

A1. Activitatea didactică și profesională

1.1 . Carti/capitole ca autor/editor, în edituri naționale sau internaționale

Nr. crt.	Autori, denumire, editura, isbn, nr.pagini
1	<i>I. Fuiorea</i> - Materiale Compozite. Proiectarea Răspunsului Mecanic, Ed. Pan Publishing House, București, 1995, (210 pagini)
2	<i>I. Fuiorea</i> - Metoda Elementului Finit pentru Structuri Aeroelastice. Editura Academiei Tehnice Militare, Buc. 1998, (350 pagini)
3	I.Manole, V. Stanciu, <i>I.Fuiorea</i> , O. Manole - Istoria Învățământului Superior Ingineresc Aerospațial din România. Editura MEDIA Uno, București, 2001, (450 pag)
Total:	
Nr. crt.	Autori, denumire, editura, isbn, nr.pagini
1	D. Ionescu, S. Ștefan, <i>I. Fuiorea</i> - Mecanică teoretică . Dinamica, Ed. Academiei Militare, Buc. 1988. (244 pagini)
3	D. Ionescu, P. Lixandru, Șt. Sterie, <i>I. Fuiorea</i> - Complemente de mecanică. Editura Academiei Tehnice Militare, Buc., 1997. (266 pagini)
Total:	
Nr. crt.	Autori, denumire, editura, isbn, nr.pagini
1	D. Ionescu, S. Ștefan, <i>I. Fuiorea</i> I. Lazăr - Culegere de probleme de mecanică. Statica, Ed. Academiei Militare, Buc. 1990. (268 pagini)
2	D. Ionescu, S. Ștefan, <i>I. Fuiorea</i> I. Lazăr - Culegere de probleme de mecanică. Cinematica, Ed. Academiei Militare, Buc. 1991. (292 pagini)
3	D. Ionescu, S. Ștefan, <i>I. Fuiorea</i> I. Lazăr - Culegere de probleme de mecanică. Dinamica -volumul I. Ed. Academiei Militare, Buc. 1992. (299 pagini)
4	D. Ionescu, S. Ștefan, <i>I. Fuiorea</i> I. Lazăr - Culegere de probleme de mecanică. Dinamica -volumul II. Ed. Academiei Militare, Buc. 1993. (347 pagini)
5	D. Ionescu, S. Ștefan, <i>I. Fuiorea</i> I. Lazăr - Culegere de probleme de mecanică analitică. Ed. Academiei Militare, Buc. 1994. (363 pagini)

