



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) Adrian, CIOCĂNEA

Address(es)

Telephone(s)

E-mail

Nationality

Date of birth

Gender

Occupational field

Work experience

Dates From 1990 - Present

Occupation or position held Professor (Associated Professor; Lecturer; Assistant)

Main activities and responsibilities Teaching and research activities
Courses for undergraduate studies (Bachelor): Fluid Mechanics; Turbomachinery; Hydraulic Machinery and Systems, Renewable Energies;
Courses for postgraduate studies (Master): Hydro and Gas-dynamics of Turbomachinery; Methods for Environmental Management (LCA, EIA); Mechanical Design of Conversion Systems for Renewable Energies; Technologies for 3D printing;
Head of the Lab: Pumps, Fans and Compressors at Power Engineering Faculty Dept. Hydraulics, Hydraulic Machinery and Environmental Management
Head of the Lab: Renewable Energies at Power Engineering Faculty Dept. Hydraulics, Hydraulic Machinery and Environmental Management

Name and address of employer University Politehnica of Bucharest, 313, Splaiul Independenței, RO-060042 Bucharest, Romania

Type of business or sector Education; Research

Dates From 1985 to 1990

Occupation or position held Technological Engineer/Research Engineer

Main activities and responsibilities Technology and Design Engineer

Name and address of employer ICA Helicopter Company – Brasov RO / Research Institute for Fine Mechanics (Hydraulic Drives) – Bucharest Ro

Type of business or sector Aeronautical sector/ Research sector

Education and training

Dates	From September 1990 to June 1997
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Hydraulics, Hydraulic Machinery and Equipment, Hydraulic Drives Thesis: "The influence of a pipe vibration on the internal flow" – June 1997
Name and type of organisation providing education and training	University Politehnica of Bucharest, Faculty of Power Engineering, 313, Splaiul Independenței, RO-060042 Bucharest, Romania
Level in national and international classification	ISCED 6
Dates	From May 1996 to July 1996
Title of qualification awarded	Qualify Researcher, Visiting Professor
Principal subjects/occupational skills covered	Hydraulic Drives and Automotive Test Benches
Name and type of organisation providing education and training	Politecnico di Torino, Torino, Italy
Level in national and international classification	ISCED 6
Dates	From May 1995 to July 1995
Title of qualification awarded	Visiting Professor, Researcher
Principal subjects/occupational skills covered	Sustainable Development
Name and type of organisation providing education and training	University of Huddersfield, Huddersfield, England, UK
Level in national and international classification	ISCED 6
Dates	From 1992 to 1994
Title of qualification awarded	Postgraduated studies
Principal subjects/occupational skills covered	International courses in Ecotechnology
Name and type of organisation providing education and training	Consortium of University of Bucharest, Academy of Economical Studies of Bucharest, University Politehnica of Bucharest, Free University of Brussels, University of Huddersfield, Complutense University of Madrid, Dresden University of Technology
Dates	From June 1993 to July 1993
Title of qualification awarded	Visiting Professor, Researcher
Principal subjects/occupational skills covered	Intensive coursed in Ecotechnology
Name and type of organisation providing education and training	University of Deinze, Deinze, Belgium
Level in national and international classification	ISCED 6
Dates	From September 1980 to June 1985
Title of qualification awarded	Mechanical Engineer
Principal subjects/occupational skills covered	Mechanical Engineering Hydraulic and Pneumatic Machinery (design, operation and maintenance)
Name and type of organisation providing education and training	University Politehnica of Bucharest, Faculty of Mechanical Engineering, 313, Splaiul Independenței, RO-060042 Bucharest, Romania
Level in national and international classification	ISCED 5

Personal skills and competences

Mother tongue(s) Romanian

Other language(s)

Self-assessment

European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user

(*)<http://europass.cedefop.europa.eu/LanguageSelfAssessmentGrid/en>

Additional information

Membership of organisations

- The Romanian Academy – Engineering Section – Committee for Renewable Energies
- Member of SPERIN (Society for Promoting Renewable, Inexhaustible and New Energies). Patents
- 5 patents in Romania;
- 1 International Patent;

– National grants - coordinator: 14;

– National grants - as member in research teams: 18. Research contracts

– National research contracts : over 50;

- EcoNet Project – EUTEMPUS Project.

- Ecotehnie Project – EU Education Project Publications

- 10 books and chapters in books;
- more than 100 papers in national and international journals and at conferences.

Research impact:

ISI - H index: 11;

Scopus - H index: 8;

Annex List of relevant publications

18. sept. 2024

Prof. PhD. Habil. Eng. Adrian Ciocănea

Lista lucrărilor științifice în domeniul disciplinelor din postul didactic

Teza de doctorat:

Influența curgerii interioare asupra vibrației țevelor (The influence of pipes vibration on the internal flow) –Univ. POLITEHNICA Buc. 1997.

Carti/Capitole din Cărți

1. Jafar Mehdi Hassan, Salman Hussien Omran, Laith Habeeb, Alamas Iamani Ammar Fadhil Shnawa and Adrian Ciocănea , 2020, Hydraulic Power Plants Including Solved Problems being published by Bentham Books, ISBN: 978-981-14-9410-9
2. Ciocănea A., Scripcariu M., Pluteanu Ș., Tofan B. (2020) Renewable Energy Production in Decommissioned Power Plant Sites for Sustainable Cities—The Case Study of Romania. In: Visa I., Duta A. (eds) Solar Energy Conversion in Communities. Springer Proceedings in Energy. Springer, Cham. https://doi.org/10.1007/978-3-030-55757-7_19
3. Ciocănea, A., 2013, Surse regenerabile de energie – Aplicații si studii de caz, (Renewable energy sources – Applications and case studies), Politehnica Press, ISBN 978-606-515-530-5, 212 p.
4. Ciocănea, A., 2013, Calculul, proiectarea și încercarea pompelor, ventilatoarelor și compresoarelor – Aplicații si studii de caz, (Calculation, design and testing of pumps, fans, blowers and compressors – Applications and case studies), Politehnica Press, ISBN 978-606-515-529-9, 158p.
5. Ciocănea A., Bădescu, V., Catheart, R.B., Finkl, C.W., 2013, Coastal Hazards, Chapter 12: Reducing the Risk Associated to Desalination Brine Disposal on the Coastal Areas of Red Sea. C.W. Finkl (ed.), Coastal Research Library 6, pg. 285-319, ISBN 978-94-007-5233-7, DOI 10.1007/978-94-007-5234-4_12, Springer Science and Business Media Dordrecht.
6. Baran, Gh., Ciocănea A., 2005, Curgeri cavitationale si abrazive (Cavitation and abrasive flows), Ed. Printech -RO, ISBN 973-718-267-7, 175 p.
7. Neacșu, R., Ciocănea, A., 2000, Calculul, proiectarea și încercarea pompelor, ventilatoarelor, suflantelor și compresoarelor- Vol.I Turbomașini radiale (Calculation, designing, and testing of pumps, fans, blowers and compressors – Vol. I Radial Turbomachinery), Ed. Dacia Cluj-Napoca -RO, ISBN 973-35-0671-0, 422p.

Articole

ISI

1	Qahtan A. Abed, Dhafer M. Hachim, Adrian Ciocănea, Viorel Badescu; The useful heat flux provided by the perforated plate of unglazed transpired collectors under no-wind and windy conditions. J. Renewable Sustainable Energy 1 September 2023; 15 (5): 053703. https://doi.org/10.1063/5.0165313 , WOS:001083992800001 (Q4)
2	Vasile, E., Ciocănea, A., Ionescu, V., Lepadatu, I., Diac, C., Stamatin, S.N., Making precious metals cheap: A sonoelectrochemical - Hydrodynamic cavitation method to recycle platinum group metals from spent automotive catalysts, ULTRASONICS SONOCHEMISTRY, Volume72, Article Number105404 DOI10.1016/j.ultsonch.2020.105404, WOS:000633009900002 (Q1)
3	Ciocănea, A., Vasile, E., Ionescu, V., (...), Miron, C., Stamatin, S.N., Second life application of automotive catalysts: Hydrodynamic cavitation recovery and photo water splitting, Metals 10(10),1307, pp. 1-15, 2020,, WOS:000586884800001 (Q1)
4	Badescu, Viorel; Soriga, Iuliana; Ciocănea, Adrian, 2019, Solar air collector performance in transient operation under radiative regimes with different levels of stability, SOLAR ENERGY Volume: 177 Pages: 200-212 Published: JAN 1 2019, WOS:000456222500018 (Q1)
5	Badescu, V.,Ciocănea, A., Budea, S., Soriga, I., 2019, Regularizing the operation of unglazed transpired collectors by incorporating phase change materials, ENERGY CONVERSION AND MANAGEMENT Volume: 184 Pages: 681-708 Published: MAR 15 2019 , WOS:000461728300055 (Q1)
6	Popa, G.A., Enache Popa, D.F., Tanczos, S.K., Ciocănea, A. , 2017, Ultrafiltration of aqueous solutions of food dye using polymeric membranes prepared with surfactants, Materiale Plastice 54(4), pp. 726-730, WOS:000426412500025
7	Abed, QA, Badescu, V, Ciocănea, A , Soriga, I, Buretea, D, 2017, Models for New Corrugated and Porous Solar Air Collectors under Transient Operation, JOURNAL OF NON-EQUILIBRIUM THERMODYNAMICS, Volume: 42 Issue: 1 Pages: 79-97, DOI: 10.1515/jnet-2016-0013, WOS:000392302500004
8	POPA, G.AL., Nechifor, Gh., Enache (Popa), D. F., Tanczos, S-K, Ciocănea, A., 2017, Polimeric membranes prepared with surfactants used for ultrafiltration of aqueous solutions of food dye, Studia Chimia UBB, LXII, 4, Tom I, 2017 (p. 47-58), SCOPUS, (WOS:000425964800005)
9	Ciocănea, A. , Dragomirescu, A., 2013, Modular ventilation with twin air curtains for reducing dispersed pollution, Tunnelling and Underground Space Technology, 37, 180-198, ISSN: 0886-7798,DOI:10.1016/j.tust.2013.03.012. (WOS:000320221000018).
10	Badescu V, Ciocănea A , Cathcart R.B., Finkl, C.W., 2012, Desalination brine disposal by submerged pipes in Red Sea, Journal of Coastal Research, DOI:10.2112/JCOASTRES-D-12-00060.1.; Journal of Coastal Research ISSN 0749-0208 , 29-6A, p.81-92, nov. 2013. WOS:000327567200009
11	Ciocănea, A. , Dragomirescu, A., Budea, S., 2011, Experimental Research on Transient Regimes of Solar Air Heat Collectors, Environmental Engineering and Management Journal, 10, 8, pp. 1097-

	1103, ISSN 1582-9596. WOS:000296758300016
12	
13	Andronie, A., Antohe, S., Iordache, S., Cucu, A., Stamatina, S., Ciocănea, A., Emandi, A., Nan, G., Berlic, C., Rimbu, G.A., Stamatina, I., 2010, Study of the conduction mechanisms in poly-perfluoro-sulfonated membranes impregnated with intrinsic semiconducting polymers, Journal of Optoelectronics and Advanced Materials 12(11) pag. 2288-2295, ISSN 1454 – 4164. Cote INIST : 27497, 35400019496141.0170. WOS:000285399000017
14	Ciocănea, A. , Prisecaru, T., 2010, Mixed jet-vortex method for reducing NOx emissions of pulverized coal combustion , Environmental Engineering and Management Journal, Vol.9, No. 10, 1421-1425, ISSN: 1582-9596 . WOS:000285557800019
15	Andronie A., Antohe S., Iordache, Stamatina S., Cucu A., Ciocanea A., Emandi A., Stamatina, I., 2010, Proton exchange membrane based on polyperfluorosulfonic acid modified with sulfonamide groups, Journal of Optoelectronics and Advanced Materials Rapid Comm. 4(10), 1807-1810, NOV. 2010, ISSN: 1842-6573. WOS:000285399400042
16	Ciocănea, A. , Florea, M., Băran, N., Băran, Gh., 2007, Experimental Research Regarding Viscous Friction on Rotating Disks, Revista de chimie, vol.58, dec.2007, ISSN 0034-7752, pag.1291-1294. WOS:000252496200026
17	Budea, S., Ciocanea, A., 2019, Control of the suction recirculation flow to reduce the cavitation in centrifugal impellers, Proceedings of 2019 International Conference on ENERGY and ENVIRONMENT, CIEM 2019 8937647, pp. 304-307. WOS:000630902700064
18	Ciocanea, A., Marin, A., Buretea, D.L., 2019, The influence of housing on the internal flow of a cross flow fan impeller, Proceedings of 2019 International Conference on ENERGY and ENVIRONMENT, CIEM 2019, IEEE345 E 47TH ST, NEW YORK, NY 10017 USA, 8937593, pp. 464-468, WOS:000630902700095
19	Ciocănea, A., Dragomirescu, A., Tofan, B., Toti, M., 2019, Pedestrian-level ventilation in an urban environment adjacent to a river channel: A case study for Bucharest city - Romania, E3S Web of Conferences, Volume 85, 22 February 2019, Article number 07007, 2018 Sustainable Solutions for Energy and Environment, EENVIRO 2018; Cluj Napoca; Romania; 9 October 2018 through 13 October 2018; Code 145542, WOS:000468021200066
20	Budea, S., Badescu, V., Ciocanea, A., Croitoru, C.V., Nastase, I., 2019, The stability of the radiative regime in Bucharest during 2017-2018, Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO) Location: Cluj Napoca, ROMANIA Date: OCT 09-13, 2018 SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT (EENVIRO 2018) Book Series: E3S Web of Conferences Volume: 85 Article Number: 04001 Published: 2019 , WOS:000468021200034
21	Ciocanea, A., Budea, S., Şişman, I., 2017, Improving the hydraulic efficiency of centrifugal impellers by using reverse engineering - Case study of a centrifugal pump, Proceedings of 8th International Conference on Energy and Environment: Energy Saved Today is Asset for Future, CIEM 2017, 8120866, pp. 428-431, WOS:000427610300091
22	Adrian Ciocănea, Dorin Laurenţiu Bureţea, 2016, The influence of flow tube vibrations over the efficiency of solar water heating collectors , Energy Procedia 112 (2017), pp. 330 – 335, ScienceDirect Sustainable Solutions for Energy and Environment, EENVIRO 2016, 26-28 October 2016, Bucharest, Romania, WOS:000404848300040
23	Adrian Ciocănea , Sergiu Nicolaie , Corina Băbuţanu, 2016 Reverse engineering for the rotor blades of a horizontal axis microhydrokinetic turbine, Energy Procedia 112 (2017), pp. 35 – 42, doi.org/10.1016/j.egypro.2017.03.1056, ScienceDirect Sustainable Solutions for Energy and

	Environment, EENVIRO 2016, 26-28 October 2016, Bucharest, Romania, WOS:000404848300005
24	lordache, S.M., Ciocanea, A., Stamatina, I., Bălan, A., Budea, S., Ceaus, C., Trefilov, A. M. I., 2016, Recovering hydrogen sulfide from sulfurous waters with PEM fuel cells, Energy Procedia, 85, 273-278, http://dx.doi.org/10.1016/j.egypro.2015.12.252 - WOS:000377911100035
25	Cucu, A., Tiliakos, A., Tanase, I., Serban, C.E., Stamatina, I., Ciocanea, A., Nichita C., 2016, Microbial Fuel Cell for Nitrate Reduction/ Energy Procedia, 85, 156-161, http://dx.doi.org/10.1016/j.egypro.2015.12.286 - WOS:000377911100019
26	Ciocanea, A., Dumitrescu, C., Sauciu, R., Dumitrescu, L., Cristescu, C., 2016, CLEANING BY PHYSICAL METHODS OF MEMBRANES USED FOR DRINKING WATER TREATMENT A CASE STUDY FOR HOLLOW FIBER MEMBRANES WITH DIFFERENT MOLECULAR WEIGHT CUT-OFF, WATER, RESOURCES, FOREST, MARINE AND OCEAN ECOSYSTEMS CONFERENCE PROCEEDINGS, VOL I, Book Series: International Multidisciplinary Scientific GeoConference-SGEM, Pages: 153-160, WOS:000391653400021
33	Cristescu, C., Dumitrescu, C., Popescu, T.C., Krevey, P., Ciocănea, A. 2016, Research on the hydrostatic systems used in order to control rotational speed at the hydraulic turbines within small-scale hydropower plants, SGEM2016 Conference Proceedings, Book4 Vol. 1, Albena, BG - WOS:000391348600077
34	Ciocanea, A., 2012, A direct method for assessing the Influence of Material Couples on the Swashplate Angle of Axial Piston Pumps, Proceedings of FUBUTEC'2012 - ECEC'2012, Bucharest, Romania, ECEC_10_03, 21-27, Edited by Nicolae Vasiliu and Ciprian Dobre, ISBN 978-90-77381-70-0, ISI Proceeding. EUROPEAN SIMULATION AND MODELLING CONFERENCE 2012. WOS:000394722400003
35	Ciocănea, A., 1998, The influence of a pipe vibration on the internal flow, Proceedings of the Fourth European Computational Fluid Dynamics Conference, 7-11 September 1998, Athens, Greece, PART II, P. 1272-1281. ISI Proceeding. WOS:000077495500202

BDI

1	S. Budea, A. Ciocănea and F. Opreș, "Natural Ventilation of Buildings by Using Venturi Devices Placed on the Rooftops," 2023 11th International Conference on ENERGY and ENVIRONMENT (CIEM), Bucharest, Romania, 2023, pp. 1-5, doi: 10.1109/CIEM58573.2023.10349752. https://0d106fq47-y-https-ieeeexplore-ieee-org.z.e-nformation.ro/document/10349752
2	F. Opreș, A. Ciocănea and Ș. -M. Simionescu, "Low Energy Procedure for Cleaning Hollow Fiber Membrane Bundles Used for Water Ultrafiltration," 2023 11th International Conference on ENERGY and ENVIRONMENT (CIEM), Bucharest, Romania, 2023, pp. 1-5, doi: 10.1109/CIEM58573.2023.10349710. https://0d106fq47-y-https-ieeeexplore-ieee-org.z.e-nformation.ro/document/10349710
3	I. -A. Șişman, A. Dragomirescu, A. Ciocănea, P. A. Dancă, F. Bunea and C. A. Babuțanu, "Experimental Study of a Small-Scale Axial Hydrokinetic Turbine with Adjustable Blade Pitch," 2023 11th International Conference on ENERGY and ENVIRONMENT (CIEM), Bucharest, Romania, 2023, pp. 1-5, doi: 10.1109/CIEM58573.2023.10349709. https://0d106fq47-y-https-ieeeexplore-ieee-org.z.e-nformation.ro/document/10349709
4	Ciocanea A., Budea S., Simionescu S.M., Lambescu O., Experimental research on increasing

	the static torque for a small Savonius rotor of helical type, IOP Conference Series: Earth and Environmental ScienceOpen AccessVolume 664, Issue 112 May 2021 Article number 0120337th Conference of the Sustainable Solutions for Energy and Environment, EENVIRO 2020, Bucharest, Virtual, 21 October 2020 - 23 October 2020, 168977, DOI 10.1088/1755-1315/664/1/012033
5	Ciocanea, A., Vasile, E., Dumitran, G.E., ...Diminescu, M.A., Nichita, C. Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021, Diclofenac Degradation under High Pressure Hydrodynamic Cavitation Field, Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 20212021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021Bucharest14 October 2021 through 15 October 2021Code 17500
6	Ciocanea, A., Vasile, E., Budea, S., Badic, M., Stamatin, S.N., A Hydrodynamic Cavitation - High Voltage Discharge in Water Procedure for Recycling Platinum Group Metals Contained in Three-way Catalyst Converters, Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 20212021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021Bucharest14 October 2021 through 15 October 2021Code 175003
7	Budea, S., Simionescu, S.-M., Ciocanea, A., Experimental Research on the Operation of a PVT Hybrid Solar System, Proceedings of 2021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 20212021 10th International Conference on ENERGY and ENVIRONMENT, CIEM 2021Bucharest14 October 2021 through 15 October 2021Code 175003
8	Ciocănea A., Scripcariu M., Pluteanu Ș., Tofan B. (2020) Renewable Energy Production in Decommissioned Power Plant Sites for Sustainable Cities—The Case Study of Romania. In: Visa I., Duta A. (eds) Solar Energy Conversion in Communities. Springer Proceedings in Energy. Springer, Cham. https://doi.org/10.1007/978-3-030-55757-7_19
9	Ciocănea, A., Sauciuc, R., Lepădatu, I., Budea, S., Șefu, Ș.M., Simionescu, Ș.M., 2019 Method and demonstrating installation for recovery of titanium and tungsten oxides from spent SCR catalyst part I – scaling of hydrodynamic cavitation method, Proceedings of International Conference on Hydraulics and Pneumatics HERVEX November 2019, pag. 243–248, ISSN 1454-8003;
10	Ciocanea, A., Sisman, I., Marin, A., Buretea, D.L., 2019, Improving the efficiency of regenerative blower impellers, Proceedings of 2019 International Conference on ENERGY and ENVIRONMENT, CIEM 2019, 8937618, pp. 469-473,
11	A.Ciocanea, V. Badescu, Sanda Budea, A numerical analysis on increasing the heat-exchange efficiency for unglazed transpired solar collectors, 18th International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology

	Management, SGEM 18(4.1), pp. 81-88, ISSN 1314-2704, SCOPUS
12	Ciocănea, A., Sauciuc, R., Cristescu, C., Budea, S., Dumitrescu, L., 2017, The influence of hydrodynamic cavitation on cleaning of hollow fiber membranes used for ultrafiltration, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 377-382.
13	Dragomirescu, A., Ciocănea, A. , 2016, Modern design of a two-stage blower for tank aerators, U.P.B. Sci. Bull, Series D, Vol. 78, Iss. 2, 143-154.
14	Qahtan, A. A., Ciocănea, A. , Soriga, I., Buretea, D.L.2016, Dynamic thermal performance analysis of two solar air collectors with and without porous media, Renew. Energy and Environ. Sustain, 1, 24 (2016), 1-4
15	Neacșu, R.M.R., Ciocănea, A. , 2016, A direct method for simulation and design of a flat-plate type solar collector for water heating, EUROSIS, 14-th Industrial Simulation Conference 2016, București, România, 2016, 121-125, 978-90-77381-93-9121-125
16	Budea S., Ciocănea A. Sisman A., 2016, A direct method for the re-engineering by simulation of radial and mixed flow impellers, EUROSIS, 14-th Industrial Simulation Conference 2016, București, România, 2016, 73-77, 978-90-77381-93-9
17	Qahtan Adnan ABED, Adrian CIOCANEA , Viorel BADESCU, AN EXPERIMENTAL COMPARISON BETWEEN CORRUGATED AND POROUS PLATES OF SOLAR AIR HEATERS AT VARIOUS FLOW RATES, 4th International Conference on Thermal Equipment, Renewable Energy and Rural Development 4-6 iunie 2015, pag. 107-112, Conference Proceedings TE-RE-RD 2015 ISSN 2457–3302, ISSN 2359-7941.
18	Dragomirescu, A., Ciocănea, A. , ENHANCING THE EFFICIENCY OF INDOOR LOCAL VENTILATION USING CROSS-FLOW FANS: CASE STUDY FOR A SMOKING CABIN, Journal of Engineering Studies and Research – Volume 21 (2015) No. 3, pag. 28-34, p-ISSN: 2068-7559 (INDEX COPERNICUS)
19	Sauciuc, R., Ciocănea, A., Lepădatu, I., Dumitrescu, L., Dumitrescu, C.I., Stamatina, I., USING THE REVERSE OSMOSIS METHOD TO OBTAIN DRINKING WATER FROM NITRATE POLLUTED SOURCES FOR RURAL COMMUNITIES, ISB-INMA TEH' 2015 International Symposium 30 Sept - 1 Nov. 2015, UPB, Proceedings of AGRICULTURAL AND MECHANICAL ENGINEERING, 6 pag, ISSN 2344 - 4118. http://isb.pub.ro/isbinmateh/2015/volume_symposium_2015.pdf
20	Ciocănea, A. , Buretea, D. L., 2014, Experimental research on high efficiency solar air heating collectors, Hidraulica No.4, ISSN 1453-7303, p. 56-60 (fluidas.ro. Google Scholar, IndexCopernicus).

21	Ciocănea, A. , Bureștea, D. L., 2014, Cabin Heat Removal from Parked Cars, Hidraulica No.3, ISSN 1453-7303, p. 52-58. (fluidas.ro. IndexCopernicus).
22	Ciocănea, A. , Dragomirescu A., Budea S., 2013, Hydraulic Installation for Water Aeration, <i>Journal of Mechanics Engineering and Automation</i> , ISSN 2159-5275, 3 (2013) 141-145. http://www.davidpublishing.com .
23	Ciocănea, A. 2013, Method for mitigating the negative effect of vortex motion inside the suction chambers of centrifugal pumps, INCAS BULLETIN, Volume 5, Issue 3/ 2013, pp. 37 – 44 ISSN 2066 – 8201. DOI: 10.13111/2066-8201.2013.5.3.4 http://dx.doi.org/10.13111/2066-8201.2013.5.3.4 . (DOAJ). (IndexCopernicus)
24	Lepădatu, I., Ciocănea, A. , 2013, The efficiency of street car pollution reduction equipments, Hidraulica No.4, ISSN 1453-7303, p. 85-90. (fluidas.ro. IndexCopernicus)
25	Ciocănea, A. , 2013, Numerical study on the fluid motion induced by a rotating disk inside a vessel, Hidraulica No.4, ISSN 1453-7303, p. 65-69.(fluidas.ro. IndexCopernicus)
26	Ciocănea, A. , 2013, The dynamic stability of a load sensing device, Hidraulica nr.3, ISSN 1453-7303, p. 88-96. (fluidas.ro. IndexCopernicus)
27	Ciocănea, A. , 2013, Hydraulic braking energy recovery of heavy automotives, Hidraulica nr.3, ISSN 1453-7303, pag. 101-107. (fluidas.ro. IndexCopernicus)
28	Ciocănea A. , Budea, S., 2012 - Hydraulic installation with energetic autonomy for lakes aeration, Proceedings of 2012 International Conference of Hydraulics and Pneumatics - HERVEX 7 - 9 November, Calimanesti-Caciulata, Romania, ISSN 1454 – 8003.
29	Ciocănea, A. , Dragomirescu, A., Budea, S., Lepădatu, I., Krevei, P., Marin, A., 2012, Installation for Gas Mixture Homogenization in Pulverized Coal Combustion, Journal of Engineering Studies and Research, 18, 1, pp. 58-65. JESR201201V18S01A0008 [0003594] (DOAJ; ProQuest) https://doaj.org/article/1f73ab37b3274bff84200622fdd67977
30	Ciocănea, A., 2012, A direct method for assessing the Influence of Material Couples on the Swashplate Angle of Axial Piston Pumps, Proceedings of FUBUTEC'2012 - ECEC'2012, Bucharest, Romania, ECEC_10_03, 21-27, Edited by Nicolae Vasiliu and Ciprian Dobre, ISBN 978-90-77381-70-0, ISI Proceeding. EUROPEAN SIMULATION AND MODELLING CONFERENCE 2012. WOS:000394722400003

Brevete și Cereri de Brevete

1. CIOCANEA, A., RO131492 (A1) - SISTEM DE VENTILARE INTELIGENT, PENTRU REDUCEREA TEMPERATURII ȘI UMIDITĂȚII DIN CABINELE AUTOVEHICULELOR
2. CIOCANEA ADRIAN [RO]; ALMASLAMANI AMMAR FADHIL SHNAWA RO132268 (A0) - AGREGAT AUTONOM ENERGETIC PENTRU POMPAREA APEI, UTILIZAT ÎN SISTEME DE IRIGAȚII SAU ALIMENTĂRI CU APĂ

3. CIOCANEA A, NECHIFOR G, STAMATIN I, SAUCIUC R, IONESCU D, Method for improving polymeric membranes capacity of filtration by hydrodynamic cavitation Derwent Primary Accession Number2019-45987L, RO133143(A2)
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prof.dr.ing.habil
Adrian Ciocănea