

LISTA DE LUCRĂRI RELEVANTE

Victor-Florin CONSTANTIN - Dr. din 2014, conferențiar din 2021.

0o Lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii, care sunt incluse în format electronic în dosar și care se pot regăsi și în celelalte categorii de lucrări revazute în lista de lucrări.

Constantin, V.; Comeagă, D.; Grănescu, B.; Besnea, D.; Moraru, E. The Design and Testing of an Additive Manufacturing-Obtained Compliant Mechanism for the Complex Personalisation of Lenses in Clinical Optometry. Appl. Sci. 2023, 13, 13010. https://doi.org/10.3390/app132413010 , WOS:001131484700001
Constantin, V.; Besnea, D.; Gramescu, B.; Moraru, E. Aspects Related to the Design and Manufacturing of an Original and Innovative Marker Support System for Use in Clinical Optometry. Appl. Sci. 2023, 13, 2859. https://doi.org/10.3390/app13052859 , WOS:000947491300001
Constantin, Victor, Daniel Comeagă, Bogdan Grănescu, Daniel Besnea, Adrian Cartal, and Edgar Moraru. 2024. "Mechatronic Device Used to Evaluate the Performance of a Compliant Mechanism and Image Processing System in Determining Optometric Parameters" Applied Sciences 14, no. 12: 5345. https://doi.org/10.3390/app14125345 WOS:001254524600001
Constantin, Victor, Daniel Comeagă, Bogdan Grănescu, Daniel Besnea, and Edgar Moraru. 2023. "The Design and Testing of an Additive Manufacturing-Obtained Compliant Mechanism for the Complex Personalisation of Lenses in Clinical Optometry" Applied Sciences 13, no. 24: 13010. https://doi.org/10.3390/app132413010 WOS:001131484700001
Vlăsceanu, Alexandru, Mihai Avram, Victor Constantin, and Edgar Moraru. 2025. "Research on Indoor Positioning Systems and Autonomous Mechatronic Systems for Surveillance of Intrabuilding Zones" Applied Sciences 15, no. 2: 918. https://doi.org/10.3390/app15020918 WOS:001403999500001
Philip Coanda, Mihai Avram, Victor Constantin, Novel Software Simulation And Test Method For A Received Signal Strength Indicator-Based Indoor Positioning System, Revue Roumaine Des Sciences Techniques-Serie Electrotechnique Et Energetique, Volume: 65, Issue: 3-4, Pages: 253-257 , Published: JUL-DEC 2020, WOS: 000608261900016
Coandă, P., Avram, M., Constantin, V. , A state of the art of predictive maintenance techniques, IOP Conference Series: Materials Science and Engineering, 2020, Pages 150-159 10.1088/1757-899X/997/1/012039
Constantin, V., Dana, R. and Rizescu, C., 2017. Colour based sorting station with Matlab simulation. MATEC Web of Conferences, Pages 121-127 , p.08004., WOS: 435283800098
Constantin, V., Rizescu, C.I., Ciocan, M., Rizescu, D., Study concerning a robotic system with matlab/openCV post-processing, Mechanisms and Machine Science, 2018, Pages 121-129 10.1007/978-3-319-61276-8 14,

Data 24.03.2025

Candidat,

Conf. dr. ing. Victor-Florin CONSTANTIN

Semnătura.....

Facultatea de Inginerie Mecanică și Mecatronică,
Departamentul de Mecatronică și Mecanică de Precizie

LISTA DE LUCRĂRI

Victor-Florin CONSTANTIN - Dr. din 2014, conferențiar din 2021.

I. TEZA (E) DE DOCTORAT (T)

T1	“Cercetari privind metode hardware si software de compensare a efectelor perturbatiilor in sistemele de pozitionare pneumatica” – Sustinuta public in data de 09.05.2014.
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II. CĂRȚI PUBLICATE (C)

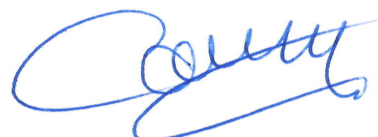
Ca1	Constantin Victor Florin , Utilizarea echipamentelor hidraulice si pneumatice in sistemele de actionare mecatronice, ISBN 978-606-23-1201-5, 150 pagini, Editura PRINTECH, 2021
Ca2	Constantin Victor Florin , Programare orientata-obiect pentru sisteme mecatronice, ISBN 978-606-23-1200-8, 120 pagini, Editura PRINTECH, 2021
Ca3	Constantin Victor Florin , Abordari moderne în mecatronică și robotică Partea I: Internet of Things pentru sisteme mecatronice, ISBN 978-606-23-1635-8, 135 pagini, Editura PRINTECH, 2025

III. ALTE MATERIALE PUBLICATE (I,D)

IV. ARTICOLE / STUDII IN EXTENSO PUBLICATE (R,V)

Ris - Reviste de specialitate de circulație internațională recunoscute (cotate / indexate ISI Thomson Reuters, sau indexate in alte Baze de Date Internationale - BDI specifice domeniului, care fac un proces de selectie a revistelor pe baza unor criterii de performanta). *Se mentioneaza la fiecare lucrare includerea in Baza ISI [Accession Number, WOS=..., ultimul Factor Impact, ISSN] si/sau denumirea altei (altor) BDI.*

Ris1	Philip Coanda, Mihai Avram, Victor Constantin , Novel Software Simulation And Test Method For A Received Signal Strength Indicator-Based Indoor Positioning System, Revue Roumaine Des Sciences Techniques-Serie Electrotechnique Et Energetique, Volume: 65, Issue: 3-4, Pages: 253-257, Published: JUL-DEC 2020, WOS: 000608261900016
Ris2	Besnea, Daniel; Dinu, Elena; Moraru, Edgar; Spanu, Alina; Rizescu, Ciprian; Constantin, Victor , Experimental Researches Regarding the Manufacturing of New Thermoplastic Materials Used in Additive Technologies, MATERIALE PLASTICE, MAR, 2019, 56, 1, Pages 167-170, WOS:000464604100033,
Ris3	Spanu, A.R., Besnea, D., Avram, M., Constantin, V. , Laser mechatronic system used for accurate measurement of spatial shapes, Optoelectronics and Advanced Materials, Rapid Communications, 2014, Pages 1-6 WOS:000331369200001
Ris4	Avram, Mihai; Constantin, Victor ; Nitu, Constantin; Bucsan, Constantin A Method for Improving the Positioning Accuracy of Linear Pneumatic Actuators CONTROL ENGINEERING AND APPLIED INFORMATICS Article MAR 2017 Pages: 85-93 WOS:000397183900009
Ris5	Avram, Mihai; Duminica, Despina; Bucsan, Constantin; Constantin, Victor Hardware and Software Structure of a Pneumo-Hydraulic Positioning System CONTROL ENGINEERING AND APPLIED INFORMATICS, JUN 2011, Pages: 20-25, WOS:000291119400004
Ris6	Constantin, V. , Rizescu, C.I., Ciocan, M., Rizescu, D., Study concerning a robotic system with matlab/openCV post-processing, Mechanisms and Machine Science, 2018, Pages 121-129 WOS:000434201700014, 10.1007/978-3-319-61276-8_14
Ris7	Constantin, V. , Belforte, G., Dontu, O., Avram, M., Pneumatic positioning system, UPB Scientific Bulletin, Series D: Mechanical Engineering, 2014, Pages 1-12, ISSN 1454-2358
Ris8	Constantin, V. , Avram, M., Miu, S., Bucsan, C., Control system for Pneumatic Robot, Romanian Review Precision Mechanics, Optics and Mechatronics, 2011, Pages 86-89, https://www.scopus.com/inward/record.uri?eid=2-s2.0-79960683929&partnerID=40&md5=067130e4f2392441e21dd1f6d18494ba



Ris9	Rizescu, C.I., Constantin, V. , Rizescu, D., Besnea, D., Noise Analyses for Rolling Bearings, Lecture Notes in Networks and Systems, 2020 Pages 74–81 , 10.1007/978-3-030-26991-3_8, https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069497620&doi=10.1007%2f978-3-030-26991-3_8&partnerID=40&md5=0b68c857bf5d8147b65e095f6e9aa66c
Ris10	Moraru, E., Besnea, D., Dontu, O., Gheorghe, G.I., Constantin, V. , Applications of Additive Technologies in Realization of Customized Dental Prostheses, Lecture Notes in Networks and Systems, 2019, Pages 8-17 10.1007/978-3-319-96358-7_2, https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063124534&doi=10.1007%2f978-3-319-96358-7_2&partnerID=40&md5=5800fb0e27b82782c9df15bd14ca1bf6
Ris11	Besnea, D., Dontu, O., Constantin, V. , Spanu, A., Rizescu, C., Moraru, E., Applications of Additive Technologies in the Food Industry, Lecture Notes in Networks and Systems, 2019, Pages 56-61 , 10.1007/978-3-319-96358-7_6, https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063149432&doi=10.1007%2f978-3-319-96358-7_6&partnerID=40&md5=8bac50b5a0d29ee7765385f67de5827b
Ris12	Besnea, D., Rizescu, D., Rizescu, C., Dinu, E., Constantin, V. , Moraru, E., Additive Technologies and Materials for Realization of Elastic Elements, Lecture Notes in Networks and Systems, 2019, Pages 62-70 , 10.1007/978-3-319-96358-7_7, https://www.scopus.com/inward/record.uri?eid=2-s2.0-85063132825&doi=10.1007%2f978-3-319-96358-7_7&partnerID=40&md5=8d3a8b3aa5eef22685e3cbcb53ca7356
Ris13	Besnea, D., Rizescu, D., Rizescu, C.I., Constantin, V. , Spanu, A., Additive technologies and materials used for making customised glasses frames, International Journal of Mechatronics and Applied Mechanics, 2018, Pages 249-254 , https://www.scopus.com/inward/record.uri?eid=2-s2.0-85051246813&partnerID=40&md5=795a4d1647320b38d2f6091d59f19ce5
Ris14	Besnea, D., Gheorghe, G.I., Dontu, O., Moraru, E., Constantin, V. , Moga, I.C., Experimental researches regarding realization of wastewater treatment elements by means of modern technologies, International Journal of Mechatronics and Applied Mechanics, 2018, Pages 61-65 , https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061579436&partnerID=40&md5=77770717ad219c76c7ea69e6383b9944
Ris15	Rodica, S.A., Constantin, V. , The using of additive manufacturing for prototype production of moulds, International Journal of Mechatronics and Applied Mechanics, 2017, Pages 7-11 , https://www.scopus.com/inward/record.uri?eid=2-s2.0-85029813923&partnerID=40&md5=3bb63fb9b844fdad542d63719e7becf1
Ris16	Besnea, D., Spanu, A., Constantin, V. , The main factors affecting the accuracy during the manufacturing process based on material extrusion, International Journal of Mechatronics and Applied Mechanics, 2017, Pages 59-65 , https://www.scopus.com/inward/record.uri?eid=2-s2.0-85045023866&partnerID=40&md5=ff7b35c4142e95d04a1a1959c1e202a8
Ris17	Besnea, D., Avram, M., Constantin, V. , Spanu, A., Andrei, C.L., Additive micromanufacturing technologies for composite materials based on nanotubes and polymers, Romanian Review Precision Mechanics, Optics and Mechatronics, 2016, Pages 16-19 , https://www.scopus.com/inward/record.uri?eid=2-s2.0-85006039311&partnerID=40&md5=ae7dba8ddb6450d973d85c895edf45b6
Ris18	Avram, M., Constantin, V. , Rizescu, C.I., Speed and position control for a hydraulic rotary motor, Romanian Review Precision Mechanics, Optics and Mechatronics, 2014, Pages 63-67 , https://www.scopus.com/inward/record.uri?eid=2-s2.0-84929441574&partnerID=40&md5=a9364bb583111470776cf6782707b679
Ris19	Avram, M., Constantin, V. , Bucsan, C., Besnea, D., Spanu, A., Hardware structures for high precision pneumatic systems, Applied Mechanics and Materials, 2014, Pages 541-546 , 10.4028/www.scientific.net/AMM.658.541, https://www.scopus.com/inward/record.uri?eid=2-s2.0-84920686837&doi=10.4028%2fwww.scientific.net%2fAMM.658.541&partnerID=40&md5=48087df74612b0df4d8901310645e22d
Ris20	Avram, M., Bucsan, C., Constantin, V. , Negriila, C.F., Indexing module for accurate pneumatic actuating, Romanian Review Precision Mechanics, Optics and Mechatronics, 2013, Pages 68-72 , https://www.scopus.com/inward/record.uri?eid=2-s2.0-84929427667&partnerID=40&md5=ac851d513ce678b17db309615cb1bdae
Ris21	Avram, M., Constantin, V. , Bucsan, C., Control algorithms for a pneumatic positioning system, Romanian Review Precision Mechanics, Optics and Mechatronics, 2012, Pages 18-21 , https://www.scopus.com/inward/record.uri?eid=2-s2.0-84865605445&partnerID=40&md5=a30a71d5d2a5dfe667fa339a12182c3c

Ris22	Avram, M., Constantin, V. , Controlling of a pneumatic positioning system without proportional equipment, Romanian Review Precision Mechanics, Optics and Mechatronics, 2011, Pages 82-85 , https://www.scopus.com/inward/record.uri?eid=2-s2.0-79960679528&partnerID=40&md5=6bae56ffc99427d69d3ec22731aebc78
Ris23	Avram, M., Constantin, V. , Bucsan, C., Pneumatic positioning unit part III: The application software, Romanian Review Precision Mechanics, Optics and Mechatronics, 2010, Pages 105-108 , https://www.scopus.com/inward/record.uri?eid=2-s2.0-78651567966&partnerID=40&md5=0e9d10cce7c7c86e7d2aa8cf23381df4
Ris24	Avram, M., Bucsan, C., Constantin, V. , Pneumo-hydraulic positioning unit. part II: The control algorithm, Romanian Review Precision Mechanics, Optics and Mechatronics, 2010, Pages 15-19 , https://www.scopus.com/inward/record.uri?eid=2-s2.0-78651547670&partnerID=40&md5=42de7033a2b3b867198d11142deb269b
Ris25	Constantin, V. ; Comeagă, D.; Grănescu, B.; Besnea, D.; Moraru, E. The Design and Testing of an Additive Manufacturing-Obtained Compliant Mechanism for the Complex Personalisation of Lenses in Clinical Optometry. Appl. Sci. 2023, 13, 13010. https://doi.org/10.3390/app132413010 , WOS:001131484700001
Ris26	Constantin, V. ; Besnea, D.; Gramescu, B.; Moraru, E. Aspects Related to the Design and Manufacturing of an Original and Innovative Marker Support System for Use in Clinical Optometry. Appl. Sci. 2023, 13, 2859. https://doi.org/10.3390/app13052859 , WOS:000947491300001
Ris27	Constantin, Victor , Daniel Comeagă, Bogdan Grănescu, Daniel Besnea, Adrian Cartal, and Edgar Moraru. 2024. "Mechatronic Device Used to Evaluate the Performance of a Compliant Mechanism and Image Processing System in Determining Optometric Parameters" Applied Sciences 14, no. 12: 5345. https://doi.org/10.3390/app14125345 WOS:001254524600001
Ris28	Constantin, Victor , Daniel Comeagă, Bogdan Grănescu, Daniel Besnea, and Edgar Moraru. 2023. "The Design and Testing of an Additive Manufacturing-Obtained Compliant Mechanism for the Complex Personalisation of Lenses in Clinical Optometry" Applied Sciences 13, no. 24: 13010. https://doi.org/10.3390/app132413010 WOS:001131484700001
Ris29	Vlăscianu, Alexandru, Mihai Avram, Victor Constantin , and Edgar Moraru. 2025. "Research on Indoor Positioning Systems and Autonomous Mechatronic Systems for Surveillance of Intrabuilding Zones" Applied Sciences 15, no. 2: 918. https://doi.org/10.3390/app15020918 WOS:001403999500001
Ris30	Moraru, E.; Stoica, A.-M.; Donțu, O.; Cănanău, S.; Stoica, N.-A.; Constantin, V.; Cioboată, D.-D.; Bădiță-Voicu, L.-L. Mechanical and Surface Characteristics of Selective Laser Melting-Manufactured Dental Prostheses in Different Processing Stages. Materials 2023, 16, 6141. https://doi.org/10.3390/ma16186141 , WOS:001072682500001
Ris31	BESNEA, Daniel, Alina SPĂNU, Edgar MORARU, Elena DINU, & Victor-Florin CONSTANTIN. "3D POSITIONING DEVICE FOR SIMULATING THE OPERATION OF WIND SYSTEM." ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING [Online], 65.4S (2022): n. pag. Web. 6 Aug. 2024, WOS WOS:000969679100008
Ris32	BESNEA, Daniel, Edgar MORARU, Alina SPĂNU, Victor-Florin CONSTANTIN, Elena DINU, & Iolanda PANAIT. "Possibilities of obtaining complex geometries using additive manufacturing with liquid photopolymers." ACTA TECHNICA NAPOCENSIS - Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING [Online], 66.5 (2023) WOS:001267255200032
Ris33	Elena Dinu, Alina Spănu, Vlad-Andrei Stănescu, Edgar Moraru, Daniel Besnea, Victor-Florin Constantin, Ciprian Rizescu, Iolanda Panait, 'Considerations regarding the applications of additive manufacturing for the realization of sealing gaskets used in Precision Mechanics' (2023) International Journal of Mechatronics and Applied Mechanics, I(14). doi:10.17683/ijomam/issue14.21.

Rio – Alte reviste de specialitate de circulație internațională.

Rns - Reviste de specialitate de circulație națională recunoscute de CNCIS. Se menționează Categoria CNCIS.

Rno - Alte reviste de specialitate de circulație națională.

Vis- Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate, indexate ISI Thomson

Reuters sau indexate în alte Baze de Date Internaționale - BDI specifice domeniului, care fac un proces de selecție a

publicatiilor pe baza unor criterii de performanta. Se mentioneaza la fiecare lucrare includerea in Baza ISI [ISI Proceedings, Accession Number, WOS=....., ISSN] si/sau denumirea altei (altor) BDI.

Vis1	Constantin, V., Dana, R. and Rizescu, C., 2017. Colour based sorting station with Matlab simulation. MATEC Web of Conferences, Pages 121-127, p.08004., WOS: 435283800098
Vis2	Constantin, V., Avram, M., Bucsan, C. and Vlasceanu, A., 2019. Hardware structure of a surveillance system for strategic objectives. MATEC Web of Conferences, Pages 290-297, p.08004. WOS:000569367700094
Vis3	Avram, Mihai; Constantin, Victor; Nita, Emil-Ionut Research on the designing of pneumatic positioning units controlled with valves commanded in modulated pulses 9TH INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION (MSE 2019): TRENDS IN NEW INDUSTRIAL REVOLUTIONMATEC Web of ConferencesProceedings Paper9th International Conference on Manufacturing Science and Education (MSE) - Trends in New Industrial RevolutionJUN 05-07, 2019Sibiu, ROMANIA2019, Pages 290-302, WOS:000569367700093
Vis4	Avram, Mihai; Constantin, Victor; Meral, Amza Research Regarding the Design of a Closed-Loop Pneumatic Positioning System Without Using Proportional EquipmentPROCEEDINGS OF THE INTERNATIONAL CONFERENCE OF MECHATRONICS AND CYBER-MIXMECHATRONICS - 2017Lecture Notes in Networks and SystemsProceedings Paper1st International Conference of Mechatronics and Cyber-MixMechatronics (ICOME CYME)SEP 07-08, 2017Bucharest, ROMANIA201820, Pages 158-168, WOS:000540747400019
Vis5	Avram, Mihai; Bucsan, Constantin; Constantin, Victor Proportional Pneumatic Distributor ADVANCED MATERIALS RESEARCH II, PTS 1 AND 2Advanced Materials ResearchProceedings Paper2nd International Conference on Advanced Material Research (ICAMR 2012)JAN 07-08, 2012Chengdu, PEOPLES R CHINA2012463-464, Pages: 1017- 1020, WOS:000308114100196
Vis6	Avram, Mihai; Bucsan, Constantin; Duminica, Despina; Constantin, Victor Hydraulic Positioning Unit with Internal Mechanical Position Feedback ADVANCED MATERIALS RESEARCH II, PTS 1 AND , JAN 07-08, 2012 Chengdu, PEOPLES R CHINA2012, Pages: Pages 120-124 WOS:000308114100320
Vis7	Rizescu, Ciprian, I; Besnea, Daniel; Rizescu, Dana; Moraru, Edgar; Constantin, Victor Mechanical Analysis of Leaf Springs Realized by Additive Technologies ADVANCES IN MANUFACTURING II, VOL 1 - SOLUTIONS FOR INDUSTRY 4.0Lecture Notes in Mechanical EngineeringProceedings Paper6th International Scientific-Technical Conference on Advances in Manufacturing II (MANUFACTURING)MAY 19-22, 2019Poznan, POLAND2019, Pages: 307-318 WOS:000490710700026
Vis8	Besnea, Daniel; Spanu, Alina; Constantin, Victor; Octavian, Dontu Technological particularities of laser manufacturing 8TH INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION (MSE 2017) - TRENDS IN NEW INDUSTRIAL REVOLUTIONMATEC Web of ConferencesProceedings Paper8th International Conference on Manufacturing Science and Education (MSE) - Trends in New Industrial RevolutionJUN 07-09, 2017Sibiu, ROMANIA2017 Pages 121-131 WOS:000435283800033
Vis9	Avram, Mihai; Miu, Adrian; Constantin, Victor; Bucsan, Constantin The Hardware Structure of a Robotized System Used as a Chess Partner2ND INTERNATIONAL CONFERENCE ON INNOVATIONS, RECENT TRENDS AND CHALLENGES IN MECHATRONICS, MECHANICAL ENGINEERING AND NEW HIGH-TECH PRODUCTS DEVELOPMENT (MECAHITECH '10)Proceedings Paper2nd International Conference on Innovations, Recent Trends and Challenges in Mechatronics, Mechanical Engineering and New High-Tech Products Development (MECAHITECH)SEP 23-24, 2010Bucharest, ROMANIA2010 Pages:343-346 WOS:000406710800054
Vis10	Avram, Mihai; Miu, Adrian; Constantin, Victor; Bucsan, Constantin Working Program for a Chess Playing Robot 2ND INTERNATIONAL CONFERENCE ON INNOVATIONS, RECENT TRENDS AND CHALLENGES IN MECHATRONICS, MECHANICAL ENGINEERING AND NEW HIGH-TECH PRODUCTS DEVELOPMENT (MECAHITECH '10)Proceedings Paper2nd International Conference on Innovations, Recent Trends and Challenges in Mechatronics, Mechanical Engineering and New High-Tech Products Development (MECAHITECH)SEP 23-24, 2010 Bucharest, ROMANIA2010 Pages:352-356 WOS:000406710800056
Vis11	Pascu, A.T., Besnea, D., Constantin, V., Spanu, A., Ciobanu, R., Evaluations and geometrical measurements of the human eye in order to establish the design parameters for the customized contact lens, IOP Conference Series: Materials Science and Engineering, 2016,10.1088/1757-899X/147/1/012063, Pages 147-162 WOS:000390720200063

Vis12	Moraru, E., Dontu, O., Besnea, D., Rizescu, C., Rizescu, D., Constantin, V. , Theoretical and numerical researches on the electrochemical polishing of dental prostheses realized by selective laser melting, IOP Conference Series: Materials Science and Engineering, 2019, Pages 564-570 10.1088/1757-899X/564/1/012029, WOS:000490710700026
Vis13	Moraru, E., Dontu, O., Besnea, D., Constantin, V. , Study and realization of prosthetic dental models by additive technologies, IOP Conference Series: Materials Science and Engineering, Pages 444-448 2018, 10.1088/1757-899X/444/4/042017, WOS:000467443600053
Vis14	Coandă, P., Avram, M., Constantin, V. , A state of the art of predictive maintenance techniques, IOP Conference Series: Materials Science and Engineering, 2020, Pages 150-159 , 10.1088/1757-899X/997/1/012039, https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099246279&doi=10.1088%2f1757-899X%2f997%2f1%2f012039&partnerID=40&md5=a8c34472730f28221e1a7aab925fd513
Vis15	Besnea, D., Avram, M., Cananau, S., Moraru, E., Spanu, A., Constantin, V. , Panait, I.C., Constructive and functional particularities of 3D printers with applications in the food industry, IOP Conference Series: Materials Science and Engineering, 2020, Pages 120-125 10.1088/1757-899X/997/1/012036, https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099179400&doi=10.1088%2f1757-899X%2f997%2f1%2f012036&partnerID=40&md5=1d115c074c0260672e570570e9d9494d
Vis16	Daniel, Besnea; Dontu, Octavian; Gheorghe, Gheorghe I.; Constantin, Victor ; Alina, Spanu Mechatronic System for Solar Energy Acquisition PROCEEDINGS OF THE INTERNATIONAL CONFERENCE OF MECHATRONICS AND CYBER-MIXMECHATRONICS – 2017 Lecture Notes in Networks and Systems Proceedings Paper 1st International Conference of Mechatronics and Cyber-MixMechatronics (ICOME CYME) SEP 07-08, 2017 Bucharest, Pages 117-125
Vis17	P. Coandă, M. Avram, D. Comeagă, B. Grănescu, V. Constantin and N. Emil, "Design, fabrication, and testing of a high-load, low-cost thermal chamber," 2022 8th International Conference on Energy Efficiency and Agricultural Engineering (EE&AE), Ruse, Bulgaria, 2022, pp. 1-6, doi: 10.1109/EEAE53789.2022.9831389.
Vis18	Coanda, P., Avram, M., Comeaga, D., Gramescu, B., Constantin, V., Nita, E. (2022). A Review of Fault Detection Methods in Smart Pneumatic Systems and Identification of Key Failure Indicators. In: Machado, J., et al. Innovations in Mechatronics Engineering II. icieng 2022. Lecture Notes in Mechanical Engineering. Springer, Cham. https://doi.org/10.1007/978-3-031-09385-2_12
Vis19	Baciu, I., Vasilescu, AG., Avram, M., Grănescu, B., Constantin, V., Moraru, E. (2024). A Review of Additive Technologies Applied to Gear Transmission. In: Machado, J., et al. Innovations in Mechanical Engineering III. icieng 2024. Lecture Notes in Mechanical Engineering. Springer, Cham. https://doi.org/10.1007/978-3-031-62684-5_5
Vis20	Coandă, P., Avram, M., Constantin, V., Grănescu, B. (2022). Indoor GPS System for Autonomous Mobile Robots Used in Surveillance Applications. In: Machado, J., Soares, F., Trojanowska, J., Yildirim, S. (eds) Innovations in Mechatronics Engineering. icieng 2021. Lecture Notes in Mechanical Engineering. Springer, Cham. https://doi.org/10.1007/978-3-030-79168-1_9 WOS:000773488800009

Vi - Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate;

Vn - Volumele unor manifestări științifice naționale.

V. BREVETE DE INVENȚIE / INOVAȚII (B,A)

B - Brevete de invenție.

B1	Avram M., Bucsan C., Bogatu L., Constantin V. , Distribuitor pneumatic proporțional cu actuator piezoelectric, RO128106 (B1), 2015; Proportional Pneumatic Distributor With Piezoelectric Actuator Classification internațional: F15B13/04;
B2	Avram M., Bucsan C., Bogatu L., Constantin V. , Duminica D., Unitate de poziționare pneumo-hidraulică liniară, brevet RO125708 (B1), 2015; Unit For Linear Pneumo-Hydraulic Positioning Classification internațional:F15B11/076; B25J9/00; G05B19/00

A - Inovații și alte creații.

A1	Dezvoltare și implementare sistem de determinare a parametrilor specifici calculului lentilelor progresive ultrapersonalizate (suport markeri și aplicație informatică) – Contract de cercetare EyeFIT.
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VI. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P,F)

P – Proiecte de cercetare-dezvoltare – inovare obținute prin competiție, pe bază de contract/grant, în țară/străinătate (**Pn** – naționale, **Pi** - internaționale).

P1	Director - Contract de finanțare intern GEX nr 39/26.09.2016 - Modul universal de testare și control pentru acționări fluidice și electrice
P2	Director - Proiectul privind Învățământul Secundar (ROSE): Creșterea ratei de implicare a studenților din anul I al Facultății de Inginerie Mecanică și Mecatronica – UPB Acord de grant nr. AG363/SGU/S5/III
P3	Director - Controller inteligent IoT pentru sistem eolian de generare a energiei cu transmisie hidrostatică în concepție mecatronică, ARUST
P4	Director - Contract de cercetare științifică nr 1419/28.11.2019 – Realizare aplicație EyeFIT
P5	Membru - Tehnologie eficientă pentru epurarea apelor uzate, CEBIOTREAT NR 24/2018, MANUNET
P6	Membru - Sistem mecatronic inovativ pentru controlul inelelor de rulmenți prelucrate pe mașini CNC ca factor de optimizare a calității suprafețelor prelucrate – BeQuCon, Contract nr 268/2014. PN-II-PT-PCCA-2013-4-1671
P7	Membru - Actuatori Electromagnetici și electrodinamici procesați prin tehnologie LIGA, Contract Nr 249/2014. PN-II-PT-PCCA-2013-4-1557

F – Alte lucrări de cercetare – dezvoltare

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Obs.-a se menționa calitatea de responsabil/director sau coautor.

VII. COMUNICĂRI ȘTIINȚIFICE NEPUBLICATE (E)

E – Lucrări prezentate la diferite seminarii/expoziții, conferințe, etc.

Data 24.03.2025,

Conf. dr. ing. Victor-Florin CONSTANTIN

Semnătura.....

Facultatea de Inginerie Mecanică și Mecatronica,
Departamentul de Mecatronica și Mecanica de Precizie