A2. Activitatea de cercetare

Nr. crt.	Autori, titlu, revista, WOS
1	Sprintu Iuliana, Ion Fuiorea, <i>Analitical Solutions of the Mechanical Answer of Thin Orthotropic Plates</i> , Proceedings of the Romanian Academy-Series A: Mathematics, Physics, Technical Sciences, Information Sciences, Vol. 14, nr. 4, pp 343-350
2	Ion Fuiorea, W Tiu, <i>Decoupling Effects – A Novel Method for Composites Characterisation</i> , Proceedings of the Romanian Academy-Series A: Mathematics, Physics, Technical Sciences, Information Sciences, Vol. 12, nr. 1, pp 343-350
3	Ion Fuiorea, Dumitrita Gabor, Iuliana Sprintu, <i>A new Mathematical Model for Composite Plates</i> , 16th International Conference on Knowledge-Based Organisation, Conference Proceedings 3 Book Series: pg. 71 -77
4	Dumitrita Gabor, Ion Fuiorea, <i>Failure Criteria for Composites in Light Aircraft Armours</i> , 16th International Conference on Knowledge-Based Organisation, Conference Proceedings 3 Book Series: pg. 423 -42
5	Constantinescu Adrian, Bertram Voker, Ion Fuiorea, <i>Wedge Shapped Shell Structure Impacting Water Surface</i> , Conference of the ASME Vessels and Piping, Vol 4, Series: Pressure Vessel and Piping Division of the American Society of Mechanical Engineers, pag 55 - 62
6	Pislaru-Danescu L., Morega A., Popa M., Morega M., Chihai R., Bunea F., Fuiorea I., Lica F., Dumitrita G., Popescu I, <i>New Type of Piezoelectric Circular Motor Conceived for Outer Space Applications</i> , IEE IEEE Transaction on Dielectrics and Electrical Insulation, Impact Factor: 1.278
7	Pislaru-Danescu L., Morega A., Popa M., Morega M., Chihai R., Bunea F., Fuiorea I., Lica F., Dumitrita G., Popescu I, <i>New Type of Magnetostrictive Linear Motor Conceived for Outer Space Applications</i> , IEE IEEE Transaction on Magnetics, Impact Factor: 1.386
8	Albert ARNAU CUBILLO, Ion FUIOREA, <i>Numerical Estimation of Mechanical Characteristics of an Unidirectional Composite Ply and Study of the Solution Convergence</i> - VII International Conference on Textile Composites and Inatable Structures STRUCTURAL MEMBRANES 2015 E. O~nate, K.-U.Bletzinger and B. Kr oplin (Eds), Im fact 1
9	Boscoianu Mircea, Pahonie Radu, Rotaru Constantin, Fuiorea Ion and Popoviciu Nicolae, <i>A Method to Predict the Flapping Wing MAV Global Aerodynamic Performances</i> 190, Proceedings of the 6 th IASME/WESEAS International Conference on Fluid Mechanics and Aerodynamics (FMA'8), Rhodes, Greece, 2008
10	A Constantinescu, I Fuiorea, A Nême, V Bertram, M Salas, <i>Hydro-elastic numeric analyses of a wedge-shaped shell structure impacting a water surface</i> , Latin American applied research 38 (1), 35-43, 2008
11	IS VINTILĂ, MR CONDRUZ, I FUIOREA, I MĂLĂEL, M SIMA, <i>Composite Wind Turbine Blade using Prepreg Technology</i> , 6th CEAS Air & Space Conference Proceeding 5, 2021
12	M Casapu, I Fuiorea, M Arrigoni, <i>Experimental Characterization of Internal Structure and Physical Properties of Unidirectional Ply-Level Hybrid Carbon Composite Material</i> , Advanced Engineering Materials, 2201447, 2023
13	Maria Casapu, Ion Fuiorea, Michel Arrigoni, <i>Damage assessment through cyclic load-unload tensile tests for ply-level hybrid carbon fiber composites</i> , Express Polymer Letters, 18, 1, 41-60 (2024),

14	Maria Casapu, Alexandru Cătălin Casapu, Michel Arrigoni, Ion Fuiorea, <i>Laser-induced Shockwaves for Damage Assessment and Characterization at High Strain Rates in the Fiber Direction of Unidirectional Composites</i> , Materials Letters, 136083 (2024)
15	Influence of External Store Distribution on the Flutter Characteristics of the Romanian IAR-99 HAWK Aircraft, eng. Tudor VLADIMIRESCU, Prof. Dr. eng. Ion FUIOREA, eng. Tudor VLADIMIRESCU-jr, Prof. Dr. Grigore Cican, (Published in: Processes an Open Acces Journal by MDPI, 2025 Volume 13, Issue 10, 3065)

Brevete Invenții

Nr. crt.	Autori, nr. brevet.
1	I. Fuiorea - Metodă Iterativă de Determinare Experimentală a Modulului de Elasticitate la Forfecare pentru Materiale Anizotrope cu Fibre Lungi
2	I. Fuiorea - Metoda de Determinare a Coeficientului Mixt din Criteriul Tsai-Wu de Rezistența la Rupere a Materialelor Compozite Cu Fibre Lungi
3	Pîslaru Dănescu Lucian, Popa Marius, Morega Alexandru-Mihail, Fuiorea Ion, Flore Lica, Gabor Dumitrița – Motor piezoelectric rotativ

Nr. crt.	Autori, titlu, revista
1	I Fuiorea, V Nastasescu, <i>Macromechanical Model for a Complex Regular Structure</i> , Buletinul Științific al Universității Zrinyi Miklos, Budapesta
2	I Fuiorea, V Nastasescu, <i>Estimation Method of the Effects of Kinetic Projectiles with Targets</i> , Buletinul Științific al Universității Zrinyi Miklos, Budapesta
3	I Fuiorea, <i>A point of view regarding the skin-stiffeners connection modelling for aircraft structures</i> , Buletinul științific al Universității Tehnice a Moldovei, “Meridian Engineering”
4	E. Avram, I. Fuiorea, A. Camerzan, C Todirică, <i>Etașări magnetohidrodinamice</i> , Buletinul științific al Universității Tehnice a Moldovei, “Meridian Engineering”
5	A Constantinescu, I Fuiorea, A Neme, V Bertram, M Salas, <i>Hydroelastic Numeric Analysis of a Wedge-Shaped Shell structure Impacting a water</i> , Latin American Applied Research
6	I Fuiorea, D Bartiș, R Nedelcu, F Frunzulică, <i>Numerical Models For Fatigue Crack Evolution Study</i> , INSTITUTE OF AVIATION, WARSAW, POLAND, Fatigue of Aircraft Structures, Monographic Series
7	I Fuiorea, D Bartiș, R Nedelcu, A Mocanu, <i>The Rivet Parameter Influence In Fatigue Strength</i> , INSTITUTE OF AVIATION, WARSAW, POLAND, Fatigue of Aircraft Structures, Monographic Series
8	ARNAU CUBILLO, Albert; PÎSLARU-DĂNESCU, Lucian; FUIOREA, Ion; LIPCINSKI, Daniel, <i>Behaviour Analysis of the Lead-Zirconate-Titanate (PZT) Piezo-Actuator for Different Wave Excitation. A Comparative Study</i> , Electrotehnica, Electronica, Automatica

9	MARMUREANU, Marius Ionut; FUIOREA, Ion, <i>Attitude Dynamics of a Spinning Rocket with Internal Fluid Whirling Motion</i> , INCAS BULLETIN, 2014; 6(2) 75–83 ICID: 1109166
10	MARMUREANU, Marius Ionut; FUIOREA, Ion., <i>High Performance Engineering Solutions</i> INCAS Bulletin . 2014, Vol. 62014
11	MARMUREANU, Marius Ionut; FUIOREA, Ion, <i>Attitude Dynamics of a Spinning Rocket with Internal Fluid Whirling Motion</i> , INCAS Bulletin . 2014, Vol. 6 Issue 2, p75-83.
12	Dragos George SANDU, Ion FUIOREA, Teodor Lucian GRIGORIE, <i>INS/GPS Synergic Navigator With Kalman Filtering</i> , U.P.B. Sci. Bull., Series D, Vol. 76, Iss. 2, 2014 ISSN 1454-2358
13	I FUIOREA, D GABOR, <i>Experimental Validation Of Tsai-Wu Failure Criteria</i> , INCAS Bulletin
14	I FUIOREA, D GABOR, <i>Critical Analysis Upon Composite Material Failure Criteria</i> , Bulletin Of The Polytechnic Institute Of Iasi, Tome LV (LIX) Fasc. 2, ISSN 1453-1690,
15	I FUIOREA, D GABOR, Numerical Experiment Estimation Of Mechanical Characteristics Of Composite Materials, <i>Bulletin Of The Polytechnic Institute Of Iasi, Tome LV (LIX) Fasc. 2, ISSN 1453-1690,</i>
16	V. Năstăsescu, M. Russu, I. Fuiorea. <i>Asupra utilizării MEF în balistica exterioară</i> , Buletinul științific al Univ. din Pitești
17	V Nastasescu, I Fuiorea, <i>Asupra utilizării unor modele de materiale hiperelastice în analiza cu elemente finite</i> , Bul. științific al Universității “Petrol și Gaze” Ploiești
18	I Fuiorea, V Nastasescu, <i>Folosirea MEF la simularea numerică a dinamicii solidelor rigide</i> , Bul. științific al Universității “Petrol și Gaze” Ploiești
19	V Nastasescu, I Fuiorea, <i>Utilizarea programului COSMOS/M la calculul structurilor imerse</i> , Bul. științific al Universității “Petrol și Gaze” Ploiești
20	M Casapu, M Arrigoni, I Fuiorea, <i>Off-axis response and shear characterization of unidirectional ply-level hybrid carbon-fiber-reinforced polymer materials</i> , INCAS Bulletin 15 (3), 31-46
21	MA Voicu, I Fuiorea, <i>Identification of the critical parts for a medium courier turboprop aircraft</i> , INCAS Bulletin 12 (1), 207-213
22	Free vibrations analysis of the aircraft IAR-99 HAWK based on a new and modern finite element model -eng. Tudor VLADIMIRESCU, Prof. Dr. eng. Ion FUIOREA, eng. Tudor VLADIMIRESCU-jr, INCAS BULLETIN, volume 16/Issue 3/ july-september 2024.
23	Flutter Analysis Based on the New Numerical Model IAR-99 HAWK Empty Equipped Configuration Aircraft- eng. Tudor VLADIMIRESCU, Prof. Dr. eng. Ion FUIOREA, eng. Tudor VLADIMIRESCU-jr - INCAS BULLETIN, volume 16/Issue 4/ oct.- dec. 2024.
24	Ionut Daniel SPIRIDON, Ion FUIOREA, <i>Increasing Air Traffic Management efficiency by integrating manned aviation with unmanned aviation at civilian air traffic control tower</i> , INCAS BULLETIN, Volume 17, Issue 4/2025, pp 211-219.

Nr. crt.	Autori, titlu, revista
----------	------------------------

1	V Ghizdavu, I Fuiorea, <i>Placate și composite metalice realizate prin explozie</i> , Revista "TEHNICA MILITARĂ"
2	I Fuiorea, V Nastasescu, <i>Studiu comparativ al caracteristicilor la materialele composite metalice cu fibre lungi, determinate numeric și experimental</i> , Revista "TEHNICA MILITARĂ"
3	I Fuiorea, <i>Proiectarea de materiale noi</i> , Revista "TEHNICA MILITARĂ"
4	I Fuiorea, Un mode de încercări pentru delimitarea suprafeței asociată criteriului de rupere polinomial tensorial la materiale compozite. Revista A.T.M. număr omagial dedicat absolvirii celei de a 40 - a promoții
5	I. Fuiorea, The Optimization Criteria in the Composite Materials Design Moskow International Conference on Composite Materials, Conference Proceedings, Book 3, pag 189-194, 20-22 sept. 1994,
6	I. Fuiorea W. Tiu, , An Iterative Way to Determine the In-Plane Shear Modulus. The Fifth International Conference on Automated Composites, ICAC'97, Glasgow,UK. The proceedings of the conference
7	I. Fuiorea V. Năstăsescu, Numerical Simulation of the Dynamic Behavior of a Mine Launcher Tube, The III-rd Conference on Barrel Weapon Systems, Brno Czech Republic, Oct. 1998, Proceedings of the Conference, Pag. 201-207
8	I. Fuiorea, V. Năstăsescu, Thin Walled Structures Modelled with Nonconforming Elements, 4-th Conference on Weapon Systems, Czech Republic Brno 1999, Proceedingt of the conference, Book 23 ,Pag. 81-86
9	Mechanical answer Simulation of a Structure under High Speed Loading I. Fuiorea, V. Năstăsescu, International Congress on Sound and Vibration Copenhagen, 5-8 July 1999, Proceedings of the Congress, ,Vibration and Shock, pag. 1917 - 1924
10	I. Fuiorea, <i>Modal and Harmonic Analysis of the "ALOUETTE III" Helicopter Tailboom</i> , 7 International Congress on Sound and Vibration, Garmisch - Partenkirchen, Germany, 4-7 July 2000, Proceedings of the Congress, Vol IV, pag. 2131- 2138
11	I. Fuiorea, M. Stoicescu, <i>A Point of View Regarding to Dynamic Analysis of an Aircraft Structure</i> , 22 nd International Congress of Aeronautical Sciences, ICAS 2000 Harrogate, UK, 27 Aug – 1 Sept. 2000, Proceedings of the Congress, Vol V, pag. 1133- 1140
12	I. Fuiorea, V. Năstăsescu, V. Stanciu, A virtual anisotropic material for a sandwich honeycomb structure, V-th Conference on Weapon Systems, Brno, Czech Republic, May 2001, Proceedings of the Conference, pag. 247- 252
13	V. Năstăsescu, I. Fuiorea, C. Gheorghescu, A Way of Impact Estimation Between Armour and Kinetic Projectiles, V-th Conference on Weapon Systems, Brno, Czech Republic, May 2001, Proceedings of the Conference, pag. 252- 258
14	I. Fuiorea, A homogenous anisotropical model for a complex regular structure, International Conference COMPOSITES IN CONSTRUCTION, Porto, 10-12 Oct. 2001, Proceedings of the Conference, pag. 131- 134
15	V. Năstăsescu, I. Fuiorea, M. Russu, Finite Element Method in Exterior Ballistics VI-th Conference on Weapon Systems Brno, Czech Republic, 28 – 30 April 2003, Proceedings of the Conference, pag. 50- 57
16	I. Fuiorea, Problems of impact simulation for an helicopter blade, Tenth International Congress on Sound and Vibrations 7-10 July 2003, Stockholm, Sweeden, Proceedings of the Congress, pag. 171- 176

