

PERSONAL INFORMATION

Adriana ȘTEFAN



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POSITION

PhD Physicist / Scientific Researcher grade I

WORK EXPERIENCE

05/2023-present

President & General manager

Administrative responsibilities: administrative activities of organization and control, coordination of financial accounting, coordination of acquisition activities, coordination of patrimony maintenance activities, coordination of departmental activities;

Evaluating the activity and recommending new strategies for creating performance.

Identifies resources, assigns work assignments, and manages schedules to ensure on-time deliveries.

Ensures the team works in accordance with company policies and procedures.

Oversee staffing adjustments to achieve maximum productivity.

Management of ongoing research and development programs;

11/2021-05/2023

Head of Structural and Materials Division

Administrative responsibilities: coordination team, administrative activities;

Evaluate the division and recommend new strategies for creating performance.

Identifies resources, assigns work assignments and manages schedules to ensure on-time deliveries of phases.

Ensures the team works in accordance with company policies and procedures.

Oversee staffing adjustments to achieve maximum productivity.

Management of ongoing projects;

Research and Development Activity

09/2020- 05/2023

President of Scientific Council of INCAS București

Coordinates the Scientific Council Approve national and international scientific cooperation

Identify areas for improvement on the scientific side

Approves scholarships and internships in the country and abroad

Makes recommendations on empowering project/grant directors and project managers as representatives of the institute

Develops procedures and criteria for attestation of C-D personnel

10/2015–Present

Member in Scientific Council of INCAS Bucharest from 05/2016**Associate professor**

University “Politehnica” of Bucharest, Faculty of Aerospace Engineering, Bucharest (Romania),

Master programme “Holistic Space Systems”

- 02/2012–11/2021 **Head of the Materials and Tribology Unit**
Member of Scientific Council of INCAS Bucharest (05/2016-present)
National Institute for Aerospace Research "Elie Carafoli" - INCAS Bucharest, Bucharest (Romania)
Administratively Responsibilities: coordination team, administrative activities;
Management of projects in progress;
Research and development of composite materials: carbon-carbon composites, carbon fiber composites and ceramic matrix composite self-cleaning;
Structural analysis, thermal and mechanical testing;
Isotropic composite materials aimed at absorbing electromagnetic radiation (radar);
Thermal barrier coatings with nanometric structure.
- 10/2015–10/2016 **Associate professor**
Doctoral School of Bucharest, Faculty of Aerospace Engineering of University "Politehnica", Bucharest (Romania),
Aerospace Engineering
Scientific guidance in the doctoral school
- 10/2012–06/2015 **University lector**
Doctoral School of Physics, University of Bucharest, Faculty of Physics, Str. Atomistilor 405, Magurele, Ilfov County (Romania)
Scientific guidance in the doctoral school
- 08/2008–02/2012 **Head of Laboratory - Materials**
National Institute for Aerospace Research "Elie Carafoli" Bucharest, Iuliu Maniu 220, 6th District, Bucharest (Romania)
Administrative activities, coordinating team research and development laboratory;
Research and development of composite materials (reinforcing elements, nanoadditives used to improve thermal performance and mechanical) carbon-carbon composites, carbon fiber composites and ceramic matrix (Radom for values of supersonic velocities and elements of the systems involved in the wear); Thermal barrier coatings.
Structural analysis: optical microscopy, electron, X-ray diffraction; mechanical and thermal testing.
- 09/2001–07/2008 **Physicist**
National Institute for Aerospace Research "Elie Carafoli" Bucharest, Iuliu Maniu 220, 6th District, Bucharest (Romania)
Carbon fiber: realization and characterization, composite glass fiber and carbon fiber composites CC, nanocomposite polymer / inorganic compounds nanostructured: montmorillonite, carbon nanotubes, nanocarbon synthesized by laser, thermal barrier coatings (TBC), FGM, nanostructured layers getting thermal barrier layers plasma spraying (APS).
Material characterization by electron microscopy and thermo-physical tests. mechanical tests.
- 01/09/1999–31/03/2000 **Teacher**
Ministry of Education, Suceava (Romania)
Educational programs, optional activities

EDUCATION AND TRAINING

- 08/2023 **Manager inovare (COR 242106)**
Athena– Centru de calificare si perfectionare srl, Bucharest (Romania)

04/2019

- 07/2023-present **Manager**
Academia Britanica de Afaceri si Comunicare (Romania)
Management
- 07/2023-present **Business communication**
Academia Britanica de Afaceri si Comunicare (Romania)
Business communication
- 04/2019 **Project management**
Trilex Training&Consulting, Bucharest (Romania)
Management
- 05/2013 **Project manager (COR 242101)**
European Institute of Romania, Bucharest (Romania)
Management
- 10/2001–10/2007 **PhD in Materials Science and Engineering**
Politehnica University of Bucharest, Bucharest (Romania)
- 10/2000–06/2001 **Metrology - Advanced Studies Diploma**
University of Bucharest - Faculty of Physics, Bucharest (Romania)
- 09/2005 **Postgraduate studies for the use of radioactive isotopes - UIR**
University of Bucharest - Faculty of Physics, Bucharest (Romania)
- 10/1995–06/1999 **Bachelor in Physics**
University of Bucharest - Faculty of Physics, Bucharest (Romania)
- ESA Course: "How to write successful proposals for R&D ESA"**
European Space Agency

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	B1	B1	C1
French	B2	B2	A2	A2	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills Ability to establish and maintain collegial relationships positive with people and ability to work in team

Organisational / managerial skills Very organized person; capacity for planning with attention directed toward details to prioritize work;

dynamic personality. Ability to analyse synthetic and global situations, work capacity oriented to the final goal, attitude to solve the problems, responsible, self-esteem. The leading experience is gained in projects as project manager and project director, and management abilities gained during the head leading of division..

Other skills Excellent skills working with analytical instrumentation and electronic microscopy and optical microscopy, line sample preparation for microscopy.

PC: PC: WIN 9X, Windows 2000, Windows XP, Microsoft Office CATIA v5 - beginner level

School sports competitions - skiing and athletics; playing tennis independent; practicing Pilates fitness

Driving licence B

ADDITIONAL INFORMATION

Projects (selection)

- **PN III Cooperrarea Europeana si Internationala – Subprogram 3.2 - Orizont 2020, Project M-ERA.NET Call 2019: "Reactive Inkjet Printing of Epoxy Thermoset Composites (RIPE4TEC) " (Director project)**
- **PN - Contractul nr.: 19-01-03-02/2019, Tehnologii emergente bazate pe materiale structurale hi-tech sustenabile pentru industria aeronautica (Director project)**
- **Romania-Belarus Bilateral Project 2017-2019, „Advanced thermal protection materials with reticulated vitreous carbon foam" (Director project)**
- **Research and Development Program-Space Technology and Innovation for Advanced Research – ROSA STAR Program – 2016:" Technologies for obtaining elastomeric nanocomposites for low-temperature and radiation-resistant O-rings with potential for use in space, aeronautics, security and other related fields" - NANOELAST-O (Responsabil project)**
- **Romania-Belarus Bilateral Project - AR-FRBCF-2016-2017; Cod proiect: 16-056, Sandwich - structured composites with cellular core and fiber reinforcement composite skin (Director project)**
- **Horizon 2020: RoRCraft - RotorCraft Fuselage Manufacturing for LifeRCraft Demonstrator No CS2-FRC-GAM-2014-2015-01 (Lead of Materials Group)**
- **Research and Development Program-Space Technology and Innovation for Advanced Research – STAR - 2012 Integrated Multilayer evaluation of advanced materials in aerospace and related fields – ALTAS, ctr. 25/2012 (Responsabil project)**
- **7 Framework Programme – Theme SPA 2011.2.2-02: Space critical technology: Hybride ablative development for re-entry in planetary atmospheric thermal protection- HYDRA, Grant nr.283797 (Responsabil project)**
- **7 Framework Programme – Theme NMP 2012.2.2-3: Advanced materials for high – temperature powder generation: Development of multifunctional Thermal Barrier Coatings and modeling tools for high temperature power generation with improved efficiency, Grant agreement no: 310750 (Responsabil project)**
- **5 Framework Programme – MRI no HPRI – CT-1999-00024, Thermal testing and thermal shock testing of some TBC layers on superalloys and cooper alloys base"**
- **Partnerships Program in priority areas PNII - 2011: Hybrid composite materials doped fiber thermoplastic matrix and dispersed nanoscale fillers for special applications (HYBRIDMAT), ctr. 168/2012 (Director project)**
- **Capacities Programme 2012: Hybride ablative development for re-entry in planetary atmospheric thermal protection ctr. Nr. 196/2012 (Director project)**
- **Capacities Programme 2013: Development of multifunctional Thermal Barrier Coatings and modelling tools for high temperature power generation with improved efficiency – CTR NR: 378/12.09.2013 (Director project)**
- **NANOPROSPECT project - Nanotechnologies in Romania - prospective studies: "Transports (aerospace and automotive)" sub-group coordinator (Director project)**
- **Research and Development Program-Space Technology and Innovation for**

Advanced Research – ROSA STAR Program – 2016: Advanced Ceramic Thermal Protective Systems Developed through Combinatorial EB –PVD Deposition Technology – **ANDROTECH (Membru echipa)**

- **Partnerships in priority areas PNII – 2008:** Compositional gradient materials based on zirconia micro and nanostructures for heat-resistant structures with applications in the energy industry and aerospace ctr: 72-179 / 2007 (**Membru echipa**)
- **Partnerships in priority areas PN II:** Advanced materials for aerospace and transport: polymer nanocomposites, carbon-fiber / glass structure reinforced with carbon and silicon carbide, ctr. 71-125 / 2007 (**Membru echipa**)
- **Partnerships in priority areas PN II:** Advanced composite structures for aerospace and transport, ctr. 71-001 (**Membru echipa**)
- **Research Excellence Program - CEEEX AMTRANS:** C-C matrix composites mesophasic additives carbon nanotube fiber-metal laminates and composites, X1C05 / 2005 (**Membru echipa**)
- **Research Excellence Program - CEEEX AMTRANS:** Multilayer materials for extreme thermal conditions in aeronautics. Installation and testing method, Ctr X2C30 / 2006 (**Membru echipa**)
- **Research Excellence Program CEEEX – MATNANTECH:** Polymer nanocomposites HYBRID REINFORCED LAMINATED as inorganic nanoscale ctr. 737/2005 (**Membru echipa**)

Patents

- Patent No:126850, , Patent- Title: "Procedeu și instalație de obținere a unei fibre de carbon" - Dincă, V. Manoliu, Gh. Ionescu, A. Stan, **A. Ștefan**, Cristina- Elisabeta Ban, S. Ilina, published in Buletinul Oficial de Proprietate Industrială- Secțiunea Inventii nr. 8/2013; 30.08.2013
- Patent no. 131686/28.08.2015: "Sistem Compozit Hibrid Termoplastic și Procedeu de Obținere" - Cristina- Elisabeta Pelin, **A. Ștefan**, G. Pelin, I. Dincă.
- Patent application no. A/2018/00383/30.05.2018 "Instalație de testare la soc termic rapid a materialelor cu racier în apă" – V. Manoliu, Gh. Ionescu, M. Botan, **A. Ștefan**.

• Publications (selection)

- **Adriana Ștefan**, George Pelin., Catalin Nae, Cristina Pelin, Mircea Bocioaga, George Catalin Cristea, Mihai Botan, Suitability assessment of the component materials of advanced composite system for aircraft structural application, AIAA proceeding, <https://doi.org/10.2514/6.2023-2122>
- George Catalin Cristea, **Adriana Ștefan**, Krzysztof Krawczyk, Cristina Elisabeta Pelin, Sorina Ilina, TRIBOLOGICAL AND STRUCTURAL EVALUATION OF 3D EPOXY RESINS, ICAS PROCEEDINGS 33th Congress of the International Council of the Aeronautical Sciences Stockholm, Conference Proceeding, Sweden
- Cristina-Elisabeta Pelin, Alexandra-Raluca Axenie, Adrian Gâz, George Pelin, **Adriana Ștefan**, Cristian Moisei, Albert Arnau Cubillo, Design, Manufacturing and Testing of Pull-Out and Shear-Out Insert Allowable for Sandwich Applications, Aircraft Engineering and Aerospace Technology
- **Adriana ȘTEFAN**, George PELIN, Alexandra-Raluca PETRE, Monica MARIN, Cristina-Elisabeta PELIN, Sorina ILINA, MECHANICAL BEHAVIOR OF THE CARBON FIBRE REINFORCED PLASTICS, Acta Technica Napocensis Series: Applied Mathematics, Mechanics and Engineering, Vol 64, No 3 (2021)
- Maria Daniela Stelescu, Anton Airinei, Alexandra Bargan, Nicusor Fifere, Mihai Georgescu, Maria Sonmez, Mihaela Nituica, Laurentia Alexandrescu and **Adriana Ștefan** , Mechanical properties and equilibrium swelling characteristics of some polymer composites based on ethylene propylene diene terpolymer (EPDM) reinforced with hemp fibers, , MAterials, MDPI 2022, 14
- **Adriana ȘTEFAN**, George PELIN, Cristina-Elisabeta PELIN, Alexandra-Raluca PETRE, Monica MARIN, Manufacturing process, mechanical behavior and modeling of composites structures sandwich panel , pp. 183-191, DOI: 10.13111/2066-8201.2021.13.1.19;
- **Adriana ȘTEFAN**, George PELIN, Alexandra-Raluca PETRE, Monica MARIN, Cristina-

Elisabeta PELIN, Sorina ILINA, MECHANICAL BEHAVIOR OF THE CARBON FIBRE REINFORCED PLASTICS, ACTA TECHNICA NAPOCENSIS, Series: Applied Mathematics, Mechanics, and Engineering, septembrie 2021

- Cristea, G.C.; Ilina, S.; Pelin, G.; **Stefan, A.**; Pelin, C.E. Development of a Pressure-Sensitive Coating Using Platinum Octaethylporphyrin. *Coatings* 2021, 11, 1093. <https://doi.org/10.3390/coatings11091093>
- **Adriana Stefan**, Alina Dragomirescu, George Pelin, George-Catalin Cristea, Oleg Smorygo, "Dellamination effect on compression loadings of hybrid sandwich composite", INCAS BULLETIN, Volume 12, Issue 2/ 2020, pp. 229 – 234, ISSN 2066-8201, DOI: 10.13111/2066-8201.2020.12.2.19
- Oleg Smorygo, Amol A. Gokhale, Anastasia Vazhnova, **Adriana Stefan**, Ultra-low density epoxy/polystyrene foam composite with high specific strength and pseudo-plastic behavior, *Composites Communication*, Volume 15, October 2019, Pages 64-67, <https://doi.org/10.1016/j.coco.2019.06.008>
- Oleg Smorygo, Vitali Mikutski, Alexander Marukovich, Vladislav Sadykov, Yulia Bepalko, **Adriana Stefan**, Cristina-Elisabeta Pelin, Preparation and characterization of open-cell epoxy foams modified with carbonfibers and aluminum powder, *Composite Structures*, Volume 202, Pages 917-923, IF2019: 1.172, 2018, <https://doi.org/10.1016/j.compstruct.2018.04.063>;
- G Pelin, C-E Pelin, **A Stefan**, I Dinca, E Andronescu, O Oprea, D Ficai, R Trusca „Development and properties of advanced composites based on cork and nanometric silicon carbide filled phenolic resin”, *Bulletin of Materials Science*, Vol. 41, No 1, Feb. 2018; IF2016: 0.899, DOI: <https://10.1007/s12034-017-1536-4>
- K. I. Triantou, K. Mergia, B. Perez, S. Florez, **A. Stefan**, C. Ban, G. Pelin, G. Ionescu, C. Zuber, W.P.P. Fischer, J. Barcena, "Thermal shock performance of carbon-bonded carbon fiber composite and ceramic matrix composite joints for thermal protection re-entry applications", *Composites Part B: Engineering*, Vol 111, Feb, pp. 270-278, 2017; IF2016: 4.727, <https://doi.org/10.1016/j.compositesb.2016.12.020>;
- **Adriana Stefan**, Gheorghe Ionescu, George Pelin, Cristina-Elisabeta Pelin (Ban), Ion Dincă, Beatriz Perez, Sonia Florez, Jorge Barcena, Konstantina Mergia, Kostoula Triantou, Christian Zuber, Waldemar Rotaermel, Jean-Marc Bouilly, Gregory Pinaud, Wolfgang Fischer, „Thermal Performance of Ablative/ Ceramic Composite”, *INCAS Bulletin*, Vol 6, Nr.4, pp. 87-101, 2014
- A. Dragomirescu, N. Constantin, **A. Ștefan**, V. Manoliu, R. Trușcă "Advanced study of thermal behavior of CSZ comparing with the classic YSZ coating", *International Conference On Applied Sciences*, Published under license by IOP Publishing Ltd, IOP Conference Series: Materials Science and Engineering, Volume 163, conference 1 <http://iopscience.iop.org/article/10.1088/1757-899X/163/1/012040/pdf>
- **Adriana STEFAN**, Cristina-Elisabeta PELIN, George PELIN, Oleg SMORYGO, Vitali MIKUTSKI, "Mechanical testing of CFRP materials for application as skins of sandwich composites", Vol. 9, Nr. 3, 2017, pp. 97-104
- L. Gavrilă-Florescu, I. Morjan, E. Popovici, I Sandu, I Voicu (INFLPR), I. Dinca, **A. Stefan** (INCAS), L Dumitrache, C Nistor, V. Stefan, S. Serban, D. Donescu (ICECHIM), "Laser synthesized carbon nanopowders for nanoscale reinforced hybride composites", *Materials Science & Engineering C (Elsevier Science Publisher)*, vol 27, an 2007, pag 1010, ISSN 0928-4931
- **A. Stefan**, D. Bojin, V. Manoliu, "Ceramic layers as barrier coatings", *Buletin Stiintific- UPB*, 2007, Seria B: Chimie si stiinta materialelor, vol 69, nr 3, ISSN 1454-2331
- I. Dinca, **A. Stefan**, C. Serghe – INCAS, L. Dumitrache3, Z. Vuluga3, D. Donescu3 - ICECHIM, A. Dragomirescu4-INPALV, G. Prodan5, V. Ciupina5, - Univ. Ovidius Constanta, L. Gavrilă-Florescu1, E. Popovici1, I. Sandu1* - INFLPR, "Hybrid polymer composites reinforced by layered silicate and laser synthesized nanocarbons", *Applied surface science*, (Elsevier Science Publisher), vol. 254, nr 4, pag. 1032, ISSN 0169-4332
- L. Gavrilă Florescu, I. Dinca, E. Popovici, L. Dumitrache, R. Ianchis, A. Stan, I. Sandu, **A. Stefan**, Z.

