



Curriculum vitae
Europass

Personal information

First name(s) / Surname **Grigore CICAN**

Telephone

E-mail

Nationality Romanian

Date of birth

Work experience

Dates **August 2024-present**

Occupation or position held Nominal composition of the specialized committees of the National Commission for the Attestation of University Titles, Diplomas and Certificates (CNATDCU) for the 2024 – 2028 mandate in commission 13 **Aerospace, automotive and transportation engineering** <https://www.cnatdcu.ro/paneluri-cnatdcu/>

Main activities and responsibilities Responsible for the evaluation and validation of academic titles and diplomas in Romania.

Type of business or sector Member of the CNATDCU Commission, Commission 13 **Aerospace, automotive and transportation engineering**

Dates **February 2024-present**

Occupation or position held ARACIS Expert <https://www.aracis.ro/registrul-national-al-evaluatorilor-cadre-didactice/>

Main activities and responsibilities The external evaluation of the quality of education provided by higher education institutions and all educational organizations operating in Romania.

Name and address of employer ARACIS stands for the Romanian Agency for Quality Assurance in Higher Education.

Type of business or sector ARACIS Inspector.

Dates **October 2023-present**

Occupation or position held Full Professor in Faculty of Aerospace Engineering

Main activities and responsibilities Didactic activities, Research activities

Name and address of employer University POLITENICA of Bucharest, Splaiul Independenței 313, PC 060032, sector 6, Bucharest, ROMANIA

Type of business or sector High Education

Dates **March 2023-present**

Occupation or position held Senior Scientist

Main activities and responsibilities Research Activity

Name and address of employer National Research and Development Institute for Gas Turbines COMOTI
220 D Iuliu Maniu Bd., sector 6, cod 061126, OP 76, CP174
Bucharest, Romania.

Type of business or sector Research and Development of Propulsion Systems for Unmanned Aircraft. Multi-role Drones Department

Dates **June 2022-present**

Occupation or position held	Doctoral School of the Faculty of Aerospace Engineering, University Politehnica of Bucharest, IOSUD
Main activities and responsibilities	Doctoral supervision
Name and address of employer	University POLITENICA of Bucharest, Splaiul Independenței 313, PC 060032, sector 6, Bucharest, ROMANIA
Type of business or sector	High Education
Dates	October 2020-2023
Occupation or position held	Associate Professor in Faculty of Aerospace Engineering
Main activities and responsibilities	Didactic activities, Research activities
Name and address of employer	University POLITENICA of Bucharest, Splaiul Independenței 313, PC 060032, sector 6, Bucharest, ROMANIA
Type of business or sector	High Education
Dates	October 2014-2020
Occupation or position held	Lecturer in Faculty of Aerospace Engineering
Main activities and responsibilities	Didactic activities, Research activities
Name and address of employer	University POLITENICA of Bucharest, Splaiul Independenței 313, PC 060032, sector 6, Bucharest, ROMANIA
Type of business or sector	High Education
Dates	December 2014-2017
Occupation or position held	Senior Scientist
Main activities and responsibilities	Research Activity
Name and address of employer	National Research and Development Institute for Gas Turbines COMOTI 220 D Iuliu Maniu Bd., sector 6, cod 061126, OP 76, CP174 Bucharest, Romania.
Type of business or sector	Acoustic research
Education and training	
Dates	2022
Title of qualification awarded	Habited in the Field of Doctoral Studies in Aerospace Engineering, Habilitation Certificate (Order of the Ministry of Education and Research 4001/08.06.2022)
Principal subjects/occupational skills covered	Title of the habilitation thesis: "Contributions in the field of environmental aviation" Doctoral supervision in the Field of Doctoral Studies in Aerospace Engineering
Name and type of organization providing education and training	University POLITENICA of Bucharest Faculty of Aerospace Engineering
Level in national or international classification	Category 1 - Advanced Research and Education University
Dates	October 2010-february 2014
Title of qualification awarded	Doctoral Degree
Principal subjects/occupational skills covered	Thesis "Contributions regarding noise attenuation of the jets gas nozzles using complex chevrons systems" scientific advisor: Professor V. Stanciu

