ANEXA I

FIȘĂ DE EVALUARE GENERALĂ A ACTIVITĂŢILOR DE CERCETARE ŞI DIDACTICE (CONFORM STANDARDELOR UNIVERSITAŢII)

Observaţie: sunt considerate doar activităţile desfăşurate de la ultima promovare (februarie 2014).

I. Activitatea de cercetare	DESCRIPTORI		PUNCTAJE ACORDATE
	1. Articole științifice publicate în extenso în reviste cotate Web of Science cu factor de impact: (60 puncte x factor de impact+ 25) / număr autori		
		1. C Lhotka, C Galeş, Charged dust close to outer mean-motion resonances in the heliosphere **Celestial Mechanics and Dynamical Astronomy,** 131 (2019), 49. (impact factor=1.837)	67.61
		2. A. Celletti and C. Galeș, Dynamics of resonances and equilibria of Low Earth Objects, **SIAM Journal on Applied Dynamical Systems**, **17** (2018), 203-235. (impact factor=1.486)	57.08
		3. A. Celletti, C. Efthymiopoulos, F. Gachet, C. Galeș and G. Pucacco, Dynamical models and the onset of chaos in space debris, **International Journal of Non-Linear Mechanics**, **90** (2017), 147-163. (impact factor=2.225)	31.7
		4. A. Celletti, C. Galeș, G. Pucacco and A. Rosengren, Analytical development of the lunisolar disturbing function and the critical inclination secular resonance, **Celestial Mechanics and Dynamical Astronomy**, **127** (2017), 259-283. (impact factor=1.837)	33.805
		5. C. Lhotka, A. Celletti, C. Galeș, Poynting-Robertson drag and solar wind in the space debris problem, **Monthly Notices of the Royal Astronomical Society**, **460** (2016), 802-815. (impact factor=5.231)	112.953
		6. A. Celletti, C. Galeș, G. Pucacco, Bifurcation of lunisolar secular resonances for space debris orbits, **SIAM Journal on Applied Dynamical Systems**, **15** (2016), 1352-1383. (impact factor=1.486)	38.053
		7. A. Celletti, C. Galeș, A study of the main resonances outside the geostationary ring, **Advances in Space Research**, **56** (2015), 388-405. (impact factor=1.746)	64.88
		8. A. Celletti, C. Galeș, Dynamical investigation of minor resonances for space debris, **Celestial Mechanics and Dynamical Astronomy, 123** (2015), 203-222. (impact factor=1.837)	67.61
		9. A. Celletti, C. Galeș, On the Dynamics of Space Debris: 1:1 and 2:1 Resonances, **Journal of Nonlinear Science, 24** (2014), 1231-1262. (impact factor=2.017)	73.01
		10. C. Galeș și N. Baroiu, On the bending of plates in the electromagnetic theory of microstretch elasticity, **ZAMM**, 94, 55-71 (2014). (impact factor=1.296)	51.38
		Total articole ISI=	**592.682**
	2. Articole științifice publicate în extenso în reviste indexate Web of Science fără factor de impact: 20 puncte / numar autori		
		1. A. Celletti, C. Galeș, A study of the lunisolar secular resonance 2dω/dt+dΩ/dt=0, **Frontier in Astronomy and Space Sciences - Fundamental Astronomy**, 31 March 2016 | http://dx.doi.org/10.3389/fspas.2016.00011 (on-line paper)	**10**

	3. Articole științifice publicate în extenso în reviste clasificate CNCSIS B+ si BDI: 15 puncte / numar autori		
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	4. Articole științifice publicate în extenso în volumele conferințelor a) indexate ISI: 30 puncte/numar autori; b) indexate in BDI: 15 puncte/numar autori; c) alte categorii: 5 puncte/numar autori		
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	5. Cărți științifice publicate (doar prima ediție);		
		--	
	6. Carti stiintifice traduse si publicate în edituri din străinătate		
		--	
	7. Coordonarea și editarea de volume, traduceri și antologii **a) edituri academice internationale: 60 puncte/numar autori**		
		1. Baù G., Celletti A., Galeș C., Gronchi G.F., eds., Satellite Dynamics and Space Missions, **Springer, INDAM Series**, n. 34 (2019).	**15**
I. Activitatea de cercetare	**8. Articole publicate in dictionare si encilopedii** **a) edituri academice internationale: 30 puncte/numar autori**		
		1. C. Galeș, Continuous Dependence Results, vol. 2|C-D, pp. 714-721, In R. Hetnarski (ed.) **Encyclopedia of Thermal Stresses**, Springer, 2014.	**30**
		2. C. Galeș, Hamilton-Kirchhoff Principle, vol. 5|H-K, pp. 2109-2114, In R. Hetnarski (ed.) **Encyclopedia of Thermal Stresses**, Springer, 2014	**30**