Vuluga, D. Donescu, I. Voicu, "Laser-synthesized carbon black for polymer-based composites reinforced by carbon fibers", Journal of Optoelectronics and Advanced Materials, Vol. 12 , No. 3, Topical Issue "Laser and plasma processing for advanced materials", ISSN 1454-4164

- Sorin Dimitriu, Victor Manoliu, Elvira Alexandrescu, **Adriana STEFAN**, Alexandru Mihailescu, „Advanced Structural Multilayer Arhitecture for Turbo Engine”, Metalurgia International Special Issue vol XIX no 2 (2013) ISSN 1582-2214

Cristina-Elisabeta BAN, **Adriana STEFAN**, Ion DINCA, George PELIN, Anton FICAI, and Ecaterina ANDRONESCU, Ovidiu OPREA, G. Voicu „Multiwalled Carbon Nanotubes Effect In Polypropylene nanocomposites”, Materials and Technology, Materials and Technology, Vol. 50, No 1, 2016, ISSN 1580-2949

- Conferences (selection)

- **Adriana Stefan**, George Pelin., Catalin Nae, Cristina Pelin, Mircea Bocioaga, George Catalin Cristea, Mihai Botan, Suitability assessment of the component materials of advanced composite system for aircraft structural application, AIAA 2023 SCITECH FORUM
- George Catalin Cristea, **Adriana Stefan**, Krzysztof Krawczyk, Cristina Elisabeta Pelin, Sorina Ilina, TRIBOLOGICAL AND STRUCTURAL EVALUATION OF 3D PRINTED EPOXY RESINS, 33rd Congress of the International Council of the Aeronautical science, ICAS 2022, Stockholm, Suedia, 4.09 - 09.09. 2022
- **A. Stefan**, C.-E. Pelin, G.Pelin, M. D. Stelescu, E. Manaila, „Elastomeric Nanocomposites for Space Applications”, ICFPC 2018: 20th International Conference on Functional Polymers and Composites, 12-13 February 2018, Amsterdam, The Netherlands
- S. Dimitriu, V. Manoliu, G. Ionescu, **A. Stefan**, M. Botan and A. Dragomirescu, "Triplex coatings behavior in extreme thermal conditions" (poster), 23rd International Conference on Materials and Technology, 28-30 September 2015, Portoroz, Slovenia
- A. Dragomirescu, N. Constantin, **A. Ștefan**, V. Manoliu, R. Trușcă "Advanced study of thermal behavior of CSZ comparing with the classic YSZ coating", International Conference on Applied Sciences, May 25-27, 2016, Hunedoara, Romania
- J. Barcena, S. Florez, B. Perez , G. Pinaud, J-M. Bouilly, W.P.P. Fischer, A. de Montbrun, M. Descomps, C. Zuber, W. Rotaermel, H. Hald, C. Pereira, K. Mergia, K. Triantou, G. Vekinis, G. Ionescu, C. Ban, **A. Stefan**, V. Leroy, D. Bernard, B. Massuti, G. Herdrich, Novel "Hybrid Ablative/Ceramic Heatshield for Earth Atmospheric Re-Entry"-European Conference on Spacecraft Structures, Materials & Environmental Testing 1-4th of April 2014
- Cristina- Elisabeta Pelin, G. Pelin, **A. Stefan**, I. Dincă, E. Andronescu, A. Fikai, "Carbon Fiber Reinforced Nanofilled Polyamide 6 Laminates", The 8th International Conference on Advanced Materials, ROCAM 2015, 7-10 July 2015, Bucharest, Romania
- I. Dinca, C. Ban, **A. Stefan**, G. Pelin, "Nanocomposites As Advanced Materials For Aerospace Industry", International Conference of Aerospace Science Aerospacial 2012, Bucharest, Romania

- Awards

- Gold medal at 45th International Exhibition of Inventions of Geneva 29 March- 02 April 2017 for the patent proposal „Hybrid Thermoplastic Composite and Obtaining Method” (authors: Cristina- Elisabeta Pelin, **A. Ștefan**, G. Pelin, I. Dincă)
- Special award from Hong Kong Science & Technology Parks Corporation în cadrul 45th International Exhibition of Inventions of Geneva 2017 for the patent proposal „Hybrid Thermoplastic Composite and Obtaining Method” (authors: Cristina-Elisabeta Pelin, **A. Ștefan**, G. Pelin, I. Dincă)
- Special award from Association Russian House for International Scientific and Technological Cooperation în cadrul 45th International Exhibition of Inventions of Geneva 2017 for the patent proposal „Hybrid Thermoplastic Composite and Obtaining Method” (authors: Cristina- Elisabeta Pelin, **A. Ștefan**, G. Pelin, I. Dincă)
- Silver medal at Salonul Cercetării și Inovării organizat de Universitatea „Dunărea de Jos” din Galați – UGAL-INVENT 19-20 Octombrie 2017 for the patent proposal „Hybrid Thermoplastic Composite and Obtaining Method” (authors: Cristina-Elisabeta Pelin, **A. Ștefan**, G. Pelin, I. Dincă)
- Bronze medal at Salonul Cercetării și Inovării organizat de Universitatea „Dunărea de Jos” din Galați – UGAL-INVENT 19-20 Octombrie 2017 for research theme „Compozite cu Structură det Sandwich cu Mieș Celular și fețe din compozit ranforsat cu Fibre” (authors: **A. Stefan**, Cristina-Elisabeta Pelin, G. Pelin, M. Botan, Oleg Smorygo, Vitali Mikutski)
- Appreciaton diploma from Research and Innovaton Ministry at Romanian Inventions National Grant- 20 June 2017 2017 for the patent proposal „Hybrid Thermoplastic Composite and Obtaining Method” (authors: Cristina- Elisabeta Pelin, **A. Ștefan**, G. Pelin, I. Dincă)
- Gold medal and special award at Inventica 2018 Iasi, 2017 for the patent proposal

- „Hybrid Thermoplastic Composite and Obtaining Method” (authors: Cristina-Elisabeta Pelin, **A. Ștefan**, G. Pelin, I. Dincă)
 - Gold medal at Inventica 2018 Iasi, „Compozite cu Structură de tip Sandwich cu Miezi Celular și fețe din compozit ranforsat cu Fibre” (authors: **A. Ștefan**, Cristina-Elisabeta Pelin, G. Pelin, M. Botan, Oleg Smorygo, Vitali Mikutski)
 - Gold medal at Inventica 2018 Iasi, for the patent "Procedeu și instalație de obținere a unei fibre de carbon", Patent No: 126850/2013 (authors: I. Dincă, V. Manoliu, Gh. Ionescu, A. Stan, **A. Ștefan**, C.- E. Ban, S. Ilina)
 - **Member in organisation World Academy of Science, Engineering and Technology** din noiembrie 2017 – present
 - **Coordonator al sub-grupului Transport: Project NANOPROSPECT** - Nanotehnologies in Romania- Prospectiv studiu: “Transports (aerospace and auto)”
 - **Member in organisation AHS International – The vertical Flight Technical Society** din noiembrie 2017 – present
 - **Member in Societatea de Microscopie Electronica din Romania** – 2021-present
 - **Member in Societatea Europeana de Microscopie Electronica**– 2021-present
 - **Member CEN WS ERP** – 2022-present
 - **Member in IFAR -WG Composite** – 2020- present
 - **Expert in COST Association** – 2020 - present
 - **Expert in ASD REACH & CHEM Working Group** – 2023
- OTHER

PhD Phys. Adriana ȘTEFAN