Name and type of organization providing education and training	University POLITENICA of Bucharest Faculty of Aerospace Engineering				
Level in national or international classification	Doctoral Studies				
Dates	October 2009- June 2011				
Title of qualification awarded	Master Degree				
Principal subjects/occupational skills covered	Master in Aerospace Propulsion and Environmental Protection				
Name and type of organization providing education and training	University POLITENICA of Bucharest Faculty of Aerospace Engineering				
Level in national or international classification	Master Studies				
Dates	October 2006- June 2010				
Title of qualification awarded	Bachelor of Science				
Principal subjects/occupational skills covered	Plasma Physics, Spectroscopy and Physics of Lasers, Nuclear Physics, Physics of Solid, Electrical and Magnetism, Physics Quantum, Mechanics Diploma "Plasma Propulsion"				
Name and type of organization providing education and training	University of Bucharest Faculty of Physics				
Level in national or international classification	Higher Education				
Dates	October 2004- June 2009				
Title of qualification awarded	Bachelor of Science				
Principal subjects/occupational skills covered	Mathematics, Gaz dynamics, Calculation and construction of turbomachines, piston engines, rocket propulsion, Airplane mechanics, Diploma "Liquid oxygen and liquid hydrogen engine rocket in a single stage for suborbital flights"				
Name and type of organization providing education and training	University POLITENICA of Bucharest Faculty of Aerospace Engineering				
Level in national or international classification	Higher Education				
Personal skills and competences					
Mother tongue	Romanian				
Other language	English				
Self-assessment	Understanding		Speaking		Writing
<i>European level (*)</i>	Listening	Reading	Spoken interaction	Spoken production	written expression
English	B2 Advanced	B2 Advanced	B2 Advanced	B2 Advanced	B2 Advanced
Social skills and competences	Good team working				

Organizational skills and competences	<ul style="list-style-type: none"> • Experience (including managerial experience) in management of national projects. • Diploma for the Innovation Manager Course organized by the ATHENA Center
Technical and Scientific Competences	<p>Skills and competences in: analysis of propulsion systems, CAD, CFX-Ansys, pollution reduction, biofuels and green propellants, ignition and testing turbojet engines, propulsion systems, acoustics and signal processing, etc, also skills in management of human and material resources; in project management, in disseminating research results.</p>
Computer skills and competences	<p>Strong Knowledge of software's:</p> <ul style="list-style-type: none"> • RPA - Racket propulsion analysis • GasTurb • ANSYS- CFX, • Solid Edge, CATIA • Fortran, • Math CAD, • Microsoft Office.
Didactical competences	<p>Titular of the courses:</p> <ul style="list-style-type: none"> • Space propulsion systems • Propulsion system technologies • Elements of Gas Turbine Propulsion • Introduction to aerospace engineering • Transient Processes in Turbine Engines • Heat transfer in turboengines • Environmental Aviation • Acoustics and Noise Pollution in Aviation <ul style="list-style-type: none"> • Team Leader of "Space Piranhas" Students Team- University POLITEHNICA of Bucharest Faculty of Aerospace Engineering , at The Aerospace Challenge 2016-2017, where they won the "The Airbus Safran Launchers" • Tutor for the students who visited the Faculty of Aerospace Engineering as part of the project „Hai la facultate! Program de vară pentru elevi de liceu – StudUPB” in 2021, 2022 and 2023 • Tutor for first-year students at the Faculty of Aerospace Engineering. • Member of the Faculty of Aerospace Engineering Council. • Member of the Doctoral School of Aerospace Engineering Council. • Merit rating for the period 2022-2027
Awards Received	<p>Gold Medal at the International Innovation and Invention Show EURO POLITEHNICUS 2024, held from November 22-23 th, 2024, in Bucharest, awarded for the "Integrated test bench for micro-turbogenerators under conditions simulating their application on UAV eith remote control via WI-FI." Authors: Tiberius-Florian Frigioescu, Gabriel-Petre Badea, Madalin Dombrovshi, Grigore Cican, Maria Caldara</p> <p>Gold Medal at the International Innovation and Invention Show EURO POLITEHNICUS 2024, held from November 22-23 th, 2024, in Bucharest, awarded for the "Fixed-Wing UAV with Vertical Takeoff/Landing System, with Tri-Rotor Propulsion System, and Method of Intercepting the Specific Sound Emitted by Thermal Engine-Powered Chainsaw." Authors: Tiberius-Florian Frigioescu, Gabriel-Petre Badea, Victoras-Florentin Anghel, Grigore Cican, Mihaela-Raluca Condruz, Marius-Adrian Dima</p> <p>Gold Medal at the XVI th edition of the International Exhibition EUROINVENT, held from June 8 th, 2024, in Iasi, awarded for the "Fixed-Wing UAV with Vertical Takeoff/Landing System, with Tri-Rotor Propulsion System, and Method of Intercepting the Specific Sound Emitted by Thermal Engine-Powered Chainsaw." Authors: Tiberius-Florian Frigioescu, Gabriel-Petre Badea, Victoras-Florentin Anghel, Grigore Cican, Mihaela-Raluca Condruz, Marius-Adrian Dima</p>

Gold Medal at the 4th edition of the International Exhibition INVENCOR, held from September 14th to 16th, 2023, in Deva, awarded for the "Fixed-Wing UAV with Vertical Takeoff/Landing System, with Tri-Rotor Propulsion System, and Method of Intercepting the Specific Sound Emitted by Thermal Engine-Powered Chainsaw." Authors: Tiberius-Florian Frigioescu, Gabriel-Petre Badea, Victoras-Florentin Anghel, **Grigore Cican**, Mihaela-Raluca Condruz, Marius-Adrian Dima

Gold Medal at the XVIII th edition of the International Exhibition INFOINVENT, held from November 22th to 24th, 2023, in Chisinau, awarded for the "Fixed-Wing UAV with Vertical Takeoff/Landing System, with Tri-Rotor Propulsion System, and Method of Intercepting the Specific Sound Emitted by Thermal Engine-Powered Chainsaw." Authors: Tiberius-Florian Frigioescu, Gabriel-Petre Badea, Victoras-Florentin Anghel, **Grigore Cican**, Mihaela-Raluca Condruz, Marius-Adrian Dima

UEFISCDI/PN III PRECISI Award for "Recognition of Research Results" in 2020 for the work:

Cican, G.; Deaconu, M.; Mirea, R.; Ceatra, L.; Cretu, M.; Dobre, T. Investigating the Use of Recycled Pork Fat-Based Biodiesel in Aviation Turbo Engines. Processes 2020, 8, 1196. <https://doi.org/10.3390/pr8091196>

Cod project: PN-III-P1-1.1-PRECISI-2020-52146

UEFISCDI/PN III PRECISI Award for "Recognition of Research Results" in 2020 for the work:

Sandu, C.; Silivestru, V.; **Cican, G.**; Șerbescu, H.; Tipa, T.; Totu, A.; Radu, A. On a New Type of Combined Solar–Thermal/Cold Gas Propulsion System Used for LEO Satellite’s Attitude Control. Appl. Sci. 2020, 10, 7197. <https://doi.org/10.3390/app10207197>

Cod project: PN-III-P1-1.1-PRECISI-2020-52512

UEFISCDI/PN III PRECISI Award for "Recognition of Research Results" in 2021 for the work:

Cican, G.; Deaconu, M.; Crunteanu, D.-E. Impact of Using Chevrons Nozzle on the Acoustics and Performances of a Micro Turbojet Engine. Appl. Sci. 2021, 11, 5158. <https://doi.org/10.3390/app11115158>

Cod project: PN-III-P1-1.1-PRECISI-2021-64306

UEFISCDI/PN III PRECISI Award for "Recognition of Research Results" in 2021 for the work:

Cican, G.; Deaconu, M.; Mirea, R.; Ceatra, L.C.; Cretu, M. An Experimental Investigation to Use the Biodiesel Resulting from Recycled Sunflower Oil, and Sunflower Oil with Palm Oil as Fuels for Aviation Turbo-Engines. Int. J. Environ. Res. Public Health 2021, 18, 5189. <https://doi.org/10.3390/ijerph18105189>

Cod project: PN-III-P1-1.1-PRECISI-2021-63477

UEFISCDI/PN III PRECISI Award for "Recognition of Research Results" in 2021 for the work:

Deaconu, M.; Cican, G.; Toma, A.-C.; Drăgășanu, L.I. Helicopter Inside Cabin Acoustic Evaluation: A Case Study—IAR PUMA 330. Int. J. Environ. Res. Public Health 2021, 18, 9716. <https://doi.org/10.3390/ijerph18189716>

Cod project:PN-III-P1-1.1-PRECISI-2021-64995

Reviewer of ISI and BDI journals	<ul style="list-style-type: none"> • Journal of Cleaner Production, • International Journal of Numerical Methods for Heat & Fluid Flow, • Sustainability, • Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, • Aircraft Engineering and Aerospace Technology, • Journal of the Brazilian Society of Mechanical Sciences and Engineering • Energies, • Aerospace, • Processes, • Electronics, • Applied Sciences, • World Electric Vehicle Journal, • Acoustics, • Sensors, • Mathematics, • Fuels, • INCAS BULLETIN
Member of Editorial Boards	<p>Scientific Journal TURBO, ISSN (online): 2559-608X, http://www.comoti.ro/docs/jurnal/Jurnal%20TURBO%20Vol%20VIII%20No%201%202021.pdf</p> <p>Scientific Board Member in the Technium Romanian Journal of Applied Sciences and Technology https://techniumscience.com/index.php/technium/about/editorialTeam</p>
Guest Editor	<p>Guest Editor of Special Issue, "Recent Advances in Biofuels Production and Usage: Challenges and Solutions" for ENERGIES Journal, https://www.mdpi.com/journal/energies/special_issues/7OSWMND0LN</p>
Publications	<p>7 books 2 courses 1 problem collections 1 laboratory guide</p> <p>Published 50 articles in indexed and ISI-rated journals. Published 5 ISI proceedings articles. Published 15 articles in BDI databases. A patent application</p>
Web of Science Researcher ID	https://www.webofscience.com/wos/author/record/2019242
Scopus Author ID	https://www.scopus.com/authid/detail.uri?authorId=55919134800
Google Academic Profile	https://scholar.google.ro/citations?hl=ro&user=b5lsszQAAAAJ
UEFICD ID	U-1700-032K-0274 https://www.brainmap.ro/grigore-cican
Driving License	Type B and C
Annex	Main Research Contributions (books, published papers, conferences proceedings, projects) in work list

01.06.205

Prof. Habil. Dr. Eng. Grigore Cican

ANNEX

Published papers

BOOKS

1. Valentin Silivestru, **Grigore Cican**, Experimental analysis of jet engine operating regimes, **Editura AGIR**, Bucuresti 2025, ISBN 978-973-720-934-4, **111 pages**
2. Alina Bogoi, **Grigore Cican**, Daniel Eugeniu Crunteanu, *Fundamentals of acoustic*, **Editura Monitorul Oficial**, Bucuresti, 2024, ISBN 978-973-0-39795-6, **343 pages**
3. Alina Bogoi, **Grigore Cican**, Laurentiu Cristea, *Bazele acusticii, concepte teoretice si aplicatii*, **Editura Monitorul Oficial**, Bucuresti, 2024, ISBN 978-973-0-39801-4, **279 pages**
4. Marius Deaconu, Laurentiu Cristea, **Grigore Cican**, *Acustica in Inginerie*, **Editura Printech**, Bucuresti, 2021, ISBN 978-606-23-1272-5, **229 pages**
5. **Grigore Cican**, *Introducere in inginerie aerospaciala-curs*, **Editura Printech**, Bucuresti, 2020, ISBN 978-606-23-1158-2, **193 pages**
6. **Grigore Cican**, *Sisteme de propulsie spatiala-Propulsia electrica*, **Editura Printech**, Bucuresti, 2018, **293 pages**
7. **Grigore Cican**, Virgil Stanciu, *Tehnologii de fabricatie a sistemelor de propulsie pentru aviatie- curs universitar*, **Editura Printech**, Bucuresti, 2017, ISBN 978-606-23-0767-7, **270 pages**
8. **Grigore Cican**, Marius Brebenel, *Procesee tranzitorii in turbomotoare-Indrumar de laborator*, **Editura Printech**, Bucuresti, 2017, ISBN 978-606-23-0766-0, **124 pages**
9. **Grigore Cican**, Valentin Silivestru, Virgil Stanciu, Razvan Catana, *Pornirea turbomotoarelor, Procese si experimente*, **Editura Printech**, Bucuresti, 2016, ISBN 978-606-23-0683-0, **172 pages**
10. **Grigore Cican**, Virgil Stanciu, *Sisteme de propulsie si corectie spatiala -aplicatii*, **Editura Printech**, Bucuresti, 2015, ISBN 978-606-23-0469-0, **150 pages**
11. **Grigore Cican**, Virgil Stanciu, *Simularea performantelor turbomotoarelor de aviatie in fortran*, **Editura Printech**, Bucuresti, 2015, ISBN 978-606-23-0310-5, **419 pages**

SCIENTIFIC ARTICLES

Articles published in ISI journals

1. Osman, S.; Ceatra, L.; **Cican, G.**; Mirea, R. Physicochemical Properties of Jet-A/n-Heptane/Alcohol Blends for Turboengine Applications. *Inventions* 2025, 10, 3. <https://doi.org/10.3390/inventions10010003> , **I.F. 2.1-Q2**
2. Silivestru, V.; **Cican, G.**; Mirea, R.; Osman, S.; Ene, R. Experimental Evaluation of the Impact on Turbo Engine's Performance and Gaseous Emissions While Using n-Heptane Octanol/Jet-A Blends. *Sustainability* 2025, 17, 3924. <https://doi.org/10.3390/su17093924>,
3. **Cican, G.**; Silivestru, V.; Mirea, R.; Osman, S.; Popescu, F.; Sapunaru, O.V.; Ene, R. Performance and Emissions Assessment of a Micro-Turbojet Engine Fueled with Jet A and Blends of Propanol, Butanol, Pentanol, Hexanol, Heptanol, and Octanol. *Fire* 2025, 8, 150. <https://doi.org/10.3390/fire8040150>
4. Suatean, B.; **Cican, G.**; Guilain, S.; De-Paz-Alcolado, G. Optimization of Hydrogen Combustion in Diesel Engines: A CFD-Based Approach for Efficient Hydrogen Mixing and Emission Reduction. *Fuels* 2025, 6, 27. <https://doi.org/10.3390/fuels6020027>
5. Bogoi, A.; **Cican, G.**; Gall, M.; Totu, A.; Crunțeanu, D.E.; Levențiu, C. Comparative Study of Noise Control in Micro Turbojet Engines with Chevron and Ejector Nozzles Through Statistical, Acoustic and Imaging Insight. *Appl. Sci.* 2025, 15, 394. <https://doi.org/10.3390/app15010394> , **I.F. 2.5-Q1**
6. **Cican G**, Mirea R. Performance and environmental impact of ethanol-kerosene blends as sustainable aviation fuels in micro turbo-engines. *International Journal of Engine Research*. 2024;25(12):2204-2214. doi:10.1177/14680874241264750 , **I.F. 2.3-Q2**

7. Tărăbîc, C.M., **Cican, G.**, Dediu, G. i Catană, R.M. (2024). Updating a Didactical Piston Engine Test Bench, from Analogue Instrumentation to Digital. **Tehnički vjesnik**, 31 (4), 1087-1094. <https://doi.org/10.17559/TV-20230315000440>, **I.F. 1-Q3**
8. Totu, A.-G.; Deaconu, M.; Cristea, L.; Bogoi, A.; Crunțeanu, D.-E.; **Cican, G.** Experimental Analysis of Acoustic Spectra for Leading/Trailing-Edge Serrated Blades in Cascade Configuration. **Processes** 2024, 12, 2613. <https://doi.org/10.3390/pr12112613>, **I.F. 2.8-Q2**
9. Totu, A.-G.; Olariu, C.-T.; Trifu, A.-T.; Totu, A.-C.; **Cican, G.** Development and Assessment of a Miniaturized Test Rig for Evaluating Noise Reduction in Serrated Blades Under Turbulent Flow Conditions. **Acoustics** 2024, 6, 978-996. <https://doi.org/10.3390/acoustics6040054>, **I.F. 1.3-Q3**
10. Tărăbîc, C.M.; **Cican, G.**; Olariu, C.; Dediu, G.; Catană, R.M. Test Stand for Microjet Engine Prototypes. **Machines** 2024, 12, 688. <https://doi.org/10.3390/machines12100688>, **I.F. 2.1-Q2**
11. **Cican, G.**; Mirea, R. An Experimental Insight into the Use of N-Butanol as a Sustainable Aviation Fuel. **Fire** 2024, 7, 313. <https://doi.org/10.3390/fire7090313>, **I.F. 3-Q1**
12. Catana, R.M.; **Cican, G.**; Badea, G.-P. Thermodynamic Analysis and Performance Evaluation of Microjet Engines in Gas Turbine Education. **Appl. Sci.** 2024, 14, 6754. <https://doi.org/10.3390/app14156754>, **I.F. 2.5-Q1**
13. **Cican, G.**; Mirea, R.; Căldărar, M. Comparative Analysis of Aeroshell 500 Oil Effects on Jet A and Diesel-Powered Aviation Microturbines. **Fuels** 2024, 5, 347-363. <https://doi.org/10.3390/fuels5030020>, **I.F. 2.7-Q3**
14. Dombrovski, M.; Deaconu, M.; Cristea, L.; Frigioescu, T.F.; **Cican, G.**; Badea, G.-P.; Totu, A.-G. Acoustic Analysis of a Hybrid Propulsion System for Drone Applications. **Acoustics** 2024, 6, 698-712. <https://doi.org/10.3390/acoustics6030038>, **I.F. 1.3-Q3**
15. **Cican, G.**; Mirea, R.; Rimbu, G. Experimental Evaluation of Methanol/Jet-A Blends as Sustainable Aviation Fuels for Turbo-Engines: Performance and Environmental Impact Analysis. **Fire** 2024, 7, 155., **I.F. 3.2-Q1**, <https://doi.org/10.3390/fire7050155>
16. Badea, G.P.; Frigioescu, T.F.; Dombrovski, M.; **Cican, G.**; Dima, M.; Anghel, V.; Crunteanu, D.E. Innovative Hybrid UAV Design, Development, and Manufacture for Forest Preservation and Acoustic Surveillance. **Inventions** 2024, 9, 39., **I.F. 3.4-Q1**, <https://doi.org/10.3390/inventions9020039>
17. Totu, A.-G.; **Cican, G.**; Crunțeanu, D.-E. Serrations as a Passive Solution for Turbomachinery Noise Reduction. **Aerospace** 2024, 11, 292. **I.F. 2.6-Q1**, <https://doi.org/10.3390/aerospace11040292>
18. **Cican, G.** Experimental Transient Process Analysis of Micro-Turbojet Aviation Engines: Comparing the Effects of Diesel and Kerosene Fuels at Different Ambient Temperatures. **Energies** 2024, 17, 1366. **I.F. 3.2-Q3**, <https://doi.org/10.3390/en17061366>
19. Corcau, J.-I.; Dinca, L.; **Cican, G.**; Ionescu, A.; Negru, M.; Bogateanu, R.; Cucu, A.-A. Studies Concerning Electrical Repowering of a Training Airplane Using Hydrogen Fuel Cells. **Aerospace** 2024, 11, 218. **I.F. 2.6-Q1**, <https://doi.org/10.3390/aerospace11030218>
20. **Cican, G.**; Paraschiv, A.; Buturache, A.N.; Hapenciuc, A.I.; Mitrache, A.; Frigioescu, T.-F. Experimental Research into an Innovative Green Propellant Based on Paraffin–Stearic Acid and Coal for Hybrid Rocket Engines. **Inventions** 2024, 9, 26. **I.F. 3.4-Q1**, <https://doi.org/10.3390/inventions9020026>
21. Mirea, R.; **Cican, G.** Lab Scale Investigation of Gaseous Emissions, Performance and Stability of an Aviation Turbo-Engine While Running on Biodiesel Based Sustainable Aviation Fuel. **Inventions** 2024, 9, 16. **I.F. 3.4-Q1**, <https://doi.org/10.3390/inventions9010016>
22. M. Deaconu, **G. Cican**, L. Dragasanu, and L. Cristea, “A Resonator Noise Reduction Solution for a Centrifugal Gas Compressor”, **Eng. Technol. Appl. Sci. Res.**, vol. 14, no. 1, pp. 12561–12566, Feb. 2024, **I.F. 1.5-Q2**.
23. C. D. Coman, D. E. Crunteanu, **G. Cican**, and M. Stoia-Djeska, “Geometry Effects on Joint Strength and Failure Modes of Hybrid Aluminum-Composite Countersunk bolted Joints”, **Eng. Technol. Appl. Sci. Res.**, vol. 14, no. 1, pp. 12759–12768, Feb. 2024, **I.F. 1.5-Q2**.
24. **Cican Grigore**, Mirea Radu, The impact of Covid-19 on air quality in Bucharest, Romania, 2024, **Journal of Environmental Engineering and Science**, P 57-73, V 19, N 2,R 10.1680/jenes.22.00086, **I.F. 0.7-Q4**, <https://www.icvirtuallibrary.com/doi/abs/10.1680/jenes.22.00086>
25. R. Mirea, **G. Cican**, and M. Cretu, “Evaluation of Aircraft Emissions at Bucharest Henri Coanda Airport”, **Eng. Technol. Appl. Sci. Res.**, vol. 13, no. 5, pp. 11829–11836, Oct. 2023, **I.F. 1.5-Q2**.
26. **G. Cican**, I. F. Popa, A. N. Buturache, and A. I. Hapenciuc, “Design, Manufacturing, and Testing Process of a Lab Scale Test Bench Hybrid Rocket Engine”, **Eng. Technol. Appl. Sci. Res.**, vol. 13, no. 6, pp. 12039–12046, Dec. 2023, **I.F. 1.5-Q2**.
27. Frigioescu, T.-F.; Badea, G.P.; Dombrovski, M.; Condruz, M.R.; Crunțeanu, D.-E.; **Cican, G.** The Design and Development of a UAV’s Micro-Turbogenerator System and the Associated Control Testing Bench. **Electronics** 2023, 12, 4904. **I.F. 2.9-Q2**. <https://doi.org/10.3390/electronics12244904>

28. **Cican, G.**; Gall, M.; Bogoi, A.; Deaconu, M.; Crunțeanu, D.E. Experimental Investigation of a Micro Turbojet Engine Chevrons Nozzle by Means of the Schlieren Technique. *Inventions* 2023, 8, 145. **I.F. 3.4-Q1.** <https://doi.org/10.3390/inventions8060145>
29. Bogoi, A.; Dan, C.-I.; Strătilă, S.; **Cican, G.**; Crunteanu, D.-E. Assessment of Stochastic Numerical Schemes for Stochastic Differential Equations with “White Noise” Using Itô’s Integral. *Symmetry* 2023, 15, 2038. **I.F. 2.7-Q2.** <https://doi.org/10.3390/sym15112038>
30. Toma, Adina Cristina, **Grigore Cican**, and Daniel-Eugeniu Crunteanu. 2023. "Enhancing Air Traffic Management and Reducing Noise Impact: A Novel Approach Integrating Băneasa Airport with Otopeni RO Airport" *Applied Sciences* 13, no. 16: 9139. **I.F. 2.7-Q2.** <https://doi.org/10.3390/app13169139>, <https://www.mdpi.com/2076-3417/13/16/9139>
31. Condruz, Mihaela-Raluca, Alexandru Paraschiv, Teodor-Adrian Badea, Daniel Useriu, Tiberius-Florian Frigioescu, Gabriel Badea, and **Grigore Cican**. 2023. "A Study on Mechanical Properties of Low-Cost Thermoplastic-Based Materials for Material Extrusion Additive Manufacturing" *Polymers* 15, no. 14: 2981. **I.F. 5-Q1.** <https://doi.org/10.3390/polym15142981>, <https://www.mdpi.com/2073-4360/15/14/2981>
32. **Cican, G.**; Buturache, A.-N.; Mirea, R. Applying Machine Learning Techniques in Air Quality Prediction—A Bucharest City Case Study. *Sustainability* 2023, 15, 8445. **I.F. 3.9-Q2.** <https://doi.org/10.3390/su15118445>, <https://www.mdpi.com/2071-1050/15/11/8445>
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PATENTS AND PATENT APPLICATIONS

1. RO138102A0 UNMANNED AIRCRAFT WITH FIXED WING, WITH VERTICAL TAKE OFF/LANDING SYSTEM, WITH THREE ROTOR PROPELLING SYSTEM AND METHOD OF INTERCEPTING SPECIFIC SOUNDS EMITTED BY A POWER-SAW WITH HEAT ENGINE.
Inventors: FRIGIOESCU TIBERIUS FLORIAN [RO]; BADEA PETRE- GABRIEL [RO]; ANGHEL VICTORAȘ-FLORENTIN [RO]; **CICAN GRIGORE [RO]**; CONDRUZ MIHAELA RALUCA [RO]; DIMA MARIUS ADRIAN [RO]

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Project manager:

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1. **Reevaluation and revision of action plans for reducing ambient noise in the municipality of Craiova**, Public procurement subcontracting contract for consultancy services No. 1400/19.09.2018
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1.06.2025

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