		3. C. Galeș, Nonlinear Thermoelastic Model, vol. 7|N-P, pp. 3377-3387, In R. Hetnarski (ed.) **Encyclopedia of Thermal Stresses**, Springer, 2014.	**30**
		4. C. Galeș, Structural Stability in Linear Thermoelasticity, vol. 8|Q-S, pp. 4688-4694, In R. Hetnarski (ed.) **Encyclopedia of Thermal Stresses**, Springer, 2014.	**30**
		5. C. Galeș, Uniqueness and Continuous Dependence Results in Nonlinear Thermoviscoelasticity , vol. 11|U-Z, pp. 6303-6311, In R. Hetnarski (ed.) **Encyclopedia of Thermal Stresses**, Springer, 2014.	**30**
	9. Contracte de cercetare științifică in institutii academice (universitatii, institute ale Academiei Romane, institute nationale de cercetare, institute de cercetare din starinatate, alte categorii de institute academice)		
	a) contracte internationale-director: 100 puncte pentru fiecare 100000 euro		
		H2020:-MSCA-ITN-2018, STARDUST-R, G.A. No. 813644 (216000 euro)	**200**
	b) contracte internationale-membru: 100 puncte pentru fiecare 100000 euro/numarul membrilor echipei de cercetare		
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	c) contracte nationale-director: 50 puncte pentru fiecare 500000 lei		
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d) contracte nationale-membru: 50 puncte pentru fiecare 500000 euro/numarul membrilor echipei de cercetare		
	PN-II-RU-TE-2014-4-0320, Mathematical methods applied in the study of mechanical systems, , director Ghiba Ionel Dumitrel, 2015-2017, 400000 lei	**10**
	PN-III-P1-1.1-TE-2016-2314, Analiza matematică a sistemelor mecanice neliniare, director Ghiba Ionel Dumitrel, 2018-2020, 550000 lei	**10**
10. Contracte de cercetare in mediul de afaceri si sectorul public		
11. Brevete		
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12. Citări și recenzii ale lucrărilor științifice; reviste de specialitate din străinătate: (10+20 x factor de impact) /număr autori		
ARTICOL: A. Celletti, C. Galeș, G. Pucacco, Bifurcation of lunisolar secular resonances for space debris orbits, **SIAM Journal on Applied Dynamical Systems, 15** (2016), 1352-1383.		
Citat În	1. I. Gkolias, J. Daquin, F. Gachet, and A.J. Rosengren, From order to chaos in Earth satellite orbits, **The Astronomical Journal, 152** (2016), n. 5, 119. (impact factor=5.497)	39.98
Citat În	2. A.J. Rosengren, J. Daquin, K. Tsiganis, E.M. Alessi, G.B. Valsecchi, A. Rossi, F. Deleflie, GALILEO Disposal Orbit Strategy: Stability, Chaos and Predictability, **Monthly Notices of the Royal Astronomical Society, 464** (2017), n. 4, 4063-4076. (impact factor=5.231)	38.206
Citat În	3. A. Celletti, F. Paita, G. Pucacco, Twist and non-twist regimes of the oblate planet problem**, Rendiconti Lincei-Matematica e Applicazioni**, **28** (2017), 535-552. (impact factor=0.69)	7.93
Citat În	4. R. Armelin, J.F. San-Juan, Optimal Earth's reentry disposal of the Galileo constellation, **Advances in Space Research, 61** (2018), 1097-1120. (impact factor=1.746)	14.97
Citat În	5. A.J. Rosengren, D.K. Skoulidou, K. Tsiganis, G. Voyatzis, Dynamical cartography of Earth satellite orbits, **Advances in Space Research**, 63, (2019), 443-460. (impact factor=1.746)	14.97
Citat În	6. D.K. Skoulidou, A.J. Rosengren, K. Tsiganis, et al. Dynamical lifetime survey of geostationary transfer orbits. **Celest. Mech. Dyn. Astr.** 130, 77 (2018). (impact factor=1.837)	15.58
ARTICOL: A. Celletti, C. Galeș, A study of the main resonances outside the geostationary ring, **Advances in Space Research**, **56** (2015), 388-405.		
Citat În	7. M. Vetrisano, A. Celletti, G. Pucacco, Asteroid debris: Temporary capture and escape orbits, **International Journal of Non-Linear Mechanics, 86** (2016), 23-32. (impact factor=2.225)	27.25
Citat În	8. Ane Lemaitre, Space Debris: From LEO to GEO, pp 115-157, in the book Satellite Dynamics and Space Missions, **Springer 2019**. (impact factor=)	25
ARTICOL: A. Celletti, C. Galeș, On the Dynamics of Space Debris: 1:1 and 2:1 Resonances, **Journal of Nonlinear Science, 24** (2014), 1231-1262.		
Citat În	9.A.J. Rosengren, E.M. Alessi, A. Rossi, G.B. Valsecchi, Chaos in navigation satellite orbits caused by the perturbed motion of the Moon, **Monthly Notices of the Royal Astronomical Society, 449** (2015), 3522-3526.	57.31

		(impact factor=5.231)	
	Citat În	10. J. Daquin, A.J. Rosengren, E.M. Alessi, F. Deleflie, G.B. Valsecchi, A. Rossi, The dynamical structure of the MEO region: long-term stability, chaos, and transport, **Celest. Mech. Dyn. Astr. 124** (2016), 335-366. (impact factor=1.837)	23.37
	Citat În	11. M.J. Nadoushan, N. Assadian, Geography of the rotational resonances and their stability in the ellipsoidal full two body problem, **Icarus, 265** (2016), 175-186. (impact factor=3.565)	40.65
	Citat În	12. M. Vetrisano, A. Celletti, G. Pucacco, Asteroid debris: Temporary capture and escape orbits, **International Journal of Non-Linear Mechanics,86** (2016), 23-32. (impact factor=2.225)	27.25
	Citat În	13. F. Gachet, A. Celletti, G. Pucacco, C. Efthymiopoulos, Geostationary secular dynamics revisited: application to high area-to-mass ratio objects, **Celestial Mechanics and Dynamical Astronomy, 128** (2017), 149-181. (impact factor=1.837)	23.37
	Citat În	14. A.J. Rosengren, D.K. Skoulidou, K. Tsiganis, G. Voyatzis, Dynamical cartography of Earth satellite orbits, **Advances in Space Research**, 63, (2019), 443-460. (impact factor=1.746)	22.46
	Citat În	15. D.K. Skoulidou, A.J. Rosengren, K. Tsiganis, et al. Dynamical lifetime survey of geostationary transfer orbits. **Celest. Mech. Dyn. Astr.** 130, 77 (2018). (impact factor=1.837)	23.37
	Citat În	16. I. Gkolias, C. Colombo, Towards a sustainable exploitation of the geosynchronous orbital region, **Celestial Mechanics and Dynamical Astronomy**, 131:19 (2019). (impact factor=1.837)	23.37
	Citat În	17. L Mazzini, Orbital Dynamics and Guidance, in the book: Flexible Spacecraft Dynamics, Control and Guidance, **Springer 2016**.	25
	Citat În	18. Ane Lemaitre, Space Debris: From LEO to GEO, pp 115-157, in the book Satellite Dynamics and Space Missions, **Springer 2019**.	25
	ARTICOL: C. Galeș, A cartographic study of the phase space of the restricted three body problem. Application to the Sun-Jupiter-Asteroid system, **Communications in Nonlinear Science and Numerical Simulation, 17** (2012), 4721-4730.		
	Citat În	19. N Todorović, B Novaković, Testing the FLI in the region of the Pallas asteroid family, **Monthly Notices of the Royal Astronomical Society, 451** (2015), 1637-1648. (impact factor=5.231)	81.3
	Citat În	20. J. Daquin, A.J. Rosengren, E.M. Alessi, F. Deleflie, G.B. Valsecchi, A. Rossi, The dynamical structure of the MEO region: long-term stability, chaos, and transport, **Celest. Mech. Dyn. Astr. 124** (2016), 335-366. (impact factor=1.837)	46.74

	Citat În	21. N Todorović, The precise and powerful chaos of the 5: 2 mean motion resonance with Jupiter, **Monthly Notices of the Royal Astronomical Society, 465** (2017), 4441-4449. (impact factor=5.231)	114.62
	Citat În	22. Y. Jiang, Dynamical environment in the vicinity of asteroids with an application to 41 Daphne, **Results in Physics**, 9 (2018), 1511-1520. (impact factor=3.042)	70.84
	ARTICOL: C. Lhotka, A. Celletti, C. Galeș, Poynting-Robertson drag and solar wind in the space debris problem, **Monthly Notices of the Royal Astronomical Society**, **460** (2016), 802-815.		
	Citat În	23. M. Murawiecka, A. Lemaitre, Yarkovsky-Schach effect on space debris motion, **Advances in Space Research**, **61**(2018), 935-940. (impact factor=1.746)	14.97
	Citat În	24. L. Iorio, Measuring general relativistic dragging effects in the Earth's gravitational field with ELXIS: a proposal, **Classical and Quantum Gravity**, 36:3 (2019). (impact factor=3.487)	26.58
	Citat În	25. L. Iorio, Measuring the De Sitter precession with a new Earth’s satellite to the $\simeq 10^{-5}$ level: a proposal, **The European Physical Journal C**, 79, Article number: 64 (2019). (impact factor=4.843)	35.62
	ARTICOL: A. Celletti, C. Galeș, G. Pucacco and A. Rosengren, Analytical development of the lunisolar disturbing function and the critical inclination secular resonance, **Celestial Mechanics and Dynamical Astronomy**, **127** (2017), 259-283.		
	Citat În	26. J. Daquin, A.J. Rosengren, E. M. Alessi, F. Deleflie, G.B. Valsecchi, A, Rossi, The dynamical structure of the MEO region: long-term stability, chaos, and transport, **Celestial Mechanics and Dynamical Astronomy**, 124, 335–366 (2016). (impact factor=1.837)	11.68
	Citat În	27. E. Tresaco, J.P. Carvalho, A. Prado et al. Averaged model to study long-term dynamics of a probe about Mercury, **Celestial Mechanics and Dynamical Astronomy, 130** (2018), Article Number: UNSP 9. (impact factor=1.837)	11.68
	Citat În	28. I. Gkolias, C. Colombo, Towards a sustainable exploitation of the geosynchronous orbital region, **Celestial Mechanics and Dynamical Astronomy**, 131:19 (2019). (impact factor=1.837)	11.68
	Citat În	29. D. Veras, M. Efroimsky, V.V. Makarov et al., Orbital relaxation and excitation of planets tidally interacting with white dwarfs, **Monthly Notices of the Royal Astronomical Society**, 486, (2019), 3831–3848. (impact factor=5.231)	28.65
	Citat În	30. Ane Lemaitre, Space Debris: From LEO to GEO, pp 115-157, in the book Satellite Dynamics and Space Missions, **Springer 2019**.	12.5
	ARTICOL: A. Celletti, C. Efthymiopoulos, F. Gachet, C. Galeș and G. Pucacco, Dynamical models and the onset of chaos in space debris, **International Journal of Non-Linear Mechanics**, **90** (2017), 147-163.		
	Citat În	31. E.M. Alessi, G. Schettino, A. Rossi et al., Solar radiation pressure resonances in Low Earth Orbits, **Monthly Notices of the Royal**	

	Astronomical Society, **473** (2018), 2407-2414. (impact factor=5.231)	22.92
Citat În	32. X. Luo Y. Wang, Luni-solar resonances and effect on long-term evolution of inclined geostationary transfer orbits, **Acta Astronautica**, 165 (2019), 158-166. (impact factor=2.482)	11.92
Citat În	33. E. Lacruz, D. Casanova, A. Abad, Estimation of a reliability range for the area-to-mass ratio of orbiters at the geostationary ring, **Acta Astronautica**, 166 (2020), 104-112. (impact factor=2.482)	11.92
Citat În	34. A. Petit, D. Casanova, M. Dumont, A. Lemaître, Creation of a synthetic population of space debris to reduce discrepancies between simulation and observations, **Celestial Mechanics and Dynamical Astronomy**, 130, Article number: 79 (2018). (impact factor=1.837)	9.34
Citat În	35. P. Mark, S. Kamath, Review of Active Space Debris Removal Methods, **Space Policy**, 47 (2019), 194-206. (impact factor=0.582)	4.32
Citat În	36. Ane Lemaitre, Space Debris: From LEO to GEO, pp 115-157, in the book Satellite Dynamics and Space Missions, **Springer 2019**.	10
ARTICOL: A. Celletti and C. Galeș, Dynamics of resonances and equilibria of Low Earth Objects, **SIAM Journal on Applied Dynamical Systems**, **17** (2018), 203-235.		
Citat În	37. H. Ma, G. Baù, D. Bracali Cioci and G. F. Gronchi, Preliminary orbits with line-of-sight correction for LEO satellites observed with radar, **Celestial Mechanics and Dynamical Astronomy**, 130, Article number: 70 (2018). (impact factor=1.837)	23.37
Citat În	38. X. Luo Y. Wang, Luni-solar resonances and effect on long-term evolution of inclined geostationary transfer orbits, **Acta Astronautica**, 165 (2019), 158-166. (impact factor=2.482)	29.82
Citat În	39. F. Paita, A. Celletti and G. Pucacco, Element history of the Laplace resonance: a dynamical approach, **Astronomy and Astrophysics**, 617, A35 (2018). (impact factor=6.209)	67.09
ARTICOL: A. Celletti, C. Galeș, Dynamical investigation of minor resonances for space debris, **Celestial Mechanics and Dynamical Astronomy, 123** (2015), 203-222.		
Citat În	40. E.A. Alessi, G. Schettino, A. Rossi, G.B. Valsecchi, Natural highways for end-of-life solutions in the LEO region, **Celestial Mechanics and Dynamical Astronomy**, 130, Article number: 34 (2018). (impact factor=1.837)	23.37
Citat În	41. Ane Lemaitre, Space Debris: From LEO to GEO, pp 115-157, in the book Satellite Dynamics and Space Missions, **Springer 2019**.	25
ARTICOL: A. Celletti, C. Galeș, A study of the lunisolar secular resonance $2d\omega/dt+d\Omega/dt=0$, **Frontier in Astronomy and Space Sciences - Fundamental Astronomy**, 31 March 2016 | http://dx.doi.org/10.3389/fspas.2016.00011 (on-line paper)		
Citat În	42. A.J. Rosengren, J. Daquin, K. Tsiganis, E.M. Alessi, G.B. Valsecchi, A. Rossi, F. Deleflie, GALILEO Disposal Orbit Strategy: Stability, Chaos and Predictability, **Monthly Notices of the Royal Astronomical Society, 464**	57.31

		(2017), n. 4, 4063-4076. (impact factor=5.231)	
	Citat În	43. R. Armelin, J.F. San-Juan, Optimal Earth's reentry disposal of the Galileo constellation, **Advances in Space Research, 61** (2018), 1097-1120. (impact factor=1.746)	22.46
	Citat În	44. I. Gkolias, J. Daquin, D. K. Skoulidou, K. Tsiganis, and C. Efthymiopoulos, Chaotic transport of navigation satellites, **Chaos** 29, 101106 (2019). (impact factor=2.643)	31.43
	Citat În	45. D.K. Skoulidou, A.J. Rosengren, K. Tsiganis, G. Voyatzis, Medium Earth Orbit dynamical survey and its use in passive debris removal, **Advances in Space Research**, 63 (2019), 3646-3674. (impact factor=1.746)	22.46
	Citat În	46. Ane Lemaitre, Space Debris: From LEO to GEO, pp 115-157, in the book Satellite Dynamics and Space Missions, **Springer 2019**.	25
	AUTOR: Galeş, *Waves and vibrations in the theory of swelling porous elastic soils,* **European Journal of Mechanics A/Solids, 23** (2004), 345-357.		
	Citat În	47. S. Goyal, D. Singh, S.K. Tomar, Rayleigh-Type Surface Waves in a Swelling Porous Half-Space, **Transport in Porous Media**, 113 (2016), 91–109. (impact factor=1.997)	49.94
	AUTOR: C. Galeş, *On the spatial behavior in the theory of viscoelastic mixtures,* **Journal of Thermal Stresses**, **30** (2007), 1-24.		
	Citat In	48. M.M. Svanadze, Plane waves and uniqueness theorems in the theory of viscoelastic mixtures, **Acta Mechanica, 228** (2017), 1835–1849. (impact factor=2.166)	53.32
	Citat In	49. M.M. Svanadze, On the solutions in the linear theory of micropolar viscoelasticity, **Mechanics Research Communications, 81** (2017), 17-25. (impact factor=2.229)	54.58
	Citat In	50. M. Svanadze, Potential Method in the Theory of Thermoviscoelasticity for Materials with Voids, **Journal of Thermal Stresses**, 37, 905-927, 2014. (impact factor=2.13)	52.6
	Citat In	51. A. Bucur, Spatial Behavior in Linear Theory of Thermoviscoelasticity with Voids, **Journal of Thermal Stresses**, 38, 229-249, 2015. (impact factor=2.13)	52.6
	AUTOR: C. Galeş, *On spatial behavior of the harmonic vibrations in thermoviscoelastic mixtures*, **Journal of Thermal Stresses, 32** (2009), 512 – 529.		
	Citat în	52. M.M. Svanadze, Plane waves and uniqueness theorems in the theory of viscoelastic mixtures, **Acta Mechanica, 228** (2017), 1835–1849. (impact factor=2.166)	53.32
	Citat In	53. M. Svanadze, Potential Method in the Theory of Thermoviscoelasticity for Materials with Voids, **Journal of Thermal Stresses**, 37, 905-927, 2014. (impact factor=2.13)	52.6
	Citat In	54. M.M. Svanadze, Fundamental solution and uniqueness theorems in the linear theory of thermoviscoelasticity for solids with double porosity, **Journal of Thermal Stresses**, 40 (2017), 1339-1352. (impact factor=2.13)	52.6
	Citat In	55. H.L. Dai, at al., Thermoviscoelastic dynamic response for a rectangular steel plate under laser processing, **International Journal of Heat and Mass Transfer**, 105 (2017), 24-33. (impact factor=4.346)	96.92
	Citat In	56. M. M. Svanadze, Potential method in the theory of thermoviscoelastic mixtures, **Journal of Thermal Stresses**, 41 (2018), 1022-1041. (impact factor=2.13)	52.6
	AUTOR: Galeş, Some results in micromorphic piezoelectricity, **European Journal of Mechanics-A/Solids, 31** (2012), 37-46.		
	Citat în	57. P. Neff, I. D. Ghiba, A. Madeo, L. Placidi, G. Rosi, *A unifying perspective: the relaxed linear micromorphic continuum*, **Continuum Mechanics and**	45.16

		Thermodynamics, 26, 639-631 (2014). (impact factor=1.758)	
	Citat în	58. I. D. Ghiba, P. Neff, A. Madeo, L. Placidi, G. Rosi, The relaxed linear micromorphic continuum: Existence, uniqueness and continuous dependence in dynamics, **Mathematics and Mechanics of Solids**, vol. 20 no. 10, 1171-1197 (2015). (impact factor=1.791)	45.82
	Citat în	59. P. Neff, I.D. Ghiba, M. Lazar, A. Madeo, The relaxed linear micromorphic continuum: well-posedness of the static problem and relations to the gauge theory of dislocations, **Quarterly Journal of Mechanics and Applied Mathematics**, vol. 68, 53-84 (2015). (impact factor=0.8)	26
	Citat în	60. B. Singh and R. Sindhu, Rotational Effects on Propagation of Rayleigh Wave in a Micropolar Piezoelectric Medium, **Journal of Theoretical and Applied Mechanics**, 48 (2018), 93-105. (impact factor=0.783)	25.66
	Citat în	61. M. Marin, A. Öchsner, An initial boundary value problem for modeling a piezoelectric dipolar body, **Continuum Mechanics and Thermodynamics**, 30 (2018), 267–278. (impact factor=1.758)	45.16
	Citat În	62. Michele Serpilli, Asymptotic piezoelectric plate models in microstretch elasticity, **ZAMM**, 98 (2018), 454-473. (impact factor=1.296)	35.92
	Citat În	63. D.Ieşan, Chiral effects in piezoelectricity, **Mechanics Research Communications**, 79 (2017), 24-31. (impact factor=2.229)	54.58
	AUTOR: C. Galeş, A mixture theory for micropolar thermoelastic solids, **Mathematical Problems in Engineering,** Vol. 2007 (2007), Article ID 90672, 21 pages.		
	Citat În	64. K. Skhvitaridze, M. Kharashvili, D. Burchuladze, Boundary-Value Problems of Statics in the Two-Temperature Elastic Mixture Theory for a Half-Space, **Journal of Mathematical Sciences**, 206 (2015), 445–456. (impact factor=0.48)	19.6
	Citat În	65. R. Meladze, M. Kharashvili, K. Skhvitaridze, On a Two-Component Elastic Mixture with Different Temperature Values in a Scalar Field, **Journal of Mathematical Sciences**, 206 (2015) 393–405. (impact factor=0.48)	19.6
	AUTORI: . S. Chiriţă, C. Galeş şi I. D. Ghiba, *On spatial behavior of the harmonic vibrations in Kelvin-Voigt materials*, **Journal of Elasticity, 93** (2008)**,** 81-92.		
	Citat În	66. M. Svanadze, Potential Method in the Linear Theory of Viscoelastic Materials with Voids, **Journal of Elasticity**, vol 114, 101-126, 2014. (impact factor=1.906)	16.04
	Citat În	67. M. Svanadze, On the Solutions of Equations of the Linear Thermoviscoelasticity Theory for Kelvin–Voigt Materials with Voids, **Journal of Thermal Stresses**, 37, 253-269, (2014). (impact factor=2.13)	17.53
	Citat În	68. M. Svanadze, On the theory of viscoelasticity for materials with double porosity, **Discrete and Continuous Dynamical Systems-Series B**, 19, 2335-2352, (2014). (impact factor=0.73)	8.2
	Citat În	69. S. Chirita, On the Spatial Behavior of the Steady-State Vibrations in Thermoviscoelastic Porous Materials**, Journal of Thermal Stresses**, 38, 96-109, 2014. (impact factor=2.13)	17.53
	Citat În	70. S. Chirita, Spatial behavior in the vibrating thermoviscoelastic porous materials, **Discrete and Continuous Dynamical Systems, Series B**, 19, 2027-2038, 2014. (impact factor=0.73)	8.2
	Citat În	71. M. Svanadze, Potential Method in the Theory of Thermoviscoelasticity for Materials with Voids, **Journal of Thermal Stresses**, 37, 905-927, 2014. (impact factor=2.13)	17.53
	Citat În	72. Jai Bhagwan, S. K. Tomar, Reflection and Transmission of Plane Dilatational Wave at a Plane Interface Between an Elastic Solid Half-Space and a Thermo-viscoelastic Solid Half-Space with Voids, **Journal of Elasticity**, 121, 69-88, 2015. (impact factor=1.906)	16.04
	Citat În	73. M.M. Svanadze, Plane waves and problems of steady vibrations in the theory of viscoelasticity for Kelvin-Voigt materials with double porosity, **Arch. Mech**. 68 (2016), 441-458. (impact factor=1.543)	13.62
	AUTORI: S. Chiriţă şi C. Galeş, *A mixture theory for microstretch thermoviscoelastic solids*, **Journal of**		

	Thermal Stresses, 31 (2008)**,** 1099-1124.		
	Citat În	74. M. Svanadze, Potential Method in the Theory of Thermoviscoelasticity for Materials with Voids, **Journal of Thermal Stresses**, 37, 905-927, 2014. (impact factor=2.13)	26.3
	Citat În	75. M.M. Svanadze, Plane waves and problems of steady vibrations in the theory of viscoelasticity for Kelvin-Voigt materials with double porosity, **Arch. Mech**. 68 (2016), 441-458. (impact factor=1.543)	20.43
	AUTORI: C. Galeş şi S. Chiriţă, *On spatial behavior in linear viscoelasticity*, **Quarterly of Applied Mathematics, 67** (2009) pp. 707-723.		
	Citat În	76. A. Bucur, Spatial Behavior in Linear Theory of Thermoviscoelasticity with Voids, **Journal of Thermal Stresses**, 38, 229-249, 2015. (impact factor=2.13)	26.3
	AUTOR: C. Galeș, On spatial behavior of harmonic vibrations in viscoelastic Reissner-Mindlin plates, **International Journal of Solids and Structures**, **48** (2011), 243-248.		
	Citat În	77. I.D. Ghiba, E. Bulgariu, On spatial evolution of the solution of a non-standard problem in the bending theory of elastic plates, **IMA Journal of Applied Mathematic**s, 80, 452-473 (2015). (impact factor=1.505)	40.1
	Citat În	78. S. Chirita, On the Spatial Behavior of the Steady-State Vibrations in Thermoviscoelastic Porous Materials**, Journal of Thermal Stresses**, 38, 96-109, 2014. (impact factor=2.13)	52.6
	Citat În	79. S. Chirita, Spatial behavior in the vibrating thermoviscoelastic porous materials, **Discrete and Continuous Dynamical Systems, Series B**, 19, 2027-2038, 2014. (impact factor=0.73)	24.6
	AUTOR: C. Galeș, On uniqueness and continuous dependence in nonlinear thermoviscoelasticity, **Journal of Thermal Stresses**, **34** (2011), 366-377.		
	Citat În	80. M. Svanadze, Potential Method in the Theory of Thermoviscoelasticity for Materials with Voids, **Journal of Thermal Stresses**, 37, 905-927, 2014. (impact factor=2.13)	52.6
	AUTOR: C. Galeș, Spatial behavior in the electromagnetic theory of microstretch elasticity, **International Journal of Solids and Structures**, **48** (2011), 2755-2763.		
	Citat În	81. E.A. Ivanova, Y.E. Kolpakov, A description of piezoelectric effect in non-polar materials taking into account the quadrupole moments**, ZAMM**, 96 (2016), 1033-1048. (impact factor=1.296)	35.92
	Citat În	82. Michele Serpilli, Asymptotic piezoelectric plate models in microstretch elasticity, **ZAMM**, 98 (2018), 454-473. (impact factor=1.296)	35.92
	Citat În	83. De Olha Hrytsyna, Vasyl Kondrat, Local Gradient Theory for Dielectrics: Fundamentals and Applications, **Jenny Stanford Publishing Pte. Ltd. (2020).**	50
	AUTORI: C. Galeș, I.D. Ghiba și I. Ignătescu, Asymptotic partition of energy in micromorphic thermopiezoelectricity, **Journal of Thermal Stresses**, **34** (2011), 1241-1249.		
	Citat În	84. P. Neff, I. D. Ghiba, A. Madeo, L. Placidi, G. Rosi, *A unifying perspective: the relaxed linear micromorphic continuum*, **Continuum Mechanics and Thermodynamics,** 26, 639-631 (2014). (impact factor=1.758)	15.05
	Citat În	85. I. D. Ghiba, P. Neff, A. Madeo, L. Placidi, G. Rosi, The relaxed linear micromorphic continuum: Existence, uniqueness and continuous dependence in dynamics, **Mathematics and Mechanics of Solids**, vol. 20 no. 10, 1171-1197 (2015). (impact factor=1.791)	15.27
	Citat În	86. P. Neff, I.D. Ghiba, M. Lazar, A. Madeo, The relaxed linear micromorphic continuum: well-posedness of the static problem and relations to the gauge theory of dislocations, **Quarterly Journal of Mechanics and Applied Mathematics**, vol. 68, 53-84 (2015). (impact factor=0.8)	8.66
	Citat În	87. E.A. Ivanova, A new model of a micropolar continuum and some electromagnetic analogies, **Acta Mechanica**, 226, 697-721 (2015). (impact factor=2.166)	17.77
	Citat În	88. E.A. Ivanova, On a micropolar continuum approach to some problems of thermo- and electrodynamics, **Acta Mechanica**, 230 (2019), 1685–1715. (impact factor=2.166)	17.77
	AUTORI: C. Galeș, Spatial Behavior and Continuous Dependence Results in the Linear Dynamic		

	Theory of Magnetoelectroelasticity, **Journal of Elasticity, 108** (2012), 208-223.		
	Citat În	89. E.A. Ivanova, Y.E. Kolpakov, A description of piezoelectric effect in non-polar materials taking into account the quadrupole moments**, ZAMM**, 96 (2016), 1033-1048. (impact factor=1.296)	35.92
	AUTORI: C. Galeș și N. Baroiu, On the bending of plates in the electromagnetic theory of microstretch elasticity, **ZAMM,** 94, 55-71 (2014).		
	Citat În	90. I.D. Ghiba, E. Bulgariu, On spatial evolution of the solution of a non-standard problem in the bending theory of elastic plates, **IMA Journal of Applied Mathematic**s, 80, 452-473 (2015). (impact factor=1.505)	20.05
	Citat În	91. Michele Serpilli, Asymptotic piezoelectric plate models in microstretch elasticity, **ZAMM**, 98 (2018), 454-473. (impact factor=1.296)	17.96
	AUTORI: I.D. Ghiba și C. Galeș, Some qualitative results in the linear theory of micropolar solid-solid mixtures, **Journal of Thermal Stresses, 36** (2013), 426-445.		
	Citat În	92. A. Madeo, P. Neff, I. D. Ghiba, L. Placidi, G. Rosi, Wave propagation in relaxed micromorphic continua: modeling metamaterials with frequency band-gaps, **Continuum Mechanics and Thermodynamics**, 27, 551-570 (2015). (impact factor=1.758)	22.58
	AUTORI: C. Galeș, Structural stability and convergence in piezoelectricity, **SIAM Journal on Applied Mathematics, 72** (2012), 1856-1868.		
	Citat În	93. Yibin Ding, Yuhui Sun and Xiang Xu, On inverse problems for piezoelectric equation: stability analysis and numerical method, **Inverse Problems**, 34 (2018), Article 075012. (impact factor=1.858)	47.16
		Total citari=	**2933.6**
	13. Lucrări sustinute in calitate de invitat la manifestari stiintifice (conferinte, congrese, simpozioane, seminarii si ateliere de lucru) (in străinătate: 25 puncte pentru fiecare activitate; in tara: 10 puncte pentru fiecare activitate)		
		1. Zile Universitatii Al. I. Cuza Iasi, Octombrie 2019: *On space debris dynamics.*	**10**
		2. **The Ninth Congress of Romanian Mathematicians**, June 28-July 3, 2019, Galati, Romania: *A portrait of resonances in the space debris problem.*	**10**
		3. **2018AMC$_{70}$ Between Mathematics and Astronomy**, A workshop in honour of Andrea Milani Comparetti on the occasion of his 70th birthday, 3-5 September 2018, Pisa, Italy: *Dynamical effects of tesseral resonances in the LEO region.*	**25**
		4. **Outlook in Astronomy, Astrophysics, Space and Planetary Sciences,** 17 - 19 May 2018, Cluj-Napoca, Romania: *On the dynamics of space debris*.	**10**
		5. **International Conference on Applied and Pure Mathematics**, 5th edition, November 2-5, 2017, Iași, Romania: *Effects of gravitational resonances in the space debris problem*.	**10**
		6. **The Seventh International Meeting on Celestial Mechanics (CELMEC VII)**, September 3-9, 2017, San Martino al Cimino (VT), Italy: *Resonance effects within LEO, MEO and GEO regions*.	**25**
		7. **9th Humboldt Colloquium on Celestial Mechanics**, March 19-25, 2017, Bad Hofgastein, Austria: *Dissipative effects in the space debris problem*.	**25**

		8. **Stardust Final Conference**, 31st October - 4th November, 2016, **ESA ESTEC**, Netherlands: *Dynamics of resonances in the space debris problem* (**keynote speaker**).	25
		9. **XIII-ème Colloque Franco Roumain de Mathématiques Appliquées**, 25-29 Août, 2016, Iași: *Resonance effects in the dynamics of space debris*.	10
		10. **Computational perturbative methods for Hamiltonian systems - Applications in physics and astronomy**, July 11-July 13, 2016, Athens: *A study of the lunisolar secular resonances for space debris by using the Hamiltonian formalism*.	25
		11. **The Eighth Congress of Romanian Mathematicians**, June 26-July 1, 2015, Iași: *Dynamics of space debris: resonances and long term orbital effects*.	10
		12. **1st Stardust Global Virtual Workshop (SGVW-1) on Asteroids and Space Debris**, 6-9 May 2014, Glasgow, Scotland: *A description of the dynamics of space debris in the 1:1 and 2:1 resonances by using the Hamiltonian formalism*.	25
		13. Zile Universitatii Al. I. Cuza Iasi, Octombrie 2014: *A study of gravitational resonances*	10
		14.	
		Total conferinte=	**220**
	14. Profesor/cercetător invitat la universități/institute de cercetare; străinătate 25 puncte pentru fiecare activitate, tara 10 puncte pentru fiecare activitate		
		Cercetător invitat în perioada 16-28 februarie 2015 la Universitatea Tor Vergata din Roma	25
	15. Editor/Membru in Editorial Board&Advisory Board		
		--	
	16. Premii internaționale obținute printr-un proces de selecție		
		--	
	17. Premii ale Academiei Române		
		Premiul ”Spiru Haret” pentru lucarile publicate în anul 2011.	50
	18. Alte premii naționale ale instituțiilor culturale		
	19. Participari la manifestari stiintifice Internationale: membru comitet organizare 15 puncte pentru fiecare activitate Nationale: presedinte comitet organizare/consiliu stiintific 15 puncte pentru fiecare activ		
		1. Membru in comitetul de organizare al scolii: *Satellite Dynamics and Space Missions: Theory and Applications of Celestial Mechanics*, August 28 - September 2, 2017, San Martino al Cimino (VT), Italy, (http://adams.dm.unipi.it/~simca/sdsm2017/).	15
		2. Presedinte organizare al Zilelor Universitatii Al. I. Cuza Iasi, 2016.	15
		TOTAL ACTIVITATE DE CERCETARE=	**4246.28**

II. Activitatea didactică (30%)	**1. Tratate si manuale universitare**		
	2. Proiecte didactice		
	3. Materiale suport curs, seminar, lucrări practice și programe analitice detaliate; 10 puncte pentru fiecare activitate		
		Materiale curs, seminar: Astronomie, Mecanica Lagrange si Hamilton	40
		Programa analitica: Astronomie, Mecanica Lagrange si Hamilton, Metode matematice in stiinte spatiale	30
	4. Organizare de aplicații și practică de specialitate		
		Indrumare practica pedagogica (2014-2019)	30
		Activitati la Planetariu (2014-2019)	30
		The JASSY Summer School (A Journey Through Hard Sciences, Economics, Social Sciences And The Tourism Industry), Iași (Romania), July 9-22, **2018**: *Astronomy and sky map reading* (two-hours lecture).	5
		The JASSY Summer School (A Journey Through Hard Sciences, Economics, Social Sciences And The Tourism Industry), Iași (Romania), July 7-21, **2019**: *Astronomy and sky map reading* (two-hours lecture).	5
		STARDUST-R, The Opening Training School, Glasgow (UK), December 2-7, 2019: *Global dynamics around irregularly-shaped bodies* (one-hour lecture).	5
		STARDUST-R, The Opening Training School, Glasgow (UK), December 2-7, 2019: *Resonance effects on the long-term evolution of circumterrestrial orbits* (one-hour lecture).	5
	TOTAL ACTIVITATE DIDACTICA=		**150**
TOTAL (0.7*I+0.3*II)=			**3017.4**

Ianuarie 2020 Dr. GALEȘ Cătălin