

Concurs pentru ocuparea postului poz. 5 , de **Conferențiar Universitar**
 Departamentul de **Fizică**,
 Facultatea **Construcții de Mașini și Management Industrial**
 Disciplinele: **FIZICĂ**,
 Domeniul **FIZICĂ**,
 Post publicat în Monitorul Oficial al României nr. 391 din 27.04.2022

LISTA DE LUCRĂRI

Candidat: **CAZACU Gh. Marius-Mihai - Dr. din 2011, Lector Universitar din 2017**

1° Teza de doctorat (T1)

Contribuții la implementarea primei rețele LIDAR la scară națională pentru caracterizarea optică a aerosolilor atmosferici, Universitatea "Alexandru Ioan Cuza" din Iași, 17.12.2010, Prof. Dr. DORHOI Dana-Ortansa

2° Cărți/ cursuri/ manuale publicate în edituri recunoscute din țară sau din străinătate (Ca1, Ca2 etc.), îndrumare publicate/culegeri de probleme (I1, I2 etc.), sisteme de laborator funcționale etc. (D1, D2 etc.) cursuri proprii pe Web, sisteme e-learning etc. (W1, W2 etc.), după caz, precum și alte lucrări (M1, M2 etc.) prin care se aduc contribuții la dezvoltarea activităților didactice/ profesionale.

	Carte/ curs/ manual publicată în străinătate	Punctaj
	Capitol carte/ curs/ manual publicat în străinătate	
Ca	Ca.1. T.B. Coman, M.M. Cazacu , G. Apreotesel., M. Prelipceanu, I. Radinschi; <i>In-person versus virtual activities: Assessing the usefulness and impact of simulated experiments</i> , a case study, Biomedical Engineering Tools for Management for Patients with COVID-19, Capitol carte, Academic Press, 2021, Pages 73-86, ISBN 9780128244739, https://doi.org/10.1016/B978-0-12-824473-9.00004-5 .	0.259
	Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor)	
	Ca.2. M. Voiculescu, S. Condurache-Bota, L. Sfică, M.M. Cazacu , <i>Teste și întrebări de fizica atmosferei, meteorologie și climatologie</i> , Editura: Ars Longa, ISBN 978-973-148-354-9, 2020.	1.363
	Capitol curs/ manual publicat în editură recunoscută CNCS	
Total punctaj Ca de la ultima promovare: 1,622		
Total punctaj Ca: 1,622		
	Îndrumar/ culegere de probleme (publicat sau disponibil pe Web)	
I	I.1. Irina Radinschi, Marius Mihai Cazacu , "Physics 1 quizzes" for Faculty of Civil Engineering and Building Services Students - 2021	2.400
	I.2. Irina Radinschi, Marius Mihai Cazacu , <i>Teste Grilă de Fizică [Fizica 1], pentru studenții Facultății de Construcții și Instalații din cadrul Universității Tehnice Gheorghe Asachi din Iași</i> , 2020	1.300
	I.3. Irina Radinschi, Marius Mihai Cazacu , <i>Teste Grilă de Fizică [Fizica 2], pentru studenții Facultății de Construcții și Instalații din cadrul Universității Tehnice Gheorghe Asachi din Iași</i> , 2020;	0.800
	I.4. Nechifor Cristina Delia, Cazacu Marius Mihai , „Metode moderne de achiziție și prelucrare a datelor”, Suport de Laborator elaborat în cadrul proiectului Perfecționarea teoretică și practică a cadrelor didactice din învățământul preuniversitar pentru folosirea tehnologiilor educaționale moderne în predarea fizicii și disciplinelor tehnice, Contract POSDRU /157/1.3/S/132731, 2014.	1.800
Total punctaj I de la ultima promovare: 6,122		
Total punctaj I: 6,30		
	Sisteme de laborator funcționale	
D	D.1. Marius Mihai Cazacu - <i>Experimentul Franck și Hertz. Determinarea primului potențial de excitație la atomii de neon prin folosirea metodelor moderne de achiziție și</i>	2.00

	prelucrare a datelor - Realizat cu sprijinul proiectului: ROSE nr. 288/SGU/CI/III – NETLAB - 2022	
	D.2. Marius Mihai Cazacu , Irina Radinschi - Oscilații amortizate. Oscilații forțate. Pendulul lui Pohl - Realizat cu sprijinul proiectului: ROSE nr. 288/SGU/CI/III – NETLAB - 2022	1.00
	D.3. Marius Mihai Cazacu , Irina Radinschi - Studiul fenomenelor specifice undelor electromagnetice. Microundele - Realizat cu sprijinul proiectului: ROSE nr. 288/SGU/CI/III – NETLAB - 2022	1.00
	D.4. Marius Mihai Cazacu - Studiul proprietăților elastice prin folosirea metodelor moderne de achiziție și prelucrare a datelor - Realizat cu sprijinul proiectului POSDRU /157/1.3/S/132731 - 2014	2.00
	D.5. Marius Mihai Cazacu - Studiul oscilațiilor prin folosirea metodelor moderne de achiziție și prelucrare a datelor - Realizat cu sprijinul proiectului POSDRU /157/1.3/S/132731 - 2014	2.00
	D.6. Marius Mihai Cazacu - Verificarea legii lui Ohm prin folosirea metodelor moderne de achiziție și prelucrare a datelor - Realizat cu sprijinul proiectului POSDRU /157/1.3/S/132731 - 2014	2.00
	D.7. Marius Mihai Cazacu - Efectul Hall prin folosirea metodelor moderne de achiziție și prelucrare a datelor - Realizat cu sprijinul proiectului POSDRU /157/1.3/S/132731, - 2014	2.00
	D.8. Marius Mihai Cazacu - Studiul proprietăților luminii laser prin folosirea metodelor moderne de achiziție și prelucrare a datelor – Realizat cu sprijinul proiectului POSDRU /157/1.3/S/132731 - 2014	2.00
Total punctaj D de la ultima promovare: 4,00		
Total punctaj D: 14,00		
	Utilizarea sistemelor de predare/ învățare/ evaluare de tip e-learning/ on-line/ multimedia etc.	
	W.1. Marius Mihai Cazacu , "Suport de curs electronic pentru studenții Facultății de Inginerie Chimică și Protecția Mediului și a Facultății de Hidrotehnică, Geodezie și Ingineria Mediului, din cadrul Universității Tehnice Gheorghe Asachi din Iași", 2021.	1
	W.2. Suport de prezentare on-line interactivă: <i>Oscilații amortizate</i> (lucrare publicată: Radinschi I., Fratiman V., Cazacu M. M. , Ciocan V., Covatariu G. (2018), Javascript computer simulation for damped oscillations in a series RLC circuit, a tool to improve students' learning, In: Proceedings of EDULEARN18 Conference (pp. 6015–6024). IATED, Palma, Mallorca, Spain, pp. 6015–6024.), Link: http://server.ce.tuiasi.ro/~radinschi/simulation/sim5/index.html	0.24
W	W.3. Suport de prezentare on-line interactivă: <i>Unde stationare mecanice</i> (lucrare publicată: Radinschi I., Fratiman V., Ciocan V., Cazacu M. M. (2017), Interactive computer simulations for standing waves, Computer Applications in Engineering Education, vol. 25, no. 3, pag. 521–529.), Link: http://server.ce.tuiasi.ro/~radinschi/simulation/sim2/index.html	0.3
	W.4. Suport de prezentare on-line interactivă: <i>Unde stationare electromagnetice</i> (lucrare publicată: Radinschi I., Fratiman V., Ciocan V., Cazacu M. M. (2017), Interactive computer simulations for standing waves, Computer Applications in Engineering Education, vol. 25, no. 3, pag. 521–529.), Link: http://server.ce.tuiasi.ro/~radinschi/simulation/sim3/index.html	0.3
	W.5. Suport de prezentare on-line interactivă: <i>Compunerea a două oscilații de aceeași frecvență</i> (lucrare publicată: I. Radinschi, V. Fratiman, M.-M. Cazacu and G. Covatariu - A computer aided study of two perpendicular harmonic oscillations of the same frequency, Bul. I.P. Jassy, Math. Mechanical Theory. Physics, LXII (LXVI), Fasc. 1, 2016), Link: http://server.ce.tuiasi.ro/~radinschi/simulation/sim1/index.html	0.3
Total punctaj W de la ultima promovare: 1,840		
Total punctaj W: 2,140		
M		
	M1	

Total punctaj 2 de la ultima promovare: 11,962

Total punctaj 2: 24,062

3° Cărți/ capitole cărți de specialitate publicate în edituri recunoscute din țară sau din străinătate (Cb1, Cb2 etc.), articole/ studii publicate în reviste din țară/ străinătate, cu factor de impact/ indexate în BDI/ neindexate în BDI (R1, R2 etc.), brevete de invenție (B1, B2 etc.), creații artistice prezentate la manifestări recunoscute din țară/ străinătate (A1, A2 etc.), articole/ studii publicate în volumele

manifestărilor științifice naționale/ internaționale indexate BDI/ neindexate BDI (V1, V2 etc.), după caz, precum și alte lucrări (N1, N2 etc.) prin care se aduc contribuții științifice la dezvoltarea domeniului.

	Carte de specialitate publicată în editură din străinătate	Punctaj
	Capitol carte de specialitate publicată în editură din străinătate	
Cb	Cb.1. Buzea, C. G., Eva, L., Prelipceanu, M., Cazacu, M. M. , Garofalide, S., & Agop, M. (2021). <i>Coronavirus disease COVID-19 tracking the global outbreak. SEIR compartmental model applied to SARS-CoV-2 epidemic in Romania. Biomedical Engineering Tools for Management for Patients with COVID-19</i> , 87–102, Capitolul 5, https://doi.org/10.1016/B978-0-12-824473-9.00002-1	0.267
	Cb.2. Mireștean, C. C., Agop, M., Buzea, C. G., Cazacu, M. M. , Prelipceanu, M., Iancu, R. I., & Iancu, D. T. (2021). <i>Radiotherapy challenges in COVID era. Biomedical Engineering Tools for Management for Patients with COVID-19</i> , 41–72, Capitolul 3, https://doi.org/10.1016/B978-0-12-824473-9.00009-4	0,457
	Carte de specialitate/ capitol publicat în editură din țară, recunoscută CNCS	
	Cb.3. A. Ionce, I.S. Stratulat, A. Timofte, M.M Cazacu , <i>Analiza unui areal natural de balneoclimatoterapie: Cacica, Județul Suceava</i> , Capitol din Partea III-a al cărții: <i>Balneoclimatologia în România și Republica Moldova</i> , coordonator I.S. Stratulat, Editura Academiei Române, ISBN 978-973-27-3005-8, 2018	0,980
	Cb.4. A. Ionce, I.S. Stratulat, M.M Cazacu , A. Timofte, <i>Analiza unui areal natural de balneoclimatoterapie: Cacica, Județul Suceava</i> , Capitol din Partea III al cartii: <i>Balneoclimatologia Românească. Istoric și perspective europene</i> , coordonator I.S. Stratulat, Editura Academiei Române, ISBN 978-973-27-2704-1, 59 pg., 2016.	1,180
	Cb.5. M.M. Cazacu , A. Timofte, G. Bulai, S. Gurlui, D. Nicolae, A. Nemuc, L. Belegante, C. Radu, (2016), <i>Advanced optical remote sensors for airborne and spaceborne platforms (DARLIOES)</i> , Capitol din cartea: <i>Romanian projects and initiatives in support of Earth Observation</i> , p. 37 - 40, Editura Tehnopress, ISBN: 978-606-687-281-2	0,030
	Total punctaj Cb de la ultima promovare: 1,704	
	Total punctaj Cb: 2,914	
	Articol publicat în revistă cotate ISI, cu factor de impact	
R	R.1. Roșu, I. A., Nica, D. C., Cazacu, M. M. , & Agop, M. (2022). <i>Cellular Self-Structuring and Turbulent Behaviors in Atmospheric Laminar Channels</i> . <i>Frontiers in Earth Science</i> , 9, 1344. https://doi.org/10.3389/FEART.2021.801020/BIBTEX	1.500
	R.2. Luțcanu, M., Coteață, M., Bernevig, M. A., Nechifor, C. D., Cazacu, M. M. , Paraschiv, P., Istrate, B., Bădăraș, G., Sandu, I. G., & Cimpoeșu, N. (2022). <i>Obtaining and Analyzing the Al₂O₃-ZrO₂ Ceramic Layers on Metallic Substrate</i> . <i>Archives of Metallurgy and Materials</i> , 67(2), 479–485.	0.600
	R.3. Panaghie, C., Cimpoesu, N., Benchea, M., Roman, A., Manole, V., Alexandru, A., Cimpoesu, R., Cazacu, M. M. , Wnuk, I., & Zegan, G. (2022). <i>"In-vitro" Tests on New Biodegradable Metallic Material Based on ZnMgY</i> . <i>Archives of Metallurgy and Materials</i> , 67(2), 587–594.	0.600
	R.4. Nica, D.-C., Cazacu, M.-M. , Constantin, D.-E., Nedeff, V., Nedeff, F., Vasincu, D., Roșu, I.-A., & Agop, M. (2022). <i>Boundary Layer via Multifractal Mass Conductivity through Remote Sensing Data in Atmospheric Dynamics</i> . <i>Fractal and Fractional</i> 2022, Vol. 6, Page 250, 6(5), 250. https://doi.org/10.3390/FRACTALFRACT6050250	0.750
	R.5. Radinschi, I., Grammenos, T., Spanou, A., Chattopadhyay, S., & Cazacu, M. M. (2022). <i>Landau-Lifshitz and Weinberg Energy Distributions for the Static Regular Simpson-Visser Space-Time Geometry</i> . <i>Symmetry</i> 2022, Vol. 14, Page 900, 14(5), 900. https://doi.org/10.3390/SYM14050900	1.200
	R.6. Radinschi, I., Grammenos, T., Chakraborty, G., Chattopadhyay, S., & Cazacu, M. M. (2021). <i>Einstein and Møller Energy-Momentum Distributions for the Static Regular Simpson-Visser Space-Time</i> . <i>Symmetry</i> , 13(9), Article 1622. https://doi.org/10.3390/sym13091622	1.200
	R.7. Roșu, I., Nica, D., Cazacu, M. M. , & Agop, M. (2021). <i>Towards Possible Laminar Channels through Turbulent Atmospheres in a Multifractal Paradigm</i> . <i>Atmosphere</i> , 12(8), Article 1038. https://doi.org/10.3390/atmos12081038	1.500
	R.8. Roșu, I. A., Cazacu, M. M. , & Agop, M. (2021). <i>Multifractal model of atmospheric turbulence applied to elastic lidar data</i> . <i>Atmosphere</i> , 12(2), 1–25. https://doi.org/10.3390/atmos12020226	2.000

