

Universitatea din Oradea	PROCEDURA pentru înființarea, evaluarea și ierarhizarea centrelor de cercetare	COD: SEAQ PE-U.03	Revizia										
			1	2	3	4	5	6	7	8	9	10	11
			Aprobat în ședința de Senat nr. 52 martie 2015										



UNIVERSITATEA DIN ORADEA
FACULTATEA DE INGINERIE ENERGETICĂ ȘI
MANAGEMENT INDUSTRIAL
DEPARTAMENTUL DE INGINERIE ENERGETICĂ

<http://www.energetica-oradea.ro/>



Nr. 219 / 26.03.2025



RAPORT DE AUTOEVALUARE
pentru perioada 2020-2024
(Actualizare anuală)

CENTRUL DE CERCETARE
“MANAGEMENTUL PROCESELOR ENERGETICE”

ORADEA, Februarie 2025

Cuprins RAE

I. Prezentarea Centrului de Cercetare în conformitate cu HG 551 / 2007 (până la apariția unor reglementări legislative în domeniu).....	3
1. Date de autentificare / identificare ale unității de cercetare – dezvoltare.....	3
2. Domeniul	3
3. Starea unității de cercetare – dezvoltare	3
4. Criterii primare de performanță	4
4.1. Lucrări științifice/tehnice publicate în reviste de specialitate cotate ISI.....	4
4.2. Brevete de invenție.....	32
4.3. Produse, tehnologii, studii.....	32
5. Criterii secundare de performanță	33
5.1. Lucrări publicate în reviste de specialitate fără cotație ISI	34
5.2. Lucrări științifice prezentate la conferințe internaționale cu comitet de program	34
5.3. Modele, prototipuri normative, proceduri	36
6. Prestigiul profesional.....	37
7. Venituri realizate prin contracte de cercetare	37
8. Resursa umană de cercetare.....	41
8.1 Ordinograma.....	41
8.2 Structura de personal	41
8.3. Date privind perfecționarea resursei umane.....	41
9. Infrastructura de cercetare – dezvoltare.....	39
9.1. Laboratoare de cercetare – dezvoltare.....	39
9.2. Lista echipamentelor performante achiziționate în ultimii 10 ani.....	39
10. Centralizator Punctaj Centru De Cercetare.....	40
II. Regulamentul de organizare și Statutul de funcționare a Centrului de Cercetare	44
1. Denumirea, participanți, structura, forma juridică, sediul, durata de activitate.....	44
2. Scopul și necesitatea constituirii.....	44
3. Obiect de activitate	45
4. Principii de organizare si funcționare	46
5. Patrimoniul Centrului de Cercetare	47
6. Reglementări financiare.....	48
7. Dispoziții finale	49

I. Prezentarea Centrului de Cercetare în conformitate cu HG 551 / 2007 (până la apariția unor reglementări legislative în domeniu)

RAE pentru activitatea desfășurată în perioada 2020 – 2024

1. DATE DE AUTENTIFICARE / IDENTIFICARE ALE UNITĂȚII DE CERCETARE – DEZVOLTARE

1.1.	Denumirea
	CENTRUL DE CERCETARE: MANAGEMENTUL PROCESELOR ENERGETICE
1.2.	Statutul Juridic
	Centru de cercetare din cadrul Universității din Oradea
1.3.	Actul de înființare
	Titlul
	CENTRUL DE CERCETARE de interes local integrat în cadrul Facultății Inginerie Energetica si Management Industrial
	Data emiterii
	Ianuarie 2008
	Organul emitent
	Consiliul Cercetării al Universității din Oradea
	Modificări ulterioare
	Centru de cercetare de Interes Local, atestat intern prin certificatul Nr. 5775/27.05.2014
1.4.	Nr. din înregistrare în Registrul potențialilor contractori
	1155
1.5.	Director
	Șef lucrări dr. Moldovan Vasile
1.6.	Adresa
	Str. Universității nr. 1, cod 410087
1.7.	Tel, Fax, Pagina web, E-mail
	www.uoradea.ro , email: moldovan@uoradea.ro

2. DOMENIUL

2.1.	Conform clasificării UNESCO
	33. ȘTIINȚE TEHNOLOGICE
2.2.	Conform clasificării CAEN
	71, 72, 73, 58

3. STAREA UNITĂȚII DE CERCETARE – DEZVOLTARE

3.1.	Misiunea unității de cercetare dezvoltare, direcțiile de cercetare, dezvoltare, inovare
	Coordonarea, gestionarea și valorificarea activităților de cercetare cu caracter fundamental și aplicativ, în următoarele direcții (colective de cercetare): • Calitatea și fiabilitate sistemelor energetice (FSE); • Eficiența proceselor energetice (EPE); • Impactul proceselor energetice asupra mediului (IPEAM); Formarea și perfecționarea resurselor umane dedicate gestionării adecvate a proceselor energetice, în cadrul școlilor de masterat și doctorat.
3.2.	Modul de valorificare a rezultatelor de cercetare, dezvoltare, inovare și gradul de recunoaștere a acestora
	Valorificarea rezultatelor cercetărilor se face prin: publicare de lucrări științifice și tratate de specialitate, dotarea laboratoarelor, autoinstruire și învățarea cursanților, organizarea unor conferințe internaționale care să includă și tematica de cercetare a centrului.

4. CRITERII PRIMARE DE PERFORMANȚĂ

4.1. Lucrări științifice/tehnice publicate în reviste de specialitate cotate ISI

4.1.1 Numar de lucrări științifice: 30, punctaj 30 x 30 puncte = 900 puncte

Nr. crt.	Data publicării		Autor(i)	Titlul articolului	Revista ISI	ISSN	Factorul de impact al revistei
	An	Luna					
1).	2024	08	Hora, C., Dan F.C., Secui M., Hora H.	Systematic Literature Review on Pipeline Transport Losses of Hydrogen, Methane, and Their Mixture, Hythane	Energies, Volume 17, Issue 18, https://www.mdpi.com/journal/energies https://doi.org/10.3390/en17184709	1996-1073	FI 2022=3,2
2).	2024	01	Secui DC, Hora C, Bendea C, Secui ML, Bendea G, Dan F	Modified Social Group Optimization to Solve the Problem of Economic Emission Dispatch with the Incorporation of Wind Power, https://doi.org/10.3390/su16010397	Sustainability, 16 (1) https://www.mdpi.com/2071-1050/16/1/397	2071-1050	FI 2023=3.3
3).	2024	09	Secui DC, Secui ML,	Social small group optimization algorithm for large-scale economic dispatch problem with valve-point effects and multi-fuel sources, https://doi.org/10.1007/s10489-024-05517-8	Applied Intelligence, 54(17-18), https://link.springer.com/article/10.1007/s10489-024-05517-8	0924-669X	FI 2024=3.4
4).	2024	08	Jaradat M., Almashaileh S., Bendea C., Juaidi A., Bendea G., Bungău T.	Green Hydrogen in Focus: A Review of Production Technologies, Policy Impact, and Market Developments	Energies, Volume 17, Issue 16 (August-2 2024), Article Number 3992, 2024, WOS: 001305290400001 https://www.mdpi.com/1996-1073/17/16/3992	1996-1073	FI2024=3
5).	2024	10	Oros, GI, Dzitac, S, Bardac-Vlada, DA	Introducing the Third-Order Fuzzy Superordination Concept and Related Results	Mathematics https://www.mdpi.com/2227-7390/12/19/3095 https://doi.org/10.3390/math12193095	2227-7390	FI2023=2,3
6).	2024	10	Simo, A, Dzitac, S, Ferestyan, L, Dumitru, CD, Gligor, A	Optimizing Electric Vehicle Performance: Advances in Battery Management Systems for Enhanced Efficiency and Longevity	International Journal of Computers Communications & Control https://doi.org/10.15837/ijccc.2024.5.6794 https://univagora.ro/jour/index.php/ijccc/article/view/6794	1841-9844	FI2023=2
7).	2024	07	Sabau-Popa, CD, Rus, L, Florea, A, Ban, OI, Dzitac, S, Marcu, OA	Were the manufacturing companies resilient in the face of Covid-19 or did they take advantage?	Technological and Economic Development of Economy https://doi.org/10.3846/tede.2024.20806 https://journals.vilniustech.lt/index.php/TEDE/article/view/20806	2029-4913	FI2023=4,8
8).	2024	02	Stanojevic, B, Pantelic, O, Dzitac, S	Enhanced Solutions to Intuitionistic Fuzzy Multiobjective Linear Fractional Optimization Problems via Lexicographic Method	International Journal of Computers Communications & Control https://doi.org/10.15837/ijccc.2024.1.6333 https://univagora.ro/jour/index.php/ijccc/article/view/6333	1841-9844	FI2023=2
9).	2023	01	Bendea, G., Felea, I., Hora, C., Bendea, C., Felea A., Blaga A.	Energy performance analysis of a heat supply system of a university campus	Energies, Volume 16, Issue 1 https://www.mdpi.com/journal/energies https://doi.org/10.3390/en16010174	1996-1073	FI2022=3,2

10).	2023	05	Bungău, C.C., Hanganu Prada, F.I., Bungău, T., Bungău, C., Bendea, G. , Prada, M.F.	Web of science scientometrics on the energy efficiency of buildings to support sustainable construction policies	Sustainability, Volume 15, Issue 11 https://www.mdpi.com/journal/sustainability https://doi.org/10.3390/su15118772	2071-1050	FI2022=3,9
11).	2023	12	A. Simo, S. Dzitac , A. Duțu, I. Pandelica	Smart Agriculture in the Digital Age: A Comprehensive IoT-Driven Greenhouse Monitoring System	International Journal of Computers Communications & Control https://univagora.ro/jour/index.php/ijccc/index https://doi.org/10.15837/ijccc.2023.6.6147	1841-9836	FI2022=2,7
12).	2023	10	Olimpia-Iuliana Ban, Simona Dzitac , Attila Simó and Adrian Florea	Romania residents' attitude investigation toward the transition to renewable energy sources through importance-performance analysis	Sustainability https://www.mdpi.com/journal/sustainability https://doi.org/10.3390/su152014790	2071-1050	FI2022=3,9
13).	2023	02	Dumitru, Cristian-Dragoș, Adrian Gligor, Ilie Vlase, Attila Simo, and Simona Dzitac	Energy Contour Forecasting Optimization with Smart Metering in Distribution Power Networks	Sensors https://www.mdpi.com/journal/sensors https://doi.org/10.3390/s23031490	1424-8220	FI2022=3,9
14).	2022	11	Badea GE, Hora C. , Maiorescu I, Cojocaru A., Secui DC , Filip SM, Dan FC	Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development	Energies https://www.mdpi.com/journal/energies https://doi.org/10.3390/en15228560	1996-1073	FI 2021=3,252
15).	2022	08	Hora C. , Dan FC., Rancov N. , Badea GE, Secui C	Main Trends and Research Directions in Hydrogen Generation Using Low Temperature Electrolysis: A Systematic Literature Review	Energies https://www.mdpi.com/journal/energies https://doi.org/10.3390/en15166076	1996-1073	FI 2021=3,252
16).	2022	03	Secui DC, Rancov N	Hybrid Sine–Cosine Algorithm with Flower Pollination Algorithm for Economic Dispatch Problem with Valve-Point Effects and Wind Power Integration	Arabian Journal for Science and Engineering 47(3) https://www.springerprofessional.de/en/archive/journal/13369 https://doi.org/10.1007/s13369-021-06295-y	2193-567X	FI 2021=2.807
17).	2022	01	Hora C , Dan FC, Bendea G , Secui DC	Residential Short-Term Load Forecasting During Atypical Consumption Behavior	Energies https://www.mdpi.com/journal/energies https://doi.org/10.3390/en15010291	1996-1073	FI 2021=3,252
18).	2022	12	A Simo, S Dzitac , G E Badea, D Meianu	Smart Agriculture: IoT-based Greenhouse Monitoring System	International Journal of Computers Communications & Control https://univagora.ro/jour/index.php/ijccc/ https://doi.org/10.15837/ijccc.2022.6.5039	1841-9844	FI 2021=2,635
19).	2022	05	GI Oros, Simona Dzitac	Applications of Subordination Chains and Fractional Integral in Fuzzy Differential Subordinations	Mathematics https://doi.org/10.3390/math10101690	2227-7390	FI 2021=2,592
20).	2022	02	Simo A, Dzitac S , Dzitac D	First Responders' Localization and Health Monitoring During Rescue Operations	International Journal of Computers Communications & Control https://doi.org/10.15837/ijccc.2022.1.4665	1841-9844	FI 2021=2,635
21).	2021	12	Dzitac S , Deac D, Nadaban S, Oros H	Fuzzy Normed Linear Spaces: A General View	International Journal of Computers Communications & Control	1841-9844	FI 2020=2,293

					https://doi.org/10.15837/ijccc.2020.4.3891		
22).	2021	12	Badulescu D, Simut R, Mester I, Dzitac S , Sehleanu M, Bac D, Badulescu A	Do economic growth and environment quality contribute to tourism development in EU countries? A panel data analysis	Technological and Economic Development of Economy https://doi.org/10.3846/tede.2021.15781	2029-4913	FI 2020=3,97
23).	2021	07	Dzitac S. , Nadaban S	Soft Computing for Decision-Making in Fuzzy Environments: A Tribute to Professor Ioan Dzitac	Mathematics https://doi.org/10.3390/math9141701	2227-7390	FI 2020=2,258
24).	2021	07	Simo A, Dzitac S , Dzitac I, Frigura-Iliasa M, Frigura-Iliasa FM	Air quality assessment system based on self-driven drone and LoRaWAN network	Computer Communications https://doi.org/10.1016/j.comcom.2021.04.032	0140-3664	FI 2020=3,167
25).	2020	02	Secui DC, Hora C, Bendea G, Bendea C	Parameter estimation using a modified whale optimization algorithm for input-output curves of thermal and hydro power plants	International Transactions on Electrical Energy Systems, Vol: 30, Issue: 2, Article Number: e12188, Published: FEB 2020 https://doi.org/10.1002/2050-7038.12188	2050-7038	FI2020=2.86
26).	2020	09	Birouas, Flaviu Ionut; Tarca, Radu Catalin, Dzitac Simona , Dzitac Ioan	Preliminary Results in Testing of a Novel Asymmetric Underactuated Robotic Hand Exoskeleton for Motor Impairment Rehabilitation	Symmetry 2020, 12(9),1470; https://doi.org/10.3390/sym12091470	2073-8994	FI 2019=2,645
27).	2020	06	Simo A; Dzitac S ; Frigura-Iliasa F M; Musuroi S; Andea P; Meianu D	Technical Solution for a Real-Time Air Quality Monitoring System	International Journal of Computers Communications & Control, 15(4), 3891, 2020, https://doi.org/10.15837/ijccc.2020.4.3891	1841-9844	FI 2019=2,093
28).	2020	08	Stanojević B; Dzitac S ; Dzitac I	Fuzzy Numbers and Fractional Programming in Making Decisions	International Journal of Information Technology & Decision Making Vol. 19, No. 4 (2020) 1123–1147, World Scientific Publishing Company; https://doi.org/10.1142/S0219622020300037	1793-6845	FI 2019=1,894
29).	2020	02	Stanojević B; Dzitac S ; Dzitac I	Crisp-linear-and Models in Fuzzy Multiple Objective Linear Fractional Programming	International Journal of Computers Communications & Control, 15(1), 1005, 2020. https://doi.org/10.15837/ijccc.2020.1.3812	1841-9844	FI 2019=2,093
30).	2020	05	Alina Badulescu, Daniel Badulescu, Ramona Simut, Simona Dzitac	Tourism – Economic Growth Nexus. The Case of Romania	Technological and Economic Development of Economy ISSN: 2029-4913 / eISSN: 2029-4921 2020 Volume 26 Issue 4: 867–884 https://doi.org/10.3846/tede.2020.12532	2029-4913	FI 2019=2,194

Obs. Toate date din tabel sunt pe propria raspundere a membrilor centrului

4.1.3 Numar de citari in reviste de specialitate cotate ISI (citari in perioada de raportare, indiferent când si unde a fost publicat articolul citat): **364** punctaj **364x 5 puncte =1820**

Nr. Crt.	Articolul Citat (An/Luna/Autori/Titlu Articolului/Revista/ISSN)	Articolul care citează					
		Data Publicarii		Autor(i)	Titlul Articolului	Revista ISI	ISSN
		An	Luna				
1.	Badea G E, Hora C., Maior I., Cojocaru A., Secui D.C., Filip S M, Dan F C - Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development,	2024	12	Gopinath, M; Muthuswamy, N and Marimuthu, R	Graphite sheet assisted photovoltaic -thermoelectric generator for hydrogen generation from seawater	Energy Sources part a-recovery utilization and environmental effects	1556-7036

	Energies, Volume 15, Issue 22 (Nov 2022), factor de impact: 3,252, WOS:000887263700001						
2.	Badea G E, Hora C., Maior I., Cojocaru A., Secui D.C., Filip S M, Dan F C - Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22 (Nov 2022), factor de impact: 3,252, WOS:000887263700001	2024	12	Bampaou, M and Panopoulos, KD	A Comprehensive Overview of Technologies Applied in Hydrogen Valleys	ENERGIES	1996-1073
3.	Badea G E, Hora C., Maior I., Cojocaru A., Secui D.C., Filip S M, Dan F C - Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22 (Nov 2022), factor de impact: 3,252, WOS:000887263700001	2024	11	Gupta, A; Kumar, A; Jaidka, Sachin, Ajravat, Kaveri; Brar, LK	Graphene oxide from biomass waste: A pathway to electrochemical hydrogen production and capacitive applications	Physica b-condensed matter	0921-4526
4.	Badea G E, Hora C., Maior I., Cojocaru A., Secui D.C., Filip S M, Dan F C - Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22 (Nov 2022), factor de impact: 3,252, WOS:000887263700001	2025	1	Li, AP; Qiliang, Z; Yajun Mi, Rehman, Hafeez Ur, Shoaib, Muhammad, Cao, Xia, Wang, N	Triboelectric Nanogenerator Drives Electrochemical Water Splitting for Hydrogen Production: Fundamentals, Progress, and Challenges	SMALL	1613-6810
5.	Badea G E, Hora C., Maior I., Cojocaru A., Secui D.C., Filip S M, Dan F C - Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22 (Nov 2022), factor de impact: 3,252, WOS:000887263700001	2024	11	Abdullah, A; Tariq, F; Kulkarni, MA; Thaalbi, H; Din, HU; Kang, SH; Ryu, SW	High-efficiency electrocatalytic hydrogen generation under harsh acidic condition by commercially viable Pt nanocluster-decorated non-polar faceted GaN nanowires	International journal of hydrogen energy	0360-3199
6.	Badea G E, Hora C., Maior I., Cojocaru A., Secui D.C., Filip S M, Dan F C - Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22 (Nov 2022), factor de impact: 3,252, WOS:000887263700001	2025	2	Gupta, A; Likoazar, B; Jaidka, S	A review on photocatalytic seawater splitting with efficient and selective catalysts for hydrogen evolution reaction	Renewable & sustainable energy reviews	1364-0321
7.	Badea G E, Hora C., Maior I., Cojocaru A., Secui D.C., Filip S M, Dan F C - Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22 (Nov 2022), factor de impact: 3,252, WOS:000887263700001	2024	12	Bamba, JN; Dumlaio, AT; Lazaro, RM; Matienzo, DD; Ocon, J	Green hydrogen from seawater electrolysis: Recent developments and future perspectives	Current opinion in electrochemistry	2451-9103
8.	Badea G E, Hora C., Maior I., Cojocaru A., Secui D.C., Filip S M, Dan F C - Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22 (Nov 2022), factor de impact: 3,252, WOS:000887263700001	2024	10	Ishaq, T; Ehsan, Z; Qayyum, A; Abbas, Y; Irfan, A; Al-Hussain, SA; Irshad, MA; Zaki, MEA	Recent Strategies to Improve the Photocatalytic Efficiency of TiO2 for Enhanced Water Splitting to Produce Hydrogen	CATALYSTS	2073-4344
9.	Badea G E, Hora C., Maior I., Cojocaru A., Secui D.C., Filip S M, Dan F C - Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22 (Nov 2022), factor de impact: 3,252, WOS:000887263700001	2024	8	Dash, S; Singh, KA ; Jose, S; Wilson, DVH; Elangovan, D ; Surapraraju, SK; Natarajan, SK	Advances in green hydrogen production through alkaline water electrolysis: A comprehensive review	International journal of hydrogen energy	0360-3199
10.	Badea G E, Hora C., Maior I., Cojocaru A., Secui D.C., Filip S M, Dan F C - Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22 (Nov 2022), factor de impact: 3,252, WOS:000887263700001	2024	8	Jaradat, M; Almashaileh, S; Bendea, C; Juaidi, A Bendea, G; Bungau, T.	Green Hydrogen in Focus: A Review of Production Technologies, Policy Impact, and Market Developments	ENERGIES	1996-1073
11.	Badea G E, Hora C., Maior I., Cojocaru A., Secui D.C., Filip S M, Dan F C - Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22 (Nov 2022), factor de impact: 3,252, WOS:000887263700001	2024	7	Deng, PJ; Wang, YX; Liu, Y; Lu, JJ; Liang, HP	Heat-induced aliation and phosphating of nickel as efficient catalysts for hydrogen evolution in alkaline seawater	Materials today energy	2468-6069
12.	Badea G E, Hora C., Maior I., Cojocaru A., Secui D.C., Filip S M, Dan F C - Sustainable Hydrogen Production from Seawater Electrolysis: Through	2024	7	Turgut, HSA; Dincer, I	An innovative electrolytic cation exchange reactor system for cleaner generation of hydrogen gas using	Journal of cleaner production	0959-6526

	Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22 (Nov 2022), factor de impact: 3,252, WOS:000887263700001				ocean water		
13.	Badea G E, Hora C., Maior I., Cojocaru A., Secui D.C., Filip S M, Dan F C - Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22 (Nov 2022), factor de impact: 3,252, WOS:000887263700001	2024	6	Luo, YJ; Sun, JY; Li, Z	Rapid chemical recycling of waste polyester plastics catalyzed by recyclable catalyst	Green chemical engineering	2096-9147
14.	Badea G E, Hora C., Maior I., Cojocaru A., Secui D.C., Filip S M, Dan F C - Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22 (Nov 2022), factor de impact: 3,252, WOS:000887263700001	2024	5	Ionescu, GC; Ionescu, GL; Marin, L	Modern Theoretical and Practical Protection Methods of Metallic Structures Against the Effects of Corrosion	Journal of applied engineering sciences	2247-3769
15.	Badea G E, Hora C., Maior I., Cojocaru A., Secui D.C., Filip S M, Dan F C - Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22 (Nov 2022), factor de impact: 3,252, WOS:000887263700001	2024	3	Adisasmito, S; Khoiruddin, K; Sutrisna, PD; Wenten, IG; Siagian, UWR	Bipolar Membrane Seawater Splitting for Hydrogen Production: A Review	ACS OMEGA	2470-1343
16.	Badea G E, Hora C., Maior I., Cojocaru A., Secui D.C., Filip S M, Dan F C - Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22 (Nov 2022), factor de impact: 3,252, WOS:000887263700001	2024	3	Kasani, A; Maric, R; Bonville, L; Blizankov, S	Catalysts for Direct Seawater Electrolysis: Current Status and Future Prospectives	CHEMELECTROCHEM	2196-0216
17.	Badea G E, Hora C., Maior I., Cojocaru A., Secui D.C., Filip S M, Dan F C - Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22 (Nov 2022), factor de impact: 3,252, WOS:000887263700001	2024	9	Oancea, CD; Bostan, D	Some Considerations Regarding Obtaining Hydrogen by Electrolysis	IEEE	ISBN 979-8-3503-6938-0
18.	Hora C, Dan F C., Rancov N., Badea G E, Secui C - Main Trends and Research Directions in Hydrogen Generation Using Low Temperature Electrolysis: A Systematic Literature Review, Energies, Volume 15, Issue 16 (Aug 2022), factor de impact: 3,252, WOS:000846066500001	2024	10	Avalos-Marrón, E; Diaz-Torres, LA; Gomez-Solis, C; Torres-Castro, A; Rodríguez-Rojas, RA; García-Ramírez, P	Facile sol-gel synthesis of ZnAl ₂ O ₄ spinel nanoceramics for photocatalytic applications: H ₂ production and MB dye degradation	Journal of sol-gel science and technology	0928-0707
19.	Hora C, Dan F C., Rancov N., Badea G E, Secui C - Main Trends and Research Directions in Hydrogen Generation Using Low Temperature Electrolysis: A Systematic Literature Review, Energies, Volume 15, Issue 16 (Aug 2022), factor de impact: 3,252, WOS:000846066500001	2024	10	Pereira, J; Souza, R; Oliveira, J; Moita, A	Hydrogen Production, Transporting and Storage Processes-A Brief Review	Clean technologies	2571-8797
20.	Hora C, Dan F C., Rancov N., Badea G E, Secui C - Main Trends and Research Directions in Hydrogen Generation Using Low Temperature Electrolysis: A Systematic Literature Review, Energies, Volume 15, Issue 16 (Aug 2022), factor de impact: 3,252, WOS:000846066500001	2024	8	Jaradat, M; Almashaileh, S; Bendea, C; Juaidi, A Bendea, G; Bungau, T.	Green Hydrogen in Focus: A Review of Production Technologies, Policy Impact, and Market Developments	ENERGIES	1996-1073
21.	Hora C, Dan F C., Rancov N., Badea G E, Secui C - Main Trends and Research Directions in Hydrogen Generation Using Low Temperature Electrolysis: A Systematic Literature Review, Energies, Volume 15, Issue 16 (Aug 2022), factor de impact: 3,252, WOS:000846066500001	2024	5	Thabet, SM; Abdelhamid, HN; Ibrahim, SA; El-Bery, HM	Boosting photocatalytic water splitting of TiO ₂ using metal (Ru, Co, or Ni) co-catalysts for hydrogen generation	Scientific reports	2045-2322
22.	Hora C, Dan F C., Rancov N., Badea G E, Secui C - Main Trends and Research Directions in Hydrogen Generation Using Low Temperature Electrolysis: A Systematic Literature Review, Energies, Volume 15, Issue 16 (Aug 2022), factor de impact: 3,252, WOS:000846066500001	2024	5	Ionescu, GC; Ionescu, GL; Marin, L	Modern Theoretical and Practical Protection Methods of Metallic Structures Against the Effects of Corrosion	Journal of applied engineering sciences	2247-3769
23.	Hora, C., Dan, F.C., Bendea, G., Secui, D.C. - Residential Short-Term Load Forecasting During Atypical Consumption Behavior, ENERGIES, Volume 15, Issue 1 (January 2022), factor de impact: 3,252, WOS:000758594200001	2024	10	Uwimana, E; Zhou, YT	A Novel Two-Stage Hybrid Model Optimization with FS-FCRBM-GWDO for Accurate and Stable STLF	TECHNOLOGIES	2227-7080
24.	Hora, C., Dan, F.C., Bendea, G., Secui, D.C. - Residential Short-Term	2024	7	Henriques, L; Lima,	Combining Advanced Feature-Selection Methods to	FUTURE INTERNET	1999-5903

	Load Forecasting During Atypical Consumption Behavior, ENERGIES, Volume 15, Issue 1 (January 2022), factor de impact: 3,252, WOS:000758594200001			FP; Castro, C	Uncover Atypical Energy-Consumption Patterns		
25.	Hora, C., Dan, F.C., Bendea, G., Secui, D.C. - Residential Short-Term Load Forecasting During Atypical Consumption Behavior, ENERGIES, Volume 15, Issue 1 (January 2022), factor de impact: 3,252, WOS:000758594200001	2024	1	Dong, YL; Yan, CS; Shao, Y	The electricity demand forecasting in the UK under the impact of the COVID-19 pandemic	ELECTRICAL ENGINEERING	0948-7921
26.	Jaradat, M (Jaradat, Mustafa), Almashaileh, S , Bendea, C., Bendea, G. , Green Hydrogen in Focus: A Review of Production Technologies, Policy Impact, and Market Developments, ENERGIES, Volume17, Issue16, 1996-1073, DOI10.3390/en17163992,	2025	3	Du, AM; Li, H; Yan, Z; Han, YY; Wu, XD	Review on the controversies surrounding hydrogen together with its leakage and escape throughout the full lifecycle	Sustainable Energy & Fuels http://dx.doi.org/10.1039/d4se01554a	2398-4902
27.	Jaradat, M (Jaradat, Mustafa), Almashaileh, S , Bendea, C., Bendea, G. , Green Hydrogen in Focus: A Review of Production Technologies, Policy Impact, and Market Developments, ENERGIES, Volume17, Issue16, 1996-1073, DOI10.3390/en17163992,	2025	1	Paudel, A; Choi, JK	Techno-economic pathway for green hydrogen adoption in thermal applications across US small and medium manufacturing sectors	International Journal Of Hydrogen Energy http://dx.doi.org/10.1016/j.ijhydene.2024.12.069	0360-3199
28.	Jaradat, M (Jaradat, Mustafa), Almashaileh, S , Bendea, C., Bendea, G. , Green Hydrogen in Focus: A Review of Production Technologies, Policy Impact, and Market Developments, ENERGIES, Volume17, Issue16, 1996-1073, DOI10.3390/en17163992,	2024	12	Simoes, JCT; Vaz, S Jr	Industrial symbiosis concept applied to green hydrogen production: a critical review based on bibliometric analysis	Discover Sustainability http://dx.doi.org/10.1007/s43621-024-00780-8	2662-9984
29.	Sorin Nădăban, Simona Dziţac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2024	12	Althaqafi, Torky	Supply Chain Risk Analysis through the Computational Method	International Journal of Fuzzy Logic and Intelligent Systems	1598-2645
30.	Sorin Nădăban, Simona Dziţac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2024	12	Alamoodi, AH, Al-Samarraay, MS, Albahri, OS, Deveci, M Albahri, AS, Yussof, S	Evaluation of energy economic optimization models using multi-criteria decision-making approach	Expert Systems with Applications	0957-4174
31.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2024	12	H Sharifzadeh	A reliable deterministic method for multi-area economic dispatch considering power losses, , https://doi.org/10.1016/j.egy.2024.08.043	Energy Reports, Vol. 12, Pages 2720-2731	2352-4847
32.	Sorin Nădăban, Simona Dziţac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2024	11	Talal, M ,Tan, MLP, Pamucar, D, Delen, D, Pedrycz, W, Simic, V	Evaluation and benchmarking of research-based microgrid systems using FWZIC-VIKOR approach for sustainable energy management	Applied Soft Computing	1568-4946
33.	Endrowednes Kuantama, Tiberiu Vesselenyi, Simona Dziţac, Radu Țarcă, PID and Fuzzy-PID Control Model for Quadcopter Attitude with Disturbance Parameter, International Journal Of Computers Communications & Control, ISSN 1841-9836, 12(4), pp 519-532, August 2017	2024	11	Liu, C, Qiu, XX, Xu, T, Wei, W, Sun, HM, Hou, YH	A Linear Quadratic Regulation Controller Based on Radial Basis Function Network Approximation	Electronics	2079-9292
34.	Ovidiu Moldovan, Simona Dziţac, Ioan Moga, Tiberiu Vesselenyi, Ioan Dziţac, Tool wear analysis using image processing of the tool flank, Special Issue "Civil Engineering and Symmetry" / Symmetry-Basel, 2017, Vol 9 (Issue12), 296; doi:10.3390/sym9120296, ISSN 2073-8994; CODEN: SYMMAM	2024	11	Bernini, L; Albertelli, P, Monno, M	Hybrid heterogeneous prognosis of drill-bit lives through model-based spindle power analysis and direct tool inspection	International Journal of Advanced Manufacturing Technology	0268-3768
35.	Simo A, Dzitac S, Dzitac I, Frigura-Iliasa M, Frigura-Iliasa FM, Air quality assessment system based on self-driven drone and LoRaWAN network, Computer Communications, 2021,Vol.175, Pag. 13-24, Doi:10.1016/j.comcom.2021.04.032	2024	11	Zhao, HK, Kam, KA, Kymissis, I, Mailloux, BJ, Culligan, PJ	A LoRaWAN-based environmental sensing network for urban green space monitoring with demonstrated application for stormwater management	Sustainable Cities and Society	2210-6707
36.	Alina Badulescu, Daniel Badulescu, Ramona Simut, Simona Dzitac, Tourism – Economic Growth Nexus. The Case of Romania, Technological and Economic Development of Economy ISSN: 2029-4913 / eISSN: 2029-4921 2020 Volume 26 Issue 4: 867–884 https://doi.org/10.3846/tede.2020.12532	2024	11	Siddik, A; Forid, MS; Yong, L; Du, AM; Goodell, JW	Artificial intelligence as a catalyst for sustainable tourism growth and economic cycles	Technological Forecasting and Social Change	0040-1625
37.	Alina Badulescu, Daniel Badulescu, Ramona Simut, Simona Dzitac,	2024	11	Singh, D ; Alam, Q	Is tourism expansion the key to economic growth in	Annals of Tourism Research	2666-9579

	Tourism – Economic Growth Nexus. The Case of Romania, Technological and Economic Development of Economy ISSN: 2029-4913 / eISSN: 2029-4921 2020 Volume 26 Issue 4: 867–884 https://doi.org/10.3846/tede.2020.12532				India? An aggregate-level time series analysis	Empirical Insights	
38.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2024	11	AL-Gburi AFJ, Nazri MZA, Yaakub MRB, Alyasseri, ZAA	A systematic review of symbiotic organisms search algorithm for data clustering and predictive analysis, DOI10.1515/jisys-2023-0267	Journal of intelligent systems, Vol. 33(1): 20230267	0334-1860
39.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2024	11	Fahim KE, De Silva LC, Andiappan V, Shezan SA, Yassin H	A Novel Hybrid Algorithm for Solving Economic Load Dispatch in Power Systems, DOI:10.1155/2024/8420107	, International Journal of Energy Research, Vol. 2024, Article ID 8420107	0363-907X
40.	Secui DC. A Method Based On The Ant Colony Optimization Algorithm For Dynamic Economic Dispatch With Valve-Point Effects, Trans. El. Ener. Sys. Vol. 25, Issue:2, Pages: 262-287, Published: Feb 2015	2024	11	M Zare, S Farhang, MA Akbari, R Azizipanah-Abarghooee, P Trojovský	Optimizing Reserve-Constrained Economic Dispatch: Cheetah Optimizer With Constraint Handling Method In Static/Dynamic/Single/ Multi-Area Systems, DOI:10.1016/J.Energy.2024.133681	Energy	0360-5442
41.	Secui DC, Hora C, Bendea C, Secui M, Bendea G, Dan F, Modified Social Group Optimization to Solve the Problem of Economic Emission Dispatch with the Incorporation of Wind Power, Sustainability 16(1):397, Jan. 2024	2024	11	A Heydari, R Ebrahimi, M Ghanbari	Eco-environmental dispatch of power system with high penetration wind farms considering demand/source side uncertainties, , https://doi.org/10.1016/j.eprs.2024.110925 ,	Electric Power Systems Research, Vol. 236, 110925	0378-7796
42.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2024	10	Kumar, V, Kumar, R, Goel, R, Singh, T, Kaur, MJ	The evolution of digital marketing technologies: a fuzzy TOPSIS approach to selected technology in E-commerce platform	International Journal of System Assurance Engineering and Management	0975-6809
43.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2024	10	Delcea, C, Nica, I, Georgescu, I, Chirita, N, Ciurea, C	Integrating Fuzzy MCDM Methods and ARDL Approach for Circular Economy Strategy Analysis in Romania	Mathematics	2227-7390
44.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2024	10	F Wang, S Bi, S Feng, H Zhang, C Guo	Combined economic and emission power dispatch problems through multi-objective Honey Badger optimizer, Cluster Computing, DOI10.1007/s10586-024-04345-2,	The Journal Of Networks Software Tools And Applications, 27(7), pp.987-9915	1386-7857
45.	Jaradat, M (Jaradat, Mustafa), Almashaileh, S , Bendea, C., Bendea, G. , Green Hydrogen in Focus: A Review of Production Technologies, Policy Impact, and Market Developments, ENERGIES, Volume17, Issue16, 1996-1073, DOI10.3390/en17163992,	2024	9	Cavalcanti, MHC; Pappalardo, JR; Barbosa, LT; Brasileiro, PPF; Roque, BAC; Silva, NMP; da Silva, MF; Converti, A; Barbosa, CMBD; Sarubbo, LA	Hydrogen in Burners: Economic and Environmental Implications	PROCESSES http://dx.doi.org/10.3390/pr12112434	2227-9717
46.	Felea, Ioan; Dzitac Simona; Vesselenyi, Tiberiu; Dzitac Ioan, Decision Support Model for Production Disturbance Estimation, International Journal of Information Technology & Decision Making, Volume: 13, Issue: 3, Pages: 623-647, Published: may 2014	2024	9	Gao, L, Zha, J, Feng, ZY, Liu, S, Wu, S, Zhu, ZY	Flexible job shop rescheduling scheme selection using improved topsis	International Journal of Simulation Modelling	1726-4529
47.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2024	9	M Asif, A Amin, U Jamil, A Mahmood, U Ahmed, S Razzaq, FP Mahdi	Combined emission economic dispatch using quantum-inspired particle swarm optimization and its variants, , DOI10.1177/01445987241235419,	Energy Exploration & Exploitation, 42(5), pp.1602-1644	0144-5987
48.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2024	9	W Hao, J-S Wang, X-D Li, Y Liu, J-H Zhu, M Zhang, M Wang	Multi-objective arithmetic optimization algorithm with random searching strategies to solve combined economic emission dispatch problem, https://doi.org/10.1016/j.cie.2024.110434	Computers & Industrial Engineering, Vol. 195, 110434	0360-8352
49.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2024	8	Raval, P, Sarkar, D	Evaluation and optimization of key performance indicators affecting adoption of the building information modeling and blockchain technology in Indian construction sector through fuzzy TOPSIS and genetic algorithm	International Journal of Construction Management	1562-3599
50.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th	2024	8	Choi, W , Na, J, Lee, S	Evaluating Intelligent CPTED Systems to Support Crime Prevention Decision-Making in Municipal	Applied Sciences-Basel	2076-3417

	International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI				Control Centers		
51.	Simo A, Dzitac S, Dzitac I, Frigura-Iliasa M, Frigura-Iliasa FM, Air quality assessment system based on self-driven drone and LoRaWAN network, Computer Communications, 2021, Vol.175, Pag. 13-24, Doi:10.1016/j.comcom.2021.04.032	2024	8	Bakirci, Murat	Enhancing air pollution mapping with autonomous UAV networks for extended coverage and consistency	Atmospheric Research	0169-8095
52.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2024	8	Y Wang, G Xiong, S Xu, PN Suganthan	Large-scale power system multi-area economic dispatch considering valve point effects with comprehensive learning differential evolution, , https://doi.org/10.1016/j.swevo.2024.101620 ,	Swarm and Evolutionary Computation, Vol. 89, 101620	2210-6502
53.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2024	8	H Liang, C Lin, A Pang	Surrogate-Based Constraint-Handling Technique for Multi-Area Combined Economic/Emission Dispatch Problems Within Bi-Level Programming Framework, , DOI: 10.1109/TETCI.2024.3442851	IEEE Transactions on Emerging Topics in Computational Intelligence	2471-285X
54.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2024	8	Xu Chen, Qi Lu, Ye Yuan, Kaixun He	A novel derivative search political optimization algorithm for multi-area economic dispatch incorporating renewable energy, , DOI:10.1016/j.energy.2024.131510	Energy, 300, 131510	0360-5442
55.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2024	8	H Sharifzadeh	An extended incremental technique for solving economic dispatch with practical considerations, DOI:10.1016/j.ejpe.2024.110455	Electric Power Systems Research, Vol. 233, 110455,	0378-7796
56.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2024	8	Y Wang, G Xiong, S Xu, PN Suganthan	Large-scale power system multi-area economic dispatch considering valve point effects with comprehensive learning differential evolution, https://doi.org/10.1016/j.swevo.2024.101620	Swarm and Evolutionary Computation, Vol. 89, 101620	2210-6502
57.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2024	8	S Muraleedharan, CA Babu, AK Sasidharanpillai	Chi-square mutated quantum-behaved PSO algorithm for combined economic and emission dispatch, DOI: 10.1007/s12065-024-00966-z	Evolutionary Intelligence, 17(5-6), pp.3961-3984,	1864-5909
58.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2024	8	H Sharifzadeh	An extended incremental technique for solving economic dispatch with practical considerations, , DOI 10.1016/j.ejpe.2024.110455	Electric Power Systems Research, Vol. 233, 110455	0378-7796
59.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2024	8	A Ali, S Aslam, S Mirsaeidi, NH Mugheri, RH Memon, G Abbas	Multi-objective multiperiod stable environmental economic power dispatch considering probabilistic wind and solar PV generation, , https://doi.org/10.1049/tpg2.13077	IET Renewable Power Generation	1752-1416
60.	Secui DC, Hora C, Bendea C, Secui M, Bendea G, Dan F, Modified Social Group Optimization to Solve the Problem of Economic Emission Dispatch with the Incorporation of Wind Power, Sustainability 16(1):397, Jan. 2024	2024	8	H Sharifzadeh	An extended incremental technique for solving economic dispatch with practical considerations, https://1710qu8tl-y-https-www-webofscience-com.z-e-information.ro/wos/woscc/full-record/WOS:001240711400001	Electric Power Systems Research, Vol. 233, 110455	0378-7796
61.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2024	7	Roushan, A, Das, A, Dutta, A, Senapati, T, Bera, UK	Multi-objective supply chain model with multiple levels of transit and vulnerable zone detection implementing hexagonal defuzzification: A case study of 2022 Assam flood	Engineering Applications of Artificial Intelligence	0952-1976
62.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2024	7	Spea SR	Optimizing economic dispatch problems in power systems using manta ray foraging algorithm: an oppositional-based approach, DOI: 10.1016/j.compeleceng.2024.109279	Computers and Electrical Engineering, Vol. 117, 109279	0045-7906
63.	Secui DC, Hora C, Bendea C, Secui M, Bendea G, Dan F, Modified Social Group Optimization to Solve the Problem of Economic Emission Dispatch with the Incorporation of Wind Power, Sustainability 16(1):397, Jan. 2024	2024	7	Spea SR	Optimizing economic dispatch problems in power systems using manta ray foraging algorithm: an oppositional-based approach, https://1710qu8tl-y-https-www-webofscience-com.z-e-information.ro/wos/woscc/full-record/WOS:001240319600001	Computers and Electrical Engineering, Vol. 117, 109279,	0045-7906

64.	Sorin Nădăban, Simona Dzițac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2024	6	Masmali, I, Ahmad, A, Azeem, M, Koam, ANA	TOPSIS Method Based on Intuitionistic Fuzzy Soft Set and Its Application to Diagnosis of Ovarian Cancer	International Journal of Computational Intelligence Systems	1875-6891
65.	Sorin Nădăban, Simona Dzițac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2024	6	Pawaree, N, Phokha, S Phukapak, C	Multi-response optimization of charcoal briquettes process for green economy using a novel TOPSIS linear programming and genetic algorithms based on response surface methodology	Results in Engineering	2590-1230
66.	Endrowednes Kuantama, Tiberiu Vesselenyi, Simona Dzițac, Radu Țarcă, PID and Fuzzy-PID Control Model for Quadcopter Attitude with Disturbance Parameter, International Journal Of Computers Communications & Control, ISSN 1841-9836, 12(4), pp 519-532, August 2017	2024	6	Dehkordi, MD; Danesh, M	Fuzzy control allocation of a positionable rotor quadrotor based on log-barrier optimization and propulsion system fault toleration	IET Control Theory and Applications	1751-8644
67.	Georgia Irina Oros, Simona Dzitac, Applications of Subordination Chains and Fractional Integral in Fuzzy Differential Subordinations, Mathematics 2022, 10(10), 1690; https://doi.org/10.3390/math10101690	2024	6	Ali, EE, Vivas-Cortez, M, El-Ashwah, RM; Albalahi, AM	Fuzzy Subordination Results for Meromorphic Functions Connected with a Linear Operator	Fractal and Fractional	2504-3110
68.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2024	6	Pawani K, Singh M	Implementation of oppositional slime mould algorithm in power dispatch problem. Implementation of oppositional slime mould algorithm in power dispatch problem, DOI: 10.1504/IJCSM.2024.139924	International Journal of Computing Science and Mathematics, 20(1)	1752-5055
69.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2024	6	G Ma, M Liu, Z Wang, Y Zhao, C Wang, J Yan	Energy saving and flexibility analysis of combined heat and power systems integrating heat-power decoupling technologies in renewable energy accommodation, , DOI: 10.1016/j.enconman.2024.118487	Energy Conversion and Management, Vol. 310, 15, 118487	0196-8904
70.	Secui DC, Hora C, Bendea G, Bendea C, Parameter estimation using a modified whale optimization algorithm for input-output curves of thermal and hydro power plants, International Transactions on Electrical Energy Systems, Vol: 30, Issue: 2, Article Number: e12188, Published: FEB 2020	2024	6	Khalid M, Ahmed I, AlMuhaini M, Savkin AV	A novel computational paradigm for scheduling of hybrid energy networks considering renewable uncertainty limitations, DOI10.1016/j.egy.2024.01.047	Energy Reports, Vol. 11: 1959-1978	2352-4847
71.	Endrowednes Kuantama, Tiberiu Vesselenyi, Simona Dzițac, Radu Țarcă, PID and Fuzzy-PID Control Model for Quadcopter Attitude with Disturbance Parameter, International Journal Of Computers Communications & Control, ISSN 1841-9836, 12(4), pp 519-532, August 2017	2024	5	Bhar, A; Sayadi, M	On designing a configurable UAV autopilot for unmanned quadrotors	Frontiers in Neurorobotics	1662-5218
72.	Secui DC, Hora C, Bendea G, Bendea C, Parameter estimation using a modified whale optimization algorithm for input-output curves of thermal and hydro power plants, International Transactions on Electrical Energy Systems, Vol: 30, Issue: 2, Article Number: e12188, Published: FEB 2020	2024	5	I Ahmed, M Rehan, A Basit, SH Malik, W Ahmed, K-S Hong	Adaptive Salp Swarm Algorithm For Sustainable Economic And Environmental Dispatch Under Renewable Energy Sources, DOI 10.1016/j.renene.2024.119944,	Renewable Energy, 223,	0960-1481
73.	Simo A, Dzitac S, Dzitac I, Frigura-Iliasa M, Frigura-Iliasa FM, Air quality assessment system based on self-driven drone and LoRaWAN network, Computer Communications, 2021, Vol.175, Pag. 13-24, Doi:10.1016/j.comcom.2021.04.032	2024	4	Lioliopoulos, P, Oikonomou, P, Boulougaris, G; Kolomvatsos, K	Integrated Portable and Stationary Health Impact-Monitoring System for Firefighters	Sensors	1424-8220
74.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2024	4	Z Ma, DP Pu, H Liang	Financing net-zero energy integration in smart cities with green bonds and public-private partnerships, , DOI10.1016/j.seta.2024.103708,	Sustainable Energy Technologies and Assessments, 103708	2213-1388
75.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2024	4	H Wang, Y Xu , Z Yi, J Xu, Y Xie, Z Li	A Review on Economic Dispatch of Power System Considering Atmospheric Pollutant Emissions, DOI10.3390/en17081878	Energies 17(8):1878	1996-1073
76.	Ovidiu Moldovan, Simona Dzițac, Ioan Moga, Tiberiu Vesselenyi, Ioan Dzițac, Tool wear analysis using image processing of the tool flank, Special Issue "Civil Engineering and Symmetry" / Symmetry-Basel, 2017, Vol 9 (Issue12), 296; doi:10.3390/sym9120296, ISSN 2073-8994; CODEN: SYMMAM	2024	3	Bernini, L, Malguzzi, U; Albertelli, P, Monno M	Hybrid prognostics to estimate cutting inserts remaining useful life based on direct wear observation	Mechanical Systems And Signal Processing	0888-3270
77.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15	2024	3	Y Sharifian, H Abdi	Multi-area economic dispatch problem: Methods, uncertainties, and future directions, ,	Renewable and Sustainable Energy Reviews, Vol. 191,	1364-0321

	December 2015, Pages 2518-2545, ISSN: 0360-5442				DOI10.1016/j.rser.2023.114093,	114093	
78.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2024	3	K Pawani, M Singh	Investigation on the effect of wavelet mutation and opposition learning on Slime Mould Algorithm, DOI10.1088/2631-8695/ad1a5e	Engineering Research Express, 6(1),	2631-8695
79.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2024	3	M Said, EH Houssein, EA Aldakheel, DS Khafaga, AAK Ismaeel	85., Performance of the Walrus Optimizer for solving an economic load dispatch problem, DOI10.3934/math.2024494,	AIMS Mathematics, 9(4):10095-10120	2473-6988
80.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2024	3	Y Sharifian, H Abdi	Multi-Area Economic Dispatch Problem: Methods, Uncertainties, And Future Directions, DOI10.1016/j.rser.2023.114093	Renewable and Sustainable Energy Reviews, Vol. 191, 114093	1364-0321
81.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2024	3	X Lu, M Luan, Y Wan, J Cao	Distributed fixed-time economic dispatch over directed graphs: An event-triggered approach, DOI: 10.1002/asjc.3287	Asian Journal of Control, 26(3), pp. 1614-1624,	1561-8625
82.	Secui DC, Hora C, Bendea C, Secui M, Bendea G, Dan F, Modified Social Group Optimization to Solve the Problem of Economic Emission Dispatch with the Incorporation of Wind Power, Sustainability 16(1):397, Jan. 2024	2024	3	C Bungau, A Badulescu, D Ilies, D Tit	Advances in Sustainability Research from the University of Oradea, https://1710qu8tl-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001201669400001#:~:text=DOI,10.3390/su16072712	Sustainability, 16:2712	2071-1050
83.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2024	2	Chitiva-Enciso, WA, Pérez-Domínguez, LA, Romero-López, R, Luviano-Cruz, D, Pérez-Olguín, IJC, Méndez-González, LC	Lean Manufacturing Assessment: Dimensional Analysis with Hesitant Fuzzy Linguistic Term Sets	Applied Sciences-Basel	2076-3417
84.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2024	2	Kursunoglu, N	Fuzzy multi-criteria decision-making framework for controlling methane explosions in coal mines	Environmental Science and Pollution Research	0944-1344
85.	Georgia Irina Oros, Simona Dzitac, Applications of Subordination Chains and Fractional Integral in Fuzzy Differential Subordinations, Mathematics 2022, 10(10), 1690; https://doi.org/10.3390/math10101690	2024	2	Ali, EE, Vivas-Cortez, M, El-Ashwah, RM	New results about fuzzy γ -convex functions connected with the q-analogue multiplier-Noor integral operator	Aims Mathematics	2473-6988
86.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2024	2	MH Hassan, S Kamel, F Jurado, U Desideri	Global optimization of economic load dispatch in large scale power systems using an enhanced social network search algorithm, , DOI10.1016/j.ijepes.2023.109719,	International Journal of Electrical Power and Energy Systems, Vol. 156, 109719	0142-0615
87.	Secui DC; Bendea G; Dzitac S et al., A Modified Harmony Search Algorithm For The Economic Dispatch Problem, , Studies In Informatics And Control, Volume: 23, Issue: 2, Pages: 143-152, Published: Jun 2014	2024	1	Visutarom T, Ching TC	Economic dispatch using metaheuristics: Algorithms, problems, and solutions, DOI10.1016/j.asoc.2023.110891	Applied Soft Computing, vol. 150, no. 110891,	1568-4946
88.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2024	1	AAK Ismaeel, EH Houssein, DS Khafaga, EA Aldakheel, AS Abdelrazek, M Said	Performance of Snow Ablation Optimization for Solving Optimum Allocation of Generator Units, , DOI10.1109/ACCESS.2024.3357489	IEEE Access, PP(99):1-1	2169-3536
89.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2024	1	M Nasir, A Sadollah, S Mirjalili, SA Mansouri, M Safaraliev, AR Jordehi	A Comprehensive Review on Applications of Grey Wolf Optimizer in Energy Systems, 10.1007/s11831-024-10214-3	Archives of Computational Methods in Engineering	1134-3060
90.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2024	1	C Xiong, L Xu, L Ma, P Hu, Z Ye, J Sun	Research on large-scale clean energy optimal scheduling method based on multi-source data-driven, Frontiers in Energy Research, Vol., DOI 10.3389/fenrg.2023.1230818	Frontiers in Energy Research Vol. 11, No. 1230818	2296-598X
91.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2024	1	Visutarom T, Ching TC	Economic dispatch using metaheuristics: Algorithms, problems, and solutions, Jan 2024, DOI: 10.1016/j.asoc.2023.110891	Applied Soft Computing, vol. 150, no. 110891,	1568-4946
92.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2023	12	Beheshtinia, MA; Kahoo, SJ; Fathi, M	Prioritizing healthcare waste disposal methods considering environmental health using an enhanced multi-criteria decision-making method	Environmental pollutants and bioavailability	2639-5932
93.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General	2023	12	Yadav, AK; Singh, K	ECCANS: Enhanced CRITIC-based Context-Aware	Sustainable energy	2213-1388

	View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI			;Ahmadian, A	Network Selection algorithm for 5G HetNet	technologies and assessments	
94.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2023	12	SDS Garmroodi, G Kayakutlu, O Kayalica, U Colak	Improved Pelican optimization algorithm for solving load dispatch problems	Energy, 129811	0360-5442
95.	DC Secui, N Rancov, Hybrid Sine–Cosine Algorithm with Flower Pollination Algorithm for Economic Dispatch Problem with Valve-Point Effects and Wind Power Integration, Arabian Journal for Science and Engineering, 2022	2023	12	Hamid B, Hussain I, Iqbal SJ	Revamped System Performance of Grid-Interactive Hybrid DFIG-PV System Using WSO Based Dual Layer MRFKMP Adaptive Control	Renewable Energy Focus, Vol. 47, No. 100488	1755-0084
96.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2023	11	Cilali, B; Rocco, CM and Barker, K	Multi-objective decision trees with fuzzy TOPSIS: Application to refugee resettlement planning	Journal of multi-criteria decision analysis	1057-9214
97.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2023	11	W Yang, X Zhu, Q Xiao, Z Yang	Enhanced Multi-Objective Marine Predator Algorithm for Dynamic Economic-Grid Fluctuation Dispatch with Plug-In Electric Vehicles	Energy, Vol. 282, No. 128901	0360-5442
98.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2023	11	W Yang, X Zhu, Q Xiao, Z Yang	Enhanced Multi-Objective Marine Predator Algorithm for Dynamic Economic-Grid Fluctuation Dispatch with Plug-In Electric Vehicles	Energy, Vol. 282, No. 128901	0360-5442
99.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2023	11	T Visutarron, T-C Chiang	Economic dispatch using metaheuristics: algorithms, problems, and solutions	Applied Soft Computing, 110891	1568-4946
100.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2023	10	Ihsan, M; Saeed, M and Rahman, AU	An intuitionistic fuzzy hypersoft expert set-based robust decision-support framework for human resource management integrated with modified TOPSIS and correlation coefficient	Neural Computing & Applications	0941-0643
101.	Turskis Z; Dzitac, S; Stankiuvienė, A; Sukys, R/ A Fuzzy Group Decision-making Model for Determining the Most Influential Persons in the Sustainable Prevention of Accidents in the Construction SMEs/ International Journal of Computers Communications & Control/1841-9836, 2019/02/14(1):90-106	2023	10	Bouraima, MB; Gore, A; Qiu, YJ	Assessing of causes of accidents based on a novel integrated interval-valued Fermatean fuzzy methodology: towards a sustainable construction site	Neural computing & applications	0941-0643
102.	Simo A, Dzitac S, Dzitac I, Frigura-Iliasa M, Frigura-Iliasa FM, Air quality assessment system based on self-driven drone and LoRaWAN network, Computer Communications, 2021, Vol.175, Pag. 13-24, Doi:10.1016/j.comcom.2021.04.032, factor impact: 6, ISI	2023	10	Bonilla, V; Campoverde, B and Yoo, SG	A Systematic Literature Review of LoRaWAN: Sensors and Applications	Sensors	1424-8220
103.	Simo A, Dzitac S, Dzitac I, Frigura-Iliasa M, Frigura-Iliasa FM, Air quality assessment system based on self-driven drone and LoRaWAN network, Computer Communications, 2021, Vol.175, Pag. 13-24, Doi:10.1016/j.comcom.2021.04.032, factor impact: 6, ISI	2023	10	Fadhil, MJ; Gharghan, SK and Saeed, TR	Air pollution forecasting based on wireless communications: review	Environmental Monitoring and Assessment	0167-6369
104.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2023	10	Al AK Ismaeel, EH Houssein, DS Khafaga, EA Aldakheel, AS AbdElrazek, M Said	Performance of Osprey Optimization Algorithm for Solving Economic Load Dispatch Problem	Mathematics, 11(19):4107	2227-7390
105.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2023	10	W Xu, X Yu	A multi-objective multi-verse optimizer algorithm to solve environmental and economic dispatch	Applied Soft Computing, Vol. 146, 110650,	1568-4946
106.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2023	10	Y Zhang, B Pang, Y Song, Q Xu, X Yuan	Artificial bee colony algorithm based on dimensional memory mechanism and adaptive elite population for training artificial neural networks	IEEE Access, 11, pp.107616-107637	2169-3536
107.	Hora C, Dan FC, Rancov N, Badea GE, Secui C, Main Trends and Research Directions in Hydrogen Generation Using Low Temperature Electrolysis: A Systematic Literature Review, Aug 2022, Energies, 15(16)	2023	10	S Aslam, S Rani, K Lal, M Fatima, T Hardwick, B Shirinfar, N Ahmed	Electrochemical Hydrogen Production: Sustainable Hydrogen Economy	Green Chem	1463-9270
108.	Badea GE, Hora C, Maior I, Cojocaru A, Secui C, Filip SM, Dan FC, Sustainable Hydrogen Production from Seawater Electrolysis: Through	2023	10	Y Luo, S Wu, P Wang, H Ranganathan, Z Shi	Interface engineering of Ni2P/MoOx decorated NiFeP nanosheets for enhanced alkaline hydrogen evolution	Journal of Colloid and Interface Science, 648	0021-9797

	Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22, Nov. 2022				reaction at high current densities		
109.	Badea GE, Hora C, Maior I, Cojocaru A, Secui C, Filip SM, Dan FC, Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22, Nov. 2022	2023	10	N Wang, X Wang, Y Shan, J Liu, J Zhang, K Chen, X Yu	Ce-doped NiFe layered double hydroxide coated NiMoO _x S 4– x compounds: an efficient OER catalyst in alkaline solution	Reaction Chemistry & Engineering, 8(11), pp. 2746-2756	2058-9883
110.	Bungău CC, Hanga Prada FI, Bungău T, Bungău C, Bendea G, Prada MF, Web of science scientometrics on the energy efficiency of buildings to support sustainable construction policies, Sustainability, Volume 15, Issue 11 (May 2023), ISSN 2071-1050	2023	9	Zhang, J.X.; Asutosh, A.T.	A Sustainability Analysis Based on the LCA-Emergy-Carbon Emission Approach in the Building System	Applied Sciences - Basel	2076-3417
111.	Sorin Nădăban, Simona Dziţac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2023	9	Al-Samarraay M; Al-Zuhairi O; Alamoodi AH; Albahri OS; Deveci M; Alobaidi OR; Albahri AS; Kou, G	An integrated fuzzy multi-measurement decision-making model for selecting optimization techniques of semiconductor materials	Expert Systems with Applications	0957-4174
112.	Simo A, Dzitac S, Dzitac I, Frigura-Iliasa M, Frigura-Iliasa FM, Air quality assessment system based on self-driven drone and LoRaWAN network, Computer Communications, 2021, Vol.175, Pag. 13-24, Doi:10.1016/j.comcom.2021.04.032, factor impact: 6, ISI	2023	9	Caratù, M; Pigliautile, I; Fabiani, C	A perspective on managing cities and citizens' well-being through smart sensing data	Environmental Science & Policy	1462-9011
113.	Badea GE, Hora C, Maior I, Cojocaru A, Secui C, Filip SM, Dan FC, Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22, Nov. 2022	2023	9	NDB Alias, YI Go	Decommissioning Platforms to Offshore Solar system: Road to Green Hydrogen Production from Seawater	Renewable Energy Focus, 46, pp.136-155	1755-0084
114.	Badea GE, Hora C, Maior I, Cojocaru A, Secui C, Filip SM, Dan FC, Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22, Nov. 2022	2023	9	M Gopinath, R Marimuthu	Comparative study of hydrogen production from seawater and groundwater using PV–TEG	Clean Technologies and Environmental Policy, 25(7), pp. 2451-2466	1618-954X
115.	Badea GE, Hora C, Maior I, Cojocaru A, Secui C, Filip SM, Dan FC, Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22, Nov. 2022	2023	9	K Perović, S Morović, A Jukić, K Košutić	Alternative to Conventional Solutions in the Development of Membranes and Hydrogen Evolution Electrocatalysts for Application in Proton Exchange Membrane: A Review	Materials, 16(8)	1996-1944
116.	DC Secui, N Rancov, Hybrid Sine–Cosine Algorithm with Flower Pollination Algorithm for Economic Dispatch Problem with Valve-Point Effects and Wind Power Integration, Arabian Journal for Science and Engineering, 2022	2023	9	Zhang QW, Liu YY	Social learning-integrated flower pollination algorithm for influence maximization	International Journal of Modern Physics C, No. articol 2450030	0129-1831
117.	FELEA I, SECUI C, CIOBANCA A, GOIA E, Study on Operational Reliability of Steam Boilers from Oradea CHP Plant. In Computational science and engineering; Recent advances in intelligent control, modelling and computational science; (CSE '13), (ICMS '13); Vol 7, pp. 59-63, by WSEAS Press, [Greece]; 2013	2023	8	M Rezaei, M Sameti, F Nasiri	An enviro-economic RAM-based optimization of biomass-driven combined heat and power generation	Biomass Conversion and Biorefiner	2190-6815
118.	Sorin Nădăban, Simona Dziţac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2023	7	Ahmed, MA; Al-Qaysi, ZT; Alotaibi, FS	Intelligent Decision-Making Framework for Evaluating and Benchmarking Hybridized Multi-Deep Transfer Learning Models: Managing COVID-19 and Beyond	International Journal Of Information Technology & Decision Making	0219-6220
119.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2023	7	M. Basu	multi-county combined heat and power dynamic economic emission dispatch incorporating electric vehicle parking lot	Energy, Vol. 275, Article No. 127523	0360-5442
120.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2023	7	M. Basu	Multi-county combined heat and power dynamic economic emission dispatch incorporating electric vehicle parking lot	Energy, Vol. 275, No. 127523	0360-5442
121.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2023	7	H Lotfi, MH Nikkha	Presenting a Novel Evolutionary Method for Reserve Constrained Multi-Area Economic/Emission Dispatch Problem	Sustainability, 15(13), 10614	2071-1050
122.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol.	2023	7	T Zhou, J Chen, X Xu, Z Ou, H Yin, J Luo, A Meng	A novel multi-agent based crisscross algorithm with hybrid neighboring topology for combined heat and	Applied Energy, Vol. 342, 15, 121167	0306-2619

	89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904				power economic dispatch		
123.	Badea GE, Hora C, Maior I, Cojocaru A, Secui C, Filip SM, Dan FC, Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22, Nov. 2022	2023	7	Y Luo, JY Sun, Z Li	Rapid chemical recycling of waste polyester plastics catalyzed by recyclable catalyst	Green Chemical Engineering	2666-9528
124.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2023	6	Hasková, S; Vochozka, M and Kucera, J	A fuzzy evaluation model of manufacturing machinery in terms of sustainable business	Entrepreneurship and sustainability issues	2345-0282
125.	Simo A, Dzitac S, Dzitac I, Frigura-Iliasa M, Frigura-Iliasa FM, Air quality assessment system based on self-driven drone and LoRaWAN network, Computer Communications, 2021, Vol.175, Pag. 13-24, Doi:10.1016/j.comcom.2021.04.032, factor impact: 6, ISI	2023	6	Alrammah, IA and AlShareef, MR	A digitalized framework for responding to radiological accidents in a public major event	Journal Of Radiation Research And Applied Sciences	1687-8507
126.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2023	6	W Yang, X Zhu, F Nie, H Jiao, Q Xiao, Z Yang	Chaos Moth Flame Algorithm for Multi-Objective Dynamic Economic Dispatch Integrating with Plug-In Electric Vehicles	Electronics 12(12):2742	2079-9292
127.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2023	6	W Yang, X Zhu, F Nie, H Jiao, Q Xiao, Z Yang	Chaos Moth Flame Algorithm for Multi-Objective Dynamic Economic Dispatch Integrating with Plug-In Electric Vehicles	Electronics 12(12):2742	2079-9292
128.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2023	6	A Mkaouar, S Htiouech, H Chabchoub	Modified Artificial Bee Colony Algorithm for Multiple-Choice Multidimensional Knapsack Problem	IEEE Access, 11, pp.45255-45269	2169-3536
129.	Hora C, Dan FC, Rancov N, Badea GE, Secui C, Main Trends and Research Directions in Hydrogen Generation Using Low Temperature Electrolysis: A Systematic Literature Review, Aug 2022, Energies, 15(16)	2023	6	E Gul, G Baldinelli, A Farooqui, P Bartocci, T Shamim	AEM-electrolyzer based hydrogen integrated renewable energy system optimisation model for distributed communities	Energy Conversion and Management, Vol. 285, 117025	0196-8904
130.	Kuantama, E (Kuantama, E.); Vesselenyi, T (Vesselenyi, T.); Dzitac, S (Dzitac, S.); Tarca, R (Tarca, R.)/ PID and Fuzzy-PID Control Model for Quadcopter Attitude with Disturbance Parameter/ International Journal of Computers Communications & Control/1841-9836, 12(4):519-532. 2017	2023	5	Yildirim, S; Çabuk, N, Bakircioglu, V	Experimentally flight performances comparison of octocopter, decacopter and dodecacopter using universal UAV	Measurement	0263-2241
131.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2023	5	C Lin, H Liang, A Pang	A fast data-driven optimization method of multi-area combined economic emission dispatch	Applied Energy, Vol. 337, 120884	0306-2619
132.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2023	5	M Sutar, HT Jadhav	A modified artificial bee colony algorithm based on a non-dominated sorting genetic approach for combined economic-emission load dispatch problem	Applied Soft Computing, 110433	1568-4946
133.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2023	5	MH Hassan, S Kamel, A Eid, L Nasrat, F Jurado	A developed eagle-strategy supply-demand optimizer for solving economic load dispatch problems	Ain Shams Engineering, Vol. 14, Issue 5, 102083	2090-4479
134.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2023	5	F Kiani, S Nematzadeh, FA Anka, MA Findikli	Chaotic Sand Cat Swarm Optimization	Mathematics, 11, 2340	2227-7390
135.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (December 2017), pp. 203-223, ISSN 0196-8904	2023	5	C Lin, H Liang, A Pang	A fast data-driven optimization method of multi-area combined economic emission dispatch	Applied Energy, Vol. 337, 1120884	0306-2619
136.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2023	5	RM Rizk-Allah, EA Hagag, AA El-Fergany	Chaos-enhanced multi-objective tunicate swarm algorithm for economic-emission load dispatch problem	Soft Computing, 27(9), pp.5721-5739	1432-7643
137.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2023	5	MH Hassan, S Kamel, A Eid, L Nasrat, F Jurado	A developed eagle-strategy supply-demand optimizer for solving economic load dispatch problems	Ain Shams Engineering, 14 (5) 102083	2090-4479
138.	Badea GE, Hora C, Maior I, Cojocaru A, Secui C, Filip SM, Dan FC, Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22, Nov. 2022	2023	5	OF Aldosari, I Hussain, Z Malaibari	Emerging trends of electrocatalytic technologies for renewable hydrogen energy from seawater: Recent advances, challenges, and techno-feasible	Journal of Energy Chemistry, May 2023, Vol. 80, pp.658-688	2095-4956

