

Fisa de indeplinire a standardelor minimale - Dan CHICEA

**Domeniul: Științe Inginerești
Comisia: Inginerie industrială
Chicea Dan, Universitatea "Lucian Blaga" din Sibiu**

Denumiri si restrictii	Subcategorii	Titlul	kpi	Indicatori unitari
1.1.1 Carti/ capitole ca autor	1.1.1.1 internationale	<i>THE "KIT PROJECT" REPORT</i> , George H. Miley, (P.I.), Dan Chicea, Mike Williams, Andy Tate, Giovana Selvaggi, Maria Okuniewski, University of Illinois at Urbana-Champaign Press, November 1999, 99 pg.	3.3	nr. pagini/(5*nr. autori)
		<i>In: CONDENSED MATTER NUCLEAR SCIENCE</i> , Peter I. Hagelstein, Scott R. Chubb editors, Dash J. And Chicea D. Authors, pages: 463-474, WORLD SCIENTIFIC, 2004, ISBN 981-256-564-7, pg. 463-474 (chapter name: EFFECTS OF HYDROGEN LOADING BY AQUEOUS ELECTROLYSIS ON RADIOACTIVITY OF URANIUM), 12 pages	1.2	
		<i>In: CONDENSED MATTER NUCLEAR SCIENCE</i> , Peter I. Hagelstein, Scott R. Chubb editors, Chicea D. Author, WORLD SCIENTIFIC, 2004, ISBN 981-256-564-7, pg. 475-482, (Chapter name: COMMENT ON CARBON PRODUCTION IN DEUTERIUM-METAL SYSTEMS), 8 pages.	1.6	
		<i>IN: ENGINEERING MATERIALS</i> Volume 0, Part 6, 2010, Trends in Nanophysics, Theory, Experiment and Technology, Victor Bârsan and Alexandru Aldea editors, D. Chicea author, pages 331 – 350, DOI: 10.1007/978-3-642-12070-1, 20 pages.	4	
		Total subcategorie 1.1.1.1	10.1	
	1.1.1.2 nationale (Ed. Recunoscute CNCSIS)		0	
		<i>TESTE GRILĂ DE FIZICĂ PENTRU ADMITEREA LA FACULTATEA DE MEDICINĂ VICTOR PAPILIAN</i> , D. Gh. Stoicescu, Dan Chicea, Anca Șerbănescu-Oașă, M. Gavrilescu, M. Ungureanu, G. Negrea, A. Gavrilescu, Editura Universității "Lucian Blaga" din Sibiu, Mai 1997, ISBN 973-97147-1-4, 209 pg.	2.99	nr. pagini/(10*nr. autori)
		<i>TESTE GRILĂ DE FIZICĂ PENTRU ADMITEREA IN FACULTĂȚI</i> , Dorin Gh. Stoicescu, Dan Chicea, A. Șerbănescu, etc., EDITURA TEORA, Noiembrie 1997, 479 pg.	3.21	
		<i>PROCESE FIZICE NEOBIȘNUTE ÎN SISTEME METAL-IZOTOPI AI HIDROGENULUI</i> , Dan Chicea, Editura Universității "Lucian Blaga" din Sibiu, Aprilie 2000, ISBN 973-651-085-9, 130 pg.	13	
		<i>SPECTROMETRIE DE NEUTRONI</i> , Chicea Dan, Editura Universității "Lucian Blaga" din Sibiu, 2002, ISBN 973-651-458-7, 132 pg.	13.2	
		<i>CALCUL NUMERIC ÎN FIZICĂ FOLOSIND MATLAB</i> , Dan Chicea, Editura Universității "Lucian Blaga" din Sibiu, ISBN 978-973-739-390-6, 2007, 222 pg.	22.2	
		<i>APA – RESURSA FUNDAMENTALĂ A DEZVOLTĂRII DURABILE –VOLUMUL III – METODE ȘI TEHNICI NECONVENȚIONALE DE EPURARE ȘI TRATARE A APEI</i> , coordonator Letiția Oprean, EDITURA ACADEMIEI ROMÂNE, BUCUREȘTI, 2012, ISBN: 978-973-27-2269-5, CAPITOLUL 34 – CHICEA DAN, pg: 258-263, 6 pagini.	0.6	
		Total subcategorie 1.1.1.2	55.2	
1.1.2 Carti ca editor		Total categorii	0	
1.2.1 Manuale didactice /monografii		<i>FIZICĂ GENERALĂ</i> , Dan Chicea, Editura Universității "Lucian Blaga" din Sibiu, Martie 1999, ISBN 973-9410-52-9, 140 pg.	7	nr. pagini/(20*nr. autori)
		<i>FIZICĂ GENERALĂ PENTRU I.D.D.</i> Dan Chicea, Editura Alma Mater, Sibiu, 2000, ISBN: 973-99974-5-7, 110 pg	5.5	
		<i>FIZICĂ PENTRU INGINERI</i> , Dan Chicea, Editura Universității "Lucian Blaga" din Sibiu, Decembrie 2000, ISBN 973-651-172-3, 180 pagini	9	

		FIZICĂ PENTRU ÎNVĂȚĂMÂNTUL POLITEHNIC , Dan Chicea, Editura Universității “Lucian Blaga” din Sibiu, ISBN 973-651-390-4, 2001, 206 pg.	10.3	
		CAPITOLE DE FIZICĂ ATOMICĂ , Dan Chicea, Editura Universității “Lucian Blaga” din Sibiu, ISBN 973-8371-13-9, Ianuarie 2002, 82 pg.	4.1	
		FIZICĂ NUCLEARĂ , Chicea Dan, Editura Universității “Lucian Blaga” din Sibiu, 2004, ISBN 973-651-987-2, 271 pg.	13.55	
		PRELUCRAREA DATELOR EXPERIMENTALE , Dan Chicea, Liana-Maria Chicea, Editura Alma Mater, ISBN 978-973-632-277-8, 2006, 145 pg.	3.63	
		INTRODUCERE ÎN MECANICA CUANTICĂ , Dan Chicea, Editura Alma Mater, ISBN 978-973-632-331-7, 2006, 145 pg.	7.25	
		MECANICA FLUIDELOR, ELECTRICITATE ȘI MAGNETISM, OPTICĂ , Dan Chicea, Editura Alma Mater, ISBN(13) 978-973-632-332-4, (10)973-632-332-3, 2006, 143 pg.	7.15	
		FIZICĂ PENTRU ÎNVĂȚĂMÂNT LA DISTANȚĂ SAU CU FRECVENȚĂ REDUSĂ , Dan Chicea, Editura “ALMA MATER”, ISBN 978-973-632-504-5, 2009, 160 pg.	8	
		METODE RADIOMETRICE DE ANALIZĂ ȘI CONTROL , Chicea Dan, Editura Universității "Lucian Blaga" din Sibiu, ISBN 978-606-12-0375-8, 2012, 182 pg.	9.1	
		NOȚIUNI DE TERMODINAMICĂ ȘI DE MECANICA FLUIDELOR , Dan Chicea, Editura Universității "Lucian Blaga" din Sibiu, ISBN 978-606-12-0507-3, 2014, 184 pg.	9.2	
		Total subcategorie 1.2.1	93.78	
1.2.2 Indrumare de laborator/aplicatii		LUCRĂRI PRACTICE DE FIZICA SOLIDULUI - Îndrumar de laborator , Gheorghe Stoicescu, Dan Chicea, Editura Universității din Sibiu, Sibiu, 1993, 102 pg.	4.08	nr. pagini/(25*nr. autori)
		RADIOMETRIE SI RADIOTOXICOLOGIE- Îndrumar de lucrări practice , Gheorghe Dumitru, Marian Pavelescu, Ioan Urian, Florin Antonescu, Dan Chicea, Editura Universității din Sibiu, Sibiu, 1994, 140 pg.	1.12	
		ELECTRICITATE ȘI MAGNETISM, LUCRARI PRACTICE , Dan Chicea, Editura Universității “Lucian Blaga” din Sibiu, Septembrie 1999, ISBN 973-9410-95-2, 150 pg.	6	
		LUCRĂRI PRACTICE DE MECANICĂ FIZICĂ , Dan Chicea, Editura Universității din Sibiu, 2000, ISBN 973-651-086-7, 80 pg.	3.2	
		LUCRĂRI DE LABORATOR DE FIZICĂ PENTRU I.D.D. , Dan Chicea, Editura Alma Mater, Sibiu, 2000, ISBN: 973-99974-6-5, 61 pg.	2.44	
		FIZICĂ – ÎNDRUMAR DE LABORATOR , Dan Chicea, Editura Universității Româno-Germane, Sibiu, 2001, 100 pg.	4	
		LUCRĂRI DE LABORATOR DE FIZICĂ GENERALĂ , Dan Chicea, Editura Universității “Lucian Blaga” din Sibiu, Noiembrie 2001, ISBN 973-651-342-4, 120 pg.	4.8	
		LUCRĂRI DE LABORATOR DE FIZICĂ NUCLEARĂ , Chicea Dan, Editura Universității “Lucian Blaga” din Sibiu, ISBN 973-651-436-6, 2002, 66 pg.	2.64	
		LUCRĂRI DE LABORATOR DE FIZICĂ ATOMICĂ Chicea Dan, Editura Universității “Lucian Blaga” din Sibiu, 2002, ISBN 973-651-503-6, 122 pg.	4.88	
		FIZICĂ NUCLEARĂ-APLICAȚII , Chicea Dan, Editura Universității “Lucian Blaga” din Sibiu, ISBN 973-739-174-8, 2005, 136 pg.	5.44	
		LUCRĂRI DE LABORATOR DE FIZICA SOLIDULUI , Răuciu Mihaela, Dan Chicea, Editura Universității “Lucian Blaga” din Sibiu, ISBN 973-739-191-8, 2005, 161 pg.	3.22	
		LUCRĂRI DE LABORATOR DE FIZICĂ PENTRU ÎNVĂȚĂMÂNT LA DISTANȚĂ SAU CU FRECVENȚĂ REDUSĂ , Dan Chicea, Editura “ALMA MATER”, ISBN: 978-973-632-505-1, 2009, 70 pg.	2.8	
		LUCRĂRI DE LABORATOR DE FIZICĂ ȘI BIOFIZICĂ , Chicea Dan, Editura Universității Lucian Blaga din Sibiu, ISBN: 978-606-12-0267-8, 2012, 90 pg.	3.6	

		METODE RADIOMETRICE : LUCRĂRI PRACTICE , Chicea Dan, Editura Universității "Lucian Blaga" din Sibiu, ISBN 978-606-12-0376-5 2012, 135 pg.	5.4	
		Total subcategorie 1.2.2	53.62	
1.3 Coordonare de programe de studii, organizare si coordonare programe de formare continua si proiecte educationale	Responsabil	Fizica-Chimie, autorizat in 1996, acreditat in 2003	15	15
		Fizica mediului, autorizat in 2011	15	
		Total 1.3 Coordonare programe de studii	30	
1.4 Dezvoltare de noi discipline	Titular	Prelucrarea datelor experimentale în Fizică	10	10
		Fizică Atomică și Moleculară	10	
		Fizică Cuantică	10	
		Fizică Nucleară	10	
		Spectroscopie nucleară și dozimetrie	10	
		Fizică Computațională	10	
		Metode radiometrice de expertiză și control a alimentelor	10	
		Biofizică	10	
		Nanomateriale și nanotehnologii	10	
		Total 1.4 Dezvoltare de noi discipline	90	
1.5 Proiecte educationale (ERASMUS, Leonardo etc.)			0	
		Total Activitatea didactica si profesionala (A1)	332.7	

Tip ul acti vitarilor	Denumiri si restrictii	Subcategorii		Titlul		kpi	Indicatori unitari
2	Activitatea de cercetare (A2)	2.1 Articole in Reviste cotate ISI Thomson Reuters si in volume indexate ISI Proceedings	2.1.1 Articole in Reviste cotate ISI Thomson Reuters	Articolul		Factoru l de impact (in anul aparitie i)	punctaj (30 + 10 * fact. impact)/ (nr.de autori) (Reviste)
				LOW INTENSITY NEUTRON EMISSION FROM TID_x SAMPLES UNDER NON-EQUILIBRIUM CONDITIONS , Dan Chicea, Dan Lupu, Fusion Technology , vol. 39, issue 1, pp.108-113, January 2001.	0.694	33.47	
				TESTING A NEW MULTIPLE LIGHT SCATTERING PHASE FUNCTION USING RWMCS , D. Chicea, I. Turcu, Journal of Optoelectronics and Advanced Materials, Vol. 8, No. 4, 1516-1519, August 2006.	1.138	35.69	

				RWMCS - AN ALTERNATIVE RANDOM WALK MONTE CARLO CODE TO SIMULATE LIGHT SCATTERING IN BIOLOGICAL SUSPENSIONS , Dan Chicea, Ioan Turcu, OPTIK-International Journal for Light and Electron Optics, Vol 118/5 pp 232-236, 2007, DOI information: 10.1016/j.ijleo.2006.02.008	0.507	32.535	
				RESULTS OF LIGHT SCATTERING DYNAMICS ANALYSIS OF BIOLOGICAL FLUIDS , Dan Chicea, Liana Maria Chicea, Journal of Optoelectronics and Advanced Materials vol. 9, no. 3, 694-697, March 2007.	1.138	35.69	
				ON MAGNETIC FLUID SYNTHESIS AND LIGHT SCATTERING ANISOTROPY PARAMETER , Dan Chicea, M. Răcuciu, Journal of Optoelectronics and Advanced Materials Vol. 9, No. 9, p. 2738 – 2742, September 2007.	1.106	35.53	
				SPECKLE SIZE, INTENSITY AND CONTRAST MEASUREMENT APPLICATION IN MICRON-SIZE PARTICLE CONCENTRATION ASSESSMENT , Dan Chicea, European Physical Journal Applied Physics vol. 40, pg.305-310 (2007), DOI: 10.1051/epjap:2007163	0.938	39.38	
				ON LIGHT SCATTERING ANISOTROPY OF BIOLOGICAL FLUIDS (URINE) CHARACTERIZATION Dan Chicea, L.M. Chicea, Romanian Journal of Physics, Volume 52, Numbers 3-4, pp 355-360, 2007.	0.33	31.65	
				BIOSPECKLE SIZE AND CONTRAST MEASUREMENT APPLICATION IN PARTICLE SIZING AND CONCENTRATION ASSESSMENT , Dan Chicea, Romanian Journal of Physics, Volume 52, Numbers 5-7, pp. 581-587, 2007.	0.33	33.3	
				ON THE EFFECTS OF LOW DOSES (0-1.2 GY) BETA RADIATION OF ZEA MAYS SEEDS ON 12 DAYS PLANTLETS , Dan Chicea, Mihaela Racuciu, Romanian Journal of Physics, Volume 52, Numbers 5-7, pp.632-640, 2007.	0.33	31.65	
				ON LOW CONCENTRATION AQUEOUS MAGNETIC FLUID LIGHT SCATTERING PROPERTIES , Dan Chicea, M. Răcuciu, Journal of Optoelectronics and Advanced Materials Vol. 9, No. 12, p. 3843 – 3846, December 2007.	1.106	35.53	
				COHERENT LIGHT SCATTERING ON NANOFUIDS - COMPUTER SIMULATION RESULTS , Dan Chicea, Applied Optics, Vol. 47, No. 10 April 1, pp. 1434-1442, 2008.	1.799	38.995	
				ON HEAVY METAL LEVELS VARIATION IN TARNAVA MARE RIVER DURING 2003 , Dan Chicea, Adriana Morariu, Mihaela Racuciu, Romanian Journal of Physics, Vol. 53, Nos. 1-2, pp. 165-170, 2008.	0.33	31.65	
				RESULTS OF ZEA MAYS SEEDS B IRRADIATION IN 0 - 5 GY RANGE , Dan Chicea, Mihaela Racuciu, Romanian Journal of Physics, Vol. 53, Nos. 1-2, pp 171-177, 2008.	0.33	31.65	
				MAGNETIC FLUID PARTICLE SIZING BY COHERENT LIGHT SCATTERING. COMPUTER SIMULATION RESULTS , Dan Chicea, Journal of Optoelectronics and Advanced Materials Vol. 10, No. 2, p. 264 – 268, February 2008.	1.106	35.53	
				HIGH ACCURACY PHOTOPYROELECTRIC INVESTIGATIONS OF DYNAMIC THERMAL PARAMETERS OF FLUIDS , Dorin Dadarlat, Camelia Neamtu, Mihaela Streza, Dan Chicea, Aurel Pasca, Journal of Optoelectronics and Advanced Materials Vol. 10, No. 2, p. 264 – 268, February 2008	1.106	35.53	
				COHERENT LIGHT SCATTERING ON RBCS - EXPERIMENTAL RESULTS AND POSSIBLE BIOMEDICAL APPLICATION , Dan Chicea,, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Vol. 10, No. 3, p. 689 – 692, March 2008.	1.106	41.06	
				NANOPARTICLE SIZING BY COHERENT LIGHT SCATTERING – COMPUTER SIMULATION RESULTS , Dan Chicea, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Vol. 10, No. 4, p. 813-818, April 2008.	1.106	41.06	
				APPLICATION OF WHOLE BLOOD COHERENT LIGHT SCATTERING DYNAMICS ANALYSIS , Dan Chicea, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Vol. 10, No. 8, p. 2163-2167 , July 2008.	1.106	41.06	
				RESULTS OF PHYSICAL AND CHEMICAL PARAMETERS MONITORING OF THE “RĂUL MARE” RIVER , Letitia Oprean, Dan Chicea, Eniko Gaspar, Ecaterina Lengyel, Romanian Journal of Physics, Vol. 53, Nos. 7-8, 2008, pp. 947-954.	0.33	30.825	
				STRUCTURAL INVESTIGATIONS OF SOME TRANSITIONAL METALS WITH HYSTIDINE AS LIGAND , A. MARCU, A. STANILA, M. RUSU, D. CHICEA, L. DAVID, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Vol. 10, No. 9, September 2008, p. 2351 – 2354	1.106	32.212	

				STUDIES ON STATIC AND DYNAMIC LIGHT SCATTERING PROPERTIES OF WATER BASED MAGNETIC FLUID , Dan Chicea, Mihaela Răcuciu, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Vol 10, No.12, Dec., 2008, p. 3317-3321.	1.106	35.53	
				AN ALTERNATIVE ALGORITHM TO CALCULATE THE BIOSPECKLE SIZE IN COHERENT LIGHT SCATTERING EXPERIMENTS , Dan Chicea, Romanian Journal of Physics, Vol. 54, Nos. 1-2, 2009, p147-157.	0.33	33.3	
				ON AQUEOUS Fe_3O_4 NANOFUID ROOM TEMPERATURE SYNTHESIS AND PHYSICAL PROPERTIES , D. Chicea, C. M. Goncea, Optoelectronics and Advanced Materials – Rapid Communications vol. 3, no. 3, march 2009, p. 185 – 189	0.451	32.255	
				ALTERNATIVE PHOTOPYROELECTRIC DETECTION METHOD OF PHASE TRANSITIONS IN FERROELECTRIC MATERIALS , D. Dadarlat, D. Chicea, N. Houriez, S. Delenclos, S. Longuemart, A. Hadj Sahraoui, Optoelectronics and Advanced Materials – Rapid Communications vol. 3, no. 4, april 2009, p. 323 - 325	0.451	30.752	
				REVEALING Fe_3O_4 NANOPARTICLES AGGREGATION DYNAMICS USING DYNAMIC LIGHT SCATTERING , D. Chicea, Optoelectronics and Advanced Materials – Rapid Communications vol. 3, no. 12, November 2009, p. 1299 – 1305	0.451	34.51	
				PROBING PARTICLE AGGREGATION IN AQUEOUS SUSPENSIONS BY LIGHT SCATTERING ANISOTROPY MEASUREMENTS , D. Chicea, Journal of Optoelectronics and Advanced Materials vol. 12, no. 1, January 20, 2010, p. 152 – 158	0.827	38.27	
				PROBING MAGNETIC FLUID NANOPARTICLE AGGREGATION IN AQUEOUS SUSPENSIONS BY COHERENT LIGHT SCATTERING ANISOTROPY MEASUREMENT , D. Chicea, Journal of Optoelectronics and Advanced Materials Vol. 12, No. 4, April 2010, p.858 - 863	0.827	38.27	
				NANOPARTICLES AND NANOPARTICLE AGGREGATES SIZING BY DLS AND AFM , D. Chicea, Optoelectronics and Advanced Materials – Rapid Communications vol. 4, issue 9, September 15, 2010, p. 1310 – 1315.	0.451	34.51	
				THE SYNTHESIS AND PROPERTIES OF MAGNETIC NANOPARTICLES COATED WITH BIOCOMPATIBLE COMPOUNDS , M.Răcuciu, D.E. Creangă, A.Airinei, D.Chicea, V. Bădescu, MATER SCI-POLAND Vol. 28 No:3, 2010, pp. 209-216	0.384	30.768	
				THE APPLICATION OF AFM FOR BIOLOGICAL SAMPLES IMAGING , D. Chicea, B. Neamtu, R. Chicea, L. M. Chicea, Digest Journal of Nanomaterials and Biostructures Vol. 5, No 4, October-December 2010, p. 1015-1022	1.75	34.375	
				INVESTIGATION OF $Fe(3)O(4)$ NANOPARTICLE AGGREGATION IN AQUEOUS SUSPENSIONS BY COHERENT LIGHT SCATTERING , Chicea D., JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Vol: 12 Issue: 11, P: 2208-2213, NOV 2010	0.412	34.12	
				A STUDY OF NANOPARTICLE AGGREGATION BY COHERENT LIGHT SCATTERING , Dan Chicea, Current Nanoscience, vol. 8 issue 6, pp. 259-265, 2012, doi: http://dx.doi.org/10.2174/157341312800167704	1.879	48.79	
				ASSESING Fe_3O_4 NANOPARTICLE SIZE BY DLS, XRD AND AFM , D. CHICEA, E. INDREA, C. M. CRETU, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Vol: 14 Issue: 5-6, pp: 460-466, June 2012.	0.412	31.373	
				HSA PARTICLE SIZE CHARACTERIZATION BY AFM , D. Chicea, Radu Chicea, Liana Maria Chicea, Romanian Reports in Physics, Vol. 65, No. 1, P. 178–185, 2013	1.123	33.743	
				REVEALING Fe_3O_4 NANOPARTICLE AGGREGATION IN AQUEOUS SUSPENSION BY NONCONVENTIONAL OPTICAL METHODS , D. CHICEA, Journal of Optoelectronics And Advanced Materials Vol. 15, No. 9 - 10, p. 982 – 988, September – October 2013.	0.516	35.16	
			2.1.2 Articole in volume indexate ISI Proceedings	Articolul		punctaj	25/(nr.de autori) (Proceedings)
			1	Chicea, Dan, Monitoring Nanoparticle Aggregation by Optical Procedures,TIM 2012 PHYSICS CONFERENCE,AIP Conference Proceedings,12th TIM Physics Conference of the West-University-of-Timisoara,NOV 27-30, 2012,Timisoara, ROMANIA,W Univ Timisoara, Romanian Phys Soc, W Univ Timisoara, Fac Phys,Bunoiu, M; Biris, CG; Avram, N,0094-243X,978-0-7354-1192-0,2013		25	

			2	Chicea, Dan, A Monte Carlo Simulation of Light Scattering on Biological Suspensions with Bigger Optical Depth,PROCEEDINGS OF THE PHYSICS CONFERENCE TIM - 11,AIP Conference Proceedings,Physics Conference TIM - 11,NOV 24-27, 2011,Timisoara, ROMANIA,W Univ Timisoara, Fac Phys, W Univ Timisoara,Bunoiu, M; Avram, N; Biris, CG,0094-243X,978-0-7354-1079-4,2012	25	
			3	Chicea, Dan; Chicea, Liana Maria; Chicea, Radu,Imaging Human Serum Albumin,PHYSICS CONFERENCE (TIM-10),AIP Conference Proceedings,Physics Conference (TIM),NOV 25-27, 2010,Timisoara, ROMANIA,W Univ, Fac Phys,Bunoiu, M; Malaescu, I,0094-243X,978-0-7354-0951-4,2011	8.3333	
			4	Chicea, Dan, Measuring very small concentrations in organic suspensions by coherent light scattering,ROMOPTO 2009: NINTH CONFERENCE ON OPTICS: MICRO- TO NANOPHOTONICS II,Proceedings of SPIE-The International Society for Optical Engineering,9th Conference on Optics - Micro- to Nanophotonics II,AUG 31-SEP 03, 2009,Sibiu, ROMANIA,Romanian Acad, Division Phys, Natl Inst Laser, Plasma & Radiation Phys, INOE 2000-Natl Inst Res & Dev Optoelectron, Romanian Physical Soc, Div Opt & Quantum Electron, Romanian Territorial Committee ICO, Lucian Blaga Univ Sibiu, Opt Soc Amer, European Opt Soc, Univ Bucharest, Faculty Phys, Politechnica Univ Bucharest, SPIE,Vlad, VI,0277-786X,978-0-8194-7759-0,2010	25	
			5	Chicea, Dan, Investigating nanoparticle aggregation dynamics in an aqueous magnetic fluid by light scattering anisotropy,ROMOPTO 2009: NINTH CONFERENCE ON OPTICS: MICRO- TO NANOPHOTONICS II,Proceedings of SPIE,9th Conference on Optics - Micro- to Nanophotonics II,AUG 31-SEP 03, 2009,Sibiu, ROMANIA,Romanian Acad, Division Phys, Natl Inst Laser, Plasma & Radiation Phys, INOE 2000-Natl Inst Res & Dev Optoelectron, Romanian Physical Soc, Div Opt & Quantum Electron, Romanian Territorial Committee ICO, Lucian Blaga Univ Sibiu, Opt Soc Amer (OSA), European Opt Soc, Univ Bucharest, Fac Phys, Politechnica Univ Bucharest, SPIE,Vlad, VI,0277-786X,978-0-8194-7759-0,2010	25	
			6	Chicea, Dan, Using CHODIN to simulate the dynamics of coherent light scattering on nanofluids,ROMOPTO 2009: NINTH CONFERENCE ON OPTICS: MICRO- TO NANOPHOTONICS II,Proceedings of SPIE,9th Conference on Optics - Micro- to Nanophotonics II,AUG 31-SEP 03, 2009,Sibiu, ROMANIA,Romanian Acad, Division Phys, Natl Inst Laser, Plasma & Radiation Phys, INOE 2000-Natl Inst Res & Dev Optoelectron, Romanian Physical Soc, Div Opt & Quantum Electron, Romanian Territorial Committee ICO, Lucian Blaga Univ Sibiu, Opt Soc Amer (OSA), European Opt Soc, Univ Bucharest, Fac Phys, Politechnica Univ Bucharest, SPIE,Vlad, VI,0277-786X,978-0-8194-7759-0,2010	25	
			7	Chicea, D.; Chicea, R.; Chicea, L. M.,Using DLS for Fast Urine Sample Analysis,TIM-09: PROCEEDINGS OF THE PHYSICS CONFERENCE,AIP Conference Proceedings,Physics Conference (TIM 2009),NOV 27-28, 2009,Timisoara, ROMANIA,W Univ Timisoara,Bunoiu, M; Malaescu, I,0094-243X,978-0-7354-0810-4,2010	8.3333	
			8	Chicea, Dan, CHODIN - A computer code to simulate coherent light scattering dynamics on biological suspensions,INDLAS 2007: INDUSTRIAL LASER APPLICATIONS,Proceedings of SPIE,Conference on Industrial Laser Applications (INDLAS 2007),MAY 23-25, 2007,Bran, ROMANIA,Natl Inst Lasers, Plasma & Radiat Phys, Romanian Acad, SPIE Romania Chap, Romanian Phys Soc, ICO, Romanian Territorial Committee, Natl Inst Res & Dev Optoelectron, Univ Bucharest, Univ Polytech Bucharest, Minist Educ & Res, Coherent, Ekspla,Udrea, M,0277-786X,978-0-8194-7217-5,2008	25	
			9	Chicea, Dan, Application of whole blood image speckle analysis,INDLAS 2007: INDUSTRIAL LASER APPLICATIONS,Proceedings of SPIE,Conference on Industrial Laser Applications (INDLAS 2007),MAY 23-25, 2007,Bran, ROMANIA,Natl Inst Lasers, Plasma & Radiat Phys, Romanian Acad, SPIE Romania Chap, Romanian Phys Soc, ICO, Romanian Territorial Committee, Natl Inst Res & Dev Optoelectron, Univ Bucharest, Univ Polytech Bucharest, Minist Educ & Res, Coherent, Ekspla,Udrea, M,0277-786X,978-0-8194-7217-5,2008	25	
			10	Chicea, D., Using RWMCS to test different multiple light scattering phase functions for biological suspensions - art. no. 67851K,ROMOPTO 2006: Eighth Conference on Optics,PROCEEDINGS OF THE SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS (SPIE),8th Conference on Optics,SEP 04-07, 2006,Sibiu, ROMANIA,Romanian Phys Soc, Div Opt & Quantum Elect, SPIE Romanian Chapter,Vlad, VI,0277-786X,978-0-8194-6949-6,2007	25	
			11	Chicea, Dan, Results of sediment motion visualization by a modified LASCA technique - art. no. 67851O,ROMOPTO 2006: Eighth Conference on Optics,PROCEEDINGS OF THE SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS (SPIE),8th Conference on Optics,SEP 04-07, 2006,Sibiu, ROMANIA,Romanian Phys Soc, Div Opt & Quantum Elect, SPIE Romanian Chapter,Vlad, VI,0277-786X,978-0-8194-6949-6,2007	25	
			12	Chicea, Dan, Results of biospeckle dynamics computer simulation,Six International Conference of the Balkan Physical Union,AIP CONFERENCE PROCEEDINGS,6th International Conference of the Balkan-Physical-Union,AUG 22-26, 2006,Istanbul, TURKEY,Balkan Phys Union, Turkish Phys Soc, Istanbul Univ, Yildiz Tech Univ, Bogaz Univ, Dogus Univ, European Phys Soc, Govt Istanbul, Istanbul Metropolitan Municipal, Turkish Atomic Energy Author, Sci & Technol Res Council Turkey, United Natl Educ Sci & Cultutal Org, NEL Elektronik,Cetin, SA; Hikmet, I,0094-243X,978-0-7354-0404-5,2007	25	

			13	Chicea, Dan; Chicea, Liana Maria, A possible application of coherent light scattering on biological fluids, Six International Conference of the Balkan Physical Union, AIP CONFERENCE PROCEEDINGS, 6th International Conference of the Balkan-Physical-Union, AUG 22-26, 2006, Istanbul, TURKEY, Balkan Phys Union, Turkish Phys Soc, Istanbul Univ, Yildiz Tech Univ, Bogaz Univ, Dogus Univ, European Phys Soc, Govt Istanbul, Istanbul Metropolitan Municipal, Turkish Atomic Energy Author, Sci & Technol Res Council Turkey, United Natl Educ Sci & Cultutal Org, NEL Elektronik, Cetin, SA; Hikmet, I, 0094-243X, 978-0-7354-0404-5, 2007	12.5		
			14	Chicea, Dan, On biospeckle size analysis technique in particle concentration and size assessment, Six International Conference of the Balkan Physical Union, AIP CONFERENCE PROCEEDINGS, 6th International Conference of the Balkan-Physical-Union, AUG 22-26, 2006, Istanbul, TURKEY, Balkan Phys Union, Turkish Phys Soc, Istanbul Univ, Yildiz Tech Univ, Bogaz Univ, Dogus Univ, European Phys Soc, Govt Istanbul, Istanbul Metropolitan Municipal, Turkish Atomic Energy Author, Sci & Technol Res Council Turkey, United Natl Educ Sci & Cultutal Org, NEL Elektronik, Cetin, SA; Hikmet, I, 0094-243X, 978-0-7354-0404-5, 2007	25		
			Total 2.1 Articole in Reviste cotate ISI Thomson Reuters si in volume indexate ISI Proceedings			1533.9	
		2.2 Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale	Articolul			punctaj	15/(nr.de autori)
			1	EXPERIMENTAL EVIDENCE OF NEUTRON EMISSION FROM TIDX SAMPLES, Dan Chicea, D. Lupu, I. Chereji, Hadronic Journal Vol. 21, pp. 567-582, 1998., http://www.hadronicpress.com/hadronic_journal.htm	5		
			2	RESULTS OF SEM ANALYSIS ON DIFFERENT METAL SURFACES AFTER HYDROGEN ABSORPTION, Dan Chicea, Hadronic Journal, Volume 25, Number 4, pp.443-458, August 2002, http://www.hadronicpress.com/hadronic_journal.htm	15		
			3	<i>Using Chodín to Simulate Coherent Light Scattering Dynamics on Biological Suspensions</i> , Dan Chicea, Radu Chicea, Liana Maria Chicea, ROMANIAN J. BIOPHYS., Vol. 20, No. 2, P. 157-170, 2010	5		
			4	<i>Using Dynamic Light Scattering Particle Sizing as A Fast Screening Procedure for Urine Sample Analysis</i> , Dan Chicea, Radu Chicea, Liana Maria Chicea, ROMANIAN J. BIOPHYS., Vol. 20, No.3, P. 257-267, 2010	5		
			5	<i>A Coherent Light Scattering Procedure to Measure Very Small Concentration of Organic Suspension In Natural Water</i> , Dan Chicea, Transylvanian Review of Systematical and Ecological Research vol 14, nr. 2, pp. 1-8, 2012.	15		
			6	<i>Estimating Particle Concentration in Natural Water by Speckle Contrast</i> ; Dan CHICEA, Transylvanian Review of Systematical and Ecological Research vol 15.1, nr. 2, pp. 1-10, 2013.	15		
			7	<i>Estimating Particle Concentration in Natural Water by Far Field Speckle Intensity</i> ; Dan CHICEA and Liana-Maria CHICEA, Transylvanian Review of Systematical and Ecological Research vol 15.2, pp:1-8, 2013.	7.5		
			8	<i>Estimating wine yeast concentration by speckle size measurement</i> , Dan CHICEA, Ovidiu Tița, Mihaela Tița, Ecaterina Lengyel, Acta Universitatis Cibiniensis Series E: Food Technology, vol.17, no.1, pp:3-12, 2013, DOI: 10.2478/auaft-2013-0001	3.75		
			9	<i>Estimating Particle Concentration in Natural Water by Speckle Size Measurement</i> , Dan Chicea, Proc. of 11th International Conference on Environment, Ecosystems and Development (EED '13), Brașov, Romania, June 1-3, 2013, pp.156-161, ISBN: 978-1-61804-195-1.	15		
			10	<i>Water Suspension Analysis by Modified Dynamic Light Scattering</i> , Dan Chicea, Proc. of 11th International Conference on Environment, Ecosystems and Development (EED '13), Brașov, Romania, June 1-3, 2013, pp.40-49, ISBN: 978-1-61804-195-1.	15		
			Total 2.2 Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale			101.25	
		2.3 Articole in extenso in Reviste/Proceedings nationale/internationale neindexate	Articolul			punctaj	6/(nr.de autori)
				<i>CALORIMETRY RESULTS OF ELECTROLYSIS EXPERIMENTS WITH DIFFERENT CATHODES</i> , Dan Chicea, Journal of New Energy, Vol. 6, No. 3, pp.4-17, 2002.	6		
				<i>COMMENT ON POST-HYDROGEN ABSORPTION, NICKEL SURFACE, S.E.M. ANALYSIS RESULTS</i> , Dan Chicea, Journal of New Energy, volume 7, pp. 48-54, number 1, 2003.	6		
			Total 2.3 Articole in extenso in Reviste/Proceedings nationale/internationale neindexate			12	

							0		
		2.4 Proprietate intelectuala, brevete de inventie si inovatie, etc.							
		2.5 Granturi/proiecte castigate prin competitie	2.5.1 Director/responsabil	2.5.1.1 internationale				20* val/ (10 mii € *nr ani)	
				<i>AN IMPROVED ALGORITHM FOR EVENT TIMING</i> , NIKHEF Amsterdam, The Netherlands, TEMPUS Program	Director	68			
				<i>STUDIES ON NATURAL METALLIC URANIUM CHANGES PRODUCED BY HYDROGEN</i> , Portland State University, U.S.A.	Responsabil	64.8			
				2.5.1.2 nationale					
				<i>STUDII ASUPRA CONCENTRAȚIEI DE METALE GRELE ȘI DE ELEMENTE RADIOACTIVE ÎN SOL ȘI APĂ FREATICĂ ȘI A ACUMULĂRII LOR ÎN PLANTE</i> , grant CNCSIS, Nr.18/2000.	Director	1		10* val/ (10 mii € *nr ani)	
				Proiectul POSDRU 159/1.5/S/133255, titlul Proiectului „Burse Universitare în România prin Sprijin European pentru doctoranzi și post-doctoranzi (BURSE DOC-POSTDOC)”	Responsabil	95.24			
			2.5.2 Membru in echipa	2.5.2.1 internationale				4*nr.ani participare in proiect	
				<i>THE “KIT” PROJECT</i> , Nuclear Engineering Dept., University of Illinois at Urbana Champaign, U.S.A., 1999-2000	Membru	2			
				H2020-2014-MSCA-NIGHT (Researchers' night 2014- 2015)		8			
				2.5.2.2 nationale				2*nr.ani participare in proiect	
				<i>STUDII ASUPRA RADONULUI SI THORONULUI SIN SOL, AER, APA SI MATERIALE DE CONSTRUCȚIE: DOZIMETRE PERSONALE ȘI MĂSURĂTORI RETROSPECTIVE</i> , grant CNCSIS.	Membru	4			
				<i>TEHNOLOGII MODERNE NECONVENȚIONALE, CONFORME CU REGLEMENTĂRILE EUROPENE, DE EPURARE A APELOR UZATE ȘI TRATARE A NĂMOLULUI REZIDUAL ÎN SCOPUL REUTILIZĂRII ACESTUIA</i> , CEEX, 2006-2008.	Membru	6			
				Armonizarea valențelor românești cu cele ale comunității europene, program POSDRU/CPP107/DML5/S/76851	Membru, expert pe termen lung	6			
				Total 2.5 Granturi/proiecte castigate prin competitie		255.04			
		2.6 Coordonare/ dezvoltare laborator/ centru cercetare	Denumire laborator			Responsabil		40	
			Prelucrarea datelor experimentale în Fizică, laborator			iniintare si dezvoltare	40		
			Fizică Atomică și Moleculară, laborator			iniintare si dezvoltare	40		
			Fizică Nucleară, laborator			iniintare si dezvoltare	40		
			Fizică Computațională, laborator			iniintare si dezvoltare	40		
			Metode radiometrice de expertiză și control a alimentelor - laborator			iniintare si dezvoltare	40		

				Biofizică, laborator	infiintare si dezvoltare	40	
				Centrul de cercetare pentru medicina respiratorie si pediatria	Director	40	
				Total 2.6 Coordonare/ dezvoltare laborator/ centru cercetare		280	
				Total Activitatea de cercetare (A2)		2182.2	

Tipul activitatilor	Denumiri si restrictii	Categoriile si restrictii	Subcategoriile	Titlul articolului	Articolul care citeaza	kpi	Indicatori unitari
3	Recunoasterea activitatii (A3)	3.1 Citări in reviste ISI si BDI	3.1.1 ISI (fara autocitari, selectie. Raportul asupra citarilor ISI este pe Cd, in format electronic)				10/ nr. Autori articol citat
				A Study of Nanoparticle Aggregation by Coherent Light Scattering, By: Chicea, Dan, CURRENT NANOSCIENCE Volume: 8 Issue: 2 Pages: 259-265 Published: APR 2012	LIGHT INTENSITY MEASUREMENTS OF COLLOIDAL STABILITY OF Fe ₃ O ₄ PARTICLES IN AQUEOUS SUSPENSIONS FOR BIOMEDICAL APPLICATIONS, By: Singh, V.; Sharma, M., MAGNETOHYDRODYNAMICS Volume: 49 Issue: 3-4, Special Issue: SI Pages: 582-585 Published: JUL-DEC 2013	10	
				Investigation of Fe ₃ O ₄ nanoparticle aggregation in aqueous suspensions by coherent light scattering, By: Chicea, D., JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 12 Issue: 11 Pages: 2208-2213 Published: NOV 2010	Gelatin-hydroxyethyl cellulose magnetic microparticles as drug carriers: preparation and characterization, By: Balaita, L.; Peptu, C. A.; Postolache, P.; et al., JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 14 Issue: 11-12 Pages: 1023-1033 Published: NOV-DEC 2012	10	
					Preparation of alpha-Fe ₂ O ₃ nanostructures via simple ultrasound-assisted method, By: Hasanzadeh, J.; Azizian-Kalandaragh, Y.; Khodayari, A., JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 14 Issue: 5-6 Pages: 473-477 Published: MAY-JUN 2012	10	
				Nanoparticles and nanoparticle aggregates sizing by DLS and AFM, By: Chicea, D., OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS Volume: 4 Issue: 9 Pages: 1310-1315 Published: SEP 2010	Nanoformulated Antibiotics: the Next Step for Pathogenic Bacteria Control, By: Marques Saude, Amanda Caroline; Cherobim, Mariana Dornelles; Amaral, Andre Correa; et al., CURRENT MEDICINAL CHEMISTRY Volume: 20 Issue: 10 Pages: 1232-1240 Published: APR 2013	10	
					Quantification of purine basis in their mixtures at femto-molar concentration levels using FT-SERS, By: Ranc, Vaclav; Hruzikova, Jana; Maitner, Kamil; et al., JOURNAL OF RAMAN SPECTROSCOPY Volume: 43 Issue: 8 Pages: 971-976 Published: AUG 2012	10	
				Coherent light scattering on nanofluids: computer simulation results, By: Chicea, Dan, APPLIED OPTICS Volume: 47 Issue: 10 Pages: 1434-1442 Published: APR 1 2008	Study on Photothermal Stability and Photothermal Conversion Characteristics of Carbon Nanotube Nanofluids, By: Song, Ling-Li; Zhang, Chunyuan; Zhang, Ren-Yuan; et al., ADVANCED SCIENCE LETTERS Volume: 4 Issue: 11-12 Pages: 3666-3668, Published: NOV-DEC 2011	10	

					Application of dynamic speckle methods to study thermal denaturation of the albumin, By: Li, Xinzhong; Tai, Yuping; Nie, Zhaogang; et al., OPTICA APPLICATA Volume: 41 Issue: 3 Pages: 579-591 Published: 2011	10	
					Application of dynamic speckle method using in sedimentation process of silver chloride, By: Li, Xinzhong; Tai, Yuping; Nie, Zhaogang, OPTIK Volume: 122 Issue: 23 Pages: 2155-2157 Published: 2011	10	
					Application of dynamic speckle method using in sedimentation process of silver chloride, By: Li, Xinzhong; Tai, Yuping; Zhen, Zhiqiang; et al., Edited by: Goncalves Jr, AA; Kaufmann, GH, Conference: Conference on Speckle 2010 - Optical Metrology Location: Florianopolis, BRAZIL Date: SEP 13-15, 2010, SPECKLE 2010: OPTICAL METROLOGY Book Series: Proceedings of SPIE-The International Society for Optical Engineering Volume: 7387 Article Number: 73871N Published: 2010	10	
					Optical properties of liquids for direct absorption solar thermal energy systems, By: Otanicar, Todd P.; Phelan, Patrick E.; Golden, Jay S., SOLAR ENERGY Volume: 83 Issue: 7 Pages: 969-977 Published: JUL 2009	10	
					Total 3.1 Citări in reviste ISI si BDI	100	
		3.2 Prezentari invitate in plenul unor manifestar i stiintifice nationale si internation ale și Profesor invitat	3.2.1 Internationale (selectie)	Conferinta			20
					<i>SEARCH FOR VERY LOW ENERGY NUCLEAR REACTIONS IN METAL-HYDROGEN ISOTOPES SYSTEMS</i> , Dan Chicea, seminar, DEPARTMENT OF NUCLEAR, PLASMA, AND RADIOLOGICAL ENGINEERING, UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN, Septembrie 14, 1999, room 100, Metallurgy & Mining Building, 4:00 pm.	20	
					<i>COMMENTS ON AN INTERESTING EXPERIMENTAL FEATURE IN ELECTROLYSIS LOADING EXPERIMENTS</i> International Symposium on New Energy October 26-27 2001, Quality Inn City Center, Salt Lake City, USA, ora 11:00 am.	20	
					Dan CHICEA <i>A MONTE CARLO SIMULATION OF LIGHT SCATTERING ON BIOLOGICAL SUSPENSIONS WITH BIGGER OPTICAL DEPTH</i> , International Conference TIM 11, November 2011, Timisoara, Romania	20	
					Total 3.2 Prezentari invitate in plenul unor manifestari stiintifice nationale si internationale și Profesor invitat	60	
		3.3 Membru in colectivele de redactie sau comitete stiintifice al revistelor si manifestar ilor stiintifice/ Recenzent	3.3.1 Reviste ISI (Recenzent), selectie, ultimii 2 ani	Revista			10

				AIP Conference Proceedings Volume 1472, 2011, http://proceedings.aip.org/resource/2/apcpcs/1472/1/1_1?isAuthorized=no ,recenzor	10		
				Optical Engineering, 2012, http://spie.org/x867.xml ,recenzor	10		
				Journal of Hazardous Materials, 2012, http://www.journals.elsevier.com/journal-of-hazardous-materials/ ,recenzor	10		
				Materials Research,2013, http://www.scielo.br/scielo.php?script=sci_serial&pid=1516-1439&lng=en&nrm=iso ,recenzor	10		
				Optical Engineering,2013, http://spie.org/x867.xml ,recenzor	10		
				Optics Letters,2013, http://www.opticsinfobase.org/ol/issue.cfm ,recenzor	10		
				Total 3.3 Membru in colectivele de redactie sau comitete stiintifice al revistelor, recenzent	60		
			3.4 Experienta de management, analiza si evaluare in cercetare si/sau invatamant	Functia	Durata, ani		
			3.4.1 Conducere	Sef catedra de Fizica	12	60	5* ani de desfasurare
			3.4.1 Membru (selectie)	ARACIS, evaluator, Comisia 1 - stiinte exacte si stiinte ale naturii, http://pfe.aracis.ro/inscriere/registru/lista_c/1/0/a/html/	4	8	2* ani de desfasurare
				Total 3.4 Experienta de management, analiza si evaluare in cercetare si/sau		68	
			3.5 Premii	Total		0	
			3.6 Membru in academii, organizatii, asociatii profesionale de prestigiu, nationale si internationale	3.6.4 Asociatii profesionale	3.6.4.1 internationale (selectie)	Denumirea societatii	5
						Member of the European Physical Society	5
						Member of the Nanosociety, USA	5
				3.6.4.2 nationale			3
						Member of the Romanian Physical Society	3
						Total 3.6.4 Asociatii profesionale	13
						Total Recunoasterea activitatii (A3)	301

Sinteza – Îndeplinirea condițiilor minime

Nr. Crt	Domeniul de activitate	Condiții Profesor	Punctaj realizat
1	Activitatea didactică / profesională (A1)	Minim 130 puncte	332.7
2	Activitatea de cercetare (A2)	Minim 230 puncte	2182.18
3	Recunoașterea impactului activității (A3)	Minim 70 puncte	301
	Total	Minim 430 puncte	2815.88

Prof. Dr. Ing. Dan Chicea