17	I. Fuiorea, D. Safta, Simulation – a Powerful Tool in Aircraft Accident Investigations, <i>7th International Research/Expert Conference TMT 2003, Llorer de Mar, Barcelona Spain, 15-16 September 2003</i> , Proceedings of the Conference, pag. 689- 692
18	D. Sfta, M. Russu, I. Fuiorea, T. Vasile, Regarding the Perturbed Combustion-Flow Process in Solid Rocket Engine at very low Temperatures and the Influence over the Rocket Fly, D. Sfta, M. Russu, I. Fuiorea, T. Vasile, <i>7th International Research/Expert Conference TMT 2003, Llorer de Mar, Barcelona Spain, 15-16 September 2003</i> , Proceedings of the Conference, pag. 917- 920
19	V. Năstăsescu, M. Russu, I. Fuiorea, M. Bunea, About Material Models Used in Dynamic Analysis of the Mechanical Structure using fem, <i>Modern Technologies of 21-st Century Sevastopol, 2003 Proceedings of the Conference</i> , pag. 815- 818
20	E. Moldovan, I. Fuiorea, A Dynamical Analysis of Corrugated Hose used as Pressure Transducer for Aviation Automatic Systems, <i>International Conference 2004 – dynamical Systems and Applications, Antalia Turcia Proceedings of the Conference</i> ,
21	F. Tache, I. Fuiorea, Statistical Risks in High Performance Nano-Composites Technology for Space Structures, <i>International Astronautical Congress – Valencia, Spain, 2006 Proceedings of the Conference</i> , I.A.C. -06 – C2.8.04
22	J A Popescu, V A Vilag, M Stefanescu, R Mihalache, I Fuiorea, Dynamic Balancing Method For A Carbon Fibre Centrifugal Compressor Impeller, <i>Recent Advances in Mechanical Engineering, Proceedings of the 5th European Conference of Mechanical Engineering (ECME'14), Nov. 2014, Florence, Italy, ISBN: 978-960-474-402-2, ISSN: 2227-4596, Ed. Shitikova M.V. et.al., pp. 132-138, 22 - 24</i>
23	Ion FUIOREA, Tudor CHERECHES, Paul LIXANDRU, Aircraft Ballistic Protection Trade Off Studies, <i>International Conference on Military Technologies, Brno, Czech Republic, 31 May 2017, Proceedings of the Conference</i> ,
24	<i>Experimental characterization of internal structure and physical properties of unidirectional ply-level hybrid carbon composite material", Casapu M., Fuiorea I., Arrigoni M., 15th International Conference on Advanced Computational Engineering and Experimenting – ACEX2022, Florența (Italia), 03 – 07.07.2022.</i>
25	NUMERICAL MODEL OF THE IAR-99, HAWK AIRCRAFT EXTENDED WITH SPECIALIZED ELEMENTS, eng. Tudor VLADIMIRESCU, Prof. Dr. eng. Ion FUIOREA, eng. Tudor VLADIMIRESCU-jr Poster: P 1-4 368 / 20th Anniversary – 11th European Conference for AeroSpace Sciences – EUCASS 2025: 30 June > 4 July – Rome – Italy.
26	
	Total:

2.4 Granturi/proiecte castigate prin competitie

Nr. crt.	Program, titlu, perioada (ani)
----------	--------------------------------

1	FP 5, Technology Development for Aeroelastic Simulations on Unstructured Grids – TAURUS, Responsabil ATM, 3 ani –
2	Clean Sky, Smart Fixed Wing Aircraft IDT, Responsabil SC STRAERO SA , 5 ani
3	MANUNET - LIGHT WEIGHT CARBON FIBER COMPRESSOR IMPELLER/BLADE MANUFACTURING STUDY ManuCFBlade, Responsabil SC STRAERO SA 4 ani
Nr. crt.	Program, titlu, perioada (ani)
1	PN-II-PT-PCCA-2011-3 - RIDICAREA PERFORMANȚELOR PANOURILOR UȘOARE CU O NOUĂ PROIECTARE OPTIMIZATĂ PENTRU STRUCTURI AERONAUTICE AVANSATE (HIPEAS) – Responsabil SC STRAERO SA 4 ani
2	CEEX, PLATFORMA SOFTWARE PENTRU ANALIZA INTERACȚIUNII FLUID-STRUCTURA – Director 3 ani
3	IDEI, Mathematical Models for Complex Ultimate States in Composite Materials – Director, 3 ani
4	PN II, Amortizarea Vibratiilor Aeroelastice prin Tehnici Avansate de Control Activ – Director, 3 ani
5	CEEX, Sistem Integrat pentru Analiza și Proiectarea Optimală Multidisciplinară- SIAPOM – Director 3 ani
6	PN II Realizarea si validarea unui sistem de programe de calcul pentru analiza aeroelastica a aeronavelor si compresoarelor turbomotoarelor Responsabil STRAERO 3 ani
7	RELANSIN, Sistemul de Desantare din Avionul AN-26 a Transportorului HAMSTER – DESANT-1– Responsabil ATM, 1 an
8	RELANSIN, Calculul structurii de rezistență a autovehicolului de teren pentru desant parașutiști HAMSTER – 3 – Responsabil ATM, 2 ani
9	RELANSIN, Calculul, proiectarea și realizarea grupului propulsor și a flotorului, din materiale compozite, pentru vehiculul pe pernă de aer EGRETA, pentru infanteria marină – Responsabil ATM, 1 an
10	PN-III-P2-2.1-PED-2019-3147, Sistem energetic ecologic pentru utilizarea energiei hidrocinetice a curentilor de apa de cadere foarte mica HyPER
	Total:
Nr. crt.	Program, titlu, perioada (ani)
1	Clean Sky, STARGENSY – Responsabil Task, 4 ani
2	ESA - Breadboard of a Sealing Systems for a Phobos Sample Return Mission – Responsabil WP – 4 ani
TOTAL A2:	

A3. Recunoașterea și impactul activității

A3. Recunoașterea și impactul activității

3.1 . Citări în reviste ISI și BDI

Nr. crt	Autori, titlu, revista
1	A Constantinescu, I Fuiorea, A Nême, V Bertram, M Salas, Hydro-elastic numeric analyses of a wedge-shaped shell structure impacting a water surface, Latin American applied research 38 (1), 35-43

2	I Fuiorea, W Tiu, Decoupling Effects–A Novel Method for Composites Characterization, Proceedings of the Romanian Academy, Series A 12 (1), 55-62
3	Sprintu Iuliana, Ion Fuiorea, <i>Analitical Solutions of the Mechanical Answer of Thin Orthotropic Plates</i> , Proceedings of the Romanian Academy-Series A: Mathematics, Physics, Technical Sciences, Information Sciences, Vol. 14, nr. 4, pp 343-350
4	Constantinescu Adrian, Bertram Voker, Ion Fuiorea, <i>Wedge Shapped Shell Structure Impacting Water Surface</i> , Conference of the ASME Vessels and Piping, Vol 4, Series: Pressure Vessel and Piping Division of the American Society of Mechanical Engineers, pag 55 - 62
1	
2	
TOTAL	

Nr. crt	Autori, titlu, revista
1	I Fuiorea, D Gabor, I Sprintu, <u>A new mathematical model for composite plates</u> , Proceedings the 16th Int. Conf. The Knowledge-Based Organization Sibiu, 149-157
2	M Gennaretti, MM Collela, J Serafini, G Quaranta, I Fuiorea, <u>Anatomy, modelling and prediction of aeroservoelastic rotorcraft-pilot-coupling</u> , 39th European Rotorcraft Forum
3	
TOTAL	

3.1.3. Reviste BDI	
Nr. crt	Autori, titlu, revista
1	MI Marmureanu, I Fuiorea, Attitude Dynamics of a Spinning Rocket with Internal Fluid Whirling Motion, INCAS Bulletin 6 (2), 75
2	DG Sandu, I Fuiorea, TL Grigorie, INS/GPS synergic navigator with Kalman filtering, University POLITEHNICA of Bucharest “Scientific Bulletin”, Series D
3	A Tudorache, I Fuiorea, Considerations Regarding the Dynamic Balancing of Complex Rotors, Review of the Air Force Academy, 51
TOTAL	

3.2. Profesor invitat (inclusiv ERASMUS)

Nr. Crt.	Institutia, tara, curs predat, perioada
1	Hertfordshire University, U K, Composite Material Mechanics, 2.02 – 30.04 1995
2	ENSIETA, Brest, France, Mechanique des Materiaux Composites, 10.05 – 20.06 1997
3	Université Paul Sabatieres, Toulouse, France, Mechanique des Materiaux Composites, 15 – 28.06.2003,
4	Institute National Politehnique, Toulouse, France, Materiaux Composites, 18 – 28.06 2002
5	Ecole National des Ingenieurs Tarbes, France, Mechanique des Materiaux Composites, 02.04 – 10.05.2004

	TOTAL
--	--------------

3.4. Membru in colectivele de redactie sau comitete stiintifice al revistelor si manifestarilor stiintifice, organizator de manifestari stiintifice / recenzor

3.4.1. Reviste ISI cu factor de impact.

3.4.1. 1. Membru in comitetul stiintific		
Nr. Crt.	Revista, http://.....	15 puncte
1		
2		
	TOTAL	

Nr. Crt.	Articol recenzat/autori, an, revista, ISSN
1	Life prediction model of AA7B04-T6 under alternate action of fatigue and corrosion based on damage cumulative theory, Yuting he, Ph.D, Changfan Li, Xiaohong Li, Jia Liu, Xu Du, Xiangfei Tan, Haoyu Zhang , 2015 Royal Aeronautical Society - The Aeronautical Journal
2	Semi-Empirical Estimation and Experimental Method for determining Inertial Properties of the Unmanned Aerial System - UAS-S4 of Hydra Technologies, Yvan Wilfried Tondji, 2015 Royal Aeronautical Society - The Aeronautical Journal
3	Cessna Citation X Turbofan Modelling: Identification and Validation with Flight Tests, Paul Alexandre Bardela, Thomas Bournisien, 2015 Royal Aeronautical Society - The Aeronautical Journal
4	CLOVER: an alternative concept for damage interrogation in structural health monitoring systems, Ken I. Salas* and Carlos E. S. Cesnik, 2008 Royal Aeronautical Society - The Aeronautical Journal
5	Calculation of torsional stress in noncircular cross sections by the finite element method, Kirad Abdelkader, Zebbiche Toufik 2008 Royal Aeronautical Society - The Aeronautical Journal
6	A New Model to Testability Modeling and Analysis for PHM of Aerospace Systems, YANG Shu-ming, QIU Jing, LIU Guan-jun, YANG Peng 2008 Royal Aeronautical Society - The Aeronautical Journal
7	Design, Analysis and Evaluation of Titanium Antenna Reflector for Deep Space Missions, AA-D-20-01530 – Astra Aeronautica
8	Ferrofluid Thin Films for Airfoil Lift Generation - AeroJ-2020-0060, 2020 Royal Aeronautical Society - The Aeronautical Journal
9	Numerical study of geometric morphing wings of the 1303 UCAV - AeroJ-2020-0185, 2020 Royal Aeronautical Society - The Aeronautical Journal
10	An extended invariant approach to laminate failure of fibre-reinforced polymer Structures - AeroJ-2021-0094, 2021 Royal Aeronautical Society - The Aeronautical Journal
11	Strain energy form coefficients for bending of short beams having full and thin walled arbitrary cross section with application for FEM and Airfoils - AeroJ-2021-0180, 2021 Royal Aeronautical Society - The Aeronautical Journal

TOTAL

3.4.2. Reviste ISI fara factor de impact.

Nr. Crt.	Articol recenzat/autori, an, revista, ISSN
1	Recenzie a 21 articole pentru INCAS BULETIN 2012 -2020
2	

3.4.3. Reviste /manifestări stiintifice indexate BDI

Nr. Crt.	Revista/conferinta, http://.....
1	Membru in comitetul stiintific al CEAS Air & Space Conference
2	Membru CEAS Program Comitee
	TOTAL

Nr. Crt.	Articol recenzat/autori, an, revista, ISSN
1	Uncertainty quantification and robust design optimization applied to aircraft propulsion systems Marco Panzeri, Roberto d'Ippolito, Kirill Anisimov, Andrey Savelyev, Artur Mirzoyan, European CEAS Conference, 2017
2	Investigation of viscosity influence on transonic flutter and LCO - Svetlana Kuzmina, Fanil Ishmuratov, Oleg Karas, European CEAS Conference, 2017
3	The studies on low-noise laminar wing aircraft for regional and short range routes - Anatoly Bolsunovsky, Nikolay Bragin, Nikolay Buzoverya, Ivan Chernyshev, Irina Gubanova, Nikita Pushchin European CEAS Conference, 2017
4	Interaction of non-spherical crystals and supercooled droplets with a body in a mixed cloud - Ivan Amelyushkin, Albert Stasenko, European CEAS Conference, 2017
	13 articole NCAS 2015
	TOTAL

3.4.4. Reviste /manifestări stiintifice neindexate

Nr. Crt.	Revista/conferinta, http://.....
1	Membru in comitetul stiintific al Conferintei NCAS
2	
	TOTAL

Nr. Crt.	Articol recenzat/autori, an, revista, ISSN
1	Recenzie pentru 14 lucrari pentru Conferinta NCAS
2	
	TOTAL

3.5. Experienta de management, analiza si evaluare in cercetare si/sau invatamant

3.5.1 Organizatii internationale

Nr. Crt.	Organizatia http://
1	Trustee member CEAS – Council of European Aerospace Societies, 2010 - prezent
2	
	TOTAL

3.5.1 Organizatii nationale

3.6. Referent in comisii de doctorat

Nr. Crt.	Autor teza, an, institutia, conducator teza
1	Mihaila-Andres Mihai, 2003, Université Bretagne Occidentale, Brest, Francois Grosjean
2	Copnstantinescu Adrian, 2004, ENSIETA École Nationale Supérieure d'Ingénieurs, Brest, Alain Némé
3	
	TOTAL

Nr. Crt.	Autor teza, an, institutia, conducator teza
1	Referent in 28 comisii de doctorat
2	
3	
	TOTAL

3.7 Premii

Nr. Crt.	Academia/asociatia
1	Director General Institutul de cercetare pentru structuri Aerospatiale STRAERO
2	Membru fondtor ARTENS
	Membru fondator AAAR
	Membru Societatea de Mecanica Ruperii
	Membru Societatea de Acustica si Vibratii
	Membru SAMPE
	Raportor CEAS – Council of European Aerospace Societies
3	Președinte Asociația Română pentru Propaganda și Istoria Aeronauticii
	Total: