applied Surface Science, Vol.438, 127-135, 2018
21. Alginate microencapsulated capsaicin suppresses ROS production and sustains human dermal fibroblasts cells viability,  
S.Dragomir, A.Hudita, B.Galateanu, M.Costache, R.M.Ion, O.Ginghina, M.Stan, D.L.Baconi, C.Negrei,  
Toxicology Letters, Volume 295, Supplement 1, 10 October 2018, Pages S265-S266, DOI: 10.1016/j.toxlet.2018.06.1073;  
IF=3.166
22. Study on Critical Micelle Concentration Influence in Green Synthesis of Silver Nanoparticles Assisted by Sapindus mukorossi Aqueous Extract  
RL Olteanu, CM Nicolescu, M. Bumbac, ID Dulama, RM Ion, IR Suica Bunghez,  
REV.CHIM.(Bucharest), 69 (6), 2018, 1339-1345
23. Thermal Characterization of Resveratrol,  
OR Bancuta, A Chilian, I. Bancuta, R. Setnescu, T. Setnescu, RM.Ion,  
REV.CHIM.(Bucharest), 69 (6), 2018,1346-1351.
24. Arhaeometric investigations on ceramic materials from Hunedoara – The Court Area,  
R.M. Ion, L. Iancu, R. M. Grigorescu, S. Tincu, G. Vasilevici, N. Ion, I. A. Bucurica, S. Teodorescu, I. D. Dulama, R. M. Stirbescu, C. Radulescu, M. L. Ion,  
Journal of Science and Arts, Year 18, No. 2(43), pp. 471-480, 2018
25. Styrene-diene Block-copolymers Reinforced with Polystyrene  
P. Ghioca, R.M. Grigorescu, L. Iancu, B. Spurcaci, C.A. Nicolae, A.R. Gabor,  
Materiale Plastice, 55 (1), 2018, pp. 14-19.
26. Arhaeometric Concepts and Methods of Intervention on Historical Monument Buildings. The Case of the Corvins' Castle.

R.M. Ion, L. Iancu, R.M. Grigorescu, D. Carutiu-Turcanu, S. Tincu, N. Ion, I.A. Bucurica, S. Teodorescu, I.D. Dulama, R.M. Stirbescu, A. Gheboianu, M.L. Ion  
IOP Conf. Ser.: Mater. Sci. Eng. 374 012073, DOI: 10.1088/1757-899X/374/1/012073

27. Digital scanning and non-destructive techniques for size recovering and rehabilitating the structural performance of traditional stuccoes  
R.M. Ion, V. Gurgu, I.A. Bucurica, S. Teodorescu, I. D. Dulama, R. M. Stirbescu, A. Gheboianu  
Proc. VRTCH'18 – Springer, 2018
28. In vivo silymarin's antioxidant and anti-apoptotic effects on photodynamic therapy's responsiveness  
Vlad Dionisie, Simona Clichici, Rodica-Mariana Ion, Oana-Ofelia Dănilă, Remus Moldovan, Nicoleta Decea, Dan Gheban, Florin Catalin Olteanu, Adriana Filip  
Journal of Porphyrins and Phthalocyanines · May 2017 DOI: 10.1142/S1088424617500304
29. Adsorption of chromium (VI) from water solution onto polymeric membrane systems  
Sofia Teodorescu, Rodica Mariana Ion, Gheorghe Nechifor, Ioan Alin Bucurica, Ioana Daniela Dulama, Raluca Maria Stirbescu, Nicolae Mihail Stirbescu  
REV.CHIM. (Bucharest), 68, No. 4, 2017, pp.869-875
30. Combined regimen of photodynamic therapy mediated by Gallium phthalocyanine chloride and Metformin enhances anti-melanoma efficacy  
Diana Tudor, Iuliana Nenu, Gabriela Adriana Filip, Diana Olteanu, Mihai Cenariu, Flaviu Tabaran, Rodica Mariana Ion, Lucian Gligor, Ioana Baldea  
PLOS, March 9, 2017, <https://doi.org/10.1371/journal.pone.0173241>
31. Polymeric Membrane for Verteporfin Purification  
Stefania Simionescu, Sofia Teodorescu, Rodica Mariana Ion, Elena Voicila, Gheorghe Nechifor  
MATERIALE PLASTICE, 54, No.1, 2017, 14-17
32. Improvement of Spectrophotometric Method For Quantitative Determination Of Phenolic Compounds By Statistical Investigations  
O.-R. Bancuta, A. Chilian, I. Bancuta, R.-M. Ion, R. Setnescu, T. Setnescu, A. Gheboianu. -  
Romanian Journal of Physics 61(1-2):1255-1265, 2016
33. Efficiency of photodynamic therapy on WM35 melanoma with synthetic porphyrins: Role of chemical structure, intracellular targeting and antioxidant defense  
I. Baldea, D. E. Olteanu, P. Bolfa, R. M. Ion, N. Decea, M. Cenariu, M. Banciu, A. V. Sesarman, A. G. Filip  
Journal of Photochemistry and Photobiology B Biology 151, 2015, pp.142-152
34. Silver Nanoparticles Obtained Via Morus Nigra Extract Synthesis And Antioxidant Activity  
I.R. Bunghez, O. Dumitrescu, R. Somoghi, I. Ionita, R.M. Ion  
Rev.Chim.(Bucharest) 66(8)(2015), 112-115
35. Spectral and photochemical properties of hyperbranched nanostructures based on gardiquimod and TPPS<sub>4</sub>,  
Boda, D., Negrei, C., Arsene, A.-L., Căruntu, C., Lupuleasa, D., Ion Rodica Mariana  
Farmacia, 63(2) (2015) 218-223
36. Thermal and mineralogical investigations of iron archaeological materials  
Ion, Rodica-Mariana, Radovici, C., Fierascu, R.C., Fierascu, I.  
Journal of Thermal Analysis and Calorimetry, 121(30) (2015) 1247-1253
37. Archaeometallurgical Characterization of Numismatic Artifacts  
R.C. Fierascu, R.M. Ion, I. Fierascu  
Instrumentation Science & Technology 43(1) (2015) 107-114
38. Study of influence of Zn concentration on the absorption and transport of Fe in maize by AAS and EDXRF analysis techniques  
Chilian, O.R. Bancuta, I. Bancuta, R. Setnescu, C. Radulescu, C. Stihi, I.V. Popescu, Gh. V. Cimpoca, A. Gheboianu  
Romanian Reports in Physics, 67(3) 2015, pp.1138-1151
39. Characterization Of ZnO And SNO<sub>2</sub>:F Materials By SEM For Their Use In The Manufacture Of DSSC  
A. Chilian, Oana-Roxana Bancuta, Iulian Bancuta, Rodica-Mariana Ion, Radu Setnescu, Tanta Setnescu, Anca Gheboianu, Virgil Marinescu, Cristiana Radulescu  
Rev. Roum. Chim., 2015, 60(5-6), 549-554
40. Electrical Characterization Of Transparent Conducting Materials,  
A. Chilian, O.-R. Bancuta, I. Bancuta, R.-M. Ion, R. Setnescu, T. Setnescu, A. Gheboianu, I.V. Popescu.

41. FT-IR And Uv-Vis Characterization Of Grape Extracts Used As Antioxidants In Polymers  
Oana-Roxana Bancuta, Andrei Chilian, Iulian Bancuta, Rodica-Mariana Ion, Radu Setnescu, Tanta Setnescu, Anca Gheboianu, Marius Lungulescu  
Rev. Roum. Chim., 2015, 60(5-6), 571-577
42. Mechanical properties of polypropylene - REOGARD 2000® composite  
VILCEA Elena Janina · ION Rodica-Mariana,  
Applied Mechanics and Materials 05/2015; 760:317-322
43. Characterization Of Silver Nanoparticles Obtained By Lavandula Angustifolia Extract  
Ioana Raluca BUNGHEZ · Radu Claudiu FIERASCU · Ovidiu DUMITRESCU · Irina FIERASCU, Rodica Mariana ION  
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## PATENTS

### International Patents

1. Ion Rodica-Mariana [Ro]; Doncea Sanda Maria [Ro], Composition For Paper Deacidification, Process To Obtain It And Method For Its Application, EP 2626464 B1

### National Patents

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2. S. Coca, M.Domonie, L.Popescu, M.Teodorescu, M.Cuzmici, S.Serban, Rm Ion, Procedure For Synthesis Of Polymers And Block-Copolymers From Cycloolefins And Cycloolefins, RO 111773/1997;
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6. Ion Rodica Mariana [Ro]; Doncea Sanda Maria [Ro] Composition And Process For Treatment, Chemical Restoration And Biological Disinfection Of Historical Paper Surface With Hydroxyapatite Nanoparticles- RO126570 (A2) – 2011-08-30
7. RM Ion, SM Doncea, Composition For Paper Deacidification, Process For Obtaining And Process For Applying The Same - RO128766 (A2) – 2013-08-30
8. RM Ion, Process for Preparing Odorizing Chemical Compounds By Photochemical Conversion of Light Energy - RO128293 (A2) – 2013-04-30
9. Ion Rodica Mariana; Jecu Luiza Maria; Constantin Mariana; Raut Iuliana; Piscureanu Aurelia Alexandrina, Extra Fine Solid Soap Composition of Antimicrobial Effect, RO 129369 (A2) – 2014-04-30
10. Ion Rodica Mariana; Doncea Sanda Maria; Moraru Ionut; Stoica Rusandica; Bunghez Ioana Raluca; Moraru Horia; Oancea Florin,

11. Calin Mihaela Antonina; Savastru Roxana; Parasca Sorin Viorel; Ion Rodica Mariana, Light-Sensitizing Agent And Process For Activation Thereof For The Control Of Bacterial Contamination, RO125753 (B1) – 2013-03-29
12. ION RODICA MARIANA, FIERASCU RADU CLAUDIU, FIERASCU IRINA, ION NELU, BUNGHEZ IOANA RALUCA, Compoziție de conservare și restaurare a suprafețelor monumentelor din cretă și procedeul său de realizare. A 2015- 00071/02.02.2015
13. ION Rodica Mariana, POINESCU Aurora-Anca, RADULESCU Cristiana, ION Nelu, OROS Călin, Biomaterial compozit și procedeul de obținere a acestuia A 2014 00356/08.05.2014
14. Ion Rodica Mariana, Nuță Alexandrina, Sorescu Ana- Alexandra, Bunghez Raluca Ioana, Gel de protecție solară a pielii și procedeul de obținere și utilizare a acestuia. A 2014 -00767/15.12.2014
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17. RM Ion, N.Ion, Compoziție și procedeul pentru restaurarea suprafețelor picturale afectate de săpunuri metalice, OSIM 2017 00949 16.11.2017
18. RM Ion, N.Ion, L.Stoica, Agent de maturare a vopselelor acrilice 2017 -1060/08.12.2017
19. RM Ion, Gh.Nechifor, S.Teodorescu, N.Ion, Peliculă filmogenă cu polimer compozit pentru retenția produșilor de degradare de pe suprafețele picturale și procedeul de obținere a acesteia, 2017 -1062/08.12.2017

#### VISITING POSITIONS

2013-Invited professor at Dijon University, France

2007- Invited professor at Rouen University, France

2007-RM Ion, Photodynamic therapy: sensitizers, mechanism, and clinical applications, Piere-Marie Curie University, Paris.

2006-RM Ion, Photodynamic therapy: sensitizers, mechanism, and clinical applications, Invited speaker at Oxford University, Queen's College, Oxford;

2006-RM Ion, Recent developments at the iterace between nanomaterials and medicine, NANOMEDICINE, Barcelona, Spain;

2006-RM Ion, Terapia fotodinamica – de la cercetarea de laborator la aplicatiile clinice, ITIM Cluj Napoca;

2006-R.M.Ion, Chemical and Clinical aspects of PDT, Humboldt University;

2006: Invited speaker at Sorbona University, Paris, France.

1999: Invited Profesor - Universitatea Mustafa-Kemal, Antakya-Hatay, Turcia, "Combined therapied for cancer therapies", Turcia.

2000: Invited Profesor Lisbon University "Photophysical and photochemical properties of porphyrins and phthalocyanines", Portugalia;

1998: Invited Profesor Technical University Istanbul "Photophysical and photochemical properties of porphyrins and phthalocyanines",Turcia.

1998: NATO stage, Technical University Istanbul, Turkey; Visiting Professor;

1999: Mustafa Kemal University, Antakia-Hatay, Turkey; Visiting Professor;

1996: Poznan Technical University, Poland; Visiting Professor;

1997: Poznan Technical University, Poland; Visiting Professor;

1994: Invited Profesor Chisinau Academy, "Fotodegradarea porfirinelor-metode teoretice si cuantice", Republica Moldova.

#### INTERNATIONAL PROGRAMMS AND PROJECTS

- a. 2016-2018: Bilateral Cooperation Romania-Republic of South Republic: A METHOD BASED ON NANOMATERIALS FOR CONSERVATION OF PAPER AND WOOD ARTIFACTS
- b. UE- FP6 – 2007-2010: Development of high throughput approaches to optimize the nutritional value of crops and crop-based foods – DEVELONUTRI, <http://www.scri.ac.uk/research/ppfq/foodquality/foodsafety/develonutri>
- c. 2016-2018: Bilateral Cooperation Romania-Republic of South Republic: Tehnologia nanoparticulelor pentru terapia fotodinamica a cancerului
- d. 2002-2006: Principal Coordinator at COST D20/WG0012/02 : "New Molecular systems with therapeutic applications in photodynamic therapy of cancer and microbial nfections"[http://w3.cost.esf.org/index.php?id=189&action\\_number=D20](http://w3.cost.esf.org/index.php?id=189&action_number=D20)
- e. 2006-present: Romanian Representant of EuCheMS platform (European Association for Chemistry for Life Science) <http://www.euchems.org/CFECS/location.cfm>
- f. 2009-present: Romanian Representant of Chem Platform (European Technology Platform For Sustainable Chemistry) [http://www.suschem.org/en/\\_related/links-to-national-platforms-or-contact-points](http://www.suschem.org/en/_related/links-to-national-platforms-or-contact-points)
- g. 2005-2010: Management Committee of COST Chemistry Action D39 - "Metallo-Drug design and action" [http://w3.cost.esf.org/index.php?id=189&action\\_number=D39](http://w3.cost.esf.org/index.php?id=189&action_number=D39)
- h. 2000-2006: Management Committee of COST Chemistry Action D20/WG0012/02 "New Molecular systems with therapeutic applications in photodyanmic therapy of cancer and microbial infections" [http://w3.cost.esf.org/index.php?id=189&action\\_number=D20](http://w3.cost.esf.org/index.php?id=189&action_number=D20)
- i. 2000-2006: Management Committee of COST Chemistry Action D18/0003/00 "Lanthanides in diagnosis (in vivo and in vitro)" [http://www.cost.esf.org/domains\\_actions/cmst/Actions/Lanthanide\\_Chemistry\\_Diagnosis\\_Therapy](http://www.cost.esf.org/domains_actions/cmst/Actions/Lanthanide_Chemistry_Diagnosis_Therapy)

- j. 2010-2014: Management Committee of COST TD1002 "European network on applications of Atomic Force Microscopy to NanoMedicine and Life Sciences (AFM4NanoMed&Bio)[http://www.cost.esf.org/domains\\_actions/bmbs/Actions/TD1002](http://www.cost.esf.org/domains_actions/bmbs/Actions/TD1002)

#### AWARDS

##### EUROINVENT 2019, Iasi

1. Diploma Gold medal  
Ion Rodica Mariana, Marin Laurentiu, Ion Nelu,  
Antifungal, anti-wear, anti-slipping and photochemical stable used in museums and storage/conservation areas of cultural heritage artifacts and procedure for implementation
2. Diploma Silver medal  
Ion Rodica Mariana, Turcanu-Carutiu Daniela, Predoana Luminitia, Radulescu Cristiana,  
New diagnosis and treatment technologies for the conservation and revitalization of archeological components from national cultural heritage
3. Diploma Silver medal  
Ion Rodica Mariana, Ion Nelu,  
Composition and process for cleaning and consolidating architectural elements of heritage buildings
4. Diploma Silver medal  
Ion Rodica Mariana, Ion Nelu, Iancu Lorena, Radu Nicoleta,  
Antifungal composition for restauration/ preservation of wood artifacts, and method of use
5. Diploma / Bronze medal  
Ramona Marina Grigorescu, Paul Nicolae Ghioca, Lorena Iancu, Zina Vuluga, Michaela Iorga, Rodica Mariana Ion, Nelu Ion, Madalina Elena Grigore, Ramona Elena Andrei, Mircea Ioan Filipescu, George Ionut Radu, Bogdan Norocel Spurcaci,  
Recycling method of the polystyrene fraction from waste electrical and electronic equipment as impact-strength polystyrene composite
6. Diploma / Bronze medal  
Ion Rodica Mariana, Grigorescu Ramona Marina, Iancu Lorena, Ghioca Paul Nicolae, Ion Nelu,  
Polymeric compositions for the protection and conservation of wood surfaces and procedure for the application of them
7. Diploma of Excellence of BAUSVM "REGELE MIHAI I AL ROMANIEI" Timisoara  
Ion Rodica Mariana, Marin Laurentiu, Ion Nelu,  
Antifungal, anti-wear, anti-slipping and photochemical stable used in museums and storage/conservation areas of cultural heritage artifacts and procedure for implementation
8. Diploma of Excellence  
Marin Laurentiu,  
Nanomodified with layered aluminosilicate bentonite type Polyetherpolyol type PETOL 36 3 BR
9. Special Award CORNELIUGROUP, Hunedoara  
Ion Rodica Mariana, Grigorescu Ramona Marina, Iancu Lorena, Ghioca Paul Nicolae, Ion Nelu,  
Polymeric compositions for the protection and conservation of wood surfaces and procedure for the application of them
10. Diploma de Excelenta CORNELIUGROUP, Hunedoara  
Ion Rodica Mariana, Ion Nelu,  
Compozite si procedeu pentru curatarea si consolidarea elementelor arhitecturale ale cladirilor de patrimoniu
11. Diploma de Excelenta CORNELIUGROUP, Hunedoara  
Ion Rodica Mariana, Marin Laurentiu, Ion Nelu,  
Antifungal, anti-wear, anti-slipping and photochemical stable used in museums and storage/conservation areas of cultural heritage artifacts and procedure for implementation

##### PROINVENT, Cluj-Napoca 2019

1. Diploma de Excelenta si medalia de aur  
RM Ion, N.Ion, L.Iancu, N.Radu, Compozitie antifungica, pentru restaurarea/conservarea artefactelor de lemn si procedeu de folosire
2. Diploma de Excelenta si medalia de aur  
RM Grigorescu, PN Ghioca, L.Iancu, Z.Vuluga, M.Iorga, RM Ion, N.Ion, ME Grigore, ME Andrei, MI Filipescu, GI Radu, BN Spurcaci,  
Procedeu de reciclare a fractiei polistirenice din deseuri de echipamente electrice si electronice sub forma de compozit polistirenice antisoc

### 3. Diploma de Excelenta si medalia ProInvent

RM Ion, L.Marin, N.Ion, Compozit antifungic, antiuzura, antialunecare, si stabil fotochimic utilizat in muzee si spatiile de depozitare/conservare a pieselor a pieselor de patrimoniu cultural si procedeu de realizare

### 4. Diploma de Excelenta

RM Ion, N.Ion, Compozitia si procedeu pentru curatarea si consolidarea elementelor arhitecturale ale cladirilor de patrimoniu

### 5. Diploma de Excelenta

RM Ion, RM Grigorescu, L.Iancu, PN Ghioca, N.Ion, Compozitii polimerice pentru protectie si conservarea suprafetelor lemnoase si procedeu de aplicare al acestora

## PROINVENT, Cluj-Napoca 2018

1. R.M. Ion, RC Fierascu, I Fierascu, N Ion, IR Bunghez, Composition for preseverging and restoring surfaces of chalk monuments process for preparing the same, Brevet nr. RO131329/2016, Diploma si medalia de aur Pro Invent, 21-23 martie 2018, Cluj-Napoca

## EUROINVENT, Iasi, 2018

1. R.M. Ion, Activitate de inventica in domeniul Patrimoniului Cultural, Premiul Special si Cupa pentru Patrimoniu Cultural acordat de Platforma Archeoinvest, Euroinvent, 17-19 Mai 2018, Iasi
2. R.M. Ion, Peliculă filmogenă cu polimer compozit pentru retenția produșilor de degradare de pe suprafețele picturale și procedeu de obținere a acesteia, Diploma si medalia de aur
3. R.M. Ion, Agent de matuire a vopselelor acrilice, Diploma si medalia de aur, Euroinvent, 17-19 Mai 2018, Iasi
4. Compoziție și procedeu pentru restaurarea suprafețelor picturale afectate de săpunuri metalice, Diploma si medalia de aur, Euroinvent, 17-19 Mai 2018, Iasi

Diploma de Onoare « Omul Zilei », Romanian Biographic Institute, Romania, 2017

## IWIS, 2017, Warsaw, Poland

1. Gold medal and Diploma de Excelenta pentru inventia Compozitiei pentru brevetul de inventie: Deacidifierea hartiei, procedeu de obtinere si procedeu de aplicare a acesteia - International Warsaw Inventions Show, 2017
2. Silver medal and Diploma de Exceenta pentru brevetul de inventie: Deacidifierea hartiei, procedeu de obtinere si procedeu de aplicare a acesteia - International Warsaw Inventions Show, 2017
3. Special award offered by Thailand at International Warsaw Inventions Show, 2017
- 4.

## Infoinvent Chisinau, Moldova, 2017

1. Certificatul de excelenta al Portugaliei pentru inventia Compozitiei pentru brevetul de inventie: Deacidifierea hartiei, procedeu de obtinere si procedeu de aplicare a acesteia
2. Diploma si medalia de aur pentru brevetul Compozitiei pentru deacidifierea hartiei, procedeu de obtinere si procedeu de aplicare a acesteia

## Inova, Zagreb, 2017

1. Gold medal and Diploma de Excelenta pentru inventia Compozitiei pentru brevetul de inventie: Deacidifierea hartiei, procedeu de obtinere si procedeu de aplicare a acesteia – Inova International Inventions Show, Zagreb, 2017
2. Silver medal and D iploma de Exceenta pentru brevetul de inventie: Deacidifierea hartiei, procedeu de obtinere si procedeu de aplicare a acesteia Inova International Inventions Show, Zagreb, 2017

## EUROINVENT 2017, Iasi, Romania

1. Diploma si medalia de aur pentru brevetul de inventie: Composition for paper deacidification, process to obtain it and method for its application, Patent no. EP2626464
2. Diploma si cupa Universitatii Politehnica Bucuresti pentru brevetul de inventie: Composition for paper deacidification, process to obtain it and method for its application, Patent no. EP2626464

## INVENTICA 2017, Iasi, Romania

1. Diploma si medalie de aur pentru brevetul de inventie Composition for paper deacidification, process to obtain it and method for it application
2. Diploma si medalie Formul Inventarilor \_inventica 2017 pentru brevetul de inventie” Composition for paper deacidification, process to obtain it and method for it application
3. Diploma si medalie de aur pentru brevetul de inventie Paste gel for desufurisation of calcareous stone surfaces and process for preparing and applying the same
4. Diploma si medalie Formul Inventatorilor \_inventica 2017 pentru brevetul de inventie: Paste gel for desufurisation of calcareous stone surfaces and process for preparing and applying the same
5. The Politehnica Innovation award offered by UPB pentru brevetul de inventie: Paste gel for desufurisation of calcareous stone surfaces and process for preparing and applying the same

EUROINVENT 2016, Iasi, Romania, 2017:

1. Rodica-Mariana Ion, Woman inventor award: National award: EUROINVENT 2016
2. Diploma si medalie de aur pentru proiectul: Cr6+ retention from waste water with polymer membrane systems
3. Diploma si medalie de aur pentru brevetul: Composition of conservation/restoration for surfaces of chalk monuments and its implementation process

CADET-INNOVA, Sibiu Prima Ediție a Salonului Național cu Participare Internațională a Inovării și Cercetării Științifice studentești” Cadet INOVA'16”

1. Sofia Teodorescu, Rodica Mariana Ion, Ioana Raluca Șuică Bunghez, Raluca Maria Știrbescu, Ioana Daniela Dulamă, Sisteme polimerice membranare pentru reducerea conținutului de crom (VI) din ape reziduale, Mențiune a Salonului ”Cadet INOVA'16”, Sibiu

EUROINVENT 2015, Iasi, Romania, 2017:

1. Diploma / Medalie de aur pentru brevetul EPO: Compozitie pentru dezacidifierea hârtiei, procesul de obținere și metoda de aplicare a acesteia
2. Diploma, Cupa si Premiul de Inovare de la Universitatea Politehnica, Bucuresti, brevetul EPO: Compozitie pentru dezacidifierea hârtiei, procesul de obținere și metoda de aplicare a acesteia
3. Diploma de Excelență cu certificat Apreciere pentru RMIon

Excellency Award from the company She Business, at the section ,”Inovatie & Cercetare” .

Proinvent Cluj-Napoca, Romania, 2015

1. DIPLOMA OF EXCELENCY and GOLD MEDAL for the patent: Composite biomaterials and process for preparing thereof
2. Special prize of Lucian Blaga University of Sibiu for the patent: Composite biomaterials and process for preparing thereof

EUROINVENT 2015, Iassy, Romania, 2015

1. Diploma / Gold Medal for the patent: Sun protection gel to the skin, and process for producing and use thereof
2. Diploma / Gold Medal for the patent: Composite biomaterials and process for preparing thereof
3. Diploma/Gold Medal and Placca of Haller Foundation, Poland for the patent: Composite biomaterials and process for preparing thereof
4. Diploma of Excelency and EUROINVENT CUP with Appreciation certificate for R.M.Ion

INVENTICA 2015, Iassy, Romania

1. Diploma / Gold Medal for the patent: Sun protection gel to the skin, and process for producing and use thereof
2. Diploma / Gold Medal for the patent: Composition for paper deacidification, process to obtain it and method for its application
3. Honorary Diploma for the high scientific level for the project: CHALK RESTORE

EUROINVENT 2014, Iassy, Romania

1. Diploma / Gold Medal for the patent: Composition and method for treating, chemical restoration and biological disinfection of paper surface for documents of archives and libraries
2. Diploma / Gold Medal and Certificat of Malaysia University for the patent: Utilizarea porfirinei tetrasulfonate in fabricarea unui agent fotosensibilizator pentru terapia dermatologica
3. The best research project: Innovative Method Based On Nanomaterials For Cultural Heritage Conservation

EUREKA-INNOVA, Bruxelles, 2014

1. Diploma / Gold Medal for the patent: Composition and method for treating, chemical restoration and biological disinfection of paper surface for documents of archives and libraries
2. Haller Foundation Diploma for the patent: Composition and method for treating, chemical restoration and biological disinfection of paper surface for documents of archives and libraries
3. Diploma awarded by the Industrial Chemistry Institute Warsaw, Poland for the patent: Composition and method for treating, chemical restoration and biological disinfection of paper surface for documents of archives and libraries
4. Order Innovative Merit as Officer of Belgium, awarded to Rodica-Mariana Ion for the entire innovative activity

National Salon of Research and Innovation, BACAU, Romania, 2014

1. Diploma / Gold Medal for the patent: Composition and method for treating, chemical restoration and biological disinfection of paper surface for documents of archives and libraries
2. Diploma / Gold Medal for the patent: Using porphyrin photosensitizer tetrasulfonate in the manufacture of a dermatological therapy
3. Diploma / Gold Medal for the patent: Biomaterial compozit și procedeu de obținere

THE 3<sup>RD</sup> VIRTUAL INTERNATIONAL CONFERENCE ON ADVANCED RESEARCH IN SCIENTIFIC AREAS (ARSA-2014) SLOVAKIA

1. The best paper: NEW METALLO-SENSITIZERS IN PHOTODYNAMIC THERAPY, Rodica-Mariana Ion, Ana-Alexandra Sorescu, Alexandrina Nuta, Rodica-Mariana Ion

International Salon of Inventics, PROINVENT Cluj-Napoca, 2013

1. Excellency award and Gold Medal for the patent: Composition and method for treating, chemical restoration and biological disinfection of paper surface for documents of archives and libraries
2. Diploma of Technical University of Moldova for the patent: Composition and method for treating, chemical restoration and biological disinfection of paper surface for documents of archives and libraries
3. Diploma and gold Medal EUROINVENT for the patent: Composition and method for treating, chemical restoration and biological disinfection of paper surface for documents of archives and libraries

EUROINVENT, Iassy, Romania, 2013

1. Silver Medal for the patent: Composition and method for treating, chemical restoration and biological disinfection of paper surface for documents of archives and libraries
2. Gold Medal for the patent: Using porphyrin photosensitizer tetrasulfonate in the manufacture of a dermatological therapy
3. Diploma / Gold Medal and Certificat of Malaysia University for the patent: Using porphyrin photosensitizer tetrasulfonate in the manufacture of a dermatological therapy
4. Diploma awarded by PRO INVENTIO HALLER FOUNDATION for the patent: Using porphyrin photosensitizer tetrasulfonate in the manufacture of a dermatological therapy

40<sup>th</sup> Salon of inventions, Geneve, Swiss, 2012

1. Silver Medal for the patent: Soap composition with anti-microbial and anti-bacterian activity

39<sup>th</sup> Salon of inventions, Geneve, 2011

1. Gold Medal for the patent: New composition based on hydroxyapatite for chemical treatment and biological disinfection for paper documents

Salonul de Inventica, Bruxelles, 2011

1. Gold Medal for the patent: New composition based on hydroxyapatite for chemical treatment and biological disinfection for paper documents

Salonul de Inventica, IWIS, Polonia, 2011

1. Silver Medal for the patent: New composition based on hydroxyapatite for chemical treatment and biological disinfection for paper documents

ARCA, Zagreb, Croatia, 2011

1. Gold medal for the patent: New composition based on hydroxyapatite for chemical treatment and biological disinfection for paper documents

INVENTICA, Iassy, 2011

1. Honour Diploma for the patent: Composition And Treatment Procedure With Hydroxiapatite Nanoparticles For Chemical Restoration and Biological Desinfection Of Historical Paper Surface
2. The award The Women Inventor
3. Gold Medal for the project PNII 22-110
4. Gold Medal Henry Coanda for the patent: Composition And Treatment Procedure With Hydroxiapatite Nanoparticles For Chemical Restoration And Biological Desinfection Of Historical Paper Surface
5. Gold Medal Henry Coanda for the invention: Tetra-sulphonated porphyrin application for producing a dermatologic therapy – photosensitizer

#### iENA 2010, Nurnberg, Germany, 2010

1. Silver Medal and Diploma Exhibition of Inventions for the patent: New composition based on hydroxyapatite for chemical treatment and biological desinfection for paper documents
2. Special Prize and Excellency Diploma for the patent: New composition based on hydroxyapatite for chemical treatment and biological desinfection for paper documents
3. Excellency medal from Romanian Authority of Scientific Research, for participation at iENA 2010, Nurnberg

#### 37th Salon of Inventions, Geneva, Swiss, 2009

1. Gold metal with Congratulations of Jury for a patent Tetra-sulphonated porphyrin application for producing a dermatologic therapy – photosensitizer
2. Special prize of Russian Ministry of Science and Education for a patent: Tetra-sulphonated porphyrin application for producing a dermatologic therapy – photosensitizer

#### ARCA, Zagreb, 2009

1. Silver medal for the patent: New composition based on hydroxyapatite for chemical treatment and biological desinfection for paper documents

#### PRO INVENT, Cluj, 2009

1. Diploma de Excelenta si Medalia de Argint for the patent: Tetra-sulphonated porphyrin application for producing a dermatologic therapy – photosensitizer
2. Award “Best Scientist of the year 2010”, Dinu Patriciu Foundation, Bucharest, Romania;

#### 12<sup>th</sup> Moscow International Salon of Industrial Property "Archimedes – 2009

1. Special award „New Times” awarded by Ukraine, for the patent: Tetra-sulphonated porphyrin application for producing a dermatologic therapy – photosensitizer)
2. Gold medal for the patent: Tetra-sulphonated porphyrin application for producing a dermatologic therapy – photosensitizer)

#### Romanian Ministry of Scientific Research, 2008

1. Gold Metal – Romanian Award from the Research Ministry for the Project CEEX 18/2005, Health area, 2008

#### EUREKA Innova Brussels, Bruxelles, 2008

1. Gold metal for a patent Tetra-sulphonated porphyrin application for producing a dermatologic therapy – photosensitizer
2. Prize of Rudy Demotte, Minister President of the Walloon Government – EUREKA Innova Brussels – First prize for the patent request (Tetra-sulphonated porphyrin application for producing a dermatologic therapy – photosensitizer)

#### Memberships to Editorials Boards of International Journals

- 1) Heritage
- 2) Guest Editor at Coatings, Special issue: Syntheses, Properties, and Applications of Organic Dyes and Pigments
- 3) Guest Editor at Materials, Special issue: Analytical Characterization of Functionalized Surfaces
- 4) Scientific Bulletin of Valahia University: Materials and Mechanics, ISSN: 1844-1076
- 5) International J.Photoenergy, 2011 “Photomedicine and Photo Nanosystems”, Guest Editors: Rodica-Mariana Ion, Tebello Nyokong, G. Gyulkhandanyan, Danuta Wrobel; Manuscript Due: May 15, 2011; Publication Date: November 15, ISSN: 1110-662X; e-ISSN: 1687-529X; doi:10.1155/IJP2011; <http://www.hindawi.com/journals/ijp/osi.html>
- 6) BRAIN. Broad Research in Artificial Intelligence and Neuroscience, ISSN 2067-3957, volume 1, October 2010, Special Issue on Advances in Applied Sciences, Eds Barna Iantovics, Marius Marusteri, Rodica-M. Ion, Roumen Kountchev;
- 7) Editorial Team of Journal of Biophysics and Structural Biology, <http://www.academicjournals.org/JBSB/Email.htm>
- 8) Editor at Journal of Cancer Research and Experimental Oncology; <http://www.academicjournals.org/jcreo/Editors.htm>

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