139.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2023	4	AB Kunya, AS Abubakar, SS Yusuf	Review of economic dispatch in multi-area power system: State-of-the-art and future prospective	Electric Power Systems Research, Volume 217, 109089	0378-7796
140.	Sorin Nădăban, Simona Dziţac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2023	3	Indelicato, A; Martín, JC and Scuderi, R	A comparison of attitudes towards immigrants from the perspective of the political party vote	Heliyon	2405-8440
141.	Sorin Nădăban, Simona Dziţac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2023	3	Bhatia P, Diaz-Elsayed N	Facilitating decision-making for the adoption of smart manufacturing technologies by SMEs via fuzzy TOPSIS	International journal of production economics	0925-5273
142.	Kuantama, E (Kuantama, E.); Vesselenyi, T (Vesselenyi, T.); Dzitac, S (Dzitac, S.); Tarca, R (Tarca, R.)/ PID and Fuzzy-PID Control Model for Quadcopter Attitude with Disturbance Parameter/ International Journal of Computers Communications & Control/1841-9836, 12(4):519-532, 2017	2023	3	Sahin, I and Ulu, C	Altitude control of a quadcopter using interval type-2 fuzzy controller with dynamic footprint of uncertainty	ISA Transactions	0019-0578
143.	Simo A, Dzitac S, Dzitac I, Frigura-Iliasa M, Frigura-Iliasa FM, Air quality assessment system based on self-driven drone and LoRaWAN network, Computer Communications, 2021, Vol.175, Pag. 13-24, Doi:10.1016/j.comcom.2021.04.032, factor impact: 6, ISI	2023	3	Marquez, LE; Bahillo, A; De Miguel, I	Effects of Body Shadowing in LoRa Localization Systems	IEEE ACCESS	2169-3536
144.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2023	3	Y Sharifian, H Abdi	Solving multi-area economic dispatch problem using hybrid exchange market algorithm with grasshopper optimization algorithm	Energy, Volume 267, 126550	0360-5442
145.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2023	3	Girishkumar G, Ganesan, S, Jayakumar N, Subramanian S	Black Widow Optimization for Multi Area Economic Emission Dispatch	Intelligent Automation and Soft Computing, 35(1), pp. 609-625	1079-8587
146.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2023	3	XY Zhang, WK Hao, JS Wang, JH Zhu, XR Zhao, Y Zheng	Manta ray foraging optimization algorithm with mathematical spiral foraging strategies for solving economic load dispatching problems in power systems	Alexandria Engineering Journal 70, 613–640	1110-0168
147.	Badea GE, Hora C, Maior I, Cojocaru A, Secui C, Filip SM, Dan FC, Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22, Nov. 2022	2023	3	H Rezk, AG Olabi, MA Abdelkareem, A Alahmer, E Sayed	Maximizing Green Hydrogen Production from Water Electrocatalysis: Modeling and Optimization	Journal of Marine Science and Engineering, Martie 2023, 11(3), 617	2077-1312
148.	Violeta Chiş, Constantin Barbulescu, Stefan Kilyeni, Simona Dzitac, ANN Based Short-Load Curve Forecasting, International Journal Of Computers Communications & Control, ISSN 1841-9836, 13(6), pg. 938-955	2023	2	Amir, M; Zaheeruddin; Sedighzadeh, M	Intelligent energy management scheme-based coordinated control for reducing peak load in grid-connected photovoltaic-powered electric vehicle charging stations	IET generation transmission & distribution	1751-8687
149.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2023	2	Girishkumar G, Ganesan, S, Jayakumar N, Subramanian S	Black Widow Optimization for Multi Area Economic Emission Dispatch	Intelligent Automation and Soft Computing, 35(1)	1079-8587
150.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2023	2	S Kumar, BS Yildiz, P Mehta, N Panagant, SM Sait, S Mirjalili; AR Yildiz	Chaotic marine predators algorithm for global optimization of real-world engineering problems	Knowledge-Based Systems, Vol. 261, 110192	0950-7051
151.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2023	2	K Shah, J Soni, K Bhattacharjee	Artificial Electric Field Algorithm Applied to the Economic Load Dispatch Problem With Valve Point Loading Effect: AEFA Applied to ELD With VPLE	International Journal of Swarm Intelligence Research	1947-9263
152.	Secui DC, Hora C, Bendea G, Bendea C, Parameter estimation using a modified whale optimization algorithm for input-output curves of thermal and hydro power plants, International Transactions on Electrical Energy Systems, Vol: 30, Issue: 2, Article Number: e12188, Published: FEB 2020	2023	2	J Cao, Y Li, Z Qu, Y Dong, Y Liu, R Zhang	A new method for axis adjustment of the hydro-generator unit using machine learning	Scientific Reports 13(1)	2045-2322
153.	Badea GE, Hora C, Maior I, Cojocaru A, Secui C, Filip SM, Dan FC, Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22, Nov. 2022	2023	2	OA Buryakovskaya, MZ Suleimanov, MS Vlaskin, V Kumar, G Ambaryan	Aluminum Scrap to Hydrogen: Complex Effects of Oxidation Medium, Ball Milling Parameters, and Copper Additive Dispersity	Metals Feb. 2023, 13(2), 185	2075-4701
154.	Sorin Nădăban, Simona Dziţac, Ioan Dzitac, Fuzzy TOPSIS: A General	2023	1	Lam WH; Lam WS; Lee PF	Decision Analysis on the Financial Performance of	Mathematics	2227-7390

	View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI				Companies Using Integrated Entropy-Fuzzy TOPSIS Model		
155.	Violeta Chiş, Constantin Barbulescu, Stefan Kilyeni, Simona Dzitac, ANN Based Short-Load Curve Forecasting, International Journal Of Computers Communications & Control, ISSN 1841-9836, 13(6), pg. 938-955	2023	1	Panoiu, M; Panoiu, C and Mezinescu, S	Modelling and Prediction of Reactive Power at Railway Stations Using Adaptive Neuro Fuzzy Inference Systems	Applied Sciences-Basel	2076-3417
156.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2023	1	MLL Akbarabadi, R Sirjani	Achieving Sustainability and Cost-Effectiveness in Power Generation: Multi-Objective Dispatch of Solar, Wind, and Hydro Units	Sustainability, 15(3):2407	2071-1050
157.	Hora C, Dan FC, Rancov N, Badea GE, Secui C, Main Trends and Research Directions in Hydrogen Generation Using Low Temperature Electrolysis: A Systematic Literature Review, Aug 2022, Energies, 15(16)	2023	1	Benghanem M, Mellit A, Almohamadi H, Haddad S, Chettibi N, Alanazi AM, Dasalla D, Alzahrani A	Hydrogen Production Methods Based on Solar and Wind Energy: A Review	Energies Vol. 16 (2), Article No. 757	1996-1073
158.	Badea GE, Hora C, Maior I, Cojocaru A, Secui C, Filip SM, Dan FC, Sustainable Hydrogen Production from Seawater Electrolysis: Through Fundamental Electrochemical Principles to the Most Recent Development, Energies, Volume 15, Issue 22, Nov. 2022	2023	1	Tien TM, Chen, EL	S-Scheme System of MoS ₂ /Co ₃ O ₄ Nanocomposites for Enhanced Photocatalytic Hydrogen Evolution and Methyl Violet Dye Removal under Visible Light Irradiation	Coatings, 13(1), No. 80, Jan 2023, 13(1)	2079-6412
159.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2022	12	M Sutar, H. T. Jadhav	An economic/emission dispatch based on a new multi-objective artificial bee colony optimization algorithm and NSGA-II	Evolutionary Intelligence,	1864-5909
160.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2022	12	AM Ikotun, AE Ezugwu	Improved SOSK-Means Automatic Clustering Algorithm with a Three-Part Mutualism Phase and Random Weighted Reflection Coefficient for High-Dimensional Datasets	Applied Sciences-Basel, Dec. 2022, 12(24), 13019.	2076-3417
161.	Kuantama, E (Kuantama, E.); Vesselenyi, T (Vesselenyi, T.); Dzitac, S (Dzitac, S.); Tarca, R (Tarca, R.)// PID and Fuzzy-PID Control Model for Quadcopter Attitude with Disturbance Parameter/ International Journal of Computers Communications & Control/1841-9836, 12(4):519-532. 2017	2022	11	Lupas, AA; Oros, GI	Applications of Riemann-Liouville Fractional Integral of q-Hypergeometric Function for Obtaining Fuzzy Differential Sandwich Results	Symmetry-Basel	2073-8994
162.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2022	11	A Chakraborty, S Nama, A Kumar Saha	An improved symbiotic organisms search algorithm for higher dimensional optimization problems	Knowledge-Based Systems, 236, November 2022	0950-7051
163.	Secui DC, Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2022	11	Y Chen, EA Raad	Application of novel economic emission dispatch by considering the benchmark of multi-stage steam turbines, spinning reserve, and emission loss function,	Energy Reports, Vol. 8, 2022, pp. 8652-8660	2352-4847
164.	Secui DC, Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2022	11	A Meng, X Xu, Z Zhang, C Zeng, R Liang, Z Zhang, X Wang, B Yan, H Yin, J Luo	Solving high-dimensional multi-area economic dispatch problem by decoupled distributed crisscross optimization algorithm with population cross generation strategy	Energy, Vol. 258, Article No. 124836, 2022,	0360-5442
165.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2022	11	P Verma, RP Parouha	An innovative hybrid algorithm for solving combined economic and emission dispatch problems	Soft Computing, Vol. 26, Issue 22, pp. 12635-12666, 2022	1432-7643
166.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2022	11	I Ahmed, UEH Alvi, Abdul Basit, M Rehan, K-S Hong	Multi-objective whale optimization approach for cost and emissions scheduling of thermal plants in energy hubs	Energy Reports, 8(1):9158-9174, 2022	2352-4847
167.	GV Bendea, MF Prada, C Bendea, C Secui, Ground coupled heat pump systems– a key for a sustainable development of heating and cooling buildings, Proceedings of the 9th Int. Conference on Energy, Environment, Ecosystems and Sustainable Development, in: Recent Advances in Environmental Science, Lemesos, Cyprus, 2013, pp. 133-138	2022	11	O Kul, MN Uğural	Comparative Economic and Experimental Assessment of Air Source Heat Pump and Gas-Fired Boiler: A Case Study from Turkey	Sustainability, 2022, 14(21), 14298	2071-1050
168.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2022	10	Y Sharifian, H Abdi	Solving multi-zone combined heat and power economic emission dispatch problem considering wind uncertainty by applying grasshopper optimization	Sustainable Energy Technologies and Assessments, Oct. 2022, 53, ISSN:	2213-1388
169.	Secui DC. A modified Symbiotic Organisms Search algorithm for large	2022	10	S Xu, G Xiong, AW	Forgetting velocity based improved comprehensive	Energy, 124511, 2022	0360-5442

	scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442			Mohamed	learning particle swarm optimization for non-convex economic dispatch problems with valve-point effects and multi-fuel options		
170.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2022	10	Y Sharifian, H Abdi	Solving multi-zone combined heat and power economic emission dispatch problem considering wind uncertainty by applying grasshopper optimization	Sustainable Energy Technologies and Assessments, Vol. 53, Part B, 2022, 102512	2213-1388
171.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2022	10	E Kaya, B Gorkemli, B Akay, D Karaboga	A review on the studies employing artificial bee colony algorithm to solve combinatorial optimization problems	Engineering Applications of Artificial Intelligence 115(3):105311, 2022	0952-1976
172.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2022	10	K Yang, K Yang	Improved Whale Algorithm for Economic Load Dispatch Problem in Hydropower Plants and Comprehensive Performance Evaluation	Water Resources Management, 36, 2022	0920-4741
173.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2022	10	B Bentouati, RA El-Sehiemy, C Saliha, HM Hasanien	A Chaotic Krill Herd Optimizer for Efficient Combination of Renewable Energy Sources in Isolated Microgrid Mode	Electric Power Components and Systems	1532-5008
174.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2022	10	El Houda KCN, Abderrahim B	Optimization By Morphological Filters For Solving Combined Economic Emission Dispatch Problem	Revue Roumaine Des Sciences Techniques-Serie Electrotechnique Et Energetique, 67(4)	0035-4066
175.	G Bendea, C Secui, C Hora, C Bendea, Redundancy Optimal Allocation For Series - Parallel Systems Applied To Thermal Power Plants, Rev. Roum. Sci. Techn.– Électrotechn. Et Énerg, Vol. 55, Issue: 2, 201-210, 2010	2022	10	I Meriche, A Chemoul	Analyse 4E (Énergetique–Exergétique–Économique-Environnementale) D'une Centrale Thermique À Vapeur	Revue roumaine des sciences techniques-serie electrotechnique et energetique, 67(2), 199-205	0035-4066
176.	Kuantama, E (Kuantama, Endrowednes); Tarca, R (Tarca, Radu ; Dzitat, S (Dzitat, Simona) ; Dzitat, I (Dzitat, Ioan; Vesselenyi, T (Vesselenyi, Tiberiu); Tarca, I (Tarca, Ioan) The Design and Experimental Development of Air Scanning Using a Sniffer Quadcopter, 8424-8220, Sensors 2019,19(18), 3849;https://doi.org/10.3390/s19183849	2022	9	Rodriguez-Guerrero, L; Benitez-Morales, A; Santos-Sanchez, OJ; Garcia-Perez, O Romero-Trejo, H, Ordaz-Oliver, M Ordaz-Oliver, JP	Robust Backstepping Control Applied to UAVs for Pest Recognition in Maize Crops	Applied Sciences-Basel	2076-3417
177.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2022	9	H. Vennila, NC GIRI, NM Kumar, Pampa Sinha, Mohit Bajaj, S Kamel	Static and Dynamic Environmental Economic Dispatch using Tournament selection based Ant Lion Optimization Algorithm	Frontiers in Energy Research, Vol. 10, Article No. 972069, , 2022	2296-598X
178.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2022	9	S Safiri, A Nikoofard	Ladybug Beetle Optimization algorithm: application for real-world problems	Journal of Supercomputing, 638, 2022	0920-8542
179.	Secui DC. A Method Based On The Ant Colony Optimization Algorithm For Dynamic Economic Dispatch With Valve-Point Effects, Trans. El. Ener. Sys. Vol. 25, Issue:2, Pages: 262-287, Published: Feb 2015	2022	9	H. Vennila, NC GIRI, NM Kumar, Pampa Sinha, Mohit Bajaj, S Kamel	Static And Dynamic Environmental Economic Dispatch Using Tournament Selection Based Ant Lion Optimization Algorithm, Frontiers In Energy Research	Vol. 10, Article No. 972069	2296-598X
180.	Secui DC, Hora C, Bendea G, Bendea C, Parameter estimation using a modified whale optimization algorithm for input-output curves of thermal and hydro power plants, International Transactions on Electrical Energy Systems, Vol: 30, Issue: 2, Article Number: e12188, Published: FEB 2020	2022	9	A Agwa, Y-I. Mesalam, M Hosny, M.A. El-Dabab, A.M. El-Sherif, S. Kamel	Improved Gradient-Based Optimizer for Modelling Thermal and Hydropower Plants	International Transactions on Electrical Energy Systems, Vol. 2022, Article No. 3990226	2050-7038
181.	Secui DC, Hora C, Bendea G, Bendea C, Parameter estimation using a modified whale optimization algorithm for input-output curves of thermal and hydro power plants, International Transactions on Electrical Energy Systems, Vol: 30, Issue: 2, Article Number: e12188, Published: FEB 2020	2022	9	Q Guan, S Zou, H Liu, Q Chen	Performance Evaluation Method of Public Administration Department Based on Improved DEA Algorithm	Computational Intelligence and Neuroscience, 3, 1-10, 2022	1687-5265
182.	Secui DC. A Method Based On The Ant Colony Optimization Algorithm For Dynamic Economic Dispatch With Valve-Point Effects, Trans. El. Ener. Sys. Vol. 25, Issue:2, Pages: 262-287, Published: Feb 2015	2022	9	H. Vennila, NC GIRI, NM Kumar, Pampa Sinha, Mohit Bajaj, S Kamel	Static And Dynamic Environmental Economic Dispatch Using Tournament Selection Based Ant Lion Optimization Algorithm,	Frontiers In Energy Research, Vol. 10, Article No. 972069	2296-598X
183.	Secui DC, Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2022	8	C Fan, Y Wu, H Hu, L Xiao, L Yi X Ning	A Two-Stage Cooperative Multi-objective Evolutionary Differential Algorithm for Combined Heat and Power Economic Emission Dispatch,	Arabian Journal for Science and Engineering, 48, 2022	2193-567X
184.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol.	2022	8	J Xin, L Yu, J Wang, N Li	A diversity-based parallel particle swarm optimization for nonconvex economic dispatch problem	Transactions of the Institute of Measurement and Control	0142-3312

	89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904						
185.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2022	7	M Naveed Iqbal, Abdul Rauf Bhatti, Arslan Dawood Butt, Ali Sheikh s.a.	Solution of Economic Dispatch Problem Using Hybrid Multi-Verse Optimizer	Electric Power Systems Research, 208(2022):107912	0378-7796
186.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2022	7	M Firouzbahrami, A Nobakhti	Finite-time Distributed Economic Dispatch over Network Systems with Coupled Local Costs	IEEE Control Systems Letters, 7, 2022, 325-330	2475-1456
187.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2022	7	Majid Firouzbahrami, Amin Nobakhti	Finite-Time Distributed Economic Dispatch Over Network Systems With Coupled Local Costs	IEEE Control Systems Letters 7:1-1, 325-330, 2022	2475-1456
188.	Secui DC, Hora C, Bendea G, Bendea C, Parameter estimation using a modified whale optimization algorithm for input-output curves of thermal and hydro power plants, International Transactions on Electrical Energy Systems, Vol: 30, Issue: 2, Article Number: e12188, Published: FEB 2020	2022	7	AC Galvez, FF Bazán, EL Parra	Effect of models uncertainties on the emission constrained economic dispatch. A prediction interval-based approach	Applied Energy 317(3):119070	0306-2619
189.	Kuantama, E (Kuantama, Endowednes); Tarca, R (Tarca, Radu ; Dzitac, S (Dzitac, Simona) ; Dzitac, I (Dzitac, Ioan); Vesselenyi, T (Vesselenyi, Tiberiu); Tarca, I (Tarca, Ioan)/ The Design and Experimental Development of Air Scanning Using a Sniffer Quadcopter, 8424-8220, Sensors 2019,19(18), 3849;https://doi.org/10.3390/s19183849	2022	6	Lugassi, R; Blank, A; Rogozovsky, I; Ohneiser, K;Ansmann, A ; Linzon, Y; Chudnovsky, A	From laboratory to in-situ 3D measurements of complex pollution states in the city: Introducing a general concept using compact multisensory assemblies on UAVs	Atmospheric Environment	1352-2310
190.	Turskis Z; Dzitac, S; Stankiuvienė, A; Sukys, R/ A Fuzzy Group Decision-making Model for Determining the Most Influential Persons in the Sustainable Prevention of Accidents in the Construction SMEs/ International Journal of Computers Communications & Control/1841-9836, 2019/02/14(1):90-106	2022	6	Sanchez-Garrido, AJ; Navarro, IJ; Yepes, V	Evaluating the sustainability of soil improvement techniques in foundation substructures	Journal of Cleaner Production	0959-6526
191.	Kuantama, E (Kuantama, E.); Vesselenyi, T (Vesselenyi, T.); Dzitac, S (Dzitac, S.); Tarca, R (Tarca, R.)/ PID and Fuzzy-PID Control Model for Quadcopter Attitude with Disturbance Parameter/ International Journal of Computers Communications & Control/1841-9836, 12(4):519-532. 2017	2022	6	Hernandez-Alvarado, R; Rodriguez-Abreo, O; Garcia-Guendulain, JM; Hernandez-Diaz, T	Self-Tuning Control Using an Online-Trained Neural Network to Position a Linear Actuator	Micromachines	2072-666X
192.	Secui DC; Bendea G; Dzitac S et al., A Modified Harmony Search Algorithm For The Economic Dispatch Problem., , Studies In Informatics And Control, Volume: 23, Issue: 2, Pages: 143-152, Published: Jun 2014	2022	6	A Srivastava; D Kumar Das	A New Aggrandized Class Topper Optimization Algorithm to Solve Economic Load Dispatch Problem in a Power System	IEEE Transactions on Cybernetics, 2022, 52(6), pp.4187-4197	2168-2267
193.	Hora C, Dan FC, Bendea G, Secui C, Residential Short-Term Load Forecasting during Atypical Consumption Behavior.Energies 2022, 15(29)	2022	6	NMA Mutombo, BP Numbi,	development of a linear regression model based on the most influential predictors for a research office cooling load	Energies, Vol. 15(14), Article No. 5097	1996-1073
194.	Kuantama, E (Kuantama, E.); Vesselenyi, T (Vesselenyi, T.); Dzitac, S (Dzitac, S.); Tarca, R (Tarca, R.)/ PID and Fuzzy-PID Control Model for Quadcopter Attitude with Disturbance Parameter/ International Journal of Computers Communications & Control/1841-9836, 12(4):519-532. 2017	2022	5	Belge, E; Altan, A, Hacioglu, R	Metaheuristic Optimization-Based Path Planning and Tracking of Quadcopter for Payload Hold-Release Mission	Electronics	2079-9292
195.	Endowednes Kuantama, Tiberiu Vesselenyi, Simona Dzitac, Radu Tarca, PID and Fuzzy-PID Control Model for Quadcopter Attitude with Disturbance Parameter, Int. J. Of Computers Communications & Control, ISSN 1841-9836, 12(4), pp 519-532, Aug 2017, factor de impact:2,093, ISI	2022	5	Sarkar, M; Homaifar, A; Erol, BA; Behniapoor, M; Tunstel, E	PIE: a Tool for Data-Driven Autonomous UAV Flight Testing	Journal of Intelligent & Robotic	0921-0296
196.	Secui DC; Bendea G; Dzitac S et al., A Modified Harmony Search Algorithm For The Economic Dispatch Problem., , Studies In Informatics And Control, Volume: 23, Issue: 2, Pages: 143-152, Published: Jun 2014	2022	5	MW Tian, K Alattas, F El-Sousy s.a.	A New Short Term Electrical Load Forecasting by Type-2 Fuzzy Neural Networks,	Energies 15(9):3034	0360-5442
197.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2022	5	A Meng, C Zeng, X Xu, W Ding, S Liu, D Chen	Decentralized Power Economic Dispatch by Distributed Crisscross Optimization in Multi-Agent System	Energy, Vol. 246, 1 May 2022, 123392	0360-5442
198.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2022	5	K Bhattacharjee, K Shah, J Soni	Solving Economic Dispatch using Artificial Eco System-based Optimization	Electric Power Components and Systems, 2022, 49 (11-12), 1034-1051	1532-5008
199.	Turskis Z; Dzitac, S; Stankiuvienė, A; Sukys, R/ A Fuzzy Group Decision-making Model for Determining the Most Influential Persons in the	2022	4	Sanchez-Garrido, AJ; Navarro, IJ; Yepes, V	Multi-criteria decision-making applied to the sustainability of building structures based on Modern	Journal of Cleaner Production	0959-6526

	Sustainable Prevention of Accidents in the Construction SMEs/ International Journal of Computers Communications & Control/1841-9836, 2019/02/14(1):90-106/				Methods of Construction		
200.	Kuantama, E (Kuantama, E.); Vesselenyi, T (Vesselenyi, T.); Dzitac, S (Dzitac, S.); Tarca, R (Tarca, R.)/ PID and Fuzzy-PID Control Model for Quadcopter Attitude with Disturbance Parameter/ International Journal of Computers Communications & Control/1841-9836, 12(4):519-532, 2017	2022	4	Yang, P; Zhang, ZQ; Geng, HL; Jiang, B;Hu, XK	Intelligent Discrete Sliding Mode Predictive Fault-Tolerant Control Method for Multi-Delay Quad-Rotor UAV System Based on DIECOA	Aerospace	2226-4310
201.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2022	4	Cao Y, T Li, T He, Wei Y, Li M, Si F	Multiobjective Load Dispatch for Coal-Fired Power Plants under Renewable-Energy Accommodation Based on a Nondominated-Sorting Grey Wolf Optimizer Algorithm	Energies, 15(8):2915, 2022	1996-1073
202.	Hora C, Dan FC, Bendea G, Secui C, Residential Short-Term Load Forecasting during Atypical Consumption Behavior.Energies 2022, 15(29)	2022	4	MW Tian, K Alattas, F El-Sousy s.a.	A New Short Term Electrical Load Forecasting by Type-2 Fuzzy Neural Networks	Energies 15(9):3034	1996-1073
203.	Kuantama, E (Kuantama, Endowednes); Tarca, R (Tarca, Radu ; Dzitac, S (Dzitac, Simona) ; Dzitac, I (Dzitac, Ioan; Vesselenyi, T (Vesselenyi, Tiberiu); Tarca, I (Tarca, Ioan)/ The Design and Experimental Development of Air Scanning Using a Sniffer Quadcopter, 8424-8220, Sensors 2019,19(18), 3849;https://doi.org/10.3390/s19183849	2022	3	Suchanek, G; Woloszyn, J; Golas, A	Evaluation of Selected Algorithms for Air Pollution Source Localisation Using Drones	Sustainability	2071-1050
204.	Kuantama, E (Kuantama, Endowednes); Tarca, R (Tarca, Radu ; Dzitac, S (Dzitac, Simona) ; Dzitac, I (Dzitac, Ioan; Vesselenyi, T (Vesselenyi, Tiberiu); Tarca, I (Tarca, Ioan)/ The Design and Experimental Development of Air Scanning Using a Sniffer Quadcopter, 8424-8220, Sensors 2019,19(18), 3849;https://doi.org/10.3390/s19183849	2022	3	Fascista, A	Toward Integrated Large-Scale Environmental Monitoring Using WSN/UAV/Crowdsensing: A Review of Applications, Signal Processing, and Future Perspectives	Sensors	1424-8220
205.	Turskis Z; Dzitac, S; Stankiuvienė, A; Sukys, R/ A Fuzzy Group Decision-making Model for Determining the Most Influential Persons in the Sustainable Prevention of Accidents in the Construction SMEs/ International Journal of Computers Communications & Control/1841-9836, 2019/02/14(1):90-106	2022	3	Costa, IPD; Moreira, MAL; Costa, APD; Teixeira, LFHDD; Gomes, CFS ; Dos Santos, M	Strategic Study for Managing the Portfolio of IT Courses Offered by a Corporate Training Company: An Approach in the Light of the ELECTRE-MOR Multicriteria Hybrid Method	International Journal Of Information Technology & Decision Making	0219-6220
206.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2022	3	S Basu, S Kumar, M Basu	Horse Herd Optimization Algorithm For Economic Dispatch Problems	Engineering Optimization, 2022	0305-215X
207.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2022	3	A Srivastava, DK Das	Criminal Search Optimization Algorithm: A Population-Based Meta-Heuristic Optimization Technique to Solve Real-World Optimization Problems	Arabian Journal for Science and Engineering, 2022, 47(3), pp.3551-3571	2193-567X
208.	Hora C, Dan FC, Bendea G, Secui C, Residential Short-Term Load Forecasting during Atypical Consumption Behavior.Energies 2022, 15(29)	2022	3	M Moure-Garrido, C Campo, C Garcia-Rubio	Entropy-Based Anomaly Detection in Household Electricity Consumption	Energies, 15(5), 1837	1996-1073
209.	Hora C, Dan FC, Bendea G, Secui C, Residential Short-Term Load Forecasting during Atypical Consumption Behavior.Energies 2022, 15(29)	2022	3	Bian Z	analysis of internet sports ads creation based on consumption behavior and consumption psychology	Revista De Psicologia Del Deporte, 31(4), pp.66-75	1132-239X
210.	Secui DC, Hora C, Bendea G, Bendea C, Parameter estimation using a modified whale optimization algorithm for input-output curves of thermal and hydro power plants, International Transactions on Electrical Energy Systems, Vol: 30, Issue: 2, Article Number: e12188, Published: FEB 2020	2022	3	Maharajan MS, Abirami T	Energy Efficient Qos Aware Cluster Based Multihop Routing Protocol For WSN	Computer Systems Science And Engineering, 41 (3), 2022, 1173-1189	0267-6192
211.	Secui DC, Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2022	2	A Meng, C Zeng, X Xu, W Ding, S Liu, D Chen	Decentralized Power Economic Dispatch by Distributed Crisscross Optimization in Multi-Agent System	Energy, 246(3)	0360-5442
212.	Secui DC. A Method Based On The Ant Colony Optimization Algorithm For Dynamic Economic Dispatch With Valve-Point Effects, Trans. El. Ener. Sys. Vol. 25, Issue:2, Pages: 262-287, Published: Feb 2015	2022	2	Z Hu, C Dai, Q Su	Adaptive backtracking search optimization algorithm with a dual-learning strategy for dynamic economic dispatch with valve-point effects	Energy, 248(1):123558, 2022	0360-5442
213.	Kuantama, E (Kuantama, Endowednes); Tarca, R (Tarca, Radu ; Dzitac, S (Dzitac, Simona) ; Dzitac, I (Dzitac, Ioan; Vesselenyi, T (Vesselenyi, Tiberiu); Tarca, I (Tarca, Ioan)/ The Design and Experimental Development of Air Scanning Using a Sniffer Quadcopter, 8424-8220, Sensors 2019,19(18), 3849;https://doi.org/10.3390/s19183849	2022	1	Hao, Y ; Li, SG ; Zhang, TJ	Multi-sensor optimal deployment based efficient and synchronous data acquisition in large three-dimensional physical similarity simulation	Assembly Automation	0144-5154
214.	Secui DC, The chaotic global best artificial bee colony algorithm for the	2022	1	X Chen, G Tang	Solving static and dynamic multi-area economic	Energy, Vol. 238, Part C,	0360-5442

	multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442				dispatch problems using an improved competitive swarm optimization algorithm,	Article Number 122035, 2022	
215.	Secui DC, Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2022	1	Dexuan Zou, Dunwei Gong	Differential evolution based on migrating variables for the combined heat and power dynamic economic dispatch	Energy, Vol. 238, Part A, Article Number 121664.	0360-5442
216.	Secui DC, Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2022	1	A Goudarzi, S Fahad, J Ni, F Ghayoor, P Siano, HH Alhelou	A sequential hybridization of ETLBO and IPSO for solving reserve-constrained combined heat, power and economic dispatch problem	IET Generation, Transmission and Distribution 16(10), pp. 1930-1949	1751-8687
217.	Secui DC. A Method Based On The Ant Colony Optimization Algorithm For Dynamic Economic Dispatch With Valve-Point Effects, Trans. El. Ener. Sys. Vol. 25, Issue:2, Pages: 262-287, Published: Feb 2015	2022	1	C Dai, Z Hu, Q Su	An adaptive hybrid backtracking search optimization algorithm for dynamic economic dispatch with valve-point effects,	Energy, 239, Jan 2022	0360-5442
218.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2021	12	Kim, SYThuc, LD	Life Cycle Performance Measurement in Public-Private Partnership Infrastructure Projects	Journal of Infrastructure Systems	1076-0342
219.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2021	11	Sharifi, E , Chaudhuri, AWachrens, BV , Staal, LGLindemann, CF, Farahani, SD	Part selection for Freeform Injection Moulding: comparison of alternate approaches using a novel comprehensive methodology	International Journal of Production Research	0020-7543
220.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2021	11	G Kaur, J.S. Dhillon	Economic power generation scheduling exploiting hill-climbed Sine–Cosine algorithm,	Applied Soft Computing, 111(1):107690	1568-4946
221.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2021	11	H Bilal, F Öztürk, Rubber bushing	Optimization By Using A Novel Chaotic Krill Herd Optimization Algorithm	Soft Computing, 25 (22), pp. 14333-14355	1432-7643
222.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2021	11	A Goudarzi, C Zhang, S Fahad, AJr Mahdi	A hybrid sequential approach for solving environmentally constrained optimal scheduling in co-generation systems	Energy Reports, Vol. 7, Pages 3460-3479,	2352-4847
223.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2021	11	Gurpreet Kaur, J.S. Dhillon	Economic power generation scheduling exploiting hill-climbed Sine–Cosine algorithm	Applied Soft Computing, 111(1):107690, 2021	1568-4946
224.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2021	11	Sakthivel VP, Goh HH, Srikrishna S, Sathya PD, Rahim SKA	Multi-Objective Squirrel Search Algorithm for Multi-Area Economic Environmental Dispatch With Multiple Fuels and Valve Point Effects	IEEE Access, Vol. 9, pp. 3988-4007, 2021	2169-3536
225.	Secui DC. A Method Based On The Ant Colony Optimization Algorithm For Dynamic Economic Dispatch With Valve-Point Effects, Trans. El. Ener. Sys. Vol. 25, Issue:2, Pages: 262-287, Published: Feb 2015	2021	11	Pooja Verma, Raghav Prasad Parouha	Non-convex Dynamic Economic Dispatch Using an Innovative Hybrid Algorithm	Journal of Electrical Engineering & Technology, DOI 10.1007/s42835-021-00926-y, Noiembrie 2021	1975-0102
226.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2021	10	Afrane, S , Ampah, JDJin, C , Liu, HFAboagye, EM	Techno-economic feasibility of waste-to-energy technologies for investment in Ghana: A multicriteria assessment based on fuzzy TOPSIS approach	Journal of Cleaner Production	0959-6526
227.	Benta D., Bologa G., Dzitac S., Dzitac I., University Level Learning and Teaching via E-Learning Platforms, 3rd International Conference on Information Technology and Quantitative Management, ITQM 2015 - Rio de Janeiro, Procedia Computer Science, Vol 55C, 2015, Pg 1366-1373, Proc. ISI	2021	10	Mujiono Herawati, S	The Effectiveness of E-Learning-Based Sociolinguistic Instruction on EFL University Students' Sociolinguistic Competence	International Journal Of Instruction, 14 (4), pp.627-642	1694-609X
228.	Endrowednes Kuantama, Tiberiu Vesselenyi, Simona Dzitac, Radu Țarcă, PID and Fuzzy-PID Control Model for Quadcopter Attitude with Disturbance Parameter, International Journal Of Computers Communications & Control, ISSN 1841-9836, 12(4), pp 519-532, August 2017, factor de impact:2,293, ISI	2021	10	Shauqee, MNRajendran, PSuhadis, NM	An effective proportional-double derivative-linear quadratic regulator controller for quadcopter attitude and altitude control	Automatika	0005-1144
229.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15	2021	10	MJ Mokarram, M Gitizadeh, T Niknam, KE Okedu	A decentralized granular-based method to analyze multi-area energy management systems including DGs,	Journal of Energy Storage, 42(103128):1-10, Oct. 2021	2352-152X

	December 2015, Pages 2518-2545, ISSN: 0360-5442				batteries and electric vehicle parking lots		
230.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2021	10	Bo Zeng,-Hao Xu,-Wenshi Wang,-Lei Zhu	Improved Symbiotic Organisms Search Algorithm For Optimal Operation Of Active Distribution Systems Incorporating Renewables And Emerging Data-Center Resources	Energy Science & Engineering, 9(10), pp.1733-1733	2050-0505
231.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2021	10	S Basu, M Basu	Modified Student Psychology Based Optimization Algorithm For Economic Dispatch Problems	Applied Artificial Intelligence, DOI 10.1080/08839514.2021.1985050	0883-9514
232.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2021	10	X Li, J Xu, Z Lu	Differential Evolution Algorithm Based On State Transition Of Specific Individuals For Economic Dispatch Problems With Valve Point Effects	Journal of Electrical Engineering & Technology, DOI 10.1007/s42835-021-00918-y	1975-0102
233.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2021	10	Ravindra Manam, Ravindra Sangu, Lakshminarayana Pamidi, Manoz Kumar Reddy Karri	Three metaphor-less Algorithms for Economic Load Dispatch Solution	Journal of Electrical Engineering&Technology, DOI 10.1007/s42835-021-00922-2, Oct. 2021, 1975-0102	1975-0102
234.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2021	10	X Li, J Xu, Z Lu	Differential Evolution Algorithm Based on State Transition of Specific Individuals for Economic Dispatch Problems with Valve Point Effects	Journal of Electrical Engineering & Technology, DOI 10.1007/s42835-021-00918-y, Oct. 2021	1975-0102
235.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2021	9	Tamosaitiene, JKhosravi, MCristofaro, MChan, DWM Sarvari, H	Identification and Prioritization of Critical Risk Factors of Commercial and Recreational Complex Building Projects: A Delphi Study Using the TOPSIS Method	Applied Sciences-Basel	2076-3417
236.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2021	9	Akram, MAmjad, UDavvaz, B	Decision-making analysis based on bipolar fuzzy N-soft information	Computational & Applied Mathematics	2238-3603
237.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2021	9	Ali, YSara, SRehman, OU	How to tackle plastic bags and bottles pollution crisis in Pakistan? A cost-benefit analysis approach	Environmental and Ecological Statistics	1352-8505
238.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2021	9	Hsing-Chih Tsai	A corrected and improved symbiotic organisms search algorithm for continuous optimization	Expert Systems with Applications, Vol. 177, 1 September 2021, 114981	0957-4174
239.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2021	9	F Miao, L Yao, X Zhao	Evolving convolutional neural networks by symbiotic organisms search algorithm for image classification	Applied Soft Computing, Sept. 2021, Vol 109, Article Number 107537	1568-4946
240.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2021	9	M Rawa, A Abusorrah, H Bassi, S Mekhilef	Economical-technical-environmental operation of power networks with wind-solar-hydropower generation using analytic hierarchy process and improved grey wolf algorithm,	Ain Shams Engineering Journal, 2021, 12 (3), pp.2717-2734.	2090-4479
241.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2021	9	V Sakthivel, HH Goh, S Subramanian, P Sathya	Multi-Objective Squirrel Search Algorithm for Multi-Area Economic Environmental Dispatch with Multiple Fuels and Valve Point Effects	IEEE Access, Vol.: 9, Pages: 3988-4007, 2021	2169-3536
242.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2021	9	MH Hassan, S Kamel, SQ Salih, T Khurshaid, M Ebeed	Developing Chaotic Artificial Ecosystem based Optimization Algorithm for Combined Economic Emission Dispatch	IEEE Access, 9, pp.51146-51165, 2021	2169-3536
243.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2021	9	UA Salaria, MI Menhas, S Manzoor	Quasi Oppositional Population Based Global Particle Swarm Optimizer with Inertial Weights (QGPSPSO-w) for Solving Economic Load Dispatch Problem,	Vol. 9, Page 134081-134095IEEE Access	2169-3536
244.	Secui DC, Hora C, Bendea G, Bendea C, Parameter estimation using a	2021	9	B Zaker, R Khalili, H	A new method to identify synchronous generator and	International Transactions on	2050-7038

	modified whale optimization algorithm for input-output curves of thermal and hydro power plants, International Transactions on Electrical Energy Systems, Vol: 30, Issue: 2, Article Number: e12188, Published: FEB 2020			Rabieyan, M Karrari	turbine-governor parameters of a gas unit using a closed-loop model	Electrical Energy Systems, Vol. 31, Issue 11, Article Number e13110, 2021	
245.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2021	8	Roy, PKShaw, K	An integrated fuzzy model for evaluation and selection of mobile banking (m-banking) applications using new fuzzy-BWM and fuzzy-TOPSIS	Complex & Intelligent Systems	2199-4536
246.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2021	8	Ali, Y , Jokhio, DHDojki, AA , Rehman, OUKhan, F , Salman, A	Adoption of circular economy for food waste management in the context of a developing country	Waste Management & Research	0734-242X
247.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2021	8	Siwec, DPacana, A	Model Supporting Development Decisions by Considering Qualitative-Environmental Aspects	Sustainability	2071-1050
248.	Turskis, Z, Dzitac, S; Stankiuvienė, A; Sukys, R, A Fuzzy Group Decision-making Model for Determining the Most Influential Persons in the Sustainable Prevention of Accidents in the Construction SMEs, International Journal Of Computers Communications & Control, ISSN 1841-9836, Volume: 14 Issue: 1 Pages: 90-106, factor de impact: 1,585, DOI: 10.15837/ijccc.2019,2,293, ISI	2021	8	Chen, JH ,Yang, LR, Wang, JP , Lin, SI , Cheng, JY, Lee, MH, Chen, CL	Automatic manpower allocation for public construction projects using a rough set enhanced neural network	Canadian Journal of Civil Engineering	0315-1468
249.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2021	8	F Miao, L Yao, X Zhao	Symbiotic organisms search algorithm using random walk and adaptive Cauchy mutation on the feature selection of sleep staging	Expert Systems with Applications, Vol. 176, 15, 11488	0957-4174
250.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2021	8	Sudeepa Das, Tirath Prasad Sahu, Rekh Ram Janghel	Optimized Fuzzy Based Symbiotic Organism Search Algorithm For Engineering Design Problem	Evolutionary Intelligence, DOI 10.1007/s12065-021-00650-6	1864-5909
251.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2021	7	Roy, PKShaw, K	Developing a multi-criteria sustainable credit score system using fuzzy BWM and fuzzy TOPSIS	Environment Development and Sustainability	1387-585X
252.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2021	7	Park, H, Ko, HLee, YTT , Feng, SWitherell, P, Cho, H	Collaborative knowledge management to identify data analytics opportunities in additive manufacturing	Journal of Intelligent Manufacturing	0956-5515
253.	Turskis, Z, Dzitac, S; Stankiuvienė, A; Sukys, R, A Fuzzy Group Decision-making Model for Determining the Most Influential Persons in the Sustainable Prevention of Accidents in the Construction SMEs, International Journal Of Computers Communications & Control, ISSN 1841-9836, Volume: 14 Issue: 1 Pages: 90-106, factor de impact: 1,585, DOI: 10.15837/ijccc.2019,2,293, ISI	2021	7	Ulutas, A, Popovic, G, Radanov, P , Stanujkic, D, Karabasevic, D	A new hybrid fuzzy psi-piprecia-cocoso mcdm based approach to solving the transportation company selection problem	Technological and Economic Development of Economy	2029-4913
254.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2021	7	X Li, L Fu, Z Lu	A novel constraints handling mechanism based on virtual generator unit for economic dispatch problems with valve point effects	International Journal of Electrical Power & Energy, vol. 129	0142-0615
255.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2021	7	Suleiman Sa’ad, Abdullah Muhammed, Mohammed Abdullahi, Fahrul Hakim Ayob	An Enhanced Discrete Symbiotic Organism Search Algorithm for Optimal Task Scheduling in the Cloud	Algorithms 14(7): 200	1999-4893
256.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2021	7	X Li, L Fu, Z Lu	A novel constraints handling mechanism based on virtual generator unit for economic dispatch problems with valve point effects	International Journal of Electrical Power & Energy, Vol. 129, Article Number 106825, JUL 2021	0142-0615
257.	Secui DC. A Hybrid Particle Swarm Optimization Algorithm for the Economic Dispatch Problem. Majlesi Journal of Electrical Engineering,	2021	7	S Liaquat, MF Zia, M Benbouzid	Modeling And Formulation Of Optimization Problems For Optimal Scheduling Of Multi-Generation And	Electronics, Vol. 10, No. 14, 2021	2079-9292

	Vol. 9, No. 1, March 2015				Hybrid Energy Systems: Review And Recommendations		
258.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2021	6	Peng, XB Gibbs, ESilverman, JMCashman, NR, Plotkin, SS	A method for systematically ranking therapeutic drug candidates using multiple uncertain screening criteria	Statistical Methods In Medical Research	0962-2802
259.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2021	6	Olatunji Matthew Adeyanju, Luciane Neves Canha, Camilo Alberto Sepúlveda Rangel, Josue Campos do Prado	Semi-decentralized and fully decentralized multiarea economic dispatch considering participation of local private aggregators using meta-heuristic method	International Journal of Electrical Power & Energy Systems, Volume 128, June 2021, 106656	0142-0615
260.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2021	6	H Nourianfar, H Abdi	Solving power systems optimization problems in the presence of renewable energy sources using modified exchange market algorithm	Sustainable Energy, Grids and Networks, Vol. 26, 100449	2352-4677
261.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2021	6	M. Ellahi, Ghulam Abbas, G. B. Satrya, M. R. Usman, J. Gu	A Modified Hybrid Particle Swarm Optimization with Bat Algorithm Parameter Inspired Acceleration Coefficients for Solving Eco-Friendly and Economic Dispatch Problems	IEEE Access, Vol. 9, Page 82169-82187, June 2021	2169-3536
262.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2021	6	Abdel-rahem Hussien, Salah Kamel, Mohamed Ebeed, Juan Yu	A Developed Approach to Solve Economic and Emission Dispatch Problems Based on Moth-Flame Algorithm	Electric Power Components and Systems, Vol. 49, Issue 1-2, Page 94-107, June 2021	1532-5008
263.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2021	5	Roszkowska, EKusterka-Jefmanska, MJefmanski, B	Intuitionistic Fuzzy TOPSIS as a Method for Assessing Socioeconomic Phenomena on the Basis of Survey Data	Entropy	1099-4300
264.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2021	5	W Dai, Z Yang, J Yu, W Cui, W Li, J Li, H Liu	Economic Dispatch of Interconnected Networks Considering Hidden Flexibility	Energy, 2021, Vol. 223	0360-5442
265.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2021	5	A Chakraborty, AK Saha, S Sharma, R Chakraborty, S Debnath	A hybrid whale optimization algorithm for global optimization	Journal of Ambient Intelligence and Humanized Computing, DOI 10.1007/s12652-021-03304-8, 2021	1868-5137
266.	Secui DC. A Method Based On The Ant Colony Optimization Algorithm For Dynamic Economic Dispatch With Valve-Point Effects, Trans. El. Ener. Sys. Vol. 25, Issue:2, Pages: 262-287, Published: Feb 2015	2021	5	SA Kumar, P Tapas Kumar, Dhiman Gaurav, Singh Krishna Kant, Singh Akansha	Enhanced emperor penguin optimization algorithm for dynamic economic dispatch with renewable energy sources and microgrid	Journal of Intelligent & Fuzzy Systems, Volume 40, Issue 5, Page 9041-9058, 2021, ISSN: 1064-1246	1064-1246
267.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2021	4	X Chen, H Tianfield, W Du	Bee-foraging learning particle swarm optimization	Applied Soft Computing, Vol. 102, Article Number 107134, Apr. 2021	1568-4946
268.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2021	4	RN Gul, A Ahmad, S Fayyaz, MK Sattar, SS ul Haq	A Hybrid Flower Pollination Algorithm With Sequential Quadratic Programming Technique For Solving Dynamic Combined Economic Emission Dispatch Problem	Mehran university research journal of engineering and technology Vol. 40, No. 2, 371 - 382, April 2021	0254-7821
269.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2021	4	X Tan	Predictive Analysis Of Economic Chaotic Time Series Based On Chaotic Genetics Combined With Fuzzy Decision Algorithm	Complexity, Article Number 5517502, Apr. 2021	1076-2787
270.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2021	4	D Singh, JS Dhillon	Improved Directional Bat Algorithm Based Electric Power Dispatch	Electric Power Components and Systems, Vol. 48, 19-20, Page 2089-2105, Apr. 2021	1532-5008
271.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2021	3	Maamri, NChaib, RBenidir, M, Verzea, I	Risk assessment using fuzzy ahp and fuzzy top-sis hybrid approach for safe and sustainable work, case study	Acta Technica Napocensis Series-Applied Mathematics Mechanics And Engineering	1221-5872
272.	Benta D., Bologa G., Dzitac S., Dzitac I., University Level Learning and	2021	3	Ruiz, LMS, Moll-Lopez, S,	B-Learning and Technology: Enablers for University	Sustainability	2071-1050

	Teaching via E-Learning Platforms, 3rd International Conference on Information Technology and Quantitative Management, ITQM 2015 - Rio de Janeiro, Procedia Computer Science, Vol 55C, 2015, Pg 1366-1373, Proc. ISI			Morano-Fernandez, JA , Llobregat-Gomez, N	Education Resilience. An Experience Case under COVID-19 in Spain		
273.	Endrowednes Kuantama, Tiberiu Vesselenyi, Simona Dzitac, Radu Țarcă, PID and Fuzzy-PID Control Model for Quadcopter Attitude with Disturbance Parameter, International Journal Of Computers Communications & Control, ISSN 1841-9836, 12(4), pp 519-532, August 2017, factor de impact:2,293, ISI	2021	3	Shauqee, MNRajendran, PSuhadis, NM	Proportional Double Derivative Linear Quadratic Regulator Controller Using Improvised Grey Wolf Optimization Technique to Control Quadcopter	Applied sciences-basel	2076-3417
274.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2021	3	VP Sakthivel, PD Sathya	Multi-area economic environmental dispatch using multi-objective squirrel search algorithm	Evolving Systems, DOI 10.1007/s12530-021-09366-5,	1868-6478
275.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2021	3	MF Tabassum, M Saeed, NA Chaudhry, J Ali, Muhammad Farman, Sana Akram	Evolutionary simplex adaptive Hooke-Jeeves algorithm for economic load dispatch problem considering valve point loading effects	Ain Shams Engineering Journal, Volume 12, Issue 1, Pages 1001-1015	2090-4479
276.	Secui DC, Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2021	3	VP Sakthivel, PD Sathya	Multi-area economic environmental dispatch using multi-objective squirrel search algorithm	Evolving Systems, DOI 10.1007/s12530-021-09366-5	1868-6478
277.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2021	3	VP Sakthivel, PD Sathya	Multi-area economic environmental dispatch using multi-objective squirrel search algorithm	Evolving Systems, Martie 2021, DOI 10.1007/s12530-021-09366-5	1868-6478
278.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2021	3	J Zhao, H Mo	Magnetotactic bacteria optimisation algorithm with self-regulation interaction energy	International Journal of Bio-Inspired Computation, Vol. 18, Issue 3, pp 189-198, 2021	1758-0366
279.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2021	3	J Paramguru, SK Barik, AK Barisal, GDhiman, RH Jhaveri, M Alkahtani and MH Abidi	Addressing Economic Dispatch Problem with Multiple Fuels Using Oscillatory Particle Swarm Optimization	Computers, Materials & Continua, vol.69, no.3, 2021, 2863-2882	1546-2218
280.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2021	2	Hamzelou, N, Ashtiani, M , Sadeghi, R	A propagation trust model in social networks based on the A* algorithm and multi-criteria decision making	Computing	0010-485X
281.	Benta D., Bologa G., Dzitac S., Dzitac I., University Level Learning and Teaching via E-Learning Platforms, 3rd International Conference on Information Technology and Quantitative Management, ITQM 2015 - Rio de Janeiro, Procedia Computer Science, Vol 55C, 2015, Pg 1366-1373, Proc. ISI	2021	2	Rus-Casas, C, La Rubia, MDeIliche-Quesada, D , Jimenez-Castillo, G Aguilar-Pena, JD	Online Tools for the Creation of Personal Learning Environments in Engineering Studies for Sustainable Learning	Sustainability	2071-1050
282.	Secui DC; Bendea G; Dzitac S et al., A Modified Harmony Search Algorithm For The Economic Dispatch Problem., , Studies In Informatics And Control, Volume: 23, Issue: 2, Pages: 143-152, Published: Jun 2014	2021	2	M Alharthi, S Ghoneim, A Elsayed, R El-Sehiemy, AM Shaheen, A Ginidi	A Multi-Objective Marine Predator Optimizer for Optimal Techno-Economic Operation of AC/DC Grid	Studies in Informatics and Control, 30(2):89-99, 2021	1220-1766
283.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2021	2	Naderipour A, Kalam A, Abdul-Malek Z, Davoudkhani IF, Bin Mustafa MW, Guerrero JM	An Effective Algorithm for MAED Problems with a New Reliability Model at the Microgrid	Electronics, Feb. 2021, 10 (3), 257. https://doi.org/10.3390/electronics10030257	2079-9292
284.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2021	2	T Thanh Nguyen, TQ Ngo, TT Duong, TT Nguyen	Finding Radial Network Configuration of Distribution System Based on Modified Symbiotic Organisms Search	Complexity, Feb. 2021, Article Number 7135318	1076-2787
285.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2021	1	Mukhamet, T, Kobeyev, S , Nadeem, A , Memon, SA	Ranking PCMs for building facade applications using multi-criteria decision-making tools combined with energy simulations	Energy	0360-5442
286.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative	2021	1	Gopal, N, Panchal, D	A structured framework for reliability and risk evaluation in the milk process industry under fuzzy environment	Facta Universitatis-Series Mechanical Engineering	0354-2025

	Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI						
287.	Endrowednes Kuantama, Tiberiu Vesselenyi, Simona Dzitac, Radu Țarcă, PID and Fuzzy-PID Control Model for Quadcopter Attitude with Disturbance Parameter, International Journal Of Computers Communications & Control, ISSN 1841-9836, 12(4), pp 519-532, August 2017, factor de impact:2,293, ISI	2021	1	Park, DLe, TLQuynh, NVLong, NKHong, SK	Online Tuning of PID Controller Using a Multilayer Fuzzy Neural Network Design for Quadcopter Attitude Tracking Control	Frontiers in neurorobotics	1662-5218
288.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2021	1	S Kawambwa, N Hamisi, P Mafole, H Kundael	A cloud model based symbiotic organism search algorithm for DG allocation in radial distribution network	Evolutionary Intelligence, 2021, DOI 10.1007/s12065-020-00529-y	1864-5909
289.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2021	1	Dexuan Zou, Dunwei Gong	Differential evolution based on migrating variables for the combined heat and power dynamic economic dispatch	Energy, Vol. 238, Part A, Article Number 121664.	0360-5442
290.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2021	1	L Al-Bahrani, M Seyedmahmoudian, B Horan, A Stojcevski	Solving the Real Power Limitations in the Dynamic Economic Dispatch of Large-Scale Thermal Power Units under the Effects of Valve-Point Loading and Ramp-Rate Limitations	Sustainability 13(3):1274, Jan. 2021, ISSN: 2071-1050	2071-1050
291.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2020	12	Cl Yang, H Sutrisno	A clustering-based symbiotic organisms search algorithm for high-dimensional optimization problems	Applied Soft Computing, Volume 97, Part B, December 2020, 106722	1568-4946
292.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2020	12	H-S Ryu, M-K Kim	Combined Economic Emission Dispatch with Environment-Based Demand Response Using WU-ABC Algorithm	Energies, Dec. 2020, 13 (23), 6450;	1996-1073
293.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2020	11	Albahri, OS; Zaidan, AA; Salih, MM; Zaidan, BB; Khatari, MA; Ahmed, MA; Albahri, AS; Alazab, M	Multidimensional benchmarking of the active queue management methods of network congestion control based on extension of fuzzy decision by opinion score method	International Journal of Intelligent Systems	0884-8173
294.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2020	11	Salih, MM (Salih, Mahmood M.); Zaidan, BB (Zaidan, B. B.); Zaidan, AA (Zaidan, A. A.)	Fuzzy decision by opinion score method	Applied Soft Computing	1568-4946
295.	Endrowednes Kuantama, Tiberiu Vesselenyi, Simona Dzitac, Radu Țarcă, PID and Fuzzy-PID Control Model for Quadcopter Attitude with Disturbance Parameter, International Journal Of Computers Communications & Control, ISSN 1841-9836, 12(4), pp 519-532, August 2017, factor de impact:2,093, ISI	2020	11	Al-Fetyani, M ; Hayajneh, M; Alsharkawi, A	Design of an Executable ANFIS-based Control System to Improve the Attitude and Altitude Performances of a Quadcopter Drone	International Journal of Automation And Computing	1476-8186
296.	Secui DC. A Method Based On The Ant Colony Optimization Algorithm For Dynamic Economic Dispatch With Valve-Point Effects, Trans. El. Ener. Sys. Vol. 25, Issue:2, Pages: 262-287, Published: Feb 2015	2020	11	Yalcinoz, Tankut; Rudion, Krzysztof	Multi-objective Environmental-economic Load Dispatch Considering Generator Constraints and Wind Power Using Improved Multi-objective Particle Swarm Optimization	Advances in Electrical and Computer Engineering; Suceava, Vol. 20, Iss. 4, (Nov. 2020): 3-10	1582-7445
297.	Turskis, Z, Dzitac, S; Stankiuvienė, A; Sukys, R, A Fuzzy Group Decision-making Model for Determining the Most Influential Persons in the Sustainable Prevention of Accidents in the Construction SMEs, International Journal Of Computers Communications & Control, ISSN 1841-9836, Volume: 14 Issue: 1 Pages: 90-106, factor de impact: 1,585, DOI: 10.15837/ijccc.2019.2.093, ISI	2020	10	Chandrawati, TB (Chandrawati, T. B.); Ratna, AAP (Ratna, A. A. P.); Sari, RF (Sari, R. F.)	Path Selection using Fuzzy Weight Aggregated Sum Product Assessment	International Journal of Computers Communications & Control	1841-9836
298.	Benta D., Bologa G., Dzitac S., Dzitac I., University Level Learning and Teaching via E-Learning Platforms, 3rd International Conference on Information Technology and Quantitative Management, ITQM 2015 - Rio de Janeiro, Procedia Computer Science, Volume 55C, 2015, Pages 1366-1373, Proc. ISI	2020	10	Pinho, C ; Franco, M;Mendes, L	Acceptance and use of information technology: context of Portuguese universities	Information and Learning Sciences	2398-5348
299.	Benta D., Bologa G., Dzitac S., Dzitac I., University Level Learning and Teaching via E-Learning Platforms, 3rd International Conference on Information Technology and Quantitative Management, ITQM 2015 - Rio de Janeiro, Procedia Computer Science, Vol. 55C, 2015, Pag. 1366-1373	2020	10	Popa D; Repanovici A; Lupu, D; Norel M; Coman, C	Using Mixed Methods to Understand Teaching and Learning in COVID 19 Times	Sustainability	2071-1050

300.	Benta D., Bologa G., Dzitac S., Dzitac I., University Level Learning and Teaching via E-Learning Platforms, 3rd International Conference on Information Technology and Quantitative Management, ITQM 2015 - Rio de Janeiro, Procedia Computer Science, Vol. 55C, 2015, Pag. 1366-1373	2020	10	Stanca L; Lacurezeanu R; Tiron-Tudor A; Bresfelean, VP; Pandelica I	Determining IT Student Profile Using Data Mining and Social Network Analysis	International Journal Of Computers Communications & Control	1841-9836
301.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2020	10	Sakthivel VP, Suman M, Sathya PD	Large-scale economic load dispatch using squirrel search algorithm	International Journal of Energy Sector Management, Volume: 14, Issue: 6, Pages: 1351-1380, OCT 8 2020	1750-6220
302.	Sorin Nădăban, Simona Dziţac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2020	9	Bose, S (Bose, Soutrik); Nandi, T (Nandi, Titas)	Statistical and experimental investigation using a novel multi-objective optimization algorithm on a novel titanium hybrid composite developed by lens process	Proceedings of the Institution of Mechanical Engineers Part C-Journal of Mechanical Engineering Science	0954-4062
303.	Sorin Nădăban, Simona Dziţac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2020	9	Netto, AL; Salomon, VAP; Ortiz-Barrios, MA; Florek-Paszkowska, AK; Petrillo, A; De Oliveira, OJ	Multiple criteria assessment of sustainability programs in the textile industry	International Transactions In Operational Research	0969-6016
304.	Sorin Nădăban, Simona Dziţac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2020	9	Luczak, A (Luczak, Aleksandra); Kalinowski, S (Kalinowski, Slawomir)	Assessing the level of the material deprivation of European Union countries	Plos One	1932-6203
305.	Sorin Nădăban, Simona Dziţac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2020	9	Vishnu, CR; Das, SP; Sridharan, R; Kumar, PNR; Narahari, NS	Development of a reliable and flexible supply chain network design model: a genetic algorithm based approach	International Journal of Production	0020-7543
306.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2020	9	V Sakthivel, HH Goh, S Subramanian, P Sathya	Multi-Objective Squirrel Search Algorithm for Multi-Area Economic Environmental Dispatch with Multiple Fuels and Valve Point Effects	IEEE Access, 2020, 9, pp. 3988-4007	2169-3536
307.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2020	9	Z Huang, J Zhao, L Qi, Z Gao, H Duan	Comprehensive learning cuckoo search with chaos-lambda method for solving economic dispatch problems	Applied Intelligence, 2020 – Springe, Volume: 50, Issue: 9, Pages: 2779-2799, 2020	0924-669X
308.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2020	9	Mohammed A. Awadallah, Mohammed Azmi Al-Betar, Asaju La'aro Bolaji, Iyad Abu Doush, Abdelaziz I. Hammouri, Majdi Mafarja	Island artificial bee colony for global optimization	Soft Computing (2020), Volume: 24, Issue: 17, Pages: 13487-13461, Published: SEP 2020	1432-7643
309.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2020	9	A Srivastava, DK Das	A new Kho-Kho optimization Algorithm: An application to solve combined emission economic dispatch and combined heat and power economic dispatch	Engineering Applications of Artificial Intelligence, Volume: 94, Article Number: 103763	0952-1976
310.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2020	9	Sakthivel V. Ponnuvel, Suman Murugesan, Sathya P. Duraisamy	Multi-objective squirrel search algorithm to solve economic environmental power dispatch problems	International Transactions on Electrical Energy Systems, Article Number: e12635	2050-7038
311.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2020	9	FX Rugema, G Yan, S Mugemanyi, Q Jia, S Zhang	A Cauchy-Gaussian Quantum-Behaved Bat Algorithm Applied to Solve the Economic Load Dispatch Problem	Published in: IEEE Access, 2020, Volume: 9, Pages: 3207-3228	2169-3536
312.	GV Bendea, MF Prada, C Bendea, C Secui, Ground coupled heat pump systems– a key for a sustainable development of heating and cooling buildings, Proceedings of the 9th Int. Conference on Energy, Environment, Ecosystems and Sustainable Development, in: Recent Advances in Environmental Science, Lemesos, Cyprus, 2013, pp. 133-138	2020	9	Cerra D. Alberdi-Pagola, M.; Andersen, T. R. et al.	Feasibility study of collective heating and cooling based on foundation pile heat exchangers, in Vejle	Quarterly Journal Of Engineering Geology And Hydrogeology, Article Number: qjgh2020-114	1470-9236
313.	Sorin Nădăban, Simona Dziţac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2020	8	Kim, SY (Kim, Soo-Yong); Thuc, LD (Thuc, Le Dinh)	Sustainable Location Selection for Investing in Public-Private Partnership Infrastructure Projects: From a Developing Country's Perspective	Sustainability	2071-1050

314.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2020	8	El Mokrini, A (El Mokrini, Asmae); Aouam, T (Aouam, Tarik)	A fuzzy multi-criteria decision analysis approach for risk evaluation in healthcare logistics outsourcing: Case of Morocco	Health Services Management Research	0951-4848
315.	Endrowednes Kuantama, Tiberiu Vesselenyi, Simona Dzitac, Radu Țarcă, PID and Fuzzy-PID Control Model for Quadcopter Attitude with Disturbance Parameter, Int. J. Of Computers Communications & Control, ISSN 1841-9836, 12(4), pp 519-532, Aug 2017, factor de impact	2020	8	Wang, Y; Zheng, QG ; Zhang, HB ; Chen, HY	Research on Integrated Control Method for Helicopter/Turboshaft Engine with Variable Rotor Speed Based on the Error Between Engine Required and Real Output Torque	Arabian Journal For Science and Engineering	2193-567X
316.	Turskis, Z, Dzitac, S; Stankiuvienė, A; Sukys, R, A Fuzzy Group Decision-making Model for Determining the Most Influential Persons in the Sustainable Prevention of Accidents in the Construction SMEs, International Journal Of Computers Communications & Control, ISSN 1841-9836, Volume: 14 Issue: 1 Pages: 90-106, factor de impact: 1,585, DOI: 10.15837/ijccc.2019,2,093, ISI	2020	8	Tsolas, IE (Tsolas, Ioannis E.)	Financial Performance Assessment of Construction Firms by Means of RAM-Based Composite Indicators	Mathematics	2227-7390
317.	Dzitac, S, Vesselenyi, T, Popper, L, Moga, I, Secui, CD, Fuzzy Algorithm for Human Drowsiness Detection Devices, Studies In Informatics And Control, Volume: 19 Issue: 4 Pages: 419-426 Published: DEC 2010	2020	8	Y Bouteraa, IB Abdallah, A ElMogy, A Ibrahim, Usman Tariq, Tariq Ahmad	A Fuzzy Logic Architecture for Rehabilitation Robotic Systems	International Journal of Computers Communications & Control, vol. 15, n. 4, Aug 2020. ISSN 1841-9844	1841-9836
318.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2020	8	RS Patwal, N Narang	Multi-objective generation scheduling of integrated energy system using fuzzy based surrogate worth trade-off approach	Renewable Energy, Volume: 156, Pages: 864-882, Published: AUG 2020	0960-1481
319.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2020	8	C Chen, D Zou, C Li	Improved Jaya Algorithm for Economic Dispatch Considering Valve-Point Effect and Multi-Fuel Options	IEEE Access, Volume: 8, Pages: 84981-84995	2169-3536
320.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2020	8	V Suresh, S Sreejith, SK Sudabattula, SHC Cherukuri,	Stochastic Economic Dispatch incorporating Commercial Electric Vehicles and Fluctuating Energy Sources	Published in: IEEE Access, 2020, Volume: 8, Pages: 216348-216332	2169-3536
321.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2020	8	M Ellahi, G Abbas	A Hybrid Metaheuristic Approach for the Solution of Renewables-Incorporated Economic Dispatch Problems	IEEE Access, 2020, Volume: 8, Pages: 127621-127608	2169-3536
322.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2020	7	Kumar, G (Kumar, Gaurav); Parimala, N (Parimala, N.)	An Integration of Sentiment Analysis and MCDM Approach for Smartphone Recommendation	International Journal of Information Technology & Decision Making	0219-6220
323.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2020	7	Ye, XD; Chen, B; Lee, K; Storesund, R; Zhang, BY	An integrated offshore oil spill response decision making approach by human factor analysis and fuzzy preference evaluation	Environmental Pollution	0269-7491
324.	Secui DC, The chaotic global best artificial bee colony algorithm for the multi-area economic/emission dispatch. Energy, Vol. 93, Part 2, 15 December 2015, Pages 2518-2545, ISSN: 0360-5442	2020	7	Azizivahed, Ali; Arefi, Ali; Naderi, Ehsan, et. al..	, An Efficient Hybrid Approach to Solve Bi-objective Multi-area Dynamic Economic Emission Dispatch Problem	Electric Power Components And Systems Volume: 48, Issue: 4-5, Pages: 485-500, Published: JUL 28 2020	1532-5008
325.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2020	7	Mr Madadi, S Akbarifard, K Qaderi	Improved Moth-Swarm Algorithm to predict transient storage model parameters in natural streams	Environmental Pollution, Volume: 262, Pages: Article No.: 114258, Published: 2020	0269-7491
326.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2020	7	Cy Lee, M Tuegeh	An Optimal Solution For Smooth And Non-Smooth Cost Functions-Based Economic Dispatch Problem	Energies, Volume: 13, Issue: 14, Article Number: 3721, Published: JUL 2020	1996-1073
327.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2020	7	Mohd Herwan SULAIMAN, Zuriani MUSTAFFA, Mohd Mawardi SAARI	Using the Barnacles Mating Optimizer for Economic Emission Load Dispatch Problems	PRZEGLĄD ELEKTROTECHNICZNY, Volume: 96, Issue: 7, R. 96 NR 7/2020	0033-2097
328.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and	2020	7	Azizivahed, Ali; Razavi, Seyed-Ehsan; Arefi, Ali s.a,	Risk-Oriented Multi-Area Economic Dispatch Solution With High Penetration of Wind Power Generation and	IEEE Transactions On Sustainable Energy, Volume:	1949-3029

	Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904				Compressed Air Energy Storage System	11, Issue: 3, Pages: 1578-1569	
329.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2020	7	Hafiz Muhammad Awais, Tahir Nadeem Malik, Aftab Ahmad	Artificial Algae Algorithm with Multi-Light Source Movement for Economic Dispatch of Thermal Generation	Mehran Univ. Research Journal of Engineering and Technology Vol. 39, No. 3, 564 - 582	0254-7821
330.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2020	6	Rolka, L; Mieszkowicz-Rolka, A; Drupka, G	Multicriteria decision-making in flight route selection	Aircraft Engineering And Aerospace Technology	1748-8842
331.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2020	6	Ozdogan S, Yildizbasi, A; Rouyendegh, BD	Performance evaluation of municipal services with fuzzy multi-criteria decision making approaches: a case study from Turkey	SN Applied Sciences	2523-3963
332.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2020	6	Masdari, M (Masdari, Mohammad); Khezri, H (Khezri, Hemn)	Efficient offloading schemes using Markovian models: a literature review	Computing	0010-485X
333.	Endrowednes Kuantama, Tiberiu Vesselenyi, Simona Dzitac, Radu Țarcă, PID and Fuzzy-PID Control Model for Quadcopter Attitude with Disturbance Parameter, International Journal Of Computers Communications & Control, ISSN 1841-9836, 12(4), pp 519-532, August 2017, factor de impact:2.093, ISI	2020	6	Emile, O (Emile, O.); Emile, J.; Brousseau, C (Brousseau, C.)	Rotational Doppler shift upon reflection from a right angle prism	Applied Physics	0003-6951
334.	Turskis, Z, Dzitac, S; Stankiuvienė, A; Sukys, R, A Fuzzy Group Decision-making Model for Determining the Most Influential Persons in the Sustainable Prevention of Accidents in the Construction SMEs, International Journal Of Computers Communications & Control, ISSN 1841-9836, Volume: 14 Issue: 1 Pages: 90-106, factor de impact: 1.585, DOI: 10.15837/ijccc.2019.2.093, ISI	2020	6	Yang, CH (Yang, Chih-Hao); Lee, KC (Lee, Kuen-Chang)	Developing a strategy map for forensic accounting with fraud risk management: An integrated balanced scorecard-based decision model	Evaluation and Program Planning	0149-7189
335.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2020	6	Wt El-Sayed, Ef El-Saadany, Hh Zeineldin, A Saad Al-Sumaiti	Fast initialization methods for the nonconvex economic dispatch problem	Energy, Volume: 201, Article Number: 117635, Published: JUN 15 2020	0360-5442
336.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2020	6	M Ghasemi, If Davoudkhani, E Akbari	A novel and effective optimization algorithm for global optimization and its engineering applications: Turbulent Flow of Water-based Optimization (TFWO)	Engineering Applications of Artificial Intelligence, Vol. 92, June 2020, 103666	0952-1976
337.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2020	6	Sakthivel VP; Suman M; Sathya PD	Squirrel search algorithm for economic dispatch with valve-point effects and multiple fuels	Energy Sources: Part B- Economics Planning And Policy, 15(6), Pages: 351-382	1556-7249
338.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2020	6	S Duman, J Li, L Wu, U Guvenc	Optimal power flow with stochastic wind power and FACTS devices: a modified hybrid PSO-GSA with chaotic maps approach	Neural Computing and Applications, Vol.: 32, Issue: 12, p: ,8492-8463JUN 2020	0941-0643
339.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2020	6	V.P. Sakthivel, M. Suman, PD Sathya	Squirrel search algorithm for economic dispatch with valve-point effects and multiple fuels	Energy Sources, Part B: Economics, Planning, and Policy, Vol 15(6), Pages: 351-382, Published: JUN 2 2020	1556-7249
340.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2020	6	A Sundaram	Multiobjective multi-verse optimization algorithm to solve combined economic, heat and power emission dispatch problems	Applied Soft Computing, Volume: 91, Article Number: 106195	1568-4946
341.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2020	6	WT El-Sayed, EF El-Saadany, HH Zeineldin, A Saad Al-Sumaiti	Fast initialization methods for the nonconvex economic dispatch problem	Energy, Volume: 201, Article Number: 117635	0360-5442
342.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2020	6	A Aurasopon, C Takeang	Hybrid of Lambda Iteration and Meta-Heuristic Methods for Solving Economic Dispatch Problem	Przegląd Elektrotechniczny, Volume: 96, Issue: 6, Pages: 26-32	0033-2097
343.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The	2020	6	M Suman, VP Sakthivel	Coulomb's and Franklin's Laws Based Optimization for	International Energy Journal,	1513-718X

	Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904				Nonconvex Economic and Emission Dispatch Problems	Volume: 20, Issue: 2, Pages: 225-238	
344.	Kaklauskas A., Zavadskas E.K., Banaitis A., Meidute-Kavaliauskiene I., Liberman A., Simona Dzitac, Ubarte I., Binkyte A., Cerkasauskas J., A. Kuzminske, A. Naumcik, A Neuro-Advertising Property Video Recommendation System, Technological Forecasting & Social Change, ISSN: 0040-1625, Vol 131, June 2018, pp. 78-93, factor de impact 5,846	2020	5	Kaklauskas A, Abraham A; Dzemyda G, Raslanas S, Seniut M; Ubarte I; Kurasova, O; Binkyte-Veliene A; Cerkasauskas, J	Emotional, affective and biometrical states analytics of a built environment	Engineering Applications of Artificial Intelligence	0952-1976
345.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2020	5	S Pan, J Jian, H Chen, L Yang	A full mixed-integer linear programming formulation for economic dispatch with valve-point effects, transmission loss and prohibited operating zones	Electric Power Systems Research, Volume: 180, Article Number: 106061, Published: MAR 2020	0378-7796
346.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2020	5	V Kansal, Js Dhillon	Emended salp swarm algorithm for multiobjective electric power dispatch problem	Applied Soft Computing, Vol. 90, May 2020, 106172	1568-4946
347.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2020	5	A Sundaram	Multiobjective multi-verse optimization algorithm to solve combined economic, heat and power emission dispatch problems	Applied Soft Computing, Volume: 91, Article Number: 106195, Published: JUN 2020	1568-4946
348.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2020	5	V Kansal, JS Dhillon	Emended salp swarm algorithm for multiobjective electric power dispatch problem	Applied Soft Computing, Vol. 90, 2020, 106172	1568-4946
349.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2020	4	D Dinh-Cong, T Nguyen-Thoi, Dt Nguyen	A FE model updating technique based on SAP2000-OAPI and enhanced SOS algorithm for damage assessment of full-scale structures	Applied Soft Computing, Volume: 89, Article Number: 106100, Published: APR 2020	1568-4946
350.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2020	4	Latifa Dekhici, Khaled Guerraiche and Khaled Belkadi	Environmental Economic Power Dispatch Using Bat Algorithm with Generalized Fly and Evolutionary Boundary Constraint Handling Scheme	International Journal of Applied Metaheuristic Computing, Vol. 11, Issue: 2, pp: 191-171, Apr. 2020	1947-8283
351.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2020	3	Kacprzak, D (Kacprzak, Dariusz)	An extended TOPSIS method based on ordered fuzzy numbers for group decision making	Artificial Intelligence REVIEW	0269-2821
352.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2020	3	Akram, M (Akram, Muhammad); Shumaiza (Shumaiza); Arshad, M (Arshad, Maham)	Bipolar fuzzy TOPSIS and bipolar fuzzy ELECTRE-I methods to diagnosis	Computational & Applied Mathematics	2238-3603
353.	Endrowednes Kuantama, Tiberiu Vesselenyi, Simona Dzitac, Radu Țarcă, PID and Fuzzy-PID Control Model for Quadcopter Attitude with Disturbance Parameter, Int. J. Of Computers Communications & Control, ISSN 1841-9836, 12(4), pp 519-532, Aug 2017, factor de impact	2020	3	Li, Z (Li, Zhi); Ma, X (Ma, Xin); Li, YB (Li, Yibin)	Robust trajectory tracking control for a quadrotor subject to disturbances and model uncertainties	International Journal of Systems	0020-7721
354.	Turskis, Z, Dzitac, S; Stankiuvienė, A; Sukys, R, A Fuzzy Group Decision-making Model for Determining the Most Influential Persons in the Sustainable Prevention of Accidents in the Construction SMEs, International Journal Of Computers Communications & Control, ISSN 1841-9836, Volume: 14 Issue: 1 Pages: 90-106, factor de impact: 1,585	2020	3	Paul, M; Negahban-Azar, M; Shirmohammadi, A; Montas, H	Assessment of agricultural land suitability for irrigation with reclaimed water using geospatial multi-criteria decision analysis	Agricultural Water Management	0378-3774
355.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2020	3	Farhad Soleimani Gharehchopogh, Human Shayanfar, Hojjat Gholizadeh	A comprehensive survey on symbiotic organisms search algorithms	Artificial Intelligence Review, Volume: 53, Issue: 3, Pages: 2265-2312	0269-2821
356.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2020	2	Singh, M; Pant, M; Godiyal, RD; Sharma, AK	MCDM approach for selection of raw material in pulp and papermaking industry	Materials and Manufacturing	1042-6914
357.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2020	2	G Bhargava, NK Yadav	Solving combined economic emission dispatch model via hybrid differential evaluation and crow search algorithm	Evolutionary Intelligence, Feb 2020 – Springer	1864-5909

358.	Secui DC. A Hybrid Particle Swarm Optimization Algorithm for the Economic Dispatch Problem. Majlesi Journal of Electrical Engineering, Vol. 9, No. 1, March 2015	2020	2	A Ariyarit, M Kanazaki, S Bureerat	An Approach Combining an Efficient and Global Evolutionary Algorithm with a Gradient-Based Method for Airfoil Design Problems	Smart Science, 8(1), Feb 2020, pp. 14-23, Taylor & Francis	2308-0477
359.	Secui DC. A Hybrid Particle Swarm Optimization Algorithm for the Economic Dispatch Problem. Majlesi Journal of Electrical Engineering, Vol. 9, No. 1, March 2015	2020	2	A Ariyarit, M Kanazaki, S Bureerat	An Approach Combining an Efficient and Global Evolutionary Algorithm with a Gradient-Based Method for Airfoil Design Problems	Smart Science, 8(1), Feb 2020, pp. 14-23, Taylor & Francis	2308-0477
360.	Sorin Nădăban, Simona Dzitac, Ioan Dzitac, Fuzzy TOPSIS: A General View, Procedia Computer Science, Volume 91, 2016, Pages 823–831, 4th International Conference on Information Technology and Quantitative Management (ITQM), Asan, Korea, 2016, Elsevier, Proc. ISI	2020	1	Muravev, D; Hu, H (Hu, Hao); Zhou, HS; Pamucar, D (Pamucar, Dragan)	Location Optimization of CR Express International Logistics Centers	Symmetry-Basel	2073-8994
361.	Secui DC. A modified Symbiotic Organisms Search algorithm for large scale economic dispatch problem with valve-point effects. Energy, Volume 113, 15 October 2016, Pages 366–384, ISSN: 0360-5442	2020	1	Abdullahi, Mohammed; Ngadi, Md Asri; Dishing, Salihu Idi; Et Al	A survey of symbiotic organisms search algorithms and applications	Neural Computing & Applications, Volume: 32, Issue: 2, Special Issue: SI, Pages: 547-566, Published: JAN 2020	0941-0643
362.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2020	1	A Goudarzi, Y Li, J Xiang	A hybrid non-linear time-varying double-weighted particle swarm optimization for solving non-convex combined environmental economic dispatch problem	Applied Soft Computing, Volume: 86, Article Number: 105894	1568-4946
363.	Secui DC., Large-scale multi-area economic/emission dispatch based on a new symbiotic organisms search algorithm, Energy Conversion and Management, Vol. 154 (Decembrie 2017), pp. 203-223, ISSN 0196-8904	2020	1	A Sundaram,	Combined Heat and Power Economic Emission Dispatch Using Hybrid NSGA II-MOPSO Algorithm Incorporating an Effective Constraint Handling Mechanism	IEEE Access (Vol. 8), Electronic, Publisher: IEEE	2169-3536
364.	Secui DC. A New Modified Artificial Bee Colony Algorithm For The Economic Dispatch Problem, Energy Conversion and Management, Vol. 89, Pages: 43-62, Published: Jan 1 2015, ISSN 0196-8904	2020	1	C Fu, S Zhang, KH Chao	Energy Management of a Power System for Economic Load Dispatch Using the Artificial Intelligent Algorithm	Electronics, Vol. 9, No.1, 2020	2079-9292

Obs. Toate date din tabel sunt pe propria raspundere a membrilor centrului

4.2. Brevete de invenție

4.2.1 Numar de brevete (x30 puncte): 0

Nr. crt.	Data acordarii		Autor(i)	Denumire brevet	Institutia care a acordat brevetul	Tip brevet
	An	Luna				
1						

Obs. Toate date din tabel sunt pe propria raspundere a membrilor centrului

4.2.2 Numar de citari de brevete in sistemul ISI (x 5 puncte):0

Nr. crt.	Data acordarii		Autor(i)	Denumire brevet	Institutia care a acordat brevetul	Tip brevet
	An	Luna				
1			-	-	-	-

4.3. Produse, tehnologii, studii:0

Nr. crt.	Data acordarii		Tip (produs, tehnologie, studiu, serviciu)	Denumire	Institutia utilizatoare	Numarul contractului
	An	Luna				
1.				-	-	-

5. CRITERII SECUNDARE DE PERFORMANȚĂ

5.1. Lucrări publicate în reviste de specialitate fără cotație ISI, punctaj 14x 5 puncte= 70 puncte

Nr. crt.	Data publicării		Autor(i)	Titlul lucrării	Revista	ISSN	Tipul revistei
	An	Luna					
1.	2024	06	Bunda Ș	Specific aspects in the design of hybrid systems powering the telecommunications towers	Journal of Sustainable Energy, Vol 15, No 1, Oradea 2024 https://energy-cie.ro/content/view/145/1/	2284-6999	CNCSIS B+
2.	2024	10	Cîmpan M., Albuș-Dana	Study on Optimizing the Operating Configuration of Bihor Power System- 110 kV	The 17th International Conference Interdisciplinarity in Engineering, Inter-Eng 2023 Conference Proceedings - Volume 2, pp. 584-593, SPRINGER NATURE 2024 https://link.springer.com/book/10.1007/978-3-031-54671-6?page=3#toc	2367-3370	BDI: Springer
3.	2024	10	Albuș-Dana D., Cîmpan M.	Research on the Assessment of the Operational Reliability of Bihor Power System 110 kV	The 17th International Conference Interdisciplinarity in Engineering, Inter-Eng 2023 Conference Proceedings - Volume 2, pp. 536-545, SPRINGER NATURE 2024 https://link.springer.com/book/10.1007/978-3-031-54671-6?page=3#toc	2367-3370	BDI: Springer
4.	2024	01	Bendea G., Roșca M., Albuș-Dana D., Blaga A., Meianu D., Moldovan V., Rancov N., Rencsik, O.	Optimization of a Prototype Biomass System	Journal of Sustainable Energy, Volume 15, No. 1, June, 2024, pp. 13-17, https://energy-cie.ro/content/view/145/1/	2067-5534	CNCSIS B+
5.	2023	06	Bendea G., Rosca M., Albuș-Dana D., Blaga A., Meianu D., Moldovan V., Rancov N., Rencsik O.	Energy efficiency analysis of a biomass system through monitoring of relevant parameters	Journal of Sustainable Energy, Vol 14, No 2, Oradea, 2023; https://energy-cie.ro/content/view/144/1/	2284-6999	CNCSIS B+
6.	2023	03	Bunda Ș	Influence factors on design and cost of the PV based water pumping system for rural	Journal of Sustainable Energy, Vol 14, No 1, Oradea, 2023; https://energy-cie.ro/content/view/143/1/	2284-6999	CNCSIS B+
7.	2022	03	Bunda Ș.	Assessing the Feasibility of Using The Solar Resource to Power a Remote Agricultural Consumer in Bihor County	Journal of Sustainable Energy, Vol 13, No.1, Oradea 2022; https://energy-cie.ro/content/view/141/1/	2284-6999	CNCSIS B+
8.	2021	03	Bunda Ș	Assessing the performances of a PV-hybrid system using combined dispatch strategy	Journal of Sustainable Energy, Vol 12, No.1, Oradea 2021; https://energy-cie.ro/content/view/139/1/	2284-6999	CNCSIS B+
9.	2021	03	Felea I, Rancov N, Albuș-Dana D, Moldovan V, Meianu D	Energy Performance Level Analysis of a Brick Manufacturing Process	Journal of Sustainable Energy, Vol 12, No.1, Oradea 2021; https://energy-cie.ro/content/view/139/1/	2284-6999	CNCSIS B+
10.	2021	04	Bendea C., Bendea G.	Oradea – Best Practice Example for Implementing Energy Efficiency Projects Using European Grants	EMERG, Volume VII, Issue 2 https://emerg.ro/files/oradea-best-practice-example-for-implementing-energy-efficiency-projects-using-european-grants/	2668-7003	EBSCO, Index Copernicus International
11.	2021	12	Secui DC, Bendea G, Secui ML, Hora C, Bendea C	The Chaotic Social Group Optimization for the Economic Dispatch Problem	International Journal of Intelligent Engineering and Systems, Volume 14, Issue 6, Dece. 2021, pp. 666–677; https://inass.org/wp-content/uploads/2021/10/2021123159.pdf	2185-3118	Scopus

12.	2020	05	Bunda Serban	Behavior analysis of a hybrid power system under two energy management strategies	Journal of Sustainable Energy; https://energy-cie.ro/content/view/137/1/	2284-6999	CNCSIS B+
13.	2020	Vol. XI-1	Felea. I., Rancov N., Albut Dana D.	Energy Performance Level Identification Of A Mixed Fodder Factory	Journal of Sustainable Energy (JSE); https://energy-cie.ro/content/view/138/1/	2067-5534	CNCSIS B+
14.	2020	08	Secui DC, Dzitac S, Bunda SI	The Enhanced Crow Search Algorithm for Fuel-Cost Function Parameters Assessment of the Cogeneration Units from Thermal Power Plants	Soft Computing Applications. (SOFA) (publicat in aug. 2020). Advances in Intelligent Systems and Computing (Eds: Balas V, Jain L, Balas M, Shahbazova S), vol 1221, Springer, Cham; http://dx.doi.org/10.1007/978-3-030-51992-6_3	2194-5357	BDI: Springer

Obs. Toate date din tabel sunt pe propria raspundere a membrilor centrului

5.2. Lucrări științifice prezentate la conferințe internaționale cu comitet de program; nr. total lucrari: 22; punctaj: 22 x 5 puncte = 110 puncte

Nr. crt.	Data publicării		Autorii	Titlul lucrării	Conferința
	An	Luna			
1.	2024	11	A. Badulescu, C.V. Toca, S. Dzitac, S.A. Bodog, D. Badulescu, M. Breban	Pursuing a 'minor in sustainability': Which are the students' motivators? The case of the University of Oradea	ICERI2024 - International Education Conference in Spain ICERI2024 - International Education Conference in Spain, 11-13 November
2.	2024	11	D. Badulescu, S.A. Bodog, S. Dzitac, C.V. Toca, A. Badulescu	Students' perception regarding the impact of ai in education and career prospects	ICERI2024 - International Education Conference in Spain ICERI2024 - International Education Conference in Spain, 11-13 November
3.	2024	10	Cristian-Dragos Dumitru, Adrian Gligor, Ilie Vlasa, Simona Dzitac, Attila Simo	Solar photovoltaic systems challenge in industrial network installations	The 13th IEEE International Conference and Exposition on Electrical and Power Engineering (EPEI 2024): EPEI – EPEI, an IEEEIA Conference
4.	2023	11	R. Simut, C. Simut, S. Dzitac	Exploring students' perceptions of sustainable universities: A case study from the University of Oradea, Romania	16th annual International Conference of Education, Research and Innovation ICERI2023 Proceedings - Browsing Publication
5.	2023	10	Bendea C, Bendea G, Hora C, Dan F, Pop L	District Heating System of Oradea City – Sustainable Development and Perspectives	International Conference on Energy and Environment (CIEM), București, Romania, 26-27 Oct. 2023; http://ciem.upb.ro/2023/s4.html
6.	2023	10	Dan F, Hora C, Bendea G, Bendea C	Wind Power Generation Forecasting	International Conference on Energy and Environment (CIEM), București, Romania, 26-27 Oct. 2023; http://ciem.upb.ro/2023/s4.html
7.	2023	09	Badea GE, Dzitac S, Liana Marin, Petrehele AIG, Badea PG, Porumb C,	An Investigation on the electrochemical behavior of steel in the presence of an Eco-inhibitor	17th International Conference on Engineering of Modern Electric Systems, EMES 2023, DOI: 10.1109/EMES58375.2023.10171763, BDI (Scopus, IEE); http://dx.doi.org/10.1109/EMES58375.2023.10171763
8.	2023	11	Eleonora Desnica, Višnja Mihajlović, Simona	International activities of mechanical engineering students at	Proceedings of the XIII International Conference - Industrial Engineering and Environmental Protection (IIZS 2023), October 5-6, 2023, Zrenjanin, Serbia, ISBN 978-86-

			Dzitac , Jasmina Pekez,	the Technical Faculty "Mihajlo Pupin" Zrenjanin	7672-368-3; http://147.91.177.109/iizs/files/IIZS%202023%20Proceedings%20Final.pdf
9.	2023	08	Attila Simo, Simona Dzitac , Adrian Augustin Pocola, Mihaela Frigura-Iliasa, Flaviu Mihai Frigura-Iliasa	Digital Air Quality Monitoring System on an Urban and Industrial Area	Soft Computing Applications, Proceedings of the 9th International Workshop on Soft Computing Applications (SOFA 2020), ISBN 978-3-031-23635-8 ISBN 978-3-031-23636-5 (eBook) https://doi.org/10.1007/978-3-031-23636-5_2023 , BDI; https://link.springer.com/chapter/10.1007/978-3-031-23636-5_30
10.	2023	08	Florian Iulian Crisovan, Attila Simo, Mihaela Frigura-Iliasa, Flaviu Mihai Frigura-Iliasa, Simona Dzitac	Fuzzy Logic Based Diagnostic System for High Voltage Devices	Soft Computing Applications, Proceedings of the 9th International Workshop on Soft Computing Applications (SOFA 2020), ISBN 978-3-031-23635-8 ISBN 978-3-031-23636-5 (eBook) https://doi.org/10.1007/978-3-031-23636-5_2023 , BDI; https://link.springer.com/chapter/10.1007/978-3-031-23636-5_4
11.	2022	12	A Simo, S Dzitac , FM Frigura-Iliasa, M Frigura-Iliasa, A Pocola, VM Ionescu	High Voltage Device Design and Predictive Maintenance Software based on Fuzzy-Logic	9th International Conference on Information Technology and Quantitative Management; https://www.sciencedirect.com/science/article/pii/S1877050922020336?via%3Dihub
12.	2022	12	A Simo, S Dzitac , FM Frigura-Iliasa, M Frigura-Iliasa, D Meianu, VM Ionescu	Fuzzy-Logic Controller for Smart Drives	9th International Conference on Information Technology and Quantitative Management; https://www.sciencedirect.com/science/article/pii/S1877050922020348?via%3Dihub
13.	2022	09	S Dzitac , A Cheregi, A Simo, GE Badea	Digitization of the Characteristic Parameters of a Greenhouse in Order to Streamline Energy Consumption	9th International Conference on Computers Communications and Control (ICCCC) 2022; https://link.springer.com/chapter/10.1007/978-3-031-16684-6_11
14.	2022	09	A Simo, S Dzitac	Energy-Efficient Wireless Sensor Networks for Greenhouse Management	9th International Conference on Computers Communications and Control (ICCCC) 2022; https://link.springer.com/chapter/10.1007/978-3-031-16684-6_10
15.	2021	10	Felea Ioan, Moldovan Vasile, Meianu Dragos, Rancov Nicolae	Functional optimization resources of a construction materials manufacturing company	10th International Conference on Energy and Environment, 14 - 15 October 2021; https://ieeexplore.ieee.org/document/9614787
16.	2021	10	Dan Florin, Cristina Hora , Gabriel Bendea	Short-term Forecasting of Wind Power Generation	2021 International Conference on Energy and Environment (CIEM 2021), București, Romania, Date of Conference: 14-15 Oct. 2021, Publisher: IEEE, ISBN: 978-1-7281-1532-0 (BDI: IEEEExplore); https://ieeexplore.ieee.org/document/9614935
17.	2021	12	Dan FC, Hora C. , Gligor E, Majoros NT	Identification of Load Profiles for Rural and Urban Consumers in Bihor County, Romania	Proceedings of The National Technical Scientific Conference „MODERN TECHNOLOGIES FOR THE 3RD MILLENIUM”, 20 th Edition, Oradea, Romania, 9 th December 2021, ISBN 978-88-7587-724-8; https://www.mdpi.com/1996-1073/15/1/291
18.	2021	05	M S Lolea, E M Barla , D T Negrea and A A Minda	A Fuzzy way to evaluate the electricity availability into hydrogen plants with photovoltaic panels	International Conference on Applied Sciences – ICAS 2021, Hunedoara, Romania; https://icas.fih.upt.ro/icas.science/forms/Program_ICAS2021.pdf
19.	2021	05	M S Lolea, E M Barla , D T Negrea and A A Minda	Contribution of electricity from renewable energy sources to obtain ecological hydrogen	International Conference on Applied Sciences – ICAS 2021, Hunedoara, Romania; https://icas.fih.upt.ro/icas.science/forms/Program_ICAS2021.pdf

20.	2020	09	Barla, E., Dziţac, S., Carja, V.	Modelling a Photovoltaic Power Station	Proceedings of the 8 th International Workshop Soft Computing Applications (SOFA) Vol.1, pp. 41-47, First Online 15 August 2020, DOI https://doi.org/10.1007/978-3-030-51992-6_4 , Publisher Springer Charm, Print ISBN 978-3-030-51991-9, ISI Proceedings; https://link.springer.com/chapter/10.1007/978-3-030-51992-6_4
21.	2020	08	Dzitac I., Dzitac S., Filip F.G., Manolescu MJ.	Redesign of a Conference from In-Person to Online. Case Study: ICCCC	Intelligent Methods in Computing, Communications and Control. ICCCC 2020. Advances in Intelligent Systems and Computing, vol 1243. Springer, Cham. https://doi.org/10.1007/978-3-030-53651-0_1 ; https://link.springer.com/chapter/10.1007/978-3-030-53651-0_1
22.	2020	08	Frigura-Iliasa M., Simo A., Dzitac S., Frigura-Iliasa F.M., Baloi F.I.	Fuzzy-Logic Based Diagnosis for High Voltage Equipment Predictive Maintenance	Intelligent Methods in Computing, Communications and Control. ICCCC 2020. Advances in Intelligent Systems and Computing, vol 1243. Springer, Cham. https://doi.org/10.1007/978-3-030-53651-0_21 ; https://link.springer.com/chapter/10.1007/978-3-030-53651-0_21

Obs. Toate date din tabel sunt pe propria raspundere a membrilor centrului

5.3. Modele, prototipuri normative, proceduri:0

Nr. crt.	Data publicarii		Tip	Autor	Denumire
	An	Luna			
-	-	-	-	-	-

6. PRESTIGIUL PROFESIONAL

6.1.	Membrii (incluzand statutul de recenzor) in colectivele de redactie ale unor reviste (cotate ISI sau incluse in baze de date internationale) sau in colectivele editoriale ale unor edituri internationale recunoscute (conform Anexa 6.1.); 81 realizari x 20 puncte = 1620 puncte
	1). Felea Ioan – Editor șef până în Noiembrie 2023, Journal of Sustainable Energy (BDI) (fara punctaj); 2). Bendea Gabriel–Editor șef din Noiembrie 2023 (Journal of Sustainable Energy) (BDI), 2020-2024; (2x 20p=40) 3). Bendea Gabriel–Membru/recenzor in editorial board: Journal of Sustainable Energy (BDI), 2020-2024; (5x20p=100); 4). Bendea Gabriel – Membru/recenzor în comitetul științific internațional al 9th, 10th și 11th International Conference on Energy and Environment, Timișoara 2019 și București, 2021 și 2023 (3x20p=60); 5). Bendea Gabriel – Recenzor la 13th International Conference on Electromechanical and Energy Systems, Iași, 2021 (1x20p=20); 6). Secui Călin – Membru in editorial board și Recenzor în 2020-2024: Journal of Sustainable Energy (BDI); (5x20p=100) 7). Secui Calin – Recenzor in International Journal of Electrical Power and Energy Systems (2020-2021), Neural Computing and Applications (2020 -2024), Int. Trans. El. Ener. Sys (ITEES) (2021, 2022), Applied Soft Computing (2021), Expert Systems With Applications (2020, 2021, 2022), Recenzor IEEE Access (2022, 2023, 2024)(6x20p=120); 8). Hora Cristina-Membru in editorial board (și recenzor): Journal of Sustainable Energy (BDI), 2020-2024. (5x20p=100); 9). Dzitac Simona – Editor șef IJCCC /International Journal of Computers, Communications&Control (ISI) 2021-2024: (4x20p=80); 10). Dzitac Simona - Recenzor la IJCCC /International Journal of Computers, Communications&Control (ISI) din 2013: 2020 - 2024; (5x20p=100); 11). Dzitac Simona - Editor asociat - Annals of Faculty Engineering Hunedoara – International Journal of Engineering (BDI), din 2013: 2020–2024 (5x20p=100); 12). Dzitac Simona - Editor - Acta Technica Corviniensis–Bulletin Of Engineering, (BDI): 2020–2024 (5x20p=100); 13). Dzitac Simona - Membră în Editorial Board la Revista International Journal of Advanced Intelligence Paradigms, ISSN online: 1755-0394, ISSN print: 1755-0386, Indexată BDI: Scopus, 2020÷2024 (5x20p=100); 14). Dzitac Simona - Editor la revista ISI Technological and Economic Development of Economy 2022-2024 (3x20p=60); 15). Dzitac Simona-Membru in editorial board (și recenzor): Journal of Sustainable Energy (BDI), 2020-2024. (5x20p=100); 16). Dzitac Simona-Membru in editorial board (și recenzor): Advanced Engineering Letters (BDI), 2023-2024, (2x20p=40); 17). Dzitac Simona-International Conference on Information Technology and Quantitative Management (ITQM 2023) – membră în comitetul de organizare, Publications and Proceedings Chairs: Yingjie Tian and Simona Dzitac, coorganizatoare secțiune specială, Oxford, August 12-14, 2023 (1x20p=20); 18). Dzitac Simona-International Conference - Industrial Engineering and Environmental Protection (IIZS 2023), October 5-6, 2023, Zrenjanin, Serbia - membră în comitetul științific internațional (1x20p=20); 19). Dzitac Simona- 9th International Conference On Computers Communications and Control (ICCCC), 2022, General Chair & Editor Pros Springer (1x20p=20); 20). Dzitac Simona- 10th International Conference On Computers Communications and Control (ICCCC), 2024, General Chair (1x20p=20); 21). Publications and Proceedings Chair: Simona Dzitac, ITQM 2024, August 23-25, Bucuresti, Romania (1x20p=20); 22). Albut-Dana Daniel–Membru in Conducerea executiva a Journal of Sustainable Energy (BDI), 2020-2024; (5x20p=100) 23). Bunda Serban - Membru in Conducerea executiva a Journal of Sustainable Energy (BDI), 2020-2024. (5x20p=100); 24). Moldovan Vasile–Membru in Conducerea executiva a Journal of Sustainable Energy (BDI), 2020-2024. (5x20p=100).
6.2.	Membrii in colectivele de redactie ale revistelor recunoscute national - categ. B (x 10 puncte)
6.3.	Premii internationale obtinute printr-un proces de selectie
6.4.	Premii nationale sau ale Academiei Romane (x 20)
6.5.	Conducatori de doctorat membrii ai unitatii de cercetare: 1 x 10 puncte = 10
	1
6.6.	Numar de doctori in stiinta membrii ai unitatii de cercetare 13 x 10 puncte=130
	13

Obs. Toate date din tabel sunt pe propria raspundere a membrilor centrului

7. VENITURI REALIZATE PRIN CONTRACTE DE CERCETARE

7.1.	Numarul si valoarea contractelor de cercetare internationale finantate din fonduri publice	
	Contract/Tema/Perioada	Valoare (Euro)
	1. Proiectul Erasmus+ 2023-1-ES01-KA220-HED-000157440, Titlul proiectului: Supporting Entrepreneurship in Eco Design-FASHION.ED, Durata: 20.02.2024 - 31.10.2025, Dzitac S. Funcția în cadrul proiectului: expert;	

7.2.	Numarul si valoarea contractelor de cercetare internationale finantate din fonduri private	
	Contract/Tema/Perioada	Valoare (Euro)
	-	-
7.3.	Numarul si valoarea contractelor de cercetare nationale finantate din fonduri publice	
	Contract/Tema/Perioada	Valoare (RON)
	Granturi nationale	
	1.Cercetare și inovare interdisciplinară utilizând tehnologii sustenabile, cod proiect CNFIS-FDI-2024-F-0334, Membru: Bendea G., 2024	328.000 lei
	2.Dezvoltarea Centrului de Transfer Tehnologic al Universității din Oradea – „Smart Industries”, cod SMIS 140830, Membru: Bendea G., 2019 – 2023	31.703.395 lei
	3.Dezvoltarea capacității de cercetare și inovare multidisciplinară utilizând tehnologii emergente, cod proiect CNFIS-FDI-2022-0058, Membru: Bendea G.; 2022	260.000 lei
	4.Cercetare, dezvoltare și inovare multidisciplinară pentru specializări inteligente la Universitatea din Oradea, Cod proiect CNFIS-FDI-2021-0450, Director: Bendea G., 2021	321.276 lei
	5.Implementarea de tehnologii digitale în Universitatea din Oradea (Digital UO), proiect cofinanțat prin Planul Național de Redresare și Reziliență (PNRR), Contract nr. 14.068/16.09.2022, Membru: Bendea G., 2022 – 2025	30.275.536,76 lei
	6.Identificarea modalităților de creștere a eficienței energetice globale a instalațiilor de încălzire care utilizează pompe de căldură cu sursă geotermală, proiect finanțat în cadrul competiției de granturi „Cercetarea științifică de excelență aferentă domeniilor prioritare cu valorificare prin transfer tehnologic: INO-TRANSFER-UO-Ediția a II-a”, proiect nr. 263/2022, Membrii: Bendea G., Blaga A., 2022-2023	33.000 lei
	7.Sistem inovativ de valorificare a energiei din biomasă cu eficiență ridicată - SIVEBER, cod proiect: SMIS 2014+: 123392, Programul Operațional Competitivitate 2014-2020, Cod apel de proiecte: POC/163/1/3/Stimularea cererii întreprinderilor pentru inovare prin proiecte CDI derulate de întreprinderi individual sau în parteneriat cu institute de CD si universități, în scopul inovării de procese si de produse în sectoarele economice care prezintă potențial de creștere, beneficiari: SC Climarol Prest SRL și Universitatea din Oradea, durata: 2021 – 2023 (28 luni), buget total: 19.306.580,98 lei (din care 1.485.814,41 lei aferent Universității din Oradea), Director: Bendea G, Membri: Rancov Nicolae, Meianu Dragos, Blaga A, Moldovan Vasile, Albut Daniel, 2021-2023	1.485.814,41 lei
	8.Optimizarea energetică a sistemelor de distribuție a apei. Grant de cercetare câștigat prin Competiția de granturi - Cercetarea științifică de excelență aferentă domeniilor prioritare cu valorificare prin transfer tehnologic: INO – Transfer – UO, ediția II, 2022, contract nr. 239/01.11.2022 manager grant: Hora Cristina, 2022 -2024	30.000 lei
	9.Instalație pilot pentru identificarea unor soluții tehnice de producere a H2 verde (din surse regenerabile). Grant de cercetare câștigat prin Competiția de granturi - Cercetarea științifică de excelență aferentă domeniilor prioritare cu valorificare prin transfer tehnologic: INO – Transfer – UO 2021, manager grant: Hora Cristina, 2021-2024	30.000 lei
	10.Contractul de cercetare AG294/SGU/CI/III din 18.12.2019 cu titlul Centrul de Învățare al Universității din Oradea; Acronim: Digital Blend In, CIM nr. 4637/21.09.2021 – perioada 01.10.2021 – 30.04.2022, Funcția în cadrul proiectului: coordonator programe remediale; Membru: Dzitac Simona, 2021-2022	
	11.Contract de finanțare câștigat prin competiția de granturi ”Cercetarea științifică de excelență aferentă domeniilor prioritare cu valorificare prin transfer tehnologic” - INO – Transfer – UO nr 323/21.12.2021, cu titlul Eficientizarea consumului de energie și a climatului unei sere prin digitalizarea parametrilor de funcționare ai acestora și implementarea unor algoritmi de comandă și control bazați pe tehnici de inteligență artificială, Durata: 21.12.2021 - 31.12.2022/30.06.2023/29.12.2023, Buget total: 28749,81 Lei Lei, Funcția în cadrul proiectului (Dzitac S.): manager de grant; 2021-2024	28.749,81 lei
	12.Contract de finanțare câștigat prin competiția de granturi ”Cercetarea științifică de excelență aferentă domeniilor prioritare cu valorificare prin transfer tehnologic” - INO – Transfer – UO nr 327/21.12.2021, cu titlul Eco-inhibitor pentru controlul si managementul coroziunii unor metale si aliaje în medii apoase, Durata: 21.12.2021 - 31.12.2022/30.06.2023/29.12.2023, Buget total: 27000 Lei, Funcția în cadrul proiectului: membru (Dzitac S.);	27.000 lei
	13.Contract de finanțare câștigat prin competiția de granturi ”Cercetarea științifică de excelență aferentă domeniilor prioritare cu valorificare prin transfer tehnologic” - INO – Transfer – UO nr 319/21.12.2021, cu titlul Digi-Tour Sharing, Durata: 21.12.2021 - 31.12.2022/30.06.2023, Buget total: 30000 Lei, Funcția în cadrul proiectului: membru (Dzitac S.); 2021-2023	30.000 lei
	14.Contract de finanțare pentru competiția de granturi”Cercetarea științifică de excelență aferentă domeniilor prioritare cu valorificare prin transfer tehnologic” - INO – Transfer – UO nr 318/21.12.2021, cu titlul CSR4FOOD, Durata: 21.12.2021 - 31.12.2022/30.06.2023, Buget total: 30000 Lei, Funcția în cadrul proiectului: membru (Dzitac S.); 2021-2023	30.000 lei
	15.Contractul de cercetare AG294/SGU/CI/III din 18.12.2019 cu titlul Centrul de Învățare al	

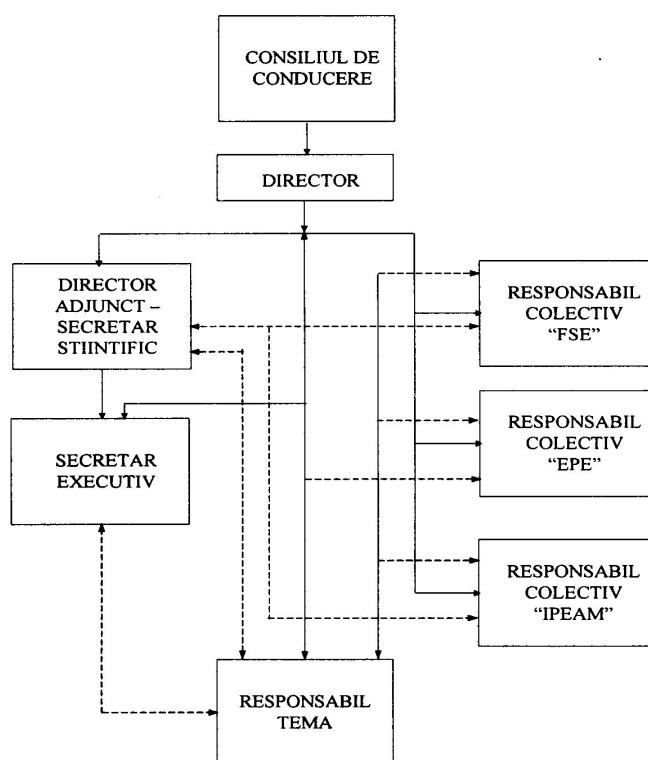
	Universității din Oradea; Acronim: Digital Blend In, CIM nr. 4637/21.09.2021 – perioada 01.10.2021 – 30.04.2022, Funcția în cadrul proiectului: coordonator programe remediale (Dzitac S.); 01.10.2021 – 30.04.2022	
	16.Contract de finanțare câștigat prin competiția de granturi ”Cercetarea științifică de excelență aferentă domeniilor prioritare cu valorificare prin transfer tehnologic” - INO – Transfer – UO nr 236/01.11.2022, cu titlul Cercetări privind tratamentele de conservare aplicate textilelor etnografice aparținând patrimoniului cultural, Buget total: 30000 Lei, Funcția în cadrul proiectului: membru (Dzitac S.); 01.11.2022 - 31.12.2024	30.000 lei
	17.Contract de finanțare câștigat prin competiția de granturi ”Cercetarea științifică de excelență aferentă domeniilor prioritare cu valorificare prin transfer tehnologic” - INO – Transfer – UO nr 262/11.11.2022, cu titlul Soluții privind managementul deșeurilor și tranziția la economia circulară a organizațiilor din industria de publicitate stradală (Reciclarea bannerelor flex din policlorura de vinil, Durata: 11.11.2022 - 31.12.2023, Buget total: 30450 Lei, Funcția: membru (Dzitac S.); 11.11.2022 - 31.12.2023	30.450 lei
	18.Proiect POCU/379/6/21 – Proiect POCU – Antreprenor pentru viitor , Durata: 01.08.2019 – 23.05.2021, Valoarea proiectului: 7.282.442,22 lei, Funcția în cadrul proiectului: responsabil implementare la nivel de IEMI; Membru: Dzitac S., Barla E.; 2019-2021	7.282.442,22 lei
	19.Proiectul ”Eficientizarea procesului de internaționalizare a Universității din Oradea prin creșterea vizibilității și parteneriate strategice” – FDI 2020, Domeniul 2: Internaționalizarea Învățământului Superior din România, Perioada de derulare: 1 mai 2020 -18 decembrie 2020 Membru: Hora Cristina; 2020;	345.132 lei
	20.Proiectul ”Creșterea capacității instituționale prin crearea de spații de studiu pentru studenții Universității din Oradea – StartEDU”, proiect finanțat de CNFIS-FDI-2020-0105, Funcția în cadrul proiectului: mentor organizații studențești; Membru: Dzitac S.; 2020	
	21.Proiectul Networking educațional prin metode eficiente de învățare și promovare de bune practici (Acces2UO), proiect finanțat de CNFIS-FDI_2019-0687, Domeniul 1: Creșterea echității sociale în vederea incluziunii sociale și sporirea accesului la învățământul superior, corelarea ofertei educaționale cu cererea pieței muncii (inclusiv cele privitoare la consilierea și orientarea în carieră), Funcția în cadrul proiectului: expert învățământ universitar tehnic; Membru: Dzitac S.; 2019	200.000 lei
	22.Proiectul de mobilitate pentru cercetători cu experiență din diaspora, cod PN-III-P1-1.1-MCD-2019-0030 în cadrul programului PN III: Dezvoltarea sistemului național de cercetare-dezvoltare, Subprogram: Resurse umane, contract de finanțare nr. 3 din 10.07.2019, Durata: 7 zile, Valoarea contractului: 4300 lei, Funcția în cadrul proiectului: responsabil Dzitac S.; 2019	4300 lei
	23.Combaterea abandonului școlar la Facultatea de Inginerie Energetică și Management Industrial, acord de grant nr. 153/SGU/NC/II din data 10.09.2019 – proiect ROSE - YouTurn. Membru: Hora C, Rancov N, Moldovan V, Barla E.; 2019	40.000 Eur
	24.Contractul de cercetare nr. 137/SGU/PV/II din data de 13.05.2019, Proiectul privind învățământul secundar (ROSE) Schema de granturi pentru universități – Programe de vară de tip puncte. Acces la educație. Edu-Smart, Durata 13.06.2019 – 31.07.2019, Funcția în cadrul proiectului: responsabil programe studiu IEMI; Membru: Dzitac S.; 13.06.2019 – 31.07.2019 Contractul de cercetare nr. 137/SGU/PV/II din data de 13.05.2019, Proiectul privind învățământul secundar (ROSE) Schema de granturi pentru universități – Programe de vară de tip puncte. Acces la educație. Edu-Smart, CIM nr. 5715/27.06.2024, Durata 01.07.2024 – 31.07.2024, Funcția în cadrul proiectului: responsabil programe studiu IEMI;	
	25.Contractul de cercetare nr. 137/SGU/PV/II din data de 13.05.2019, Proiectul privind învățământul secundar (ROSE) Schema de granturi pentru universități – Programe de vară de tip puncte. Acces la educație. Edu-Smart, Durata 12.07.2022 – 31.08.2022, Funcția în cadrul proiectului: responsabil programe studiu IEMI (Dzitac S.); 12.07.2022-31.08.2022;	
	26.Contractul de cercetare nr. 137/SGU/PV/II din data de 13.05.2019, Proiectul privind învățământul secundar (ROSE) Schema de granturi pentru universități – Programe de vară de tip puncte. Acces la educație. Edu-Smart, Durata 01.07.2021 – 31.08.2021, Funcția în cadrul proiectului: responsabil programe studiu IEMI; Membru: Dzitac Simona; 01.07.2021 – 31.08.2021	
	27.Centrul de Învățare al Universității din Oradea – Digital BlendIN, Proiect ROSE: AG. 294/SGU/CI/III/18.12.2019, perioada 2019-2024, membru: Hora C., responsabil activități remediale (2023-2024); 2019-2024;	
	28.Implementarea conceptului de Calitate 4.0 la Universitatea din Oradea, Cod proiect CNFIS-FDI-2023-F-0418, 2023, membru: Hora C.; 2023;	
	29.Grant de cercetare - Cercetare și inovare interdisciplinară utilizând tehnologii sustenabile CIIUTS, Cod proiect CNFIS-FDI-2024-F-0334, 2024, membru_Hora C.	
Proiecte din PNCDI II	-	-

	Proiecte internationale	-
	Contracte de cercetare/consultanta pentru mediul economic	Valoare (RON)
1.	Elaborarea de norme de consum pentru sistemul de transport și distribuție a energiei termice din cadrul SACET Oradea și Sânmartin. Cod CPV 71314300-5, