

LISTA DE LUCRARI- SEPTEMBRIE, 2018

1. CARTI

Carti, monografii, capitole ca autor - internationale				Punctaj
				66.666667
Autori	Titlu capitol/carte, ISBN	Editura	Anul	nr autori
J Valles, R. Galatus	Optimized Design of Yb3+/Er3+-Codoped Phosphate Microring Resonator Amplifiers, Chapter 7 in "Some Advanced Functionalities of Optical Amplifiers", Edited by Sisir Kumar Garai, ISBN 978-953-51-2237-1 link: https://www.intechopen.com/books/some-advanced-functionalities-of-optical-amplifiers/optimized-design-of-yb3-er3-codoped-phosphate-microring-resonator-amplifiers	InTechOpen	16-Dec-15	2
Cecilia Cristea, Florin Graur, Ramona Galatus, Calin Vaida, Doina Pisla, and Robert Sandulescu	Nanobiomaterials for Cancer Diagnosis and Therapy, Capitol carte in "Nanobiomaterials: Applications in Drug Delivery", editori Anil K. Sharma, Raj K. Keservani, Rajesh K. Kesharwani, ISBN 9781771885911, 2017, link https://www.crcpress.com/Nanobiomaterials-Applications-in-Drug-Delivery/Sharma-Keservani-Kesharwani/p/book/9781771885911	CRC Press, Taylor&Francis Group	15-Aug-17	6
Carti, monografii, capitole ca autor - nationale				Punctaj
				50
Autori	Titlu capitol / carte, ISBN	Editura	Anul	nr autori
Stefan Ţigan, Andrei Achimaş, Tudor Drugan, Ramona Gălătuş , Dorina Gui	Informatică şi statistică aplicate in medicină, Editura SRIMA, ISBN 973-98591-6-X	Editura SRIMA, Cluj-Napoca	2000	5
Drugan T, Bondor C, Bolboacă S, Călinici T, Colosi H, Gălătuş R , Istrate D, Văleanu M, Achimaş, S. Tigan	Aplicații practice de informatică și statistică medicală, ISBN 973-85354-5-X.	Editura Alma Mater, Cluj-Napoca	2002	10
Tudor Drugan, Sorana Bolboacă, Horațiu Colosi, Ramona Gălătuş , Tudor Călinici, Dan Istrate, Cosmina Bondor, Mădălina Văleanu, Andrei Achimaş, Stefan Tigan	Informatică Medicală Aplicată, ISBN 973-8296-09-9.	Editura SRIMA, Cluj-Napoca	2003	10
Drugan T, Bolboacă S, Călinici T, Istrate D, Colosi H, Gălătuş R , Bondor C, Văleanu M, Achimaş A, Tigan S	Aplicatii de Informatică Medicală și Biostatistică, ISBN 973-85285-3-4	Editura SRIMA, Cluj-Napoca	2004	10
Ramona Galatus , Nicolae Puscas, Tiberiu Marita	Senzori Optici: concepte fundamentale si aplicatii, ISBN 978-606-17-0748-5	Editura Casa Cartii de Stiinta, Cluj-Napoca	2015	3
P. Faragó1, R. Gălătuş1, A. Ilea2, M. Cîrlugea1, C. Faragó1andS. Hintea	Integrated nanodevices for environmental analysis, published on CD, ISBN 978-973-53-2023-2, coordonator volum Ramona Galatus si Cecilia Cristea, Capitol: Smart sensor interface in biomedical monitoring systems	Editura Risoprint	2017	6

Material didactic/lucrari didactice				Punctaj
				66.666667
Autori	Titlu capitol / carte, ISBN	Editura	Anul	nr autori
Sabin Goron, Berar Sanda, Ramona Gălătuș	Curs de Delphi, ISBN 973-9298-77-X, CIP: 681.3.06 DELPHI	Ed. RISOPRINT, Cluj-Napoca	1998	3
Ramona Galatus	Managementul sistemelor logistice: manualul calificarii, ISBN 978-973-662-578-7, Radu Vlad (coord.), Capitol carte	Ed UTPress	2010	1
Lorant Szolga, Ramona Galatus , Emil Voiculescu	Optoelectronică – Îndrumator de laborator, ISBN 978-973-662-858-0 (romana)	UTPress	2013	3

2. ARTICOLE STIINTIFICE INDEXATE

Articole in reviste cotate si in volumele unor manifestari indexate ISI Proceedings				Punctaj
				414.985
Autori	Titlu lucrare / revista (conferinta)	Factor de impact	Nr. autori	Punctaj
Ramona Galatus ^a , Paul Farago ^a , Juan Valles ^b	Optical Data Transmission with Plastic Scintillating Fibers, SPIE Photonics Europe 2018, 22-27 April 2018, Strasbourg, France	0.25	3	10.8333333
Paul Farago ^a , Ramona Galatus ^a , Sorin Hintea ^a , Juan C. Martin ^b , Juan Valles ^b	Fluorescent Fiber Implementation of a High-resolution Distributed Position Sensor, SPIE Photonics Europe 2018, 22-27 April 2018, Strasbourg, France	0.25	5	6.5
Ramona Gălătuș, PaulFaragó, PiotrMiluski, Juan-Antonio Valles	Distributed fluorescent optical fiber proximity sensor: Towards a proof of concept, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Volume 198, 5 June 2018, Pages 7-18, doi: https://doi.org/10.1016/j.saa.2018.02.044	2.536	4	25.27
C Cristea, M Tertis, R. Galatus	Magnetic Nanoparticles for Antibiotics Detection, Nanomaterials 2017, 7(6), 119; doi:10.3390/nano7060119	3.55	3	43.8333333
P. Farago, R. Galatus, N. Tosa, G. Olteanu	Low-cost Quasi-distributed Position Sensing Platform based on Blue Fluorescent Optical Fiber, 2017 IEEE 23rd International Symposium for Design and Technology in Electronic Packaging (SIITME), 26-29 October, Constanta, Romania, 2017 , pp324 - 327	0.25	4	8.125
E. Galatus, P. Farago, N. Cennamo, C. Cristea	SPR Based Hybrid Electro-Optic Biosensor Platform, based on side emitting plastic PMMA optical fiber, 2017 IEEE 23rd International Symposium for Design and Technology in Electronic Packaging (SIITME), 26-29 October, Constanta, Romania, 2017, pp328 - 331	0.25	4	8.125
A. Szolga; R. Galatus; G. Oltean; L. Ivanciu	Intrusion detection system based on plastic optical fiber 2017 IEEE 23rd International Symposium for Design and Technology in Electronic Packaging (SIITME) Year: 2017 Pages: 403 - 408 IEEE Conferences	0.25	4	8.125

Cennamo, N ; Pasavento M; DeMaria L, Galatus, R; Mattiello, F; Zeni, L	Comparison of different photoresist buffer layers in SPR sensors based on D-shaped POF and gold film, Proceedings Volume 10323, 25th International Conference on Optical Fiber Sensors; 103234F (2017); doi: 10.1117/12.2265603 Event: 25th International Conference on Optical Fiber Sensors, 2017, Jeju, Korea, Republic of	0.25	6
Cennamo, F. Mattiello, R. Galatus, E. Voiculescu, L. Zeni	Plasmonic sensing in D-shaped POFs with Fluorescent optical fibers as light sources, IEEE Transactions on Instrumentation & Measurement, 2017, Issue 4 • April 2018, Page(s):754 - 759	2.45	5
R. Galatus, B. Feier, C. Cristea, N. Cennamo, L. Zeni	SPR-based Hybrid Electro-Optic Biosensor for Beta-Lactam Antibiotics Determination in Water, SPIE Optics+Photonics 2017, San Diego, USA, 6-10 August 2017	0.25	5
N Cennamo, R Galatus, F Mattiello, R Sweid, L Zeni	Design of surface plasmon resonance sensor in plastic optical fibers based on nano-antenna arrays Procedia Engineering 168, 880-883, 2016	0.25	5
Galatus, Daniel Moga, Victor Cojocaru, Nunzio Cennamo, Luigi Zeni	Fuzzy control system based on spr-pof fiber sensor for chlorine monitoring in water, DOI 10.5593/SGEM2016/B22/S10.114, 16th International Multidisciplinary Scientific GeoConference SGEM 2016, SGEM2016 Conference Proceedings, ISBN 978-619-7105-59-9 / ISSN 1314-2704, June 28 - July 6, 2016, Book2 Vol. 2, 895-900 pp, https://sgemworld.at/sgemlib/spip.php?article8402&lang=en , Ramona, Galatus; Moga, Daniel; Cojocaru, Victor; Cennamo, Nunzio; Zeni, Luigi. International Multidisciplinary Scientific GeoConference : SGEM : Surveying Geology & mining Ecology Management; Sofia Vol. 2, : 895-899. Sofia: Surveying Geology & Mining Ecology Management (SGEM). (2016)	0.25	5
R. Galatus, J. Valles	Optimized design of high-order series coupler Yb3+/Er3+ codoped phosphate glass microring resonator filters SPIE Photonics Europe, 98891D-98891D-6, 2016	0.25	2
Juan Valles, Ramona Galatus	Modeling of Yb3+/Er3+-codoped microring resonators, in OPTICAL MATERIALS, vol. 41, pp. 126-130, 2015.	2.075	2
N. Cennamo, R. Galatus, L. Zeni	Experimental results for characterization of a tapered plastic optical fiber sensor based on SPR, in SPIE Optics+ Optoelectronics, pp. 95061V-95061V-6, 2015.	0.25	3

Juan Valles, R. Galatus	Requirements for Gain/Oscillation in Yb ³⁺ /Er ³⁺ -Codoped Microring Resonators, in OPTICAL COMPONENTS AND MATERIALS XII, vol. 9359, 2015.	0.25	2
Ramona Galatus, Juan Valles	Optimized Design of Yb ³⁺ /Er ³⁺ -Codoped Cross-Coupled Integrated Microring Resonator Arrays, in PHOTONIC FIBER AND CRYSTAL DEVICES: ADVANCES IN MATERIALS AND INNOVATIONS IN DEVICE APPLICATIONS VIII, vol. 9200, 2014.	0.25	2
Juan Valles, R. Galatus	Analysis of Yb ³⁺ /Er ³⁺ -Codoped Microring Resonator Cross-Grid Matrices, in PHOTONICS NORTH 2014, vol. 9288, 2014.	0.25	2
N. Cennamo, G. D'Agostino, R. Galatus, L. Bibbo, M. Pesavento, L. Zeni	Sensors based on surface plasmon resonance in a plastic optical fiber for the detection of trinitrotoluene, in SENSORS AND ACTUATORS B-CHEMICAL, vol. 188, pp. 221-226, 2013.	3.84	6
Juan Valles, Ramona Galatus	Highly Yb ³⁺ /Er ³⁺ -Codoped Waveguide Microring Resonator Optimized Performance, in IEEE PHOTONICS TECHNOLOGY LETTERS, vol. 25, no. 5, pp. 457-459, 2013.	2.176	2
Ramona Galatus, Nunzio Cennamo, Emil Voiculescu	Optimal Design of D-type Plastic Fibers for best sensitivity of SPR Sensors, in INTERDISCIPLINARY RESEARCH IN ENGINEERING: STEPS TOWARDS BREAKTHROUGH INNOVATION FOR SUSTAINABLE DEVELOPMENT, vol. 8-9, pp. 563-573, 2013.	0.25	3
N. Cennamo, M. Pesavento, G. D'Agostino, R. Galatus, L. Bibbo, L. Zeni	Detection of trinitrotoluene based on SPR in molecularly imprinted polymer on Plastic Optical Fiber, in FIFTH EUROPEAN WORKSHOP ON OPTICAL FIBRE SENSORS, vol. 8794, 2013.	0.25	6
Nunzio Cennamo, Davide Massarotti, Ramona Galatus, Laura Conte, Luigi Zeni	Performance Comparison of Two Sensors Based on Surface Plasmon Resonance in a Plastic Optical Fiber, in SENSORS, vol. 13, no. 1, pp. 721-735, 2013.	2.048	5
L. Puscas, E. Rotar, R. Galatus, N. Puscas	Modelling of the Bragg gratings fabricated on Er(3+)-doped Ti:LiNbO(3) optical waveguides, in ADVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS, AND NANOTECHNOLOGIES IV, vol. 7297, 2009.	0.25	4
Liliana Puscas, Ramona Galatus, Niculae Puscas	Theoretical Study of the Statistical Properties of Single- and Double-Pass M-Mode Er ³⁺ -Ti:LiNbO ₃ Straight Waveguide Amplifiers, in FIBER AND INTEGRATED OPTICS, vol. 28, no. 2, pp. 170-178, 2009.	0.403	3
Dorin Petreus, Daniel Moga, Ramona Galatus, Radu Munteanu	Modeling and Sizing of Supercapacitors, in ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol. 8, no. 2, pp. 15-22, 2008.	0.642	4

S. Ghinoiu, L. Puscas, E. Rotaru, R. Galatus, N. Puscas	Evaluation of the attenuation and the optical coupling between optical fibers and waveguides, in Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies III, vol. 6635, pp. U334-U340, 2007.	0.25	5	6.5
Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)				Punctaj
				39.381
Autori	Titlu lucrare / revista (conferinta)	Baza de date	Nr. autori	Punctaj
Ramona Galatus, Dorin Petreus, Daniel Moga, Tiberiu Marita, Nicoleta Stroia	Extending Battery Life Time in the Wireless Sensor Applications with Fluorescent Optical Fiber Concentrator, 2018 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) - Sensors and Transducers, 13-17 May 2018, Houston, USA (accepted)	IEEE-Scopus	5	4
Lorant Szolga, Ramona Galatus, Gabriel Olteanu	Fluorescent Optical Fiber Sensor for Arcing and Flame Monitoring in Electrical Distribution Boards, 2018 IEEE International Instrumentation and Measurement Technology Conference (I2MTC) - Sensors and Transducers, 13-17 May 2018, Houston, USA (accepted)	IEEE-Scopus	3	6.66666667
Cennamo, N.aEmail Author, De Maria, L.b, Chemelli, C.b, Pesavento, M.c, Profumo, A.c, Galatus, R.d, Zeni, L	Surface Plasmon Resonance Sensor in Plastic Optical Fibers. Influence of the Mechanical Support Geometry on the Performances, Lecture Notes in Electrical Engineering Volume 431, 2018, Pages 135-1413rd National Conference on Sensors, 2016; Rome; Italy; 23 February 2016 through 25 February 2016; Code 198079	Scopus	7	2.85714286
Galatus Ramona Voichita ; Emil Voiculescu ; Nunzio Cennamo ; Luigi Luongo ; Luigi Zeni	Augmented workplace for SPR sensor application, Sensors Applications Symposium (SAS), 2016 IEEE, Catania, Italy, IEEEExplore, DOI: 10.1109/SAS.2016.7479824 , http://ieeexplore.ieee.org/document/7479824/	IEEEExplore	5	4
C. Cristea, A. Florea, R. Galatus, E. Bodoki, R. Sandulescu, D. Moga, D. Petreus	Innovative immunosensors for early stage cancer diagnosis and therapy monitoring, in IFMBE Proceedings, vol. 42, pp. 47-50, 2014.	Scopus	7	2.85714286
Galatus, R., Farago, P., Marita, T., Zeni, L.	Integrated system SPR array sensors based on side glow MMA fibers, Nonlinear Photonics 2018, Zurich Switzerland, 2-5 July 2018, ISBN: 978-1-943580-43-9	Scopus	4	5
Trifa, V., Marschalko, R., Szekely, A., Szasz, C., Gălătuș, R.	Investigation of a four phase switched reluctance motor supplied from a PWM inverter, OPTIM 1998 - Proceedings of the 6th International Conference on Optimization of Electrical and Electronic Equipments	Scopus	5	4
R. Galatus, E. Voiculescu	Distributed active optical fiber sensor, for bending measurement, in Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol. 6883 LNAI, no. PART 3, pp. 493-498, 2011.	Scopus	2	10

3. PROIECTE

PROIECTE CA DIRECTOR SAU RESPONSABIL STIINTIFIC

Denumire proiect		Perioada	Nr. ani	Punctaj	
National	Management and evaluation of the local and regional hipertermia models using advanced methods for temperature measurement and control", Romanian Academy ASTR-CA1-2016, partners University of Medicine and Pharmacy "Iuliu Hatieganu" Cluj-Napoca and Tedelco SRL, valoare 65.400 RON (14.034 EUR)	2017	0.4	4	Responsabil stiintific
National	Nano-biosenzor optic cu interfata smartphone pentru detectia rapida si selectiva a antibioticelor din apa, PN-III-P2-2.1-PED-2016-0172 (2017-2018), UEFISCDI, valoare 600.000 RON (128.755 EUR)	2017-2018	1.5	15	Director

MEMBRU IN ECHIPA UNOR PROIECTE INTERNATIONALE

Nr.	Denumire proiect	Perioada	Nr. ani	Punctaj	
1	HORIZON2020- COST "MP 1401 - Advanced Fibre Laser and Coherent Source as tools for Society, Manufacturing and Lifescience", http://www.cost.eu/domains_actions/mpns/Actions/MP1401?management	10 Dec 2014-9 Dec 2018	4	16	Management comitee member-responsabil UTCN
2	ERANET-,Abordări tehnologice inovative pentru validarea AGEs salivare (Prođuşilor Finali de Glicozilare Avansată) ca noi biomarkeri în evaluarea factorilor de risc în bolile relaţionate cu dieta", Innovative Technological Approaches for validation of Salivary AGEs as novel biomarkers in evaluation of risk factors in diet-related diseases,	1 ianuarie 2018-2021	3	12	Coordonator UMF-Dr Aranka Ilea
3	HORIZON2020-COST-TD1205-Innovative methods in radiotherapy and radiosurgery using synchrotron radiation http://www.cost.eu/domains_actions/bmbs/Actions/TD1205?management	21 May 2013-20 May 2017	4	16	Substitute Management comitee member-responsabil UTCN
4	HORIZON2020-COST-CA16220-European Network for High Performance Integrated Microwave Photonics , COST Action , http://www.cost.eu/COST_Actions/ca/CA16220	4 Oct 2017-3 Oct 2021	4	16	Substitute Management comitee member-responsabil UTCN
5	FP7-COST TD1001-Novel and Reliable Optical Fibre Sensor Systems for Future Security and Safety Applications (OFSeSa) link: http://www.cost.eu/COST_Actions/ict/Actions/TD1001?management	2010-2013	3	12	Substitute Management comitee member-responsabil UTCN
6	FP7-COST MP1307-Stable Next-Generation Photovoltaics: Unraveling degradation mechanisms of Organic Solar Cells by complementary characterization techniques (StableNextSol) link: http://www.cost.eu/COST_Actions/mpns/Actions/MP1307?management	2014-2018	4	16	Substitute Management comitee member-responsabil UTCN
7	Femtosecond-laser Assisted Self-Organization Processes for Photonics: Design of Photonic Devices and Experimental Characterization, Principal Investigator: Juan Antonio Valles Brau, Universitatea de Stiinte din Zaragoza, Spania - proiect castigat prin competitie in Spania, responsabil UTCN: R. Galatus	2015-2018	3	12	responsabil UTCN: R. Galatus
8	Seed network, Fibre Sensing in Harsh Environment, French Embassy in UK, FINDERS, https://uk.ambafrance.org/Seed-Meeting-Fibre-Sensing-in-Harsh-Environment-FINDERS	2016	0.10	0.4	responsabil UTCN: R. Galatus

MEMBRU IN ECHIPA UNOR PROIECTE NATIONALE

Nr.	Denumire proiect	Perioada	Nr. ani	Punctaj	
1	National Echipament de chimiohipertermie intraperitoneala dezvoltat prin paradigma Cyber-Physical System/ PN-II-RU-TE-2014-4-2859 (2014-2018)	2014-2018	3	6	Director: Prof D. Moga
2	National DAMFU-Sistem inteligent de urmare a comportării barajelor prin fuziunea informațiilor , PN-III-P2-2.1-PTE-2016-0134(2017-2018)	2017-2018	2	4	Responsabil: Prof G Olteanu
3	National "Cercetări privind dezvoltarea tehnicilor computerizate de screening citologic și asistare a diagnosticului histopatologic", contract CNCISIS de tip A	2005-2008	3	6	Director: prof. V. Trifa
4	National Program postdoctoral "4D-POSTDOC, POSDRU/89/1.5/S/62557, tema de cercetare: Metode de prelucrare a semnalului optic, bursa postdoctorala	2010-2013	3	6	Director: prof A. Vlaicu
5	National HydroSens, Sistem integrat de senzori inteligenti pentru monitorizarea constructiilor hidrotehnice de importanta strategica, PN-II-PT-PCCA-71/2012	2014-2017	3	6	Director: Prof Daniel Moga
6	National Cercetari privind implementarea unui laborator virtual pentru motoare electrice reluctantante folosind rețeaua Internet. CNCISIS, 2004-2006.	2004-2006	3	6	Director: prof. V. Trifa
7	National Implementarea comenzii in timp real a servomotorului cu reluctantanta autocomutat cu alimentare ecologica din rețeaua de c.a. CNCISIS, 1998-2000.	1998-2000	3	6	Director: prof. V. Trifa
8	National Sisteme electrice optimizate energetic pentru transportul terestru utilizind baterii si super-condensatori code 21018, 2008-2009, beneficiar CNMP	2008-2009	1	2	Director: Conf. Palaghita
9	National "Studii universitare de masterat in domeniul Inginerie si Management", code 6831 (POSDRU-Fonduri Europene), membru expert pe termen lung	2011-2014	3	6	Director: prof. D. Farcas
10	National POC: „MATERIALE ACTIVE UNICOMPONENTE PENTRU CELULE SOLARE ORGANICE BAZATE PE COMPUȘI PI-CONJUGATI AUTOASAMBLAȚI”, ID: P_37_220, Nr. contract: 21/1.09.2016, cod MySMIS: 103509	2017-2020	3	6	Director: Jean Roncali, France
11	National "Programul de Reforma a Invatamantului Superior și Cercetării RO-4096" [ProiectMaster RO-4096](84 de milioane USD de la Banca Mondiala)- DEZVOLTAREA STUDIILR LA NIVEL DE MASTER PENTRU INFORMATICA MEDICALA, http://old.uefiscdi.ro/Public/cat/459/RO-4096-1996--2002.html	1996-2002	6	12	Prof Stefan Tigan