

FISA STANDARDE MINIMALE CONCURS PROFESOR - DOMENIUL:INGINERIE MECANICA

Conf.dr.ing BOSIOC Ilie Alin

Specificatie	Domeniul activitatilor	Indicator	Punctaj obtinut	Punctaj minim grila	Procent realizat in raport cu punctajul minim pt prof. [%]	Indicatori
Activitatea didactica/profesionala	A.1.1	N1	5.00	2.00	250.00	indicator indeplinit
		N1.1	1.00	1.00	100.00	indicator indeplinit
		N1.3	3.00	1.00	300.00	indicator indeplinit
	A.1.2	N2	8.00	4.00	200.00	indicator indeplinit
		N.2.1	8.00	2.00	400.00	indicator indeplinit
Activitatea de cercetare	A21+A2.3	P1+P2	48.15	10.00	481.46	indicator indeplinit
		P1	32.54	6.00	542.36	indicator indeplinit
	A2.2	N3	48.00	10.00	480.00	indicator indeplinit
		N3.1	18.00	5.00	360.00	indicator indeplinit
	A2.4+A2.5	N4	3.00	2.00	150.00	indicator indeplinit
		N43	1.00	1.00	100.00	indicator indeplinit
Recunoasterea impactului activitatii	A3.1	S1+S2	342.49	50.00	684.97	indicator indeplinit
	A3.2	N5	20.00	10.00	200.00	indicator indeplinit
	A3.3	C	1042.67	25.00	4170.70	indicator indeplinit

Instructiuni

privind introducerea datelor in Grila de lucru a Fisei de evaluare

Grila de evaluare a fost conceputa detaliat, luand in considerare fiecare indicator din Fisa de evaluare pentru domeniul: Inginerie Mecanica (Comisia 17) si care a fost trimis fiecarui conducator de doctorat impreuna cu grila excel

Fisierul Centralizator se genereaza automat in baza completarii fisierelor N1.1 - C, in consecinta acest fisier se va deschide doar pentru a viziona punctajele pe parcursul completarii si la finalizarea grilei se listeaza

Intrucat s-au generat un numar maximal de campuri de lucru (linii), dupa completarea fiecarui fisier, campurile goale se vor sterge pana la linia total

Este obligatorie completarea tuturor coloanelor din tabele, altfel punctajul individual nu se va genera

Nu stergeti fisierele in care nu aveti ce sa completati, in acest caz, punctajul va fi zero dar va conta in algoritmul de calculul a sumei de indicatori

Legenda abrevierii indictorilor

- N1.1. Manuale suport de curs (conf. Fisei disciplinei) - prim autor
- N1.2. Manuale suport de curs (conf. Fisei disciplinei) - co-autor
- N1.3. Manuale suport de curs (conf. Fisei disciplinei), Format electronic disponibil pe platforma univ/fac/dep -autor
- N2.1. Standuri de laborator (constructie/modernizari) certificate de directorul de departament
- N2.2. Indrumator laborator/carte si maplicatii format tiparit sau electronic (autor, co-autor)
- N3.1. Articole si publicatii BDI (neincluse in A2.1) - prim autor sau autor corespondent
- N3.2. Articole si publicatii BDI (neincluse in A2.1), co-autor
- P1.1. Articole și publicații științifice indexate Web of Science - Thomson Reuters, Autor corespondent/Prim autor, maxim 3 autori
- P1.2. Articole și publicații științifice indexate Web of Science - Thomson Reuters, Autor corespondent/Prim autor, minm 4 autori
- P1.3. Articole și publicații științifice indexate Web of Science - Thomson Reuters; co-autor, maxim 3 autori
- P1.4. Articole și publicații științifice indexate Web of Science - Thomson Reuters; co-autor, minim 4 autori
- P2.1<4 Brevete internationale indexate in Web of Science-Derwent Innovation, prim autor; maxim 3 autori
- P2.1>4 Brevete internationale indexate in Web of Science-Derwent Innovation; prin autor/ autor corespondent; minim 4 autori
- P2.2<4 Brevete indexate OSIM; prim autor/autor corespondent; maxim 3 autori
- P2.2>4 Brevete indexate OSIM; prim autor/autor corespondent; minim 4 autori inclusiv
- P2.2.1<4 Brevete internationale indexate in Web of Science-Derwent Innovation; co-autor; maxim 3 autori
- P2.2.1>4 Brevete internationale indexate in Web of Science-Derwent Innovation; co-autor; minim 4 autori inclusiv
- P.2.2.2<4 Brevete indexate OSIM; co-autor; maxim 3 autori
- P2.2.2>4 Brevete indexate OSIM; co-autor; minim 4 autori
- N4.1-2 Produse, tehnologii, platforme și servicii inovative (validate conform procedurilor specifice unităților de învățământ superior sau de cercetare)
- N4.3 Monografii/cărți de specialitate, format tipărit/electronic (min. 100 pag.); prim autor
- N4.4 Monografii/cărți de specialitate, format tipărit/electronic (min. 100 pag.); co-autor

N5 **Prezentarea/Diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor/co-autor de lucrări, profesor invitat**
S **Atragere resurse financiare prin granturi/proiecte/contracte terți**
C **Citări în publicații BDI (WOS si Scopus)**

N.1.1 Manuale suport de curs (conf. Fisei disciplinei)

Format tiparit/electronic (minim 100 pagini)

Prim autor

Nr. Crt	Autorii	Nr. Autori	Titlul	Editura	Anul publicarii	ISBN	punctaj
1	Alin Bosioc	1	Mecanica Fluidelor si Masini Hidraulice	Politehnica	2017	978-606-35-0183-8	1.00
Total							1.00

N1.2 Manuale suport de curs (conf. Fisei disciplinei)

coautor

Format tiparit/electronic (minim 100 pagini)

Nr. Crt	Autorii	Numar autori	Titlul	Editura	Anul publicarii	ISBN	punctaj
1	Stuparu Adrian, Bosioc Alin Ilie, Tiberiu Ciocan	3	Proiectarea masinilor hidraulice axiale	Editura Politehnica	2024	978-606-35-0615-4	1.00
2	Stuparu Adrian, Bosioc Alin Ilie	2	Pompe centrifuge	Editura Politehnica	2021	978-606-35-0421-	1.00
Total							1.00

N1.3 **Manuale suport de curs (conf. Fisei disciplinei)**

Format electronic disponibil pe platforma univ/fac/dep -autor

Nr. Crt	Autorii	Adresa de site	Anul postarii	nr. Autori	punctaj
1	Alin Ilie BOSIOC	Masurarea si Monitorizarea Mărimilor Hidraulice in Timp Real https://cv.upt.ro/course/view.php?id=1216	2020	1	1.00
2	Alin Ilie BOSIOC	Turbine Hidraulice https://cv.upt.ro/course/view.php?id=3948	2020	1	1.00
3	Bosioc Alin Ilie, Susan-Resiga Romeo	Proiect Turbomasini - Proiectarea și Alegerea unei Pompe Centrifuge pentru Functionarea ca o Turbină Hidraulică (PaT) https://cv.upt.ro/course/view.php?id=5758	2020	2	1.00
Total					3.00

N2.1 **Standuri de laborator (constructii/modernizari) certificate de directorul de departament**

Nr. Crt	Denumire stand/an constructie sau modernizare	Anul constructie/ modernizare	Punctal individual
1	Stand experimental pentru frana cu lichide magneto-reologice utilizate in aer/ Proiect: Magneto-Rheological Device for Decelerated Swirling Flow PN-II-RU-PD-2011-3-0165	2013	1.00
2	Modernizare stand vartej - instalare si punere in functiune a franei cu lichid magneto-reologic pentru paletajul rotitor / Proiect: Magneto-Rheological Device for Decelerated Swirling Flow PN-II-RU-PD-2011-3-0165	2013	1.00
3	Stand experimental pentru ambreiaje cu lichide magneto-reologice / Proiect: Innovative magneto-rheological device solution for improving the performances of centrifugal pumps PN-II-RU-TE-2014-4-1089	2016	1.00
4	Stand experimental pentru frana cu lichide magneto-reologice utilizate in apa / Proiect: Magneto-Rheological Device for Decelerated Swirling Flow PN-II-RU-PD-2011-3-0165	2014	1.00
5	Stand experimental pentru testarea unei mini turbine Francis / fonduri UPT	2020	1.00
6	Stand experimental pentru măsurarea forțelor generate de un jet de apă	2021	1.00
7	Modernizare stand pentru testarea la cavitație a pompelor centrifuge - stand modernizat impreuna cu SI.dr.ing. Cristian Ghera	2021	1.00
8	Stand experimental multifuncțional echipat cu pompa de recirculare ARMFIELD	2022	1.00
Total			8.00

N2.2 **Indrumator laborator/carte si maplicatii format tiparit sau electronic**
autor, co-autor

Nr.crt.	Autori	Nr. Autori	Titlul	Anul editarii	ISBN	Punctaj individual
						0.00
	Total					0.00

N3.1 Articole si publicatii BDI (neincluse in A2.1)
prim autor sau autor corespondent

Nr. crt.	Nume autori	Numar autori	Titlul lucrarii	Denumire Jurnal /ISSN	Volum/N umar	Anul publicarii	nr. pagini (de la .. pana la:)	Punctaj individual
1	Tănasă, C., Bosioc, A., Susan-Resiga, R., Muntean, S.	4	Experimental investigations of the swirling flow in the conical diffuser using flow-feedback control technique with additional energy source	26TH IAHR SYMPOSIUM ON HYDRAULIC MACHINERY AND SYSTEMS IOP Conference Series-Earth and Environmental Science ISSN: 1755-1307 WOS:000324782300210	15	2012	62043	1.00
2	Bosioc, A., Muntean, S., Susan-Resiga, R., Vekas, L., Bernad, S.	5	Numerical Simulation of the Swirl Generator Discharge Cone at Lower Runner Speeds	11TH INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS AIP Conference Proceedings ISSN: 0094-243X WOS:000331472800049	1558	2013	204-207	1.00
3	Bosioc A.I., Tanasa C.	2	LDA measurements of unsteady velocity field for decelerated swirling flows with vortex rope in a discharge cone	UPB Scientific Bulletin, Series D: Mechanical Engineering, ISSN 1454-2358	76(2)	2014	243-250	1.00
4	Bosioc, A., Muntean, S., Tănasă, C., Susan-Resiga, R., Vekas, L.	5	Unsteady pressure measurements of decelerated swirling flow in a discharge cone at lower runner speeds	27TH IAHR SYMPOSIUM ON HYDRAULIC MACHINERY AND SYSTEMS IOP Conference Series-Earth and Environmental Science ISSN: 1755-1307 WOS:000347441900066	22	2014	32008	1.00
5	Bosioc, A., Muntean, S., Susan-Resiga, R., Borbath, I., Vekas, L.	5	Numerical Analysis of the Temperature Field in A Magneto-Rheological Brake	International Conference of Computational Methods in Sciences and Engineering 2015, ICCMSE 2015, Athens, AIP Conference Proceedings ISSN: 0094-243X WOS:000371804300033	1702	2015	80002	1.00
6	Bosioc A.I., Tanasa C.	2	Experimental and numerical investigation of a draft tube cone at lower runner speeds	International Conference of Numerical Analysis and Applied Mathematics 2015, ICNAAM 2015, Rhodes, AIP Conference Proceedings, ISSN 0094243X	1738	2016	30019	1.00
7	Bosioc A.I., Muntean S., Draghici I., Anton I.	4	Hydrodynamic Analysis of the Flow in an Axial Rotor and Impeller for Large Storage Pump	28th IAHR Symposium on Hydraulic Machinery and Systems, IAHR 2016, Grenoble, IOP Conference Series: Earth and Environmental Science, ISSN 17551307	49(3)	2016	32016	1.00
8	Draghici I., Atanasoaei C., Bosioc A.I., Muntean S., Anton L.E.	5	Experimental Analysis of the Global Performances for a Pump with Symmetrical Suction Elbow at Two Speeds	Sustainable Solutions for Energy and Environment Conference, EENVIRO 2016, Bucharest, Energy Procedia, ISSN 18766102	112	2017	225-231	1.00

9	Bosioc, A.I., Stuparu, A., Susan-Resiga, R.	3	Numerical Analysis of Temperature and Torque in A Magneto-Rheological Clutch	PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS AIP Conference Proceedings ISSN: 0094-243X WOS:000410159800021	1863	2017	30015	1.00
10	Bosioc A.I., Muntean S., Anton L.E.	3	Numerical simulation of an axial rotor with variable speed in a pump impeller	International Conference of Numerical Analysis and Applied Mathematics, ICNAAM 2017, Thessaloniki, AIP Conference Proceedings, ISSN 0094-243X ASME-JSME-KSME 2019 8th	1978	2018	30005	1.00
11	Bosioc A.I., Mos D.C., Muntean S., Anton L.E.	4	Analysis of a centrifugal pump equipped with an axial rotor with variable speed	Joint Fluids Engineering Conference, AIJFluids 2019, ISBN 978-079185905-6	3B-2019	2019	5617	1.00
12	Bosioc A.I., Mos D.C., Draghici I., Muntean S., Anton L.E.	5	Experimental analysis of a pump equipped with an axial rotor with variable speed	29th IAHR Symposium on Hydraulic Machinery and Systems, IAHR 2018, Kyoto, IOP Conference Series: Earth and Environmental Science, ISSN 1755-1307	240(3)	2019	32021	1.00
13	Bosioc A.I., Tanasa C., Stuparu A., Susan-Resiga r.	4	Free runner concept downstream of Francis turbines	International Conference of Computational Methods in Sciences and Engineering 2021, ICCMSE 2021, Heraklion, AIP Conference Proceedings ISSN:0094-243X DOI:10.1063/5.0119430	2611	2021	30002	1.00
14	Bosioc A.I., Szakal R., Tanasa C., Susan-Resiga R.	4	Experimental Investigation of a Free Runner Concept Downstream of Francis Turbines	IOP Conference Series: Earth and Rnvironmental Science, 31st IAHR Symposium on Hydraulic Machinery and Systems, IAHR 2022, Trondheim, ISSN:17551307, DOI:10.1088/1755-1315-1079/1/012018	1079(1)	2022	12018	1.00
15	Bosioc A.I., Ardelean T., Szakal R., Muntean S., Borbath I., Vekas L.	6	Experimental investigations of a MR clutch for a centrifugal pump	Springer Verlag, Advanced Structured Materials, ISSN: 1869-8433 ISBN: 978-3-030-02256-3	98	2019	253-263	1.00
16	Bosioc A.I., Beja E., Muntean S., Borbath S., Vekas L.	5	Experimental Investigations of MR Fluids in Air and Water Used for Brakes and Clutches	Springer Verlag, Advanced Structured Materials, ISSN: 1869-8433 ISBN: 978-3-319-50783-5	65	2017	197-207	1.00
17	Sebastian Muntean, Alin Bosioc, Raul Szakal, Ladislau Vkas	4	Hydrodynamic Investigations in a Swirl Generator using a Magneto-Rheological Brake.	Springer Verlag, Advanced Structured Materials, 978-3-319-50783-6	65	2017	209-2018	1.00
18	Szakal, R.A., Bosioc, A.I., Muntean, S., Susan-Resiga, D., Vékás, L.	5	Experimental investigations of a magneto-rheological brake embedded in a swirl generator apparatus	Springer Verlag, Advanced Structured Materials, ISBN: 978-3-030-02256-3	98	2019	265-278	1.00

Total 18.00

N3.2 [Articole si publicatii BDI \(neincluse in A2.1\)](#)
[co-autor](#)

Nr. crt.	Nume autori	Numar autori	Titlul lucrarii	Denumire Jurnal /ISSN	Volum/ Numar	Anul publicarii	nr. pagini (de la .. pana la:)	Punctaj individual
1	Tănasă, C., Susan-Resiga, R., Bosioc, A., Muntean, S.	4	Mitigation of pressure fluctuations in the discharge cone of hydraulic turbines using Flow-Feedback	25TH IAHR SYMPOSIUM ON HYDRAULIC MACHINERY AND SYSTEMS IOP Conference Series-Earth and Environmental Science ISSN: 1755-1307 WOS:000325657000067	12	2010	12067	1.00
2	Petit, O., Bosioc, A., Nillson, H., Muntean, S., Susan-Resiga, R.	5	A swirl generator case study for OpenFOAM	25TH IAHR SYMPOSIUM ON HYDRAULIC MACHINERY AND SYSTEMS IOP Conference Series-Earth and Environmental Science ISSN: 1755-1307 WOS:000325657000056	12	2010	12056	1.00
3	Bernad, S.I., Totorean, A., Bosioc, A., Stanciu, R., Bernad, E.S.	5	Numerical investigation of Dean vortices in a curved pipe	11th International Conference of Numerical Analysis and Applied Mathematics 2013, ICNAAM 2013, Rhodes, AIP Conference Proceedings, ISSN 1551-7616	1558	2013	172-175	1.00
4	Bernad, S.I., Bosioc, A., Totorean, A., Stanciu, R., Bernad, E.S.	5	Vortices in by-pass graft flow	11th International Conference of Numerical Analysis and Applied Mathematics 2013, ICNAAM 2013, Rhodes, AIP Conference Proceedings, ISSN 1551-7616	1558	2013	160-163	1.00
5	Draghici, I., Bosioc, A.I., Muntean, S., Anton, L.E.	4	Experimental investigation of the non-uniform inflow generated by the symmetrical suction elbow of a large pump	UPB Scientific Bulletin, Series D: Mechanical Engineering, ISSN 1454-2358	76(3)	2014	207-214	1.00
6	Draghici I., Muntean S., Bosioc A.I., Anton L.E.	4	LDV measurements of the velocity field on the inlet section of a pumped storage equipped with a symmetrical suction elbow for variable discharge values	27TH IAHR SYMPOSIUM ON HYDRAULIC MACHINERY AND SYSTEMS IOP Conference Series-Earth and Environmental Science ISSN: 1755-1307 WOS:000347441900067	22	2014	32017	1.00

7	Javadi, A., Bosioc, A., Nilsson, H., Muntean, S., Susan-Resiga, R.	5	Velocity and pressure fluctuations induced by the precessing helical vortex in a conical diffuser	27TH IAHR SYMPOSIUM ON HYDRAULIC MACHINERY AND SYSTEMS IOP Conference Series-Earth and Environmental Science ISSN: 1755-1307 WOS:000347441900067	22	2014	32009	1.00
8	Bernad, E.S., Hudrea, C.I., Bernad, S.I., Totorean, A.F., Bosioc, A.I.	5	Luminal flow alteration in presence of the stent	International Conference of Computational Methods in Sciences and Engineering 2015, ICCMSE 2015, Athens, AIP Conference Proceedings ISSN: 0094-243X WOS:000371804300033	1702	2015	80011	1.00
9	Bernad, S.I., Totorean, A., Bosioc, A.I., Crainic N., Hudrea, C., Bernad, E.S.	6	Fluid mechanics in stented arterial model	International Conference of Computational Methods in Sciences and Engineering 2015, ICCMSE 2015, Athens, AIP Conference Proceedings ISSN: 0094-243X WOS:000371804300033	1702	2015	80008	1.00
10	Bernad, E.S., Bernad, S.I., Totorean, A.F., Hudrea C., Bosioc, A.I., Crainic, N.	6	Fluid dynamics in 45 degrees arterial by-pass model	International Conference of Computational Methods in Sciences and Engineering 2015, ICCMSE 2015, Athens, AIP Conference Proceedings ISSN: 0094-243X WOS:000371804300033	1702	2015	80010	1.00
11	Totorean, A., Bernad, S., Bosioc, A., Hudrea, I., Bernad, E.S., Susan-Resiga, R.	6	The Influence of Number of Turns to Helicity Variations at the Outlet Sections in Helical Geometries with Applications for By-pass Graft	International Conference of Computational Methods in Sciences and Engineering 2015, ICCMSE 2015, Athens, AIP Conference Proceedings ISSN: 0094-243X WOS:000371804300033	1702	2015	80007	1.00
12	Tănasă, C., Susan-Resiga, R., Muntean, S., Stuparu, A., Bosioc, A., Ciocan, T.	6	Numerical Assessment of a Novel Concept for Mitigating the Unsteady Pressure Pulsations Associated to Decelerating Swirling Flow with Precessing Helical Vortex	International Conference of Computational Methods in Sciences and Engineering 2015, ICCMSE 2015, Athens, AIP Conference Proceedings ISSN: 0094-243X WOS:000371804300033	1702	2015	80003	1.00
13	Tanasa, C., Muntean, S., Bosioc, A.I., Susan-Resiga, R., Ciocan, T.	5	Influence of the air admission on the unsteady pressure field in a decelerated swirling flow	UPB Scientific Bulletin, Series D: Mechanical Engineering, ISSN 14542358	78(3)	2016	161-170	1.00

14	Bernad, S.I., Bosioc, A., Bernad, E.S., Petre, I., Totorean, A.F.	5	Flow characteristics in narrowed coronary bypass graft	International Conference of Numerical Analysis and Applied Mathematics 2015, ICNAAM 2015, Rhodes, AIP Conference Proceedings, ISSN 0094243X	1738	2016	30025	1.00
15	Bernad, S.I., Totorean, A.F., Bosioc, A.I., Petre, I., Bernad, E.S.	5	Stent implantation influence wall shear stress evolution	International Conference of Numerical Analysis and Applied Mathematics 2015, ICNAAM 2015, Rhodes, AIP Conference Proceedings, ISSN 0094243X	1738	2016	30027	1.00
16	Hasmatuchi V., Bosioc A.I., Munch-Alligne C.	3	On the Dynamic Measurements of Hydraulic Characteristics	28th IAHR Symposium on Hydraulic Machinery and Systems, IAHR 2016, Grenoble, IOP Conference Series: Earth and Environmental Science, ISSN 17551307	49(6)	2016	62001	1.00
17	Muntean S., Bosioc A.I., Draghici I., Anton L.E.	4	Hydrodynamic Analysis of the Flow Field Induced by a Symmetrical Suction Elbow at the Pump Inlet	29th IAHR Symposium on Hydraulic Machinery and Systems, IAHR 2016, Grenoble, IOP Conference Series: Earth and Environmental Science, ISSN 17551307	49(3)	2016	32014	1.00
18	Muntean S., Tanasa C., Bosioc A.I., Mos D.C.	4	Investigation of the Plunging Pressure Pulsation in a Swirling Flow with Precessing Vortex Rope in a Straight Diffuser	30th IAHR Symposium on Hydraulic Machinery and Systems, IAHR 2016, Grenoble, IOP Conference Series: Earth and Environmental Science, ISSN 17551307	49(8)	2016	82010	1.00
19	Bernad E.S., Bernad S.I., Totorean A.F., Bosioc A.I., Sargan I.	5	Flow patterns in helical-type graft: Biomedical applications	International Journal of Design and Nature and Ecodynamics, ISSN 17557437	12(1)	2017	30-43	1.00
20	Bernad S.I., Bosioc A.I., Totorean A.F., Petre I., Bernad E.S.	5	Wall shear stress evolution in carotid artery bifurcation	International Conference of Numerical Analysis and Applied Mathematics 2016, ICNAAM 2016, AIP Conference Proceedings, ISSN 0094243X	1863	2017	30020	1.00
21	Moş, D.C., Muntean, S., Bosioc, A., Tănasă, C., Susan-Resiga, R.	5	Experimental Investigation of the Unsteady Pressure Field in Decelerated Swirling Flow with 74 degrees Sharp Heel Elbow	Symposium on Hydropower plants Performance and flexible Operation towards Lean integration of new renewable ENERGIES (HYPERBOLE) Journal of Physics Conference Series, ISSN: 1742-6588 WOS:000440372200046	813	2017	12046	1.00

22	Stuparu A., Baya A., Bosioc A.I., Anton L., Mos D.C.	5	Modelling the operation curves of two similar high power centrifugal pumps	International Conference of Numerical Analysis and Applied Mathematics, ICNAAM 2017, Thessaloniki, AIP Conference Proceedings, ISSN 0094243X	1978	2018	30005	1.00
23	Muntean S., Bosioc A.I., Draghici I., Anton L.E.	4	Investigation and analysis of the flow field induced by a symmetrical suction elbow at the pump inlet	ASME-JSME-KSME 2019 8th Joint Fluids Engineering Conference, AJKFluids 2019, ISBN 978-079185905-6	3B-2019	2019	5066	1.00
24	Muntean S., Bosioc A.I., Marsavina L., Galatanu S.V., Draghici I., Anton L.E.	6	Failure analysis of the rainwater axial pumps installed in a wastewater pumping station	29th IAHR Symposium on Hydraulic Machinery and Systems, IAHR 2018, Kyoto, IOP Conference Series: Earth and Environmental Science, ISSN 17551307	240(3)	2019	32022	1.00
25	Stuparu A., Baya A., Bosioc A.I., Anton L., Mos D.C.	5	Experimental investigation of a pumping station from CET power plant Timisoara	30th IAHR Symposium on Hydraulic Machinery and Systems, IAHR 2018, Kyoto, IOP Conference Series: Earth and Environmental Science, ISSN 17551307	240(3)	2019	32021	1.00
26	Tănasă, C., Stuparu, A., Bosioc, A., Susan-Resiga, R.	4	Numerical analysis of pulsating water jet method for mitigating the vortex rope	Proceedings of 2019 International Conference on ENERGY and ENVIRONMENT IEEE, ISBN: 978-172811532-0		2019	423-428	1.00
27	Szkal R.A., Muntean S., Bosioc A.I., Susan-Resiga R., Vekas L.	5	3D numerical investigations of the swirling flow in a straight diffuser for the variable speed values of the rotor obtained with a magneto-rheological brake	30th IAHR Symposium on Hydraulic Machinery and Systems (IAHR 2020) 21-26 March 2021, Lausanne, Switzerland, IOP Conf. Series: Earth and Environmental Science, ISSN 17551307	774	2021	12019, 1-11	1.00
28	Susan-Resiga R., Muntean S., Bosioc A.I., Stuparu A.	4	Stabilisation of the swirl exiting a Francis runner far from the best efficiency point	30th IAHR Symposium on Hydraulic Machinery and Systems (IAHR 2020) 21-26 March 2021, Lausanne, Switzerland, IOP Conf. Series: Earth and Environmental Science, ISSN 17551307	774	2021	012113, 1-10	1.00

29	Muntean S., Mos D.C., Szakal R.A., Bosioc A.I., Susan-Resiga R.	5	Influence of the elbow shape on the unsteady pressure field in decelerated swirling flows	30th IAHR Symposium on Hydraulic Machinery and Systems (IAHR 2020) 21-26 March 2021, Lausanne, Switzerland, IOP Conf. Series: Earth and Environmental Science, ISSN 17551307	774	2021	012116, 1-11	1.00	
30	Susan-Resiga R., Bosioc A.I., Stuparu A.	3	Enhanced affinity law for centrifugal pumps at variable speed	IOP Conference Series: Earth and Environmental Science, 14th International Conference on Hydroinformatics, HIC 2022, ISSN 17551307, DOI: 10.1088/1755-1315/1136/1/012056	1136(1)	2022	12056	1.00	
Total									30.00

P1.1 **Articole și publicații științifice indexate Web of Science - Thomson Reuters *, ****

Autor corespondent/Prim autor

maxim 3 autori

Nr. crt.	Autor corespondent=2; Prim autor=1	Nume autori	Titlul lucrării	Denumire Jurnal /ISSN	Volum/ Numar	Anul publicării	nr. pagini (de la .. pana la:)	Factor de impact in anul publicării	Punctaj individual pt n max 3
1	1	Alin Bosioc, Tanasa Constantin	Experimental study of swirling flow from conical diffusers using the water jet control method	Renewable Energy / 0960-1481	152	2020	385-398	6.274	12.95
Total									12.95

* Trebuie sa fim atenti sa nu raportam lucrari ca fiind publicate intr-un jurnal cu IF (de exemplu, din Elsevier) cand, de fapt, ele sunt publicate intr-un jurnal cu un titlu asemanator sau aproape identic cu cel din Elsevier, dar care are cu totul alt statut (de exemplu e doar indexat, nu si cotate, deci nu are IF)

** Nu se iau in considerare decat lucrarile in extenso (cu cel putin 6 pagini, prin exceptie putand avea si minim 4 pagini), in niciun caz abstracte, indiferent ca au aparut intr-un Book of abstracts, sau intr-un jurnal.

P1.2 **Articole și publicații științifice indexate Web of Science - Thomson Reuters * , ****
Autor corespondent/Prim autor ***mai mult de 4 autori inclusiv***

Nr. crt.	Autor corespondent =2; Prim autor=1	Numar autori	Nume autori	Titlul lucrarii	Denumire Jurnal/ ISSN	Volum/ Numar	Anul publicarii	nr. pagini (de la .. pana la:)	Factor de impact in anul publicarii	Punctaj individual
1	1	4	Alin Ilie Bosioc, Raul Szakal, Adrian Stuparu, Romeo Susan-Resiga	Numerical Analysis of the Flow by Using a Free Runner Downstream the Francis Turbine	INTERNATIONAL JOURNAL OF TURBOMACHINERY PROPULSION AND POWER/ 2504-186X	8(2)	2023	14	1.4	2.40
2	1	4	Alin Ilie Bosioc, Romeo Susan-Resiga, Sebastian Muntean, Constantin Tanasa	Unsteady Pressure Analysis of a Swirling Flow with Vortex Rope and Axial Water Injection in a Discharge Cone	JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME / ISSN 0098-2202	134	2012	81104	1.228	2.14
3	1	4	Alin Ilie Bosioc, Romeo Susan-Resiga, Sebastian Muntean, Constantin Tanasa	Pressure recovery improvement in a conical diffuser with swirling flow using water jet injection	Proc. Of the Rom Acad A - Mathematics, Physics, Technical Sciences, Information Science, ISSN 1454-9069	11(3)	2010	245-252	1.623	2.73
Total										7.28

maxim 3 autori

Total	5.76
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Nr. crt	Nume autori	Titlul lucrării	Denumire Jurnal/ISSN	Volum/ Numar	Anul publicării	nr. pagini (de la .. pana la:)	Factor de impact in anul publicării	Numar autori	Punctaj individual
1	Tanasa Constantin, Stuparu Adrian, Bosioc Alin Ilie, Terteci Cristina	Innovative Device to Control Self-Induced Instabilities Associated with the Swirling Flow from the Discharge Cone of Hydraulic Turbines	Actuators/ 2076-0825	14(3)	2025	p.3390	2.3	4	1.88
2	Tanasa Constantin, Bosioc Alin Ilie, Stuparu Adrian, Sebastian Muntean, Romeo Susan-Resiga	A Perspective Review of Passive Techniques Applied to Control the Swirling Flow Instabilities From the Conical Diffuser of Hydraulic Turbines	Applied Mechanics Reviews/0003-6900	76(1)	2023	10801	14.3	5	8.70
3	Szakai Raul, Mecea Darius, Bosioc Alin Ilie, Borbath Istvan, Muntean Sebastian	DESIGN AND TESTING A MAGNETO-RHEOLOGICAL BRAKE WITH CYLINDRICAL CONFIGURATION	PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE / 1454-9069	22(2)	2021	p. 189-197	0.734	5	0.56
4	Tanasa Constantin, Bosioc Alin Ilie, Sebastian Muntean, Romeo Susan-Resiga	A Novel Passive Method to Control the Swirling Flow with Vortex Rope from the Conical Diffuser of Hydraulic Turbines with Fixed Blades	APPLIED SCIENCES-BASEL / 2076-3417	9(22)	2019	p. 4910	2.458	4	1.99
5	Hasmatuchi Vlad, Bosioc Alin Ilie, Luisier Sebastian, Muench-Alligne Cecille	A Dynamic Approach for Faster Performance Measurements on Hydraulic Turbomachinery Model Testing	APPLIED SCIENCES-BASEL / 2076-3418	8(9)	2018	p. 1426	2.458	4	1.99

6	Totorean A.F., Hudea C.I., Bosioc A.I., Bernad S.I.	Flow field evolution in stented versus stenosed coronary artery	Proceedings of the Romanian Academy, Series A - Mathematics Physics Technical Sciences Information Science / 1454-9069	18(3)	2017	248-255	1.752	4	1.46
7	Javadi Ardalan, Bosioc Ilie Alin, Hakan Nilsson, Muntean Sebastian, Susan-Resiga Romeo	Experimental and Numerical Investigation of the Precessing Helical Vortex in a Conical Diffuser, With Rotor-Stator Interaction	Journal of Fluids Engineering / 0098-2202	138(8)	2016	p. 81106	1.437	5	0.98
8	Draghici Ionel, Muntean Sebastian, Bosioc Ilie Alin, Ginga Gheorghita, Liviu Anton	Unsteady pressure field analysis at pump inlet equipped with a symmetrical suction elbow	Proceedings of the Romanian Academy, Series A - Mathematics Physics Technical Sciences Information Science / 1454-9069	17(3)	2016	237-244	1.623	5	1.09
9	R.F. Susan-Resiga, S. Muntean, A. Stuparu, A.I. Bosioc, C. Tanasa, C. Ighisan	A variational model for swirling flow states with stagnant region	European Journal of Mechanics B/Fluids / 0997-7546	55	2016	104-115	1.969	6	1.08
10	Sandor Bernad, Bosioc Ilie Alin, Elena Bernad, Craina Marius	Helical type coronary bypass graft performance: Experimental investigations	Bio-Medical Materials and Engineering / 0959-2989	26	2015	477-486	0.7	4	0.68
11	Bernad, S.I., Bosioc, A., Bernad, E.S., Craina, M.L.	Comparison between experimentally measured flow patterns for straight and helical type graft	Bio-Medical Materials and Engineering / 0959-2990	24(1)	2014	853-860	0.7	4	0.68
12	Alin Totorean, Alin Bosioc, Sandor Bernad, Romeo Susan-Resiga	IDENTIFICATION AND VISUALIZATION OF VORTICES IN BY-PASS GRAFT FLOW	Proc. Of the Rom Acad A - Mathematics, Physics, Technical Sciences, Information Science / 1454-9069	15(1)	2014	52-59	1.623	4	1.37
13	Constantin Tanasa, Romeo Susan-Resiga, Sebastian Muntean, Alin Ilie Bosioc	Flow-Feedback Method for Mitigating the Vortex Rope in Decelerated Swirling Flows	JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME / 0098-2202	135(6)	2013	p. 61304	1.437	4	1.23
14	Tănasă, C., Bosioc, A.I., Muntean, S., Susan-Resiga, R.F.	Flow-feedback control technique for vortex rope mitigation from conical diffuser of hydraulic turbines draft tube	Proc. Of the Rom Acad A - Mathematics, Physics, Technical Sciences, Information Science / 1454-9069	12(2)	2011	125-132	0.276	4	0.36

Total **24.05**

P2.1<4 **Brevete internationale indexate in Web of Science-Derwent Innovation**

Prim autor/autor corespondent

maxim 3 autori

Nr.crt	Autori	Titlul brevetului/numar	Anul obtinerii brevetului	Numar autori	Punctaj individual
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0.00

Total

0.00

P2.1>4 **Brevete internationale indexate in Web of Science-Derwent Innovation**
Prim autor/autor corespondent *minim 4 autori*

Nr.crt	Autori	Titlul brevetului/numar	Anul obtinerii brevetului	Numar autori	Punctaj individual
					0.00
Total					0.00

P2.2<4 **Brevete indexate OSIM**
Prim autor/autor corespondent *maxim 3 autori*

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
					0.00
Total					0.00

P2.2>4 **Brevete indexate OSIM**
Prim autor/autor corespondent

minim 4 autori inclusiv

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
1	Susan-Resiga R., Bosioc A.I., Tanasa C., Stuparu A., Szakal R.	Equipment for reducing the instabilities in hydraulic turbines, patent application RO135938-A0, deposit date: 08.04.2022.	2022	5	0.84
2	MUNTEAN Sebastian, SUSAN-RESIGA Romeo-Florin, BOSIOC Ilie Alin, CONSTANTIN Sorin-Razvan, MAXIM Daniel-Iosif, TĂNASĂ Constantin, VÉKÁS Ladislau-Nicolae, BORBATH Istvan, ANTON Liviu-Eugen	ECHIPAMENT PENTRU REDUCEREA EFECTELOR CAVITAȚIONALE ȘI UNIFORMIZAREA CURGERII LA INTRAREA ÎN TURBOPOMPE, RO131578-B1 Derwent Primary Accession Number: 2017-00484G	2019	9	0.47

1.31

P2.2.1<4 **Brevete internationale indexate in Web of Science-Derwent Innovation**
Co-autor *maxim 3 autori*

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
					0.00
Total					0.00

P2.2.1>4 **Brevete internationale indexate in Web of Science-Derwent Innovation**
Co-autor *minim 4 autori inclusiv*

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
Total					0.00

P2.2.2<4

Brevete indexate OSIM; co-autor;

maxim 3 autori

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
1	Susan-Resiga R.; Tanasa C.; Bosioc A.I.,	Device for reducing instabilities of swirl flow in conical diffuser of hydraulic turbines, patent application RO137523-A0, deposit date: 07.10.2022.	2022	3	0.70
Total					0.70

P2.2.2>4

Brevete indexate OSIM; co-autor;

minim 4 autori

Nr.crt	Autori	Titlul brevetului	Anul aparitiei	Numar autori	Punctaj individual
1	Susan-Resiga R.F., Tanasa C., Bosioc A.I., Ciocan T., Stuparu A., Muntean S	Metodă și echipament pentru controlul curgerilor cu rotație din difuzorul conic al turbinelor hidraulice, RO130075-B1 Derwent Primary Accession Number: 2015-231185	2017	6	0.35
2	Romeo SUSAN-RESIGA, Sebastian MUNTEAN, Constantin TĂNASĂ, Alin BOSIOC, Tiberiu CIOCAN, Constantin POPESCU	ECHIPAMENT PENTRU CONTROLUL INSTABILITĂȚILOR CURGERILOR CU VÂRTEJ DIN DIFUZORUL CONIC AL TURBINELOR HIDRAULICE, RO131408-B1 Derwent Primary Accession Number: 2016-61594	2019	7	0.30
Total					0.65

N4.1-2

Produse, tehnologii, platforme și servicii inovative (validate conform procedurilor specifice unităților de învățământ superior sau de cercetare)

Nr.crt	Denumire produs	anul validării/mod validare (procedura)	Numar contributory	Calitatea:1 - coordonator; 2 membru in echipa	Punctaj individual
1	Creșterea calității învățământului superior de inginerie - Platformă Informatică pentru Ingineria Fluidelor (PiiF)	2014/grant	7	2	1.00
Total					1.00

N4.3 **Monografii/cărți de specialitate, format tipărit/electronic (min. 100 pag.)**

prim autor/coordonator

Nr.crt	Autori	Titlul	Editura	Anul editarii	ISBN	Nr. Pagini	Punctaj individual
1	Alin Ilie Bosioc, Romeo Florin Susan-Resiga	Hydrodynamics of decelerated swirling flows	Politehnica	2025	978-606-35-0621-5	150	1.00

Total	1.00
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N4.4 Monografii/cărți de specialitate, format tipărit/electronic (min. 100 pag.)

co - autor

Nr.crt	Autori	Titlul	Editura	Anul editarii	ISBN	Nr. Pagini	Punctaj individual
1	Constantin Tanasa, Alin Bosioc	Tehnici de control a curgerii cu rotatie in difuzorul conic al turbinelor hidraulice	Politehnica	2017	98-606-35-0182	217	1.00
Total							1.00

N5 **Prezentarea/Diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor/co-autor de lucrări, profesor invitat**

Nr. Crt.	Tipul activitatii: conferinta/congres=1; workshop international=2; profesor invitat=3	Denumire Congress, workshop/Institutia unde a fost invitat	Anul /perioada (pt. prof. invitat)	Titlul lucrarii sustinute in calitate de autor sau co- autor/ Prelegeri expuse pt profesor invitat	link email/alte modalitati de justificare a activitatii	Punctaj realizat	
1	1	32ND IAHR SYMPOSIUM ON HYDRAULIC MACHINERY AND SYSTEMS	2024	The influence of the free runners on the decelerated swirling flow from the draft tube cone of hydraulic turbines	https://iitr.ac.in/iahr2024/docs/Symposium_Prog_Booklet_IAHR-2024.pdf	1.00	Alin BOSIQC, Raul SZAKAL, Constantin TANASA, Romeo SUSAN- RESIGA
2	1	9th IAHR Meeting of the WorkGroup on Cavitation and Dynamic Problems in Hydraulic Machinery and Systems (IAHRWG 2023)	2023	Flat free runner with outer ring for reducing the hydraulic instabilities developed in the discharge cone of a Francis turbine	https://iahrwg2023.upt.ro/assets/files/IAHRWG2023-booklet-v.4.pdf	1.00	Alin BOSIQC, Adrian STUPARU, Constantin TANASA, Romeo SUSAN- RESIGA
3	1	20th International Conference of Numerical Analysis and Applied Mathematics	2022	Numerical Analysis of a Free Runner Mounted Downstream Of Francis Runners	https://drive.google.com/file/d/1pBVSPAJ4sVwMQZzsRI8-QFPAHaAN7tX/view	1.00	Alin BOSIQC, Raul SZAKAL, Adrian STUPARU, Romeo SUSAN-RESIGA
4	1	Conference on Modelling Fluid Flow (CMFF'22)	2022	Numerical Analysis of the Flow by Using a Free Runner Downstream the Francis Turbine	https://www.cmff.hu/?page=program	1.00	Alin BOSIQC, Raul SZAKAL, Adrian STUPARU, Romeo SUSAN-RESIGA
5	1	31st Symposium on Hydraulic Machinery and Systems (IAHR 2022)	2022	Experimental Investigation of a Free Runner Concept Downstream of Francis Turbines	https://www.ntnu.edu/iahr2022/program-me-thursday	1.00	Alin BOSIQC, Raul SZAKAL, Constantin TANASA, Romeo SUSAN-RESIGA
6	1	17th International Conference on Computational Methods in Sciences and Engineering (ICCMSE'2021)	2021	Free Runner Concept Downstream Of Francis Turbines	http://www.history.iccmse.org/archives/ICCMSE2021/iccmse.org/index.html	1.00	Alin BOSIQC, Constantin TANASA, Adrian STUPARU, Romeo SUSAN_RESIGA
7	1	29th IAHR Symposium on Hydraulic Machinery and Systems	2019	Experimental analysis of a pump equipped with an axial rotor with variable speed	http://www.iahrkyoto2018.org/program_book/files/TechnicalSessions.pdf	1.00	Alin BOSIQC, Daniel MOS, Ionel DRAGHICI, Sebastian MUNTEAN, Liviu ANTON
8	1	Conference on Numerical Analysis and Applied Mathematics (ICNAAM2017), Thessaloniki, Greece, 2017	2017	Numerical Simulation of an Axial Rotor with Variable Speed in a Pump Impeller	http://history.icnaam.org/icnaam_2017/sites/default/files/Preliminary%20Program%20of%20ICNAAM%202017_ver_60.pdf	1.00	Alin BOSIQC, Sebastian MUNTEAN and Liviu ANTON
9	1	19th International Seminar on Hydropower Plants, Vienna - Austria, 2016	2016	Numerical Assessmet of the Flow Field Induced by an Axial Rotor with Variable Speed in a Pump Impeller	https://www.viennahydro.com/wp-content/uploads/Tagungsprogramm_ISHP_P2016_gesamt.pdf	1.00	Alin BOSIQC, Sorin CONSTANTIN, Sebastian MUNTEAN, Liviu ANTON

10	1	SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT, EENVIRO 2016, Bucuresti	2016	Experimental analysis of the global performances for a pump with symmetrical suction elbow at two speeds		1.00	Ionel Drăghici, Constantin Atanăsoaie, <u>Alin Bosioc</u> , ebastian Muntean, Liviu Anton
11	1	International Conference of Numerical Analysis and Applied Mathematics 2016, ICNAAM 2016; Rodos, Greece	2016	Numerical analysis of temperature and torque in a Magneto-rheological clutch	http://history.icnaam.org/icnaam_2016/sites/default/files/Preliminary_Program_ICNAAM_2016_68th.pdf	1.00	<u>Alin Bosioc</u> , Adrian Stuparu, Romeo Susan-Resiga
12	1	1st International Conference on Materials Design and Applications, Porto-Portugal, 2016	2016	Experimental investigations of MR fluids in air and water used for brakes and clutches	https://paginas.fe.up.pt/~mda2016/documentos/MDA2016%20Program.pdf	1.00	Alin BOSIOC, Emanuel BEJA, Sebastian MUNTEAN, Istvan BORBATH, Ladislau VEKAS
13	1	28th IAHR Symposium on Hydraulic Machinery and Systems, Grenoble, France, 2016	2016	Hydrodynamic Analysis of the Flow in an Axial Rotor and Impeller for Large Storage Pump		1.00	<u>Alin BOSIOC</u> , Sebastian MUNTEAN, Ionel DRAGHICI and Liviu ANTON
14	1	The 10th International Symposium on Numerical Analysis of Fluid Flow and Heat Transfer Numerical Fluids 2015, Grecia, Rhodes	2015	Experimental and Numerical Investigation of a Draft Tube Cone at Lower Runner Speeds		1.00	Alin BOSIOC, Constantin Tanasa
15	1	International Conference on ENERGY and ENVIRONMENT, CIEM, Bucuresti, 2014	2014	LDA measurements of unsteady velocity field for decelerated swirling flows in a discharge cone		1.00	Alin BOSIOC, Constantin Tanasa
16	1	26 th IAHR Symposium on Hydraulic Machinery and Systems, Beijing, China, Aug.2012	2012	Experimental investigations of the swirling flow in the conical diffuser using flow-feedback control technique with additional energy source		1.00	Tanasa C., Bosioc A.I., Susan-Resiga R.F., Muntean S
17	1	Conference on Modelling Fluid Flow (CMFF'12), September 4-7, Budapest, Hungary, 2012	2012	Numerical analysis of a swirling flow generated at lower runner speeds		1.00	<u>Bosioc A.</u> , Tanasa C., Susan-Resiga R., Muntean S., Vekas L
18	1	4 th International Meeting on Cavitation and Dynamic Problems in Hydraulic Machinery and Systems, Belgrade, Serbia, pp.305-312, October 26-28, 2011	2011	Experimental Analysis of Unsteady Velocity in Decelerated Swirling Flows		1.00	Bosioc A., Tanasa C., Susan-Resiga R., Muntean S
19	1	25 th IAHR Symposium on Hydraulic Machinery and Systems Timisoara, Romania, Sept. 2010	2010	Unsteady pressure measurements and numerical investigation of the jet control method in a conical diffuser with swirling flow		1.00	Bosioc A.I., Tanasa C., Muntean S., Susan-Resiga R.F
20	1	3rd IAHR International Meeting of the Workgroup on Cavitation and Dynamic Problems in Hydraulic Machinery and Systems, Brno, Czech Republic, October 14-16, 2009	2009	2D LDV Measurements and Comparison with Axisymmetric Flow Analysis of Swirling Flow in a Simplified Draft Tube		1.00	Bosioc A.I., Tanasa C., Muntean S., Susan-Resiga R
21	1	Conference on Modelling Fluid Flow (CMFF'09), September 9-12, Budapest, Hungary, 2009	2009	2D LDV Measurements of Swirling Flow in a Simplified Draft Tube		1.00	Bosioc A.I., Tanasa C., Muntean S., Susan-Resiga R

Total	20.00
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Atragere resurse financiare prin granturi/proiecte/contracte terți

Nr.crt	Calitatea: director = 1, membru in echipa = 2	Tip proiect *	Titlul proiectului	Perioada de derulare	Valoare totala UPT** [ech. Euro]	Valoarea alocata membrului in echipa de catre directorul de proiect*** [ech. Euro]	Punctaj individual
1	1	INCDTIM Cluj- Napoca, ctr. nr. BC 65/2020	Servicii de măsurători magneto-reologice	10-12.2020	5378	360	5.38
2	1	PN-III-P1-1.1-TE- 2019-1594, TE 179/2020	Rotor liber pentru controlul curgerii cu rotație la ieșirea din turbinile hidraulice	2020-2022	92000	12000	92.00
3	1	PN-TE-2014-4- 1089, TE 62/2015	Soluție inovatoare de dispozitiv magneto-reologic pentru îmbunătățirea performanțelor pompelor centrifuge	2015-2017	92173	14400	92.17
4	1	ZOPPAS Industries, ctr. nr. BC 96/01.08.2014	Numerical simulation of heat convection for a washing machine heating system function of the thickness of limestone layer	2014	3440	600	3.44
5	1	PN-II-RU-PD-2011- 3-0165, PD 32/2011	Dispozitiv magneto-reologic pentru controlul curgerii cu rotație	2011-2013	48487	9200	48.49
6	1	PN-IV-P7-7_1-PED- 2024-1113	Control cu jet de apă energetic-eficient pentru creșterea flexibilității în operare a turbinelor hidraulice	2025-2026	56000	10000	56.00

* Se va specifica fie tipul competiției, fie terți în cazul contractelor cu mediul economic

** Se va introduce valoarea fără TVA

*** Pentru contracte derulate înainte de 01.01.1999 se va considera echivalarea: 1 Euro=1 USD

7	2	CEEX-M1-C2-1185	Integrarea Tehnologiilor Magneto-Reologice Speciale și al Controlului Avansat al Curgerii în Aplicații Industriale	2006-2008	115126	11512	11.51
8	2	PCE-688/2009	O nouă metodă de control a curgerii decelerate cu vârtje prin injecție de apă și feedback hidrodinamic	2009-2011	77953.10924	7795	7.80
9	2	PCE-2012-4-0634	Instabilități auto-induse ale curgerii cu rotație în turbine hidraulice la regimuri departe de regimul optim	2013-2016	247394.958	18144	18.14
10	2	PN-III-P2-2.1-BG- 2016-0190	Creșterea competitivității COLTERM prin optimizarea tehnologiei de antrenare cu turatie variabila a pompelor centrifuge de termoficare de mare putere	2016-2018	91965	15000	15.00
11	2	TINERE ECHIPE DE CERCETARE - PN-II- RU-TE-2014-4, CTR. 61	Reducerea Curgerii Decelerate cu Vârtej din Difuzoarele Conice Utilizând Jet de Apă Pulsator	2015-2017	92386.55462	10000	10.00
12	2	PN-III-P2-2.1-BG- 2016-082	Transfer de cunoaștere pentru creșterea timpului de funcționare a pompelor pluviale pentru sistemele de apă uzată	2016-2018	77300	11376	11.38
13	2	BC26/2020	Servicii expert- asistenta tehnica, emitere rapoarte , participare sedinte de lucru și audieri în cadrul actiunii de arbitraj international ICC22482/MHM	2020-2021	110000	18000	18.00
14	2	BC105/2021	Servicii de expertiză și asistență tehnică în cadrul acțiunii de arbitraj Dosar nr. 8/2021 aflat pe rolul Curții de Arbitraj Comercial Internațional de pe lângă Camera de Comerț și Industria a României	2022	45200	7000	7.00
15	2	BC76/2022	Modernizare HA1 Slatina - Determinarea unei came combinatorice optimizată din punct de vedere al vibrațiilor și randamentului	2022	88500	12000	12.00
16	2	732PED /2022	Un nou tip de vana pentru controlul și reducerea instabilității curgerii cu rotație din difuzorul conic al turbinelor hidraulice.	2022-2024	121855	20309	20.31
17	2	BC43/2025	Servicii de asistenta tehnica de specialitate pentru testarea pe model a turbinelor aferente obiectivului de investitii "Retehnologizare CHE Vidraru"	2025	25000	6250	6.25
18	2	PED 22/2025	IRIS ajustabil pentru controlul instabilitatilor auto-induse generate de curgerea cu rotație din difuzorul conic al turbinelor hidraulice	2025-2026	50000	5000	5.00

342.49

C Citări în publicații BDI (WOS și Scopus)

Nota: se exclud autocitările

Nu se considera autocitare articolul în care apar autori din articolul citat, dar lipsește declarantul (persoana care completează Fisa de evaluare)

Nr. Crt.	Date de identificare complete ale articolului citat (se exclud autocitările)***	Date de identificare complete ale articolelor care citează	Anul în care a fost citată lucrarea	Linkul articolului care citează	Factorul de impact al publicației WOS în care apare citarea	Punctaj individual
1	Stuparu A., Susan-Resiga R., Bosioc A., CFD Simulation of Solid Suspension for a Liquid-Solid Industrial Stirred Reactor; Applied Sciences-Basel, 11(12), 5705, https://www.webofscience.com/wos/woscc/full-record/WOS:000666066000001					
		Rheological studies and numerical investigation of barite sag potential of drilling fluids with thermochemical fluid additive using computational fluid dynamics (CFD), Alade, O; Mahmoud, M and Al-Nakhli, A, Journal of Petroleum Science and Engineering,	2022	https://www.webofscience.com/wos/woscc/full-record/WOS:000891781200002	5.168	6.17
		Experimental and computational investigation of solid suspension and gas dispersion in a stirred vessel, Ali, BA; Kumar, B and Madana, VST, Physics of Fluids, 34(11), 113318, DOI10.1063/5.0122635	2022	https://www.webofscience.com/wos/woscc/full-record/WOS:000880808000020	4.98	5.98
		Numerical Simulation of the Reorientation Process Under Different Conditions in a Vane-type Surface Tension Propellant Tank, Wang, L; Zhang, XY; (...); Huang, B, Microgravity science and Technology, 34(3), DOI10.1007/s12217-022-09950-7	2022	https://www.webofscience.com/wos/woscc/full-record/WOS:000803977400001	1.642	2.64
		Computational prediction of the just-suspended speed, Njs, in stirred vessels using the lattice Boltzmann method (LBM) coupled with a novel mathematical approach, Sirasitthichoke, C; Teoman, B; (...); Armenante, PM, Chemical Engineering Science, 251, 117411, DOI10.1016/j.ces.2021.117411	2022	https://www.webofscience.com/wos/woscc/full-record/WOS:000782959500001	4.889	5.89
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Total						1042.67