R.9. Radinschi, I., Grammenos, T., Sahoo, P. K., Chattopadhyay, S., & Cazacu, M. M. (2021). <i>Einstein and Møller energies of a particular asymptotically Reissner–Nordström non-singular black hole solution</i> . <i>Astronomische Nachrichten</i> . https://doi.org/10.1002/asna.202113917	1.200
R.10. Radinschi, I., Sahoo, P. K., Grammenos, T., Chattopadhyay, S., & Cazacu, M.M. (2020). <i>Localization of Energy and Momentum in an Asymptotically Reissner–Nordström Non-Singular Black Hole Space-Time Geometry</i> . <i>Universe</i> , 6(5), Article 69. https://doi.org/10.3390/universe6050069	1.200
R.11. Radinschi, I., Grammenos, T., Rahaman, F., Cazacu, M. M. , Spanou, A., & Chakraborty, J. (2020). <i>On the energy of a non-singular black hole solution satisfying the weak energy condition</i> . <i>Universe</i> , 6(10), Article 169. https://doi.org/10.3390/universe6100169	1.000
R.12. Roşu, A. I., Cazacu, M. M. , Ghenadi, S. A., Bibere, L., & Agop, M. (2020). <i>On a multifractal approach of turbulent atmosphere dynamics</i> . <i>Frontiers in Earth Science</i> , 8, Article 216. https://doi.org/10.3389/feart.2020.00216	1.200
R.13. Țîmpu, S., Sfîcă, L., Dobri, R.V., Cazacu, M.M. , Nita, A.I., & Birsan, M.V. (2020). <i>Tropospheric Dust and Associated Atmospheric Circulations over the Mediterranean Region with Focus on Romania's Territory</i> . <i>Atmosphere</i> , 11(4), Article 349. https://doi.org/10.3390/atmos11040349	1.000
R.14. Rosu, I.A., Ferrarese, S., Radinschi, I., Ciocan, V., & Cazacu, M. M. (2019). <i>Evaluation of Different WRF Parametrizations over the Region of Iasi with Remote Sensing Techniques</i> . <i>Atmosphere</i> , 10(9), Article 559. https://doi.org/doi:10.3390/atmos10090559	1.200
R.15. Rosu, I.-A., Cazacu, M.-M. , Prelipceanu, O., & Agop, M. (2019). <i>A Turbulence-Oriented Approach to Retrieve Various Atmospheric Parameters Using Advanced Lidar Data Processing Techniques</i> . <i>Atmosphere</i> , 10(1), Article 38. https://doi.org/10.3390/atmos10010038	1.500
R.16. Radinschi, I., Grammenos, T., Rahaman, F., Spanou, A., Cazacu, M. M. , Chattopadhyay, S., & Pasqua, A. (2018). <i>Localization of Energy-Momentum for a Black Hole Spacetime Geometry with Constant Topological Euler Density</i> . <i>Advances in High Energy Physics</i> , 2018, Article 5212696. https://doi.org/10.1155/2018/5212696	0.857
R.17. Bulai, G., Rusu, O., Cazacu, M. M. , Tudorache, F., Chazallon, B., Focsa, C., & Gurlui, S. (2018). <i>Structural, magnetic and humidity sensing properties of rare earth doped cobalt ferrite thin films synthesized by pulsed laser deposition</i> . <i>Journal of Ovonic Research</i> , 14(2), 119–128.	0.857
R.18. Cocean, A., Cocean, I., Cazacu, M. M. , Bulai, G., Iacomi, F., & Gurlui, S. (2018). <i>Atmosphere self-cleaning under humidity conditions and influence of the snowflakes and artificial light interaction for water dissociation simulated by the means of COMSOL</i> . <i>Applied Surface Science</i> , 443, 83–90.	1.000
R.19. Radinschi, I., Fratiman, V., Ciocan, V., & Cazacu, M. M. (2017). <i>Interactive computer simulations for standing waves</i> . <i>Computer Applications in Engineering Education</i> , 25(3), 521–529. https://doi.org/10.1002/cae.21818	1.500
R.20. Banica, A., Bobric, E. D., Cazacu, M. M. , Timofte, A., Gurlui, S., & Breaban, I. G. (2017). <i>Integrated assessment of exposure to traffic-related air pollution in Iasi city, Romania</i> . <i>Environmental Engineering and Management Journal</i> , 16(9), 2147–2163.	1.000
R.21. Cocean, A., Pelin, V., Cazacu, M. M. , Cocean, I., Sandu, I., Gurlui, S., & Iacomi, F. (2017). <i>Thermal effects induced by laser ablation in non-homogeneous limestone covered by an impurity layer</i> . <i>Applied Surface Science</i> , 424(3), 324–329. https://doi.org/10.1016/j.apsusc.2017.03.172	0.857
R.22. Cazacu, M.M. , Tudose, O., Boscornea, A., Buzdugan, L., Timofte, A., Nicolae, D., 2017: <i>Vertical and temporal variation of aerosol mass concentration at Magurele – Romania during EMEP / PEGASOS campaign</i> . <i>Rom. Reports Phys.</i> 69, S. 1–15;	1.000
R.23. Cazacu, M.M. , Tudose, O.G., Timofte, A., Rusu, O., Apostol, L., Leontie, L., Gurlui, S., (2016): <i>A case study of the behavior of aerosol optical properties under the incidence of a Saharan dust intrusion event</i> . <i>Appl. Ecol. Environ. Res.</i> 14 (3), S. 183–194;	0.857
R.24. Belegante, L., Cazacu, M.M. , Timofte, A., Toanca, F., Vasilescu, J., Rusu, M.I., Ajtai, N., Stefanie, H.I., Vetres, I., Ozunu, A., Gurlui, S., (2015): <i>Case study of the first volcanic ash exercise in Romania using remote sensing techniques</i> . <i>Environ. Eng. Manag. J.</i> 14 (11), S. 2503–2514;	0.545

R.25. Cazacu, M.M. , Timofte, A., Unga, F., Albina, B., Gurlui, S., (2015): <i>AERONET data investigation of the aerosol mixtures over Iasi area, One-year time scale overview</i> . J. Quant. Spectrosc. Radiat. Transf. 153 S. 57–64;	1.200
R.26. Timofte, A., Belegante, L., Cazacu, M.M. , Albina, B., Talianu, C., Gurlui, S., (2015): <i>Study of planetary boundary layer height from LIDAR measurements and ALARO model</i> . J. Optoelectron. Adv. Mater. 17 (7–8), S. 911–917;	1.000
R.27. Papayannis, A., Nicolae, D., Kokkalis, P., Binietoglou, I., Talianu, C., Belegante, L., Tsaknakis, G., Cazacu, M.M. , Vetres, I., Ilic, L., (2014): <i>Optical, size and mass properties of mixed type aerosols in Greece and Romania as observed by synergy of lidar and sunphotometers in combination with model simulations: A case study</i> . Sci. Total Environ. 500–501 S. 277–294;	0.600
R.28. Unga, F., Cazacu, M.M. , Timofte, A., Bostan, D., Mortier, A., Dimitriu, D.G., Gurlui, S., Goloub, P., (2013): <i>Study of tropospheric aerosol types over Iasi, Romania, during summer of 2012</i> . Environ. Eng. Manag. J. 12 (2), S. 297–303;	0.750
R.29. Cazacu, M.M. , Timofte, A., Talianu, C., Nicolae, D., Danila, M.N., Unga, F., Dimitriu, D.G., Gurlui, S., 2012: <i>Grimsvotn Volcano: atmospheric volcanic ash cloud investigations, modelling-forecast and experimental environmental approach upon the Romanian area</i> . J. Optoelectron. Adv. Mater. 14 (5–6), S. 517–522;	0.750
R.30. Vetres, I., Ionel, I., Cazacu, M.M. , Balin, I., (2012): <i>Necessity of complementary vertically-resolved LIDAR observation for ground air pollution analysis in western Romania</i> . J. Environ. Prot. Ecol. 13 (2), S. 409–419;	1.500
R.31. Timofte, A., Cazacu, M.M. , Radulescu, R., Belegante, L., Dimitriu, D.G. & Gurlui, S. (2011) <i>Romanian lidar investigation of the Eyjafjallajökull volcanic ash</i> . Environmental Engineering and Management Journal. 10 (1), 91–97;	1.000
R.32. Cazacu, M.M. , Timofte, A., Balin, I., Dimitriu, D.G., Gurlui, S., 2011: <i>Complementary atmospheric urban pollution studies in the North-East region of Romania, Iasi county</i> . Environ. Eng. Manag. J. 10 (1), S. 139–145;	1.200
R.33. Iacomî, F., Apetroaei, N., Calin, G., Zoderiu, G., Cazacu, M.M. , Scarlat, C., Goian, V., Menzel, D., Jursic, I. & Schoenes, J. (2007) <i>Structure and surface morphology of Mn-implanted TiO₂</i> . Thin Solid Films. 515 (16), 6402–6406;	0.600
R.34. Covasniianu, A., Cazacu, M. , Libralesso, N., Galisson, L., Memier, M., Balin, I., 2007: <i>Digital terrain model by airborne LIDAR technique: An essential tool for hydrologic risks assessment</i> . J. Optoelectron. Adv. Mater. 9 (11), S. 3529–3532.	1.000
Articol publicat în revistă indexată în baze de date internaționale (BDI)	
R.35. Roșu A. I., Cazacu A., Bodale I., Cazacu M. M. (2020), <i>Developing a concrete inequality condition for Taylor's hypothesis in common turbulent atmospheric flows</i> , Bulletin of the Polytechnic Institute of Iasi, Section Mathematics. Theoretical Mechanics, Physics, vol. 66(70), No.4, pag. 49–55.	0.750
R.36. Roșu A. I., Cazacu M. M. (2020), <i>Further developments of a multifractal model of atmospheric turbulence</i> , Bulletin of the Polytechnic Institute of Iasi, Section Mathematics. Theoretical Mechanics, Physics, vol. 66(70), No. 3, pag. 77–91.	1.500
R.37. Pelin, V., Radinschi, I., Ciocan, V., Sandu, I., Coman, T. B., & Cazacu, M. M. (2020). <i>Preliminary Evaluation of Coating Hydrophobization of Natural Stone from Repedea - Iasi area (Romania)</i> . Revista de Chimie, 71(1), 273–282. https://doi.org/10.37358/RC.20.1.7845	0.500
R.38. Cazacu, M. M. , Pelin, V., Radinschi, I., Sandu, I., Ciocan, V., Sandu, I. G., & Gurlui, S. (2020). <i>Effects of meteorological factors on the hydrophobization of specific calcareous geomaterials from Repedea - Iasi area, under the urban ambient air exposure</i> . International Journal of Conservation Science, 11(4), 1019–1030.	0.600
R.39. Braniște M.V., Ștefan I., Ana M., Unga F., Cazacu M.M. , (2020), <i>Particle air pollution (PM₁₀) monitoring and public opinion on air quality. a case study in Northeastern Romania</i> , Bulletin of the Polytechnic Institute of Iasi, Chemistry and Chemical Engineering Section, vol. 66(70), No. 4, pag. 56–67.	0.600
R.40. Covatariu G., Radinschi I., Ciocan V., Verdeș M., Frățiman V., Cazacu M. M. , Coman T. B. (2019), <i>Analysis on the use of Javascript and Adobe Flash programs for teaching physics in civil engineering</i> , Bulletin of the Polytechnic Institute of Iasi, Section Mathematics. Theoretical Mechanics, Physics, vol. 65(69), no. 4, pag. 69–78.	0.429
R.41. Prelepceanu O.S., Havriliuc Ș., Rusu I. D., Cazacu M. M. , Roșu I. A., Prelepceanu M., (2019) <i>New experimental approach of atmospheric pollutant compounds detection</i> , Bulletin of the Polytechnic Institute of Iasi, Chemistry and Chemical Engineering Section, vol. 65(69), No. 1, pag. 56–67.	0.500

R.42. Huşanu F. G., Cazacu M. M. , Bulai G., Gurlui S., Pettinelli E. (2018), <i>Laboratory measurements for the characterization of the physical parameters of geomaterials and planetary analogues</i> , Bulletin of the Polytechnic Institute of Jassy, Section Mathematics. Theoretical Mechanics, Physics, vol. 64(68), no. 1, pag. 17–23.	0.600
R.43. Amarandi L.-M., Unga F., Popovici I.-E., Goloub P., Cazacu M.-M. , Gurlui S.-O., Blarel L., Choël M. (2018), <i>Investigation of atmospheric particulate matter (PM) mass concentration spatial variability by means of on-foot mobile measurements in Lille, Northern France</i> , Bulletin of the Polytechnic Institute of Jassy, Section Mathematics. Theoretical Mechanics, Physics, vol. 64(68), no. 1, pag. 25–36.	0.375
R.44. Sfică, L., Iordache, I., Ichim, P., Leahu, A., Cazacu, M.M. , Gurlui, S., & Trif, C.-R. (2018). <i>The Influence of Weather Conditions and Local Climate on Particulate Matter (PM10) Concentration in Metropolitan Area of Iasi, Romania</i> . Present Environment and Sustainable Development, 12(2), 47–69. https://doi.org/10.2478/pesd-2018-0029	0.429
R.45. Prelipceanu O. S., Cazacu M. M. , Roşu I. A., Prelipceanu M. (2018), <i>Wireless system for monitoring and control of environmental parameters</i> , Bulletin of the Polytechnic Institute of Jassy, Section Mathematics. Theoretical Mechanics, Physics, vol. 64(68), no. 4, pag. 77–89.	0.750
R.46. Cazacu M. M. , Tudose O. G., Rusu O., Scripa A. E., Radinschi I. (2017), <i>An overview of remote sensing techniques for the tropospheric aerosols monitoring. A case study</i> , Bulletin of the Polytechnic Institute of Jassy, Section Mathematics. Theoretical Mechanics, Physics, vol. 63(67), no. 2, pag. 43–60.	0.600
R.47. Cazacu M. M. , Covatariu G., Radinschi I. (2017), <i>Statistical study of impact of the use of computer simulations on the improvement of students' marks</i> , Bulletin of the Polytechnic Institute of Iasi, Section Mathematics. Theoretical Mechanics, Physics, vol. 63(67), no. 1, pag. 35–42.	1.000
R.48. E.V. Gafton, Haque F., Huşanu F., Cazacu M. M. , Bulai G., Gurlui S. (2017), <i>Hydrogen passivation effect on ZnO powder</i> , Bulletin of the Polytechnic Institute of Jassy, Section Mathematics. Theoretical Mechanics, Physics, vol. 63(67), no. 2, pag. 61–70.	0.500
R.49. Radinschi, I., Fratiman, V., Cazacu, M.-M. , Covatariu, G. , (2016): <i>A Computer Aided Study of Two Perpendicular Harmonic Oscillations of the Same Frequency</i> . Bull. Polytech. Inst. Jassy, Sect. Math. Theor. Mech. Phys. 62(66) (1), S. 55–66;	0.750
R.50. Radinschi, I., Covatariu, G., Cazacu, M. , (2016): <i>Maple Program for Studying Physics Phenomena with Applications in Civil Engineering</i> . Intersections. 13 (2), S. 107–118;	1.000
R.51. Stratulat, S.I., Cazacu, M.M. & Timofte, A. (2015) <i>Ambient Air-Quality Impact as a Determinant External Factor of the Exposome in Cacica Area, Romania</i> . Journal of Environmental Science and Engineering A. 4 (11), 567–577;	1.000
R.52. Albina, B., Cazacu, M.M. , Timofte, A., Dimitriu, D.G., Gurlui, S., (2014): <i>Studies of planetary boundary layer by infrared thermal imagery</i> . AIP Conf. Proc. 174 S. 174–179;	0.600
R.53. O. Niculescu, M.M. Cazacu , M. Danila, D. Dimitriu, S. Gurlui, M. Agop, <i>Magnetosphere double layers and aurora borealis. Acceleration Mechanisms and Instabilities</i> , STUDIA UBB AMBIENTUM, LVII, 1-2, 2012, pp. 123-128	0.500
R.54. Danila, M.N., Unga, F., Cazacu, M.M. , Timofte, A., Strat, M., Dimitriu, D.G., Gurlui, S. , 2012: <i>Lidar measurements comparison of two volcanic eruptions: environmental influences upon the Romanian territory</i> . Analele Univ. Vest din Timişoara. LVI S. 68–75;	0.429
R.55. Danila, M.N., Cazacu, M.M. , Gurlui, S. , 2012: <i>Python utility: Laser-atmosphere interaction extended to network data management</i> . 5th Romania TIER 2 federation grid, cloud & high performance computing science (RO-LCG). IEEE. S. 90–92;	1.000
R.56. Tudose, O.-G., Cazacu, M.-M. , Timofte, A., Balin, I. , 2011: <i>ESYROLIDAR system developments for troposphere monitoring of aerosols and clouds properties</i> . Proc. SPIE. 8177 S. 817716-817716–10;	0.750
R.57. Grimberg, R., Savin, A., Steigmann, R., Andreescu, A., Iftimie, N., Cazacu, M.M. , Tamburrino, A., Melikhov, Y., Chen, Z., Udpa, L. , 2008: <i>Lifetime Prediction of Pressure Tubes in PHWR Nuclear Power Plants using Eddy Current Data</i> . Electromagn. Nondestruct. Eval. 31 S. 257–262;	0.300

	R.58. Raimond Grimberg, Paul Barsanescu, Adriana Savin, Rozina Steigmann, Marius Mihai Cazacu – <i>Evaluation of carbon epoxy composites delaminations using Lamb waves</i> , Buletinul Institutului Politehnic Iasi, tom LIII(LVII), Fasc.2, pp. 53-60, 2007;	0.600
	R.59. Raimond Grimberg, Ioan Curtu, Ioan Szava, Adriana Savin, Rozina Steigmann, Nicoleta Iftimie, Marius Mihai Cazacu – <i>Nondestructive evaluation with ultrasound of sandwich ligno-cellulose composites using noncontact transducers</i> , Buletinul Institutului Politehnic Iasi, tom LIII(LVII), Fasc.2, pp.61-68, 2007.	0.429
	Articol/studiu publicat în revistă de specialitate neindexată în baze de date	
	R.60. Iftime, M., Cazacu, M. , Albina, B., Stratulat, S.I., Gurlui, S.O. , 2015: <i>Exposomul: un nou concept privind studiile impactului calității mediului atmosferic asupra sănătății</i> . V. Adamachi. XXIV (1), S. 3–5.	0.200
Total punctaj R de la ultima promovare: 30,496		
Total punctaj R: 52,41		
B	Brevet de invenție acordat în străinătate	
	Brevet de invenție acordat în țară	
	...	
A	Creație artistică prezentată la manifestare recunoscută din străinătate	
	...	
	Creație artistică prezentată la manifestare recunoscută din țară	
V	Articol/studiu publicat în volumul unei manifestări științifice indexate în baze de date internaționale (BDI)	
	V.1. Coman, T. B., Cazacu, M. M. , & Radinschi, I. (2021). <i>Teaching strategy based on interactive use of computer simulations during COVID-19 pandemic</i> . INTED2021 Proceedings (pp. 10485–10490). IATED Academy, ISBN 978-84-09-27666-0	1.333
	V.2. Coman, T. B., Cazacu, M. M. , & Radinschi, I. (2021). <i>Developing virtual tools to complement experiments in the physics laboratory</i> . INTED2021 Proceedings (pp. 10499–10504). IATED Academy. ISBN 978-84-09-27666-0	1.333
	V.3. Cazacu M.M. , Cimpoeșu N., Băcăiță S. E., Zaharia M., <i>Characterization of mixing state of tropospheric aerosols by using scanning electron microscopy (SEM) and energy dispersive spectroscopy (EDS)</i> , Conference of the Romanian Electron Microscopy Society – CREMS 2019, October 23 – 25, 2019, Poiana Brașov, România	0.667
	V.4. Pelin, V., Rusu, O., Cazacu, M. M. , Gurlui, S., Sandu, A. V., Radinschi, I., Ciocan, V., & Sandu, I. (2018). <i>Assessment of Hydrophobic Coating on Porous Calcareous Rocks Surface Exposed in Urban Ambient Air Pollution</i> . IOP Conference Series: Materials Science and Engineering, 374(1), 012091. https://doi.org/10.1088/1757-899X/374/1/012091	0.500
	V.5. Radinschi, I., Fratiman, V., Cazacu, M. M. , Ciocan, V., & Covatariu, G. (2018). <i>Javascript computer simulation for damped oscillations in a series RLC circuit, a tool to improve students' learning</i> . Proceedings of EDULEARN18 Conference, (pp. 6015–6024). https://doi.org/10.21125/edulearn.2018.1438	0.800
	V.6. Radinschi, I., Cazacu, M. M. , Covatariu, G., Ciocan, V., Verdes, M., & Helepiciu (Gradinaru), C. M. (2018). <i>The effect of the use of computer simulations and virtual physics laboratory in gender performance of physics learning</i> . ICERI Proceedings (pp. 0549–0555). https://doi.org/10.21125/iceri.2018.1112	0.667
	V.7. Gurlui, S., Cazacu, M. M. , Timofte, A., Rusu, O., Bulai, G., & Dimitriu, D. (2018). <i>Space- and time-resolved Raman and breakdown spectroscopy: Advanced lidar techniques</i> . EPJ Web of Conferences, 176, Article no. 01028, (pp. 1–4). https://doi.org/10.1051/epjconf/201817601028	0.667
	V.8. Cazacu, M. M. , Tudose, O., Balanici, D., & Balin, I. (2018). <i>Research and development of commercial lidar systems in Romania: Critical review of the ESYRO lidar systems developed by SC Enviroscopy SRL (ESYRO)</i> . EPJ Web of Conferences, Vol. 176, Article no. 11005, (pp. 1–4). https://doi.org/10.1051/epjconf/201817611005	1.000
	V.9. Pelin, V., Rusu, O., Sandu, I. G., Vasilache, V., Gurlui, S., Sandu, A. V., Cazacu, M. M. & Sandu, I. G. G. (2017). <i>Approaching on Colorimetric Change of Porous Calcareous Rocks Exposed in Urban Environmental Conditions from Iasi - Romania</i> . IOP Conference Series-Materials Science and Engineering, Vol. 209, Issue 1, Article no. 012080 (pp.:1 - 8). https://doi.org/10.1088/1757-899X/209/1/012080	0.500
	V.10. Covatariu, G., Cazacu, M. M. , Radinschi, I., Ciocan, V., Fratiman, V., & Turcanu, F. E. (2017). <i>Statistical survey of the outcome of effective use of computer simulations</i>	0.667

<i>in students learning</i> . EDULEARN Proceedings: 9th International Conference on Education and New Learning Technologies (EDULEARN17), (pp. 887–893). ISBN 978-84-697-3777-4.	
Articol/studiu publicat în volumul unei manifestări științifice neindexate în baze de date	
V.11. Chirap, A., Prelipceanu, O.S., Cazacu, M.M. , Prelipceanu, M., Leontie, L., 2019. <i>Innovative Internet of Things Healthcare Applications based on Green Power Energy</i> , in: 2019 International Conference on Sensing and Instrumentation in IoT Era (ISSI). Institute of Electrical and Electronics Engineers (IEEE), pp. 1–6. doi:10.1109/issi47111.2019.9043660:	0.200
V.12. M.M. Cazacu , F. Unga, A. Mortier, P. Goloub, D. Dimitriu, S. Gurlui, <i>Optical parameters analysis of mixtures of biomass-burning and urban aerosols: a case study</i> , 6th Workshop on Optoelectronic Techniques for Environmental Monitoring, OTEM 2013, Jun, 2013, Timisoara, Romania;	0.167
V.13. M.M. Cazacu , F. Unga, N. Ajtai, H.I. Stefanie, A. Timofte, D. Dimitriu, S. Gurlui, <i>Monitoring and analyses of Grimsvötn volcanic dust intrusion over northern Romania. LIDAR and AERONET considerations</i> , 6th Workshop on Optoelectronic Techniques for Environmental Monitoring OTEM 2013, Jun, 2013, Timisoara, Romania;	0.143
V.14. O.G. Tudose, M.M. Cazacu , A. Timofte, D. Nicolae, S. Gurlui, I. Balin, May29, 2013 - <i>A Saharan dust event over Iasi region, Romania. Remote sensing Observations and regional dust modeling</i> , 6th Workshop on Optoelectronic Techniques for Environmental Monitoring, OTEM 2013, Jun, 2013, Timisoara, Romania;	0.167
V.15. Marius Mihai Cazacu , Adrian Timofte, Camelia Talianu, Doina Nicolae, Dan Gheorghe Dimitriu, Silviu Gurlui, <i>Iasi County: Atmospheric volcanic ash cloud investigations. Modeling-forecast and experimental environmental approach</i> , 5th Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2011, București, Romania;	0.167
V.16. Ioan-Sorin Stratulat, Marius-Mihai Cazacu , Adrian Timofte, Dan-Gheorghe Dimitriu, Silviu Gurlui, <i>Meteo-climatic factors influence upon Cacica salt-mines, Suceava county-natural climatic areal for medical rehabilitation treatment</i> , 5th Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2011, București, Romania;	0.200
V.17. Ioan-Sorin Stratulat, Adrian Timofte, Marius-Mihai Cazacu , Dan-Gheorghe Dimitriu, Silviu Gurlui, <i>Cacica salt-mines, Suceava county: meteorological factors and balneary-climatic potential studies</i> , 5th Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2011, București, Romania;	0.200
V.18. Ovidiu-Gelu Tudose, Marius-Mihai Cazacu , Adrian Timofte, Ioan Balin, <i>ESYROLIDAR system developments for troposphere monitoring of aerosols and clouds properties</i> , SPIE Remote Sensing, 2011, Prague, Czech Republic;	0.250
V.19. A. Timofte, M.M. Cazacu , D. Dimitriu, S. Gurlui, R. Radulescu, C. Talianu, <i>Utilizarea sistemelor LIDAR in Romania pentru investigarea norului de cenusa provenit de la vulcanul EYJAFJALLAJOKULL</i> , Sesiunea anuala de comunicari stiintifice, Administratia Nationala de Meteorologie, Bucuresti, Romania, 10 – 11 Noiembrie 2010;	0.167
V.20. Timofte, M.M. Cazacu , R. Radulescu, C. Talianu, D. Dimitriu, S. Gurlui, <i>First Romanian LIDAR investigation of the EYJAFJALLAJOKULL volcanic ash</i> , 4th International Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2010, București, Romania;	0.167
V.21. M.M. Cazacu , A. Timofte, D. Dimitriu, S. Gurlui, <i>Experimental validation of MAP 3D environmental data in NE region of Romania-Iasi area</i> , 4th International Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2010;	0.250
V.22. M. Cazacu , I. Vetres, P. Ristori, P. Mark, O. Tudose, D. Nicolae, D. Dorohoi, I. Balin – <i>mESYLIDAR – a new up-gradable and versatile LIDAR configuration for 3D monitoring of atmospheric aerosols, clouds and water vapor within ROLINET project</i> , 3rd International Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2009, 30 Septembrie – 2 Octombrie 2009;	0.125
V.23. Adrian Covăsniianu, Mihai Cazacu , Alexis Merlaud, Joelle Bechara, Victor-Daniel Cărbunaru, Daniel-Eduard Constantin, <i>Tropospheric exploration above Moldavia province: trace gas measurements ATR-42 flight AS0729 on the 16th of july 2007</i> , The IISD edition of the International Symposium - Present Environment end Sustainable Development, 2008;	0.143
V.24. A. Covasniianu, M.M. Cazacu , I. Balin, <i>Advanced DTM generation using airborne</i>	0.333

	<i>LIDAR technique</i> , Geographia Tehnica, vol. 8(2), 2008	
	V.25. M.M. Cazacu , V. Nica, H. Morawiec, <i>Structure formation and its effect on properties of shape memory materials</i> , Physics of Advanced Materials Winter School 2008	0.333
	V.26. A. Covasnianu, M. Cazacu , N. Libralesso, L. Galisson, M. Memier, I. Balin – <i>Digital Terrain Model by airborne LIDAR technique: an essential tool for hydrologic risks assessment</i> , 1st International Workshop on Optoelectronic Techniques for Environmental Monitoring and Risk Assessment, Bucharest, Romania, 21– 24 May 2007;	0.167
	V.27. Mihai Cazacu , Eduard-Daniel Constantin, Adrian Covasnianu, Ioan Balin – <i>O₃, SO₂ and NO_x urban processes: point monitor measurement & interpretation in Bucharest – spring 2006</i> ; 1st International Summer School – Optoelectronic Techniques for Environmental Monitoring and Risk Assessment 31 iulie – 9 august 2006, Baia Mare, Romania;	0.250
	V.28. Eduard-Daniel Constantin, Adrian Covasnianu, Mihai Cazacu , Ioan Balin - <i>O₃, SO₂ and NO_x urban processes: interpretation in Bucharest – May 2006</i> ; 1st International Summer School – Optoelectronic Techniques for Environmental Monitoring and Risk Assessment 31 iulie – 9 august 2006, Baia Mare, Romania.	0.250
Total punctaj V de la ultima promovare: 7,667		
Total punctaj V: 11,81		
E	Lucrare prezentată la simpozion/ seminar/ expoziție de arhitectură/ artă	
	E.1. N. Cimpoeșu, M.M. Cazacu , A.M. Roman, C. Panaghie, R. Cimpoeșu, <i>Biodegradable metallic materials for medical applications</i> , 2nd International Nanoscale Analytics Workshop", 18 – 21 Mai 2022, Munich, Germany	0.250
	E.2. M.M. Cazacu , N. Cimpoeșu, A. Cernescu, L. Mihailă, A.I. Roșu, A. Timofte, <i>Air-filtered pollution nanoparticles analyzed by nanospectroscopy and analytical microscopy</i> , 2nd International Nanoscale Analytics Workshop", 18 – 21 Mai 2022, Munich, Germany	0.167
	E.3. M. Luțcanu, C. Munteanu, G. Kicsi, A.-M. Roman, C. Croitoru, B.A. Prisecariu, M.M. Cazacu , I. Știrbu, D.L. Chicet, N. Cimpoeșu, <i>Analysis of water jet cutting of metal-ceramic elements made through atmospheric plasma spraying technique</i> , 12 th International Conference on Materials Science and Engineering – BraMat 2022, Brașov - Romania March 9 - 12, 2022	0.100
	E.4. I. A. Rosu, M. M. Cazacu , A. Timofte, M. Agop, <i>Exploring the application boundaries of stochastic theories regarding turbulent atmospheric ceilometer data</i> , European Lidar Conference 2021, Granada, Spain,	0.250
	E.5. I.A. Roșu, M. Agop, F. Unga, L. Mihailă, N. Cimpoesu, M.M. Cazacu , <i>Employing atmospheric sensors and turbulent energy cascade theory to quantify hazardous airborne transmissibility</i> , European Aerosol Conference – 2021, Bristol, United Kingdom	0.167
	E.6. A. Cernescu, N. Cimpoesu, A.I. Rosu, L. Mihailă, F. Unga, D.P. Burduhos Nergis, M.M. Cazacu , <i>Nanoscale IR-imaging and spectroscopic characterization of air-filtered pollution nanoparticles using s-SNOM</i> , virtual workshop organized by "Cyprus Institute", Cyprus and "Finnish Meteorological Institute" (ACTRIS Head Office), Finland, 2021,	0.143
	E.7. A.M. Roman, R. Chelariu, R. Cimpoeșu, I. Știrbu, I. Ioniță, M.M. Cazacu , B.A. Prisecariu, C. Paraschiv, <i>Analyze of the Corrosion Rate of Fe-Mn-Si Biodegradable Materials</i> , International Conference on Innovative Research - EUROINVENT ICIR 2021, Iasi, Romania, 2021	0.125
	E.8. C. Panaghie, R. Cimpoeșu, M. Benchea, A.M. Roman, V. Manole, A. Alexandru, N. Cimpoeșu, M.M. Cazacu , <i>Preliminary Results of in Vitro Tests on New Biodegradable Metallic Material Based on ZnMgY</i> , International Conference on Innovative Research - EUROINVENT ICIR 2021, Iasi, Romania, 2021	0.125
	E.9. M. Luțcanu, M. Coteață, D.L. Chicet, C.D. Nechifor, M.M. Cazacu , P. Paraschiv, B. Istrate, N. Cimpoeșu, <i>Obtaining and Analyze of ZrO₂-Al₂O₃ Ceramic Layers on Metallic Substrate</i> , International Conference on Innovative Research - EUROINVENT ICIR 2021, Iasi, Romania, 2021	0.125
	E.10. I. Radinschi, Th. Grammenos, P. K. Sahoo, S. Chattopadhyay, M. M. Cazacu , <i>Einstein and Møller energies of a particular asymptotically Reissner--Nordström non-singular black hole solution</i> , IWARA 2020, 9th International Workshop on Astronomy and Relativistic Astrophysics, 6-12 September 2020, online	0.200
	E.11. Irina Radinschi, Theophanes Grammenos, Farook Rahaman, Marius-Mihai	0.167

Cazacu , Andromahi Spanou, Joydeep Chakraborty, <i>On the energy of a non-singular black hole solution satisfying the weak energy condition</i> , RUSGRAV 2020, 7th Russian Gravitational Conference ---International Conference on Gravitation, Cosmology and Astrophysics (RUSGRAV-17), June 28-July 4, (2020), Saint Petersburg, Russia, participate online	
E.12. Iulian Alin Roșu, Marius Mihai Cazacu , Maricel Agop, <i>Application of a Multifractal Phenomenological Model of Atmospheric Turbulence to Elastic Lidar Data</i> , CSDCU-MIF2020 (Conferința națională a doctoranzilor din Consorțiul Universitară pentru domeniile Matematică, Informatică, Fizică), 2020	0.333
E.13. Marius Mihai Cazacu , Alin Roșu, Lucian Sfîcă, Pavel Ichim; <i>Air quality monitoring and evidence of PM2.5& PM1 contribution to PM10 during a measurement campaign from Podul de Piatra Iasi city</i> , February 2018, Ediția a XIV-a Simpozionul Internațional Present Environment & Sustainable Development 7-9 iunie, 2019	0.250
E.14. M.M. Cazacu , N. Cimpoeșu, S. E. Băcăiță, M. Zaharia, <i>Characterization of mixing state of tropospheric aerosols by using scanning electron microscopy (SEM) and energy dispersive spectroscopy (EDS)</i> , Conference of the Romanian Electron Microscopy Society – CREMS 2019, October 23 – 25, 2019, Poiana Brașov, România;	0.250
E.15. Doina Nicolae, Livio Belegante, Anca Nemuc, Nicolae Ajtai, Horatiu Stefanie, Silviu Gurlui, Marius-Mihai Cazacu , Andreea Calcan, Mirela Voiculescu, Daniel Eduard Constantin; <i>ACTRIS, A European research infrastructure to understand atmospheric composition and its link to climate variability</i> ; 12th International Conference Environmental Legislation, Safety Engineering and Disaster Management - ELSEDIMA 201, 17-19 May 2018, Cluj-Napoca	0.100
E.16. Lidia-Marta Amarandi, Florin Unga, Ioana-Elisabeta Popovici, Philippe Goloub, Marie Choël, Marius-Mihai Cazacu , Silviu Gurlui, <i>Mapping Indoor Air Pollution during Subway Transport in Lille, Northern France</i> , 12th International Conference Environmental Legislation, Safety Engineering and Disaster Management - ELSEDIMA 201, 17-19 May 2018, Cluj-Napoca	0.143
E.17. Rosu Alin, Marius-Mihai Cazacu , Silviu Gurlui, <i>A New Telemetric Approach to Retrieve Various Atmospheric Parameters Using Advanced Lidar Techniques</i> ; 12th International Conference Environmental Legislation, Safety Engineering and Disaster Management - ELSEDIMA 201, 17-19 May 2018, Cluj-Napoca	0.333
E.18. Otilia Sanda Prelipceanu, Marius Mihai Cazacu , Adrian Timofte, Gina Tiron, Liviu Leontie, Silviu Gurlui, <i>Mineral Dust Impact on the Amount of Rainfall, in the North-Eastern Part of Romania</i> ; 12th International Conference Environmental Legislation, Safety Engineering and Disaster Management - ELSEDIMA 201, 17-19 May 2018, Cluj-Napoca	0.167
E.19. Oana Rusu, Vasile Pelin, Marius Mihai Cazacu , Bobi Apăvăloaei, Tony Cristian Dumitriu, Ion Sandu, Silviu Gurlui, <i>The Perfect Pollution: an Overview of the Concept and Approaches to Evaluating of Irreversible Urban Development. A Case Study</i> ; 12th International Conference Environmental Legislation, Safety Engineering and Disaster Management - ELSEDIMA 201, 17-19 May 2018, Cluj-Napoca	0.143
E.20. Oana Rusu, Florin Unga, Ioana Popovici, Vicu Grasu, Adrian Timofte, Ovidiu Gelu Tudose, Marius Mihai Cazacu , <i>Evaluation of Air Quality from Measurement Campaign Organised in the Crossing of Podul De Piatra – Iasi City, During February 2018</i> ; 12th International Conference Environmental Legislation, Safety Engineering and Disaster Management - ELSEDIMA 201, 17-19 May 2018, Cluj-Napoca	0.143
E.21. Alexandru Cocean, Oana Rusu, Alin Rosu, Georgiana Bulai, Adrian Timofte, Iuliana Cocean, Marius-Mihai Cazacu , Silviu-Octavian Gurlui, <i>Space-and-time characterization of trace pollutants over Iasi city. Laser induced RAMAN & breakdown spectroscopy techniques</i> ; 12th International Conference Environmental Legislation, Safety Engineering and Disaster Management - ELSEDIMA 201, 17-19 May 2018, Cluj-Napoca	0.125
E.22. Alin Iulian Rosu, Marius Mihai Cazacu and Silviu Gurlui; <i>A new telemetric approach to retrieve various atmospheric parameters using advanced LIDAR techniques with applications in astronomy</i> , European Lidar Conference, 3-5 July 2018, Aristotle University Dissemination Center, Thessaloniki, GREECE	0.333
E.23. Livius Buzdugan, Marius Mihai Cazacu and Sabina Stefan; <i>Assessment of Doppler Lidar and Sodar wind measurements at Otopeni Airport</i> , European Lidar Conference, 3-5 July 2018, Aristotle University Dissemination Center, Thessaloniki, GREECE	0.333
E.24. Alin Roșu, Marius Mihai Cazacu , Gina Tiron, Maricel Agop, <i>Abordare</i>	0.250

multifractală a instabilității tip Rayleigh-Bernard, în fluidele complexe; Sesiunea Științifică Anuală, Administrația Națională de Meteorologie, București, 14-16 noiembrie 2018	
E.25. Marius Mihai Cazacu , Gina Tiron, Alin Roșu, <i>Studiu de caz privind evaluarea calității aerului din Podul de Piatră - orașul Iași, februarie 2018</i> ; Sesiunea Științifică Anuală, Administrația Națională de Meteorologie, București, 14-16 noiembrie 2018	0.333
E.26. Alin Roșu, Gina Tiron, Marius Mihai Cazacu , <i>O nouă abordare telemetrică pentru obținerea parametrilor atmosferici utilizând tehnici avansate de procesare a datelor LIDAR</i> , Sesiunea Științifică Anuală, Administrația Națională de Meteorologie, București, 14-16 noiembrie 2018	0.333
E.27. Alin Roșu, Marius Mihai Cazacu , Gina Tiron, Silvia Ferrarese, <i>Evaluarea acurateței output-ului WRF peste regiunea Iași cu date LIDAR, fotometru solar și date meteorologice de la sol</i> , Sesiunea Științifică Anuală, Administrația Națională de Meteorologie, București, 14-16 noiembrie 2018	0.250
E.28. Covătaru, G., Cazacu, M. M., Radinschi, I., Ciocan, V., Fratiman, V., & Turcanu, F. E. (2017). <i>Statistical survey of the outcome of effective use of computer simulations in students learning</i> . EDULEARN17: 9th International Conference on Education and New Learning Technologies, 3 - 5 July, 2017, Spain	0.167
E.29. M.M. Cazacu , G. Bulai, A. Timofte, A. Rosu, O. Rusu, F. Husanu, L. Leontie, S. Gurlui, <i>Space-and time-resolved aerosols emission spectroscopy: advanced LIDAR techniques for environmental approach</i> , Advances On Photocatalysis, AdvPhotoCat-E 2017, The 2nd International Workshop, Technological Educational Institute (TEI) of Crete, Heraklion, Greece, July 14 and 16, 2017;	0.125
E.30. Georgiana Bulai, Stefan Irimiciuc, Francisca Husanu, Oana Rusu, Mihai Cazacu , Silviu Gurlui, <i>Characterization of cobalt ferrite laser induced plasma by optical emission spectroscopy</i> , International Conference on Laser Spectroscopy (ICOLS 2017), Palais des Congres, Arcachon, France, July 2 - 8, 2017;	0.167
E.31. Georgiana Bulai, Mihai Cazacu , Silviu Gurlui, <i>Spectrally resolved LIDAR detection of atmospheric and pollutant compounds</i> , International Conference on Laser Spectroscopy (ICOLS 2017), Palais des Congres, Arcachon, France, July 2 - 8, 2017;	0.333
E.32. Marius Mihai Cazacu , Ovidiu Tudose, Dragos Balanici and Ioan Balin, <i>Research and development of commercial lidar systems in Romania: critical review of the ESYRO lidar systems developed by SC Enviroscopy SRL (ESYRO)</i> , 28th International Laser Radar Conference, Bucharest, Romania, June 25-30, 2017;	0.250
E.33. Gurlui Silviu, Cazacu Marius Mihai , Timofte Adrian, Rusu Oana, Bulai Georgiana, Dan Dimitriu, <i>Space- and time-resolved Raman and breakdown spectroscopy: Advanced lidar techniques</i> , 28th International Laser Radar Conference, Bucharest, Romania, June 25-30, 2017;	0.167
E.34. S. Gurlui, M.M. Cazacu , G. Bulai, A. Timofte, A. Rosu, E.R. Rotaru, B. Albina, O. Rusu, O.G. Tudose, F. Fusanu, L. Leontie, <i>Map of the pollutants in Iasi City: atmospheric and terrestrial measurements</i> , International Symposium "Present Environment and Sustainable Development", 12th edition, Iasi, Romania, 2-4 iunie, 2017;	0.091
E.35. V. Pelin, O. Rusu, I. Sandu, V. Vasilache, S. Gurlui, A.V. Sandu, M.M. Cazacu , I.G. Sandu, <i>Approaching on Colorimetric Change of Porous Calcareous Rocks Exposed in Urban Environmental Conditions from Iasi - Romania</i> , EUROINVENT - ICIR 2017, International Conference on Innovative Research, Iasi - Romania, May 25th to 26th 2017	0.125
E.36. Alin Rosu, Marius-Mihai Cazacu , Silviu Gurlui, Adrian Timofte, <i>A New Approach to Retrieve Various Atmospheric Parameters Using Advanced LIDAR Techniques</i> , Conferința Națională Fizica și Tehnologiile Educaționale Moderne XLVI, FTEM 2017, Iași, Romania, 20 Mai 2017;	0.250
E.37. Otilia Sanda Prelipceanu, Vasile Pelin, Marius Mihai Cazacu , Gina Tiron, Liviu Leontie, Silviu Octavian Gurlui, Ion Sandu, <i>Alterarea suprafețelor litice urbane sub influența compușilor chimici atmosferici, în regiunea aglomerației urbane Iași</i> , Conferința Națională Fizica și Tehnologiile Educaționale Moderne XLVI, FTEM 2017, Iași, Romania, 20 Mai 2017	0.143
E.38. Bogdan Albina, Marius Mihai Cazacu , Alin Rosu, Silviu-Octavian Gurlui, <i>New software prototype for AERONET data processing</i> , Conferința Națională Fizica și Tehnologiile Educaționale Moderne XLVI, FTEM 2017, Iași, Romania, 20 Mai 2017;	0.250
E.39. B. Albina, M. M. Cazacu , S. O. Gurlui, <i>General overview of the aerosol studies in Iasi area</i> , The 6th National Conference of Applied Physics, CNFA 2016, Iasi, Romania,	0.333

November 26 - 27, 2016;	
E.40. V. Pelin, M. Munteanu, V. Vasilache, I. Sandu, O. Rusu, S. Gurlui, M. M. Cazacu , M. Brânzică, I. G. Sandu, <i>Hydrophobization and consolidation treatments perspectives in restoring indigenous calcareous lithic materials</i> , The 6th National Conference of Applied Physics, CNFA 2016, Iasi, Romania, November 26 - 27, 2016;	0.111
E.41. O. Rusu, F. Cojocaru, A. Timofte, M.M. Cazacu , S. Gurlui, <i>Environmental factors in Ciric leisure area and stone bridge of the Iasi city</i> , The 6th National Conference of Applied Physics, CNFA 2016, Iasi, Romania, , November 26 - 27, 2016;	0.200
E.42. B. Albina, M.M. Cazacu , A. Rosu, S. Gurlui, <i>Evolution of atmospheric aerosol loading over Iasi area in 2015</i> , The 6th National Conference of Applied Physics, CNFA 2016, Iasi, Romania, , November 26 - 27, 2016;	0.250
E.43. V. Pelin, A. Cocean, M. M. Cazacu , V. Vasilache, I. Sandu, I. G. Breabăn, S. Gurlui, M. Brânzică, I. G. Sandu, <i>Indigenous calcareous lithic materials used in some historical monuments from Iasi area</i> , The 6th National Conference of Applied Physics, CNFA 2016, Iasi, Romania, , November 26 - 27, 2016;	0.111
E.44. M. M. Cazacu , G. Covatariu, I. Radinschi, <i>Statistical study of impact of the use of computer simulations on the improvement of students' marks</i> , The 6th National Conference of Applied Physics, CNFA 2016, Iasi, Romania, , November 26 - 27, 2016;	0.333
E.45. Marius-Mihai Cazacu , Gabriela Covatariu, Irina Radinschi, Vladut Fratiman, <i>Efficiency of the use of computer simulations of physics phenomena in the learning process</i> , International Conference – Towards a Sustainable Urban Environment (EBUILT-2016), Iasi, Romania, November 16th – November 19th, 2016;	0.250
E.46. O. Rusu, A. Cocean, V. Pelin, A. Timofte, M. Cazacu , S. Gurlui, <i>Hotspots air quality and meteorological parameters behavior over the Iasi City</i> , The 5th international colloquium "physics of materials" (PM 5), Bucharest, Romania, 10-11 November 2016;	0.200
E.47. B. Albina, O. Rusu, G. Tiron, S. Gurlui, M. Cazacu , <i>AERONET parameters behavior over of Moldova area</i> , The 5th international colloquium "physics of materials" (PM 5), Bucharest, Romania, 10-11 November 2016;	0.200
E.49. A. Cernescu, O. G. Tudose, M. M. Cazacu , <i>Introducing nano-FTIR: imaging and spectroscopy at 10nm spatial resolution</i> , ICPAM-11, 11th International Conference on Physics of Advanced Materials, Cluj-Napoca, Romania, September 8-14, 2016;	0.167
E.50. A. Cocean, V. Pelin, M.M. Cazacu , S. Gurlui, F. Iacomi, <i>Thermal doping effect on the limestone under laser irradiation</i> , ICPAM-11, 11th International Conference on Physics of Advanced Materials, Cluj-Napoca, Romania, September 8-14, 2016;	0.333
E.51. B. Albina, O. Rusu, G. Tiron, S. Gurlui, M. Cazacu , <i>New trends in AERONET parameters variations at Iasi area. Preliminary results</i> , ELSEDDIMA 11th International Conference, 26 - 28 may 2016, Cluj-Napoca, 26 - 28 may 2016;	0.200
E.52. A. Bănică, D. E. Bobric, M. Cazacu , A. Timofte, G. Bulai, S. Gurlui, I.G. Breabăn, <i>Integrated assessment of exposure to traffic-related air pollution in Iasi city (Romania)</i> , ELSEDDIMA 11th International Conference, Cluj-Napoca, 26 - 28 may 2016;	0.200
E.53. G. Bulai, A. Timofte, M. Cazacu , S. Gurlui, <i>Laser induced raman & breakdown spectroscopy techniques. Fundamentals and applications</i> , ELSEDDIMA 11th International Conference, Cluj-Napoca, 26 - 28 may 2016;	0.143
E.54. M.M. Cazacu , O. Tudose, G. Tudorache, S. Urjan, O. Datculescu, O. Rusu, A. Timofte, G. Bulai, S. Gurlui, <i>Study of car exhaust particles from urban areas: A size distribution case study</i> , ELSEDDIMA 11th International Conference, Cluj-Napoca, 26 - 28 may 2016;	0.250
E.55. A. Cocean, B. C. Hodoroaba, F. Husanu, A. Banica, I. G. Breaban, M. Cazacu , G. Bulai, S. Gurlui, <i>Study of atmospheric pollutions and meteorological factors on the main risks and vulnerabilities of urban architecture and population in Iasi city</i> , ELSEDDIMA 11th International Conference, Cluj-Napoca, 26 - 28 may 2016;	0.111
E.56. M. Iftime, O. Rusu, L. Leontie, A. Banica, I.G. Breaban, M. Cazacu , A. Timofte, S. Gurlui, <i>Influence of traffic and meteorological factors on the physical and chemical properties of urban pollutants in Iasi City</i> , ELSEDDIMA 11th International Conference, Cluj-Napoca, 26 - 28 may 2016;	0.125
E.57. V. Pelin, I. Sandu, M. Brânzică, I.G. Breaban, O. Rusu, G. Tiron, G. Bulai, N. Cimpoesu, S. Gurlui, M. Cazacu , <i>Study of the polluting factors influencing the old road bridge in Iasi county</i> , ELSEDDIMA 11th International Conference, Cluj-Napoca, 26 - 28 may 2016;	0.125
E.58. O. Rusu, A. Timofte, M. Cazacu , G. Bulai, S. Gurlui, <i>Preliminary meteorological and air quality studies upon the natural climatic Ciric, Iasi area</i> . ELSEDDIMA 11th	0.100

International Conference, Cluj-Napoca, 26 - 28 may 2016;	
E.59. B. Albina, M.M. Cazacu , O. Rusu, G. Bulai, S. Gurlui, K. Stebel, <i>Preliminary investigation of Turceni power plant SO2 emissions by imaging techniques</i> , Environment & Progress, Simpozion național cu participare internațională, Cluj-Napoca, Romania, 30 Octombrie 2015;	0.200
E.60. M. M. Cazacu , A. Timofte, O. Rusu, G. Bulai, S. Gurlui, <i>Study of the physico-chemical properties of the atmosphere dynamics: long distance remote laser induced raman & breakdown spectroscopy</i> , Environment & Progress, Simpozion național cu participare internațională, Cluj-Napoca, Romania, 30 Octombrie 2015;	0.167
E.61. M. Iftime, M.M. Cazacu , S. Gurlui, L. Blarel, P. Goloub, <i>Optical analysis of atmospheric aerosols using a handheld sunphotometer. a case study of calitoo system</i> , Environment & Progress, Simpozion național cu participare internațională, Cluj-Napoca, Romania, 30 Octombrie 2015;	0.200
E.62. M. M. Cazacu , A. Timofte, O. Rusu, B. Albina, G. Bulai, L. Leontie, and S. Gurlui, <i>Advanced optical remote sensors for airborne and spaceborne platforms</i> , The 4th International Conference on the Physics of Optical Materials and Devices, Budva, Montenegro, 31 August - 4 Septembrie 2015;	0.200
E.63. O. Rusu, A. Timofte, M. M. Cazacu , B. Albina, G. Tiron, L. Leontie, S. O. Gurlui, <i>A case study of the transport processes of tropospheric aerosols over the Ciric-lasi leisure area</i> , Workshop on Condensed matter research by means of neutron scattering methods, Constanța, România, 4 – 7 Iulie, 2015;	0.143
E.64. H.I. Ștefănie, M.M. Cazacu, A. Timofte, F. Benciu, A. Dandocsi, S. Solomos, A. Ozunu, <i>Assessing the presence of biomass burning aerosols above Romania during the fires around Chernobyl – Ukraine in May 2015 using remote sensing techniques</i> , Bucharest University Faculty of Physics 2015 Meeting, București, 19 Iunie 2015;	0.143
E.65. A. Timofte, M.M. Cazacu , L. Belegante, H. Ștefănie, C. Radu, B. Albina, S. Gurlui, <i>Laser and Optical Remote-sensing of atmospheric LAYers (LORELAY) campaign, during autumn season</i> , Bucharest University Faculty of Physics 2015 Meeting, București, România, 19 Iunie 2015;	0.143
E.66. M.M. Cazacu , O. Tudose, A. Boscornea, L. Buzdugan, A. Timofte, D. Nicolae, <i>Vertical and temporal variation of aerosol mass concentration at Magurele, Romania during EMEP/PEGASOS campaign</i> , Bucharest University Faculty of Physics 2015 Meeting, București, România, 19 Iunie 2015;	0.143
E.67. B. Albina, O. Rusu, A. Timofte, M. M. Cazacu , L. Leontie, G. Tiron, S. O. Gurlui, <i>Monitoring the environmental factors in Ciric Leisure Area to identify pollutant intrusions</i> , International Symposium: Present Environment and Sustainable Development – 10th edition, Iași, România, 5 – 7 Iunie, 2015;	0.167
E.68. I. Radinschi, G. Covatariu, M.M. Cazacu , <i>Maple Program for Studying Physics Phenomena with Applications in Civil Engineering</i> , The 13th International Symposium "Computational Civil Engineering 2015", Facultatea de Constructii si Instalatii, Universitatea Tehnica Gheorghe Asachi din Iasi, Iasi, Romania - May 22th, 2015;	0.143
E.69. O. Rusu, L. Leontie, B. Albina, A.I. Popescu, A. Teodor, A. Timofte, G. Tiron, M.M. Cazacu , S. Gurlui, <i>Monitorizarea factorilor de mediu in zona de agrement Ciric in vederea identificarii intruziunilor de poluanti</i> , The 44th National Conference on Physics and Modern Education Technologies - FTEM 2015, Iași, România, 15-16 Mai 2015;	0.333
E.70. M. Iftime, M.M. Cazacu , B. Albina, S.I. Stratulat, S. Gurlui, <i>Exposomul: un nou concept privind studiile impactului calității mediului atmosferic asupra sănătății</i> , The 44th National Conference on Physics and Modern Education Technologies - FTEM 2015, Iași, România, 15-16 Mai 2015;	0.111
E.71. B. Albina, M.M. Cazacu , A. Timofte, S. Gurlui, <i>Preliminary Analysis of the First Measurements at the New AERONET's Iasi Site</i> , The 44th National Conference on Physics and Modern Education Technologies - FTEM 2015, Iași, România, , 15-16 Mai 2015;	0.200
E.72. B. Albina, M.M. Cazacu , A. Timofte, S. Gurlui, <i>Aeronet optical parameters under the influence of aircraft particle emissions</i> , TIM14 Physics Conference – Physics without frontiers, Timisoara, 20 – 22 nov. 2014;	0.250
E.73. B. Albina, M.M. Cazacu , A. Timofte, S. Gurlui, <i>Thermography techniques correlated with lidar data for pbl identification and height variation study</i> , TIM14 Physics Conference – Physics without frontiers, Timisoara, 20 – 22 nov. 2014;	0.250
E.74. O. Rusu, A. Timofte, M. M. Cazacu , S. Gurlui, F. Brinza, L. Leontie, <i>A case study of meteorological parameters near water accumulations with complementary regional data</i> , TIM14 Physics Conference – Physics without frontiers, Timisoara, 20 – 22 nov.	0.250

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E.75. A. Timofte, M.M. Cazacu , B. Albina, L. Belegante, C. Radu, L. Hrostea, M. Iftime, L. Leontie, S. Gurlui, <i>PBL remote sensing measurements in comparison with alaro model during LORELAY Campaign 2014</i> , TIM14 Physics Conference – Physics without frontiers, Timisoara, 20 – 22 nov. 2014;	0.200
E.76. G. Bulai, M. Cazacu , S. Gurlui, C. Focsa, <i>Optical and spectral investigations of CoFe₂O₄ and CoFe_{1.8}RE_{0.2}O₄ (RE=Dy, Gd) plasma plume generated by laser ablation</i> , TIM14 Physics Conference – Physics without frontiers, Timisoara, 20 – 22 nov. 2014;	0.111
E.77. Adrian Timofte, Marius Mihai Cazacu , Silviu Octavian Gurlui, Doina Nicolae, Livio Belegante, Camelia Talianu, <i>Utilizarea sistemelor LIDAR în România, pentru investigarea intruziunilor de cenușă vulcanică</i> , "Sesiunea Anuală de Comunicări Științifice 2014", Administrația Națională de Meteorologie, Bucuresti, 6 - 7 noiembrie 2014;	0.250
E.78. Adrian Timofte, Marius Mihai Cazacu , Livio Belegante, Diana-Corina Bostan, <i>Analiza înălțimii Stratului Limită Planetar prognozat de modelul de arie limitată ALARO, prin intermediul datelor LIDAR</i> , "Sesiunea Anuală de Comunicări Științifice 2014", Administrația Națională de Meteorologie, Bucuresti, 6 - 7 noiembrie 2014;	0.167
E.79. L. Hrostea, M. Iftime, B. Albina, M.M. Cazacu , L. Leontie, G. Dacalu, S. Gurlui, M. Girtan, <i>Study of the novel solar cells properties based on polymer thin films</i> , Sesiunea de comunicari stiintifice – FARPHYS 2014, Iasi, Romania, 25 octombrie 2014;	0.250
E.80. B. Albina, M. Cazacu , A.Timofte, S. Gurlui, <i>Study of atmospheric optical parametees using statistical AERONET data analysis</i> , Sesiunea de comunicari stiintifice – FARPHYS 2014, Iasi, Romania, 25 octombrie 2014	0.125
E.81. Adrian Timofte, Marius-Mihai Cazacu , Bogdan Albina, Georgiana Dascalu, Dan-Gheorghe Dimitriu, Silviu-Octavian Gurlui, <i>Planetary Boundary Layer Dynamics: optical emission and space-time resolved spectroscopy</i> , European Meteorological Society Annual Meeting & 10th European Conference on Applied Climatology (ECAC), Prague, Czech Republic, 06 – 10 October 2014;	0.250
E.82. Marius Mihai Cazacu , Adrian Timofte, Dan Dimitriu, Georgiana Bulai, Silviu Gurlui, <i>Aerosol remote sensing: fast laser optical emission spectroscopy</i> , Environmental Legislation, Safety Engineering and Disaster Management, Cluj-Napoca, Romania, 18 – 19 September 2014;	0.167
E.83. Marius Mihai Cazacu , Adrian Timofte, Florin Unga, Bogdan Albina, Laura Hrostea, Madalina Iftime, Georgiana Bulai, Silviu Octavian Gurlui, <i>Aircraft particle emissions and its influences over optical parameters from AERONET</i> , Environmental Legislation, Safety Engineering and Disaster Management, Cluj-Napoca, Romania, 18 – 19 September 2014;	0.200
E.84. Doina Nicolae, Livio Belegante, Marius Mihai Cazacu , Adrian Timofte, Silviu Gurlui, Nicolae Ajtai, Horatiu Stefanie, Alexandru Ozunu, Ion Vetres, Ioana Ionel, Dorinel Visoiu, <i>Romanian participation to volcanic ash exercise VOLCEX 2014</i> , Environmental Legislation, Safety Engineering and Disaster Management, Cluj-Napoca, Romania, 18 – 19 September 2014;	0.125
E.85. Adrian Timofte, Marius-Mihai Cazacu , Florin Unga, Diana-Corina Bostan, Gina Tiron, Bogdan Albina, Silviu Octavian Gurlui, <i>Study of regional AERONET data for improving precipitation forecasting</i> , Environmental Legislation, Environmental Legislation, Safety Engineering and Disaster Management, Cluj-Napoca, Romania, 18 – 19 September 2014;	0.091
E.86. Adrian Timofte, Marius Mihai Cazacu , Livio Belegante, Diana-Corina Bostan, Bogdan Albina, Liviu Leontie, Silviu Octavian Gurlui, <i>Analysis and validation of Planetary Boundary Layer height forecasted by ALARO, by means of LIDAR data</i> , Safety, Environmental Legislation, Safety Engineering and Disaster Management, Cluj-Napoca, Romania, 18 – 19 September 2014;	0.143
E.87. Bogdan Albina, Marius Mihai Cazacu , Adrian Timofte, Georgiana Dascalu, Jean Hilaire Tchami, Dan Gheorghe Dimitriu, Silviu Octavian Gurlui, <i>Transport of saharan dust mixed with urban industrial pollutants. Preliminary results</i> , A XLIII-a Conferință Națională Fizica și Tehnologiile Educaționale Moderne, Iași, Romania, 16-17 Mai 2014;	0.143
E.88. Gheorghita Palade, Marius Mihai Cazacu , Adrian Timofte, Dan Gheorghe Dimitriu, Silviu Octavian Gurlui, <i>Characterization of ground military radars</i> , A XLIII-a Conferință Națională Fizica și Tehnologiile Educaționale Moderne, Iași, Romania, 16-	0.143

17 Mai 2014;	
E.89. Laura Hrostea, Madalina Iftime, Bogdan Albina, Jean Hilaire Tchami, Marius Mihai Cazacu , Georgiana Dascalu, Dan Gheorghe Dimitriu, Liviu Leontie, Silviu Gurlui, <i>Studies of troposphere micro-sized particles health relevance</i> , A XLIII-a Conferință Națională Fizica și Tehnologiile Educaționale Moderne, Iași, Romania, 16-17 Mai 2014;	0.200
E.90. Madalina Iftime, Laura Hrostea, Bogdan Albina, Marius Mihai Cazacu , Adrian Timofte, Jean Hilaire Tchami, Georgiana Dascalu, Dan Gheorghe Dimitriu, Silviu Octavian Gurlui, <i>Physical and chemical characteristics of Saharan dust events. Biological effects</i> , A XLIII-a Conferință Națională Fizica și Tehnologiile Educaționale Moderne, Iași, Romania, 16-17 Mai 2014;	0.111
E.91. Nicusor Marius Olaru, Sabina Teodoroff-Onesim, Marius Mihai Cazacu , Georgiana Dascalu, Adrian Timofte, Dan Gheorghe Dimitriu, Silviu Octavian Gurlui, <i>Optical and electrical techniques for aerosol investigation environment sensors obtained by PLD</i> , A XLIII-a Conferință Națională Fizica și Tehnologiile Educaționale Moderne, Iași, Romania, 16-17 Mai 2014;	0.111
E.92. Sabina Teodoroff-Onesim, Laura Hrostea, Marius Mihai Cazacu , Georgiana Dascalu, Adrian Timofte, Dan Gheorghe Dimitriu, Liviu Leontie, Silviu Octavian Gurlui, <i>Development and characterization of solar cells based on semiconductor ferromagnetic materials</i> , A XLIII-a Conferință Națională Fizica și Tehnologiile Educaționale Moderne, Iași, Romania, 16-17 Mai 2014;	0.143
E.93. Alexandru Cocean, Stefan Irimiciuc, Jean Hilaire Tchami, Georgiana Dascalu, Marius Cazacu , Adrian Timofte, Dan Dimitriu, Silviu Gurlui, <i>Laser ablation in non-homogenous environments. Technological applications</i> , A XLIII-a Conferință Națională Fizica și Tehnologiile Educaționale Moderne, Iași, Romania, 16-17 Mai 2014;	0.125
E.94. Diana-Corina Bostan, Adrian Timofte, Sorin Bostan, Mihai-Marius Cazacu , <i>Studiu mezoscalar al viscolului din ianuarie 2013 din Moldova</i> , Conferinta Nationala: "Atmosfera si hidrosfera. Cunoastere interdisciplinara, manifestare, evolutie, valorificare, protective, importanta", Suceava, Romania, 28 – 29 Martie 2014;	0.125
E.95. Mihai-Marius Cazacu , Bogdan Albina, Adrian Timofte, Diana-Corina Bostan, Silviu-Octavian Gurlui, <i>Analiza proprietatilor optice ale aerosolilor atmosferici derivate din rețeaua AERONET-NASA. Studiu de caz asupra punctului de monitorizare Iasi LOA-SL</i> , Conferinta Nationala: "Atmosfera si hidrosfera. Cunoastere interdisciplinara, manifestare, evolutie, valorificare, protective, importanta", Suceava, Romania, 28 – 29 Martie 2014;	0.250
E.96. Alexandros Papayannis, Doina Nicolae, M. M. Cazacu , I. Vetres, I. Binietoglou, L. Ilic, <i>Saharan dust outbreak over the Balkans as observed by synergy of active and passive sensors: A case study of long-range transport of aerosols in September</i> , ACTRIS, WP2 – NA2: Remote sensing of the vertical aerosol distribution, WP20 – JRA1: Lidar and sunphotometer, 3rd Joint Workshop, Cyprus University of Technology, Department of Civil Engineering and Geomatics, 26 – 29 November, 2013;	0.200
E.97. Bogdan Albina, Dan Gheorghe Dimitriu, Silviu Octavian Gurlui, Marius Mihai Cazacu , <i>A new computational approach in atmospheric temperature retrieval from Infrared imagery measurements</i> , TIM-13 Physics Conference, Timisoara, Romania, 21 – 24 Noiembrie 2013;	0.167
E.98. Bogdan Albina, Marius Mihai Cazacu, Adrian Timofte, Dan Gheorghe Dimitriu, Silviu Octavian Gurlui, <i>Studies of Planetary Boundary Layer by Infrared thermal imagery</i> , TIM-13 Physics Conference, Timisoara, Romania, 21 – 24 Noiembrie 2013;	0.250
E.99. Marius Mihai Cazacu , Mihail Nicolae Danila, Bogdan Albina, Florin Unga, Dan Gheorghe Dimitriu, Silviu Octavian Gurlui, <i>Python processing and analyzing tool of aerosols optical parameters derived from AERONET LOA-SL data</i> , TIM-13 Physics Conference, Timisoara, Romania, 21 – 24 Noiembrie 2013;	0.200
E.100. Mihai Marius Cazacu , Adrian Timofte, Florin Unga and Silviu Octavian Gurlui, <i>Iasi aerosol mixtures, one year time-scale overview: AERONET data</i> , International Conference on Optical Characterization of Atmospheric Aerosols, Smolenice, Slovakia, November 5 - 7, 2013;	0.167
E.101. Silviu Octavian Gurlui, Adrian Timofte, Florin Unga and Mihai Marius Cazacu , <i>Fast laser imaging optical emission spectroscopy: aerosols types detection and ranging</i> , International Conference on Optical Characterization of Atmospheric Aerosols, Smolenice, Slovakia, November 5 - 7, 2013;	0.250
E.102. Bogdan Albina, Marius-Mihai Cazacu , Adrian Timofte, Dan-Gheorghe Dimitriu,	0.250

Silviu-Octavian Gurlui, <i>Infrared Thermal Processing Imagery Developed For Complementary Studies of Planetary Boundary Layer</i> . A XLII-a Conferința Națională Fizica și Tehnologiile Educaționale Moderne, Iași, 26 Octombrie 2013;	
E.103. Mihail Nicolae Danila, Marius Mihai Cazacu , Adrian Timofte, Dan Gheorghe Dimitriu, Liviu Leontie, Silviu Gurlui, <i>Preliminary Studies of Tropospheric Aerosols Using Python</i> , A XLII-a Conferința Națională Fizica și Tehnologiile Educaționale Moderne, Iași, 26 Octombrie 2013;	0.200
E.104. Mihail Nicolae Danila, Marius Mihai Cazacu , Adrian Timofte, Dan Gheorghe Dimitriu, Liviu Leontie, Silviu Gurlui, <i>Atmospheric Aerosols - Importance and Modern Study Methods</i> . A XLII-a Conferința Națională Fizica și Tehnologiile Educaționale Moderne, Iași, 26 Octombrie 2013;	0.167
E.105. Marius Mihai Cazacu , Florin Unga, Adrian Timofte, Ioana Popovici, Alin Ionut Pascaru, Dan Dimitriu, Silviu Gurlui, <i>Mixtures of biomass-burning and urban aerosols analysis: A case study</i> . European Aerosol Conference (EAC 2013) Prague, Czech Republic, 1-6 September 2013;	0.167
E.106. Strat Mitachi, Marius Mihai Cazacu , Adrian Timofte, Dan Dimitriu, Silviu Gurlui, <i>Aerosols detection and ranging: Fast laser imaging optical emission spectroscopy (DARLIOES)</i> . European Aerosol Conference (EAC 2013) Prague, Czech Republic, 1-6 September 2013;	0.143
E.107. M.M. Cazacu , F. Unga, A. Mortier, P. Goloub, D. Dimitriu, S. Gurlui, <i>Optical parameters analysis of mixtures of biomass-burning and urban aerosols: a case study</i> , 6th Workshop on Optoelectronic Techniques for Environmental Monitoring, OTEM 2013, Timisoara, Romania, 11 - 12 June 2013;	0.200
E.108. M.M. Cazacu , F. Unga, N. Ajtai, H.I. Stefanie, A. Timofte, D. Dimitriu, S. Gurlui, <i>Monitoring and analyses of Grímsvötn volcanic dust intrusion over northern Romania. LIDAR and AERONET considerations</i> , 6th Workshop on Optoelectronic Techniques for Environmental Monitoring OTEM 2013, Timisoara, Romania, 11 - 12 June 2013;	0.167
E.109. O.G. Tudose, M.M. Cazacu , A. Timofte, D. Nicolae, S. Gurlui, I. Balin, May29, 2013 - <i>A Saharan dust event over Iasi region, Romania. Remote sensing Observations and regional dust modeling</i> , 6th Workshop on Optoelectronic Techniques for Environmental Monitoring, OTEM 2013, Timisoara, Romania, 11 - 12 June 2013;	0.143
E.110. Marius Mihai Cazacu , Florin Unga, Adrian Timofte, Ioana Popovici, Alin Ionut Pascaru, Dan Dimitriu, Silviu Gurlui. <i>A study of some urban and industrial mixtures aerosols over Iasi region</i> , CNFA 2013 The 5-th National Conference of Applied Physics, Iași, ROMANIA, 23-24 May 2013;	0.167
E.111. Strat Mitachi, Marius Mihai Cazacu , Adrian Timofte, Dan Dimitriu, Silviu Gurlui. <i>Aerosols chemical compositions: Detection and Ranging</i> . CNFA 2013 The 5-th National Conference of Applied Physics, Iași, ROMANIA, 23-24 May 2013;	0.143
E.112. Mihail N. Danila, Florin Unga, Marius M. Cazacu and Silviu Gurlui, <i>LOA-S/s software for atmospheric lidar data processing</i> , TIM-12 Physics Conference, Timisoara, Romania, 27 – 30 Noiembrie 2012;	0.200
E.113. Florin Unga, Marius M. Cazacu , Adrian Timofte, Mihail N. Danila and Silviu Gurlui, <i>Preliminary study of transport processes of Saharan dust intrusion over Iasi area</i> , Romania, TIM-12 Physics Conference, Timisoara, Romania, 27 – 30 Noiembrie 2012;	0.250
E.114. Mihail Nicolae Danila, Marius Mihai Cazacu , Silviu Gurlui, <i>Phyton Utility: Laser – atmosphere interaction extended to Network Data Management</i> , 5th Romania Tier-2 Federation, Grid, Cloud & High Performance Computing in Science, Cluj-Napoca, 25 – 27 October, 2012	0.200
E.115. Florin Unga, Marius Mihai Cazacu , Adrian Timofte, Diana Bostan, Dan Dimitriu, Silviu Gurlui, Philippe Goloub, <i>Classification of tropospheric aerosol types during summer, over Iasi area, Romania. LIDAR, AERONET and Meteorological consideration</i> , Environmental Legislation, Safety Engineering and Disaster Management – ELSEDIMA, Cluj-Napoca, Romania, 25-27 October 2012;	0.333
E.116. Andreea Boscornea, Livius Buzdugan, Mihai Cazacu , Ovidiu Tudose, Doina Nicolae - <i>Vertical and temporal variation of aerosol mass concentration at Bucharest during EMEP/PEGASOS CAMPAIGN</i> , Environmental Legislation, Safety Engineering and Disaster Management – ELSEDIMA, Cluj-Napoca, Romania, 25-27 October 2012;	0.143
E.117. Mihail Nicolae Danila, Florin Unga, Marius Mihai Cazacu , Adrian Timofte, Dan Gheorghe Dimitriu, Silviu Gurlui - <i>Eyjafjallajökull vs. Grímsvötn</i> , Environmental Legislation, Safety Engineering and Disaster Management – ELSEDIMA, Cluj-Napoca, Romania, 25-27 October 2012;	0.200

E.118. Oana Niculescu, Mihai Marius Cazacu , Mihail Nicolae Danila, Dan Gheorghe Dimitriu, Silviu Gurlui, Maricel Agop - <i>Magnetosphere double layers and aurora borealis. Acceleration mechanisms and instabilities</i> , Environmental Legislation, Safety Engineering and Disaster Management – ELSEDDIMA, Cluj-Napoca, Romania, 25-27 October 2012;	0.167
E.119. Florin Unga, Nicolae Ajtai, Mihail Nicolae Danila, Dan Dimitriu, Adrian Timofte, Marius Mihai Cazacu , Silviu Gurlui - <i>Grímsvötn volcanic ash intrusion: LIDAR and AERONET photometer observations at Iasi and Cluj Napoca</i> , Environmental Legislation, Safety Engineering and Disaster Management – ELSEDDIMA, Cluj-Napoca, Romania, 25-27 October 2012;	0.167
E.120. Marius Mihai Cazacu , Dan Dimitriu, Nicolae Ajtai, Adrian Timofte, Florin Unga, Mihail Nicolae Dănilă, Silviu Gurlui, <i>Dynamics and Optical Parameters Characterization of Troposphere Aerosols Intrusion over Northern Romania</i> , CNF-2012, National Physics Conference, Constanta, Romania, 8-10 July 2012;	0.143
E.121. Mihai Nicolae Danila, Florin Unga, Marius Mihai Cazacu , Adrian Timofte, Dan Gheorghe Dimitriu and Silviu Gurlui, <i>Python Programming Implementation for LIDAR Signals Analysis</i> , CNF-2012, National Physics Conference, 8-10 July 2012, Constanta, Romania, 8-10 July 2012;	0.143
E.122. Diana-Corina Bostan, Sorin Bostan, Marius-Mihai Cazacu , Adrian Timofte, <i>Severe weather events in Moldavia region, in the last ten days of May 2012</i> , Bucharest University Faculty of Physics 2012 Meeting, Bucuresti, Romania, 22 – 23 Iunie 2012;	0.167
E.123. Stratulat Ioan Sorin, Timofte Adrian, Cazacu Marius Mihai , Dimitriu Dan Gheorghe, Gurlui Silviu Octavian, <i>Meteo-climatic factors influence and balneary-climatic potential studies - Cacica salt-mines, Suceava county</i> , ISMH 38th World Congress, Lanjarón-Granada, Spania, 20-23 Iunie 2012;	0.250
E.124. Adrian Timofte, Marius Mihai Cazacu , Dan Gheorghe Dimitriu, Silviu Octavian Gurlui, Maricel Agop, <i>A new approach of atmospheric vortex dynamics by non-differentiability</i> , First International Conference on Moldavian Risks - from Global to Local scale, Bacău, Romania, 16-19 May 2012;	0.200
E.125. Mihail Nicolae Dănilă, Florin Unga, Marius Mihai Cazacu , Silviu Gurlui, <i>Implementation of Python Programming for the Analysis and Interpretation of LIDAR Signals</i> , International Student Conference on Photonics (ISCP 2012), Sinaia, Romania, 8 – 11 Mai 2012;	0.200
E.126. Florin Unga, Mihail Nicolae Dănilă, Silviu Gurlui, Dan Dimitriu, Nicolae Ajtai, Adrian Timofte, Marius Mihai Cazacu , <i>Optical parameters characterization of a volcanic ash intrusion over Northern Romania following the Grímsvötn volcano eruption in May 2011</i> , International Student Conference on Photonics (ISCP 2012), Sinaia, Romania, 8 – 11 Mai 2012;	0.250
E.127. Marius-Mihai Cazacu , <i>Remote sensing methods for monitoring of tropospheric aerosols</i> , The 4th annual conference - "Natural Area - certainty and scientific evidence for balneo-climateric recovery treatment", Gura Humorului, Romania, 17 December 2011;	0.143
E.128. Mihai Nicolae Danila, Florin Unga, Marius Mihai Cazacu , Adrian Timofte, Mitachi Strat, Dan Gheorghe Dimitriu, Silviu Gurlui, <i>LIDAR measurements comparision of two volcanic eruptions: environmental influences upon the Romanian territory</i> , Physics Conference TIM – 11, Timisoara, Romania, 24 - 27 November 2011;	1.000
E.129. Florin Unga, Mihai Nicolae Danila, Adrian Timofte, Marius Mihai Cazacu , Ioan Sorin Stratulat, Dan Gheorghe Dimitriu, Silviu Gurlui, <i>PM10- dust particle measurements over the Cacica area: environmental model and experimental approach discussions</i> , Physics Conference TIM – 11, Timisoara, Romania, 24 - 27 November 2011;	0.143
E.130. Mihail Nicolae Dănilă, Florin Unga, Marius Mihai Cazacu , Adrian Timofte, Mitachi Strat, Dan Gheorghe Dimitriu, Silviu Gurlui, <i>Influența dimensiunilor microparticulelor din aer asupra sănătății și a poluării mediului. Instrumente și modele atmosferice de diagnoză</i> , Sesiune de comunicări științifice – FARPHYS 2011, Iași, România, 29 octombrie 2011;	0.143
E.131. Florin Unga, Mihail Nicolae Danila, Marius Mihai Cazacu , Adrian Timofte, Mitachi Strat, Dan Gheorghe Dimitriu, Silviu Gurlui, <i>Metode de teledetecție pentru investigarea aerosolilor troposferei</i> , Sesiune de comunicări științifice – FARPHYS 2011, Iași, România, 29 octombrie 2011;	0.143
E.132. Ioan-Sorin Stratulat, Marius-Mihai Cazacu , Adrian Timofte, Dan-Gheorghe Dimitriu, Silviu Gurlui, <i>Meteo-climatic factors influence upon Cacica salt-mines</i> ,	0.143

Suceava county-natural climatic areal for medical rehabilitation treatment, 5th Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2011, București, Romania, 28-30 September 2011;	
E.133. Marius Mihai Cazacu , Adrian Timofte, Camelia Talianu, Doina Nicolae, Dan Gheorghe Dimitriu, Silviu Gurlui, <i>Iasi County: Atmospheric volcanic ash cloud investigations. Modeling-forecast and experimental environmental approach</i> , 5th Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2011, București, Romania, 28-30 September 2011;	0.200
E.134. Ioan-Sorin Stratulat, Adrian Timofte, Marius-Mihai Cazacu , Dan-Gheorghe Dimitriu, Silviu Gurlui, <i>Cacica salt-mines, Suceava county: meteorological factors and balneary-climatic potential studies</i> , 5th Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2011, București, Romania, 28-30 September 2011;	0.167
E.135. Ovidiu-Gelu Tudose, Marius-Mihai Cazacu , Adrian Timofte, Ioan Balin, <i>ESYROLIDAR system developments for troposphere monitoring of aerosols and clouds properties</i> , SPIE Remote Sensing, Prague, Czech Republic, 19-22 September 2011;	0.200
E.136. Marius-Mihai Cazacu , Constantin Timofte, <i>Sisteme moderne de sondare si monitorizare a atmosferei terestre. sistemul LIDAR</i> , Simpozionul International: "Universul Științelor" – Ed. a II-a – 2011, Iași, Romania, 10 September 2011;	0.250
E.137. Ovidiu-Gelu Tudose, Marius-Mihai Cazacu , Adrian Timofte, Dan Gheorghe Dimitriu, Silviu Gurlui, <i>North East region of Romania: 3D atmospheric pollution studies. Modeling-forecast and experimental environmental approach</i> , 12th International Balkan Workshop on Applied Physics, Constanța, România, 6 –8 July 2011;	0.500
E.138. Ovidiu-Gelu Tudose, Marius-Mihai Cazacu , Adrian Timofte, Ioan Balin, and Doina Nicolae, <i>Performances analysis of a new powerful LIDAR configuration for 3D monitoring of tropospheric aerosols and clouds</i> , European Geosciences Union General Assembly 2011, EGU 2011, Vienna, Austria, 03 – 08 April 2011;	0.200
E.139. A. Timofte, M.M. Cazacu, D. Dimitriu, S. Gurlui, R. Radulescu, C. Talianu, <i>Utilizarea sistemelor LIDAR in Romania pentru investigarea norului de cenusa provenit de la vulcanul EYJAFJALLAJOKULL</i> , Sesiunea anuala de comunicari stiintifice, Administratia Nationala de Meteorologie, Bucuresti, Romania, 10 – 11 Noiembrie 2010;	0.200
E.140. A. Timofte, M.M. Cazacu , R. Radulescu, C. Talianu, D. Dimitriu, S. Gurlui, <i>First Romanian LIDAR investigation of the EYJAFJALLAJOKULL volcanic ash</i> , 4th International Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2010, Cluj-Napoca, Romania, 19 – 21 Octombrie 2010;	0.167
E.141. M.M. Cazacu , A. Timofte, D. Dimitriu, S. Gurlui, <i>Experimental validation of MAP 3D environmental data in NE region of Romania-Iasi area</i> , 4th International Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2010, Cluj-Napoca, Romania, 19 – 21 Octombrie 2010;	0.167
E.142. I. Balin, M. Cazacu , O. Tudose, C. Mahalu, S. Gurlui, D. Costin, V. Ristici, I. Vetres, D. Nicolae, <i>State of the art of the LIDAR systems development for the Romanian Lidar national NETwork ROLINET</i> , 4th International Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2010, Cluj-Napoca, Romania, 19 – 21 Octombrie 2010;	0.250
E.143. Adrian Timofte, Marius-Mihai Cazacu , Dan Dimitriu, Silviu Gurlui, Razvan Radulescu, Camelia Talianu, <i>Importance of using LIDAR systems for investigations of volcanic ash (EYJAFJALLAJOKULL) over Romanian territory</i> , Conferinta Nationala de Fizica – Iasi, 23-25 septembrie 2010;	0.125
E.144. Adrian Timofte, Diana-Corina Bostan, Marius Mihai Cazacu , Sorin Bostan, Liviu Leontie, <i>A study on the evolution of the direct solar radiation, between 2000-2009, at the synoptic ground stations in Moldavia</i> , Conferinta Nationala de Fizica – Iasi, 23-25 septembrie 2010;	0.167
E.145. Mihai Cazacu , Ovidiu Tudose, Valentin Ristici, Doina Nicolae, Ioan Balin, <i>Integration of a UV-VIS-NIR Nd:YAG laser system in a new LIDAR system</i> , International Student Workshop on Laser Applications 2010, ISWLA'10, Bran, Romania, 25 – 28 Mai 2010;	0.200
E.146. M.M. Cazacu , A. Timofte, P. Mark, O. Tudose, S. Gurlui, D.O. Dorohoi, I. Balin – <i>New mESYLIDAR system testing measurements: first results considering meteorological context in North East region of Romania</i> , The General Assembly of the European Geosciences Union, EGU 2010, Viena, Austria, 2 – 9 Mai 2010;	0.200
E.147. Adrian Covășnianu, Ovidiu-Gelu Tudose, Marius-Mihai Cazacu , Iulian	0.143

Nichersu, Michel Memier, Ioan Balin, <i>R.E.E.L.D. (Economical and Ecological Reconstruction of the Danube Flood Plain) Campaign: airborne LIDAR data and GIS technique outputs</i> , The General Assembly of the European Geosciences Union, EGU 2010, Viena, Austria2 – 9 Mai 2010;	
E.148. M.M. Cazacu , A. Timofte, O.G. Tudose, D. Dimitriu, S. Gurlui, I. Balin, <i>mESYLIDAR - A new configuration for 3D monitoring of atmospheric aerosols and clouds</i> , Conferința Națională Fizica și Tehnologiile Educaționale Moderne XXXVIII, FTEM 2010, Iași, Romania, 15 Mai 2010;	0.167
E.149. A. Timofte, M.M. Cazacu , D. Dimitriu, S. Gurlui, R. Dumitrescu, C. Talianu, <i>First Romanian investigation of the EYJAFJALLAJOKULL volcanic ash using LIDAR tools and satellite data imagery</i> , Conferința Națională Fizica și Tehnologiile Educaționale Moderne XXXVIII, FTEM 2010, Iași, Romania, 15 Mai 2010;	0.167
E.150. M. M. Cazacu , P. Ristori, O. Tudose, A. Balanici, D. Nicolae, V. Ristici, D. Balin, I. Balin, <i>mESYLIDAR: a new cost-effective powerful lidar configuration for tropospheric aerosols and clouds investigations</i> , 5th Workshop Lidar Measurements in Latin America, Buenos Aires, Argentina, 30 Noiembrie 2009 – 4 decembrie 2009;	0.167
E.151. M. Cazacu , I. Vetres, P. Ristori, P. Mark, O. Tudose, D. Nicolae, D. Dorohoi, I. Balin – <i>mESYLIDAR – a new up-gradable and versatile LIDAR configuration for 3D monitoring of atmospheric aerosols, clouds and water vapor within ROLINET project</i> , 3rd International Workshop on Optoelectronic Techniques for Environmental Monitoring – OTEM 2009, Bucuresti, Romania; 30 Septembrie – 2 Octombrie 2009;	0.125
E.152. I. Vetres, I. Ionel, M.M. Cazacu , I. Balin – <i>Necessity of complementar vertical resolved LIDAR observation towards ground air pollution analysis, in western Romania</i> , International U.A.B. – B.E.N.A Workshop Management and Sustainable Protection of Environment, Alba Iulia, Romania, 6 -7 Mai 2009;	0.125
E.153. M.M. Cazacu , P. Ristori, O. Tudose, A. Balanici, D. Nicolae, V. Ristici, D. Balin, I. Balin – <i>mESY LIDAR - a new cost-effective, versatile and powerful lidar configuration for tropospheric aerosols, clouds and water vapor investigations</i> , The General Assembly of the European Geosciences Union, EGU 2009, Viena, Austria, 19 – 24 aprilie 2009;	0.250
E.154. Balin I., Mierla M., Covasnianu A., Vasai D., Nichersu I., Memier M., Marin E., Galisson L., Libralesso N., Cazacu M. , Constantin D., Balin D., <i>High Resolution Numerical Terrain Model for the Romanian Danube Plain as a Basic Tool for Major Flood Risk</i> , Al 3-lea Simpozion International de Geografia Mediului, 17 – 19 Octombrie 2008, Iasi, Romania;	0.125
E.155. I. Balin, I. Nichersu, M. Memier, E. Marin, L. Galisson, N. Libralesso, M. Mierla, A. Covasnianu, M.M. Cazacu and D. Constantin, <i>LIDAR based High Resolution Numerical Terrain Model basic tool for major flood risk assessment Romanian Danube Plain</i> , IDRC International Disaster and Risk Conference 25 – 29 August 2008, Davos, Switzerland;	0.083
E.156. Gabriela Calin, M. M. Cazacu , V. Goian, C. Scarlat, C. Rambu, O. Chiscan, Felicia Iacom – <i>ZnO:Co Thin Films Grown By Spin – Coating Method</i> , International Conference on Fundamental and Applied Research in Physics, Iasi, Romania 25 – 27 octomber 2007;	0.100
E.157. V. Tura, F. Brinza, N. Sulitanu, M.M. Cazacu , G. Calin – <i>Magnetic properties of nanostructured materials in polyurethane template</i> , International Conference of IEEE Magnetics Society Chapter – Romania Section, Iasi 26 – 29 May 2007.	0.143
E.158. A. Covasnianu, M. Cazacu , N. Libralesso, L. Galisson, M. Memier, I. Balin – <i>Digital Terrain Model by airborne LIDAR technique: an essential tool for hydrologic risks assessment</i> ; 1st International Workshop on Optoelectronic Techniques for Environmental Monitoring and Risk Assessment, Bucharest, Romania, 21– 24 May 2007;	0.200
E.159. Gabriela Calin, Marius-Mihai Cazacu , Luiza Foca-Nici, Valentin Nica, Florin Brinza and Nicolae Sulitanu, - <i>Structure Solving for Nanocrystalline Clusters of Fe-Co Alloys</i> ; National Conference of Applied Physics CNFA 2006 Iasi, Romania 8-9 December 2006;	0.167
E.160. Mihai Cazacu , Eduard-Daniel Constantin, Adrian Covasnianu, Ioan Balin – <i>O3, SO2 and NOx urban processes: point monitor measurement & interpretation in Bucharest – spring 2006</i> ; 1st International Summer School – Optoelectronic Techniques for Environmental Monitoring and Risk Assessment, Baia Mare, Romania, 31 iulie – 9 august 2006;	0.167
E.161. Eduard-Daniel Constantin, Adrian Covasnianu, Mihai Cazacu , Ioan Balin - <i>O3</i> ,	0.250

	SO ₂ and NO _x urban processes: interpretation in Bucharest – May 2006; 1st International Summer School – Optoelectronic Techniques for Environmental Monitoring and Risk Assessment, Baia Mare, Romania, 31 iulie – 9 august 2006;	
	E.162. Catalin Chiaga, Adrian Covasniaru, Mihai Cazacu , Ioan Balin, <i>Research study – phonic pollution – Buzau County</i> , 1st International Summer School – Optoelectronic Techniques for Environmental Monitoring and Risk Assessment, Baia Mare, Romania, 31 iulie – 9 august 2006;	0.250
	E.163. Felicia Iacom, N. Apetroaei, G. Calin, Gh. Zoderiu, M.M. Cazacu , C. Scarlat, V. Goian, D. Menzel, I. Jursic, J. Schoenes – <i>Structure and Surface morphology of Mn – Implanted TiO₂</i> , The European Materials Research Society Spring Meeting, E-MRS - IUMRS - ICM 2006 – Nice, France, 29 May – 2 June 2006;	0.250
	E.164. V. Nica, M.M. Cazacu , F. Brinza, N. Sulitanu – <i>Achizitiile de date si prelucrari numerice in magnetometrie inductometrica de tip Howling</i> ; A XXXV-a Conferinta Nationala Fizica si Tehnologiile Educationale Moderne, Universitatea Alexandru Ioan Cuza, Iasi, 26-27 mai 2006;	0.100
	E.165. F. Brinza, N. Sulitanu, Marius-Mihai Cazacu – <i>Magnetic Properties of Fe-Co Nanoclusters embedded in Non Ferromagnetic Matrix</i> ; International Conference of „IEEE Magnetics Society Chapter – Romania Section Iasi 24-26 October 2005.	0.250
Total punctaj E de la ultima promovare: 6,430		
Total punctaj E: 32,18		

Total punctaj 3 de la ultima promovare: 44,593

Total punctaj 3: 99,314

4. Proiecte de cercetare-dezvoltare (P1, P2 etc.) pe bază de contract/ grant, precum și alte lucrări de cercetare-dezvoltare (F1, F2 etc.), după caz, prin care se aduc contribuții la dezvoltarea mediului educațional/ cultural/ economic/ social etc.

	Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție internațională	Punctaj
P	Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câștigate prin competiție națională sau încheiate cu institute de cercetare, companii, regii, societăți comerciale	
	P.1. Studii de spectroscopie și imagistică la nano-scală a aerosolilor atmosferici pentru a determina influența lor asupra parametrilor optici - PN III TE nr. 145/2020 - perioada: 2020 - 2022 - director proiect	30
F	Alte lucrări de proiectare-cercetare-dezvoltare	
	F.1. Studii de microscopie și spectroscopie analitică ale aerosolilor atmosferici pentru calitatea aerului și climă (MyAIR) - Grant intern: GnaC2018_65/2019 - perioada: 2019 - 2020 - director proiect	10
	F.2. Retea de laboratoare didactice pentru discipline generale specifice studiilor de inginerie - NETLAB - R.O.S.E. AG288/SGU/CI/III - director proiect: prof.dr.ing. Neculai-Eugen Seghediu - perioada 2020 - 2021 - membru	10
	F.3. Îmbunătățirea ratei de retenție a studenților în primul an de studii universitare, prin prevenirea abandonului de la Facultatea de Inginerie Chimică și Protecția Mediului „Cristofor Simionescu” – StepUP - R.O.S.E. AG195/SGU/NC/III 13.09.2019 - director proiect: conf.dr.ing. Brândușa Slușer - perioada 2019 - 2021 - membru	10
	F.4. Perfectionarea teoretică și practică a cadrelor didactice din învățământul preuniversitar pentru folosirea tehnologiilor educationale moderne în predarea fizicii și disciplinelor tehnice - POSDRU /157/1.3/S/132731- SMIS 53087 - director proiect: prof.dr.ing. Edward Nica - perioada 2014 - 2016 - membru	10

Total punctaj 4 de la ultima promovare: 60

Total punctaj 4: 70

TOTAL PUNCTAJ : 193.38

Note:

(1) Fiecare lucrare este prezentată, în limba în care a fost publicată / expusă, corespunzător structurii "I, II, III, IV, V, VI", unde:

I - indicativul (T1, T2 etc.; Ca1, Ca2 etc.; ...), care se scrie "bold" la lucrările realizate după acordarea ultimului titlu didactic/ grad profesional (**Ca1**, **I1** etc., după caz);

II - autorii în ordinea din publicație, cu scriere "bold" a **candidatului**;

III - *titlul*, scris "italic";

IV - editura sau revista sau manifestarea și/sau alte elemente de localizare, după caz;

V - intervalul de pagini din publicație, respectiv, pp ...-..., numărul total de pagini, respectiv, ... pg., sau alte date similare, după caz;

VI - anul sau perioada de realizare, după caz;

(2) În cadrul fiecărui grup de lucrări (Ca1, Ca2 etc.; I1, I2 etc. ; ...), lucrările sunt în ordine invers cronologică;

(3) În cazul în care o grupă de lucrări nu se regăsește în activitatea candidatului, respectiva grupă poate fi eliminată din listă;

(4) Candidații au libertatea să completeze lista și cu alte grupe de lucrări.

Data: 15.06.2022

Candidat,
Lector Univ. Dr. Ing. Marius Mihai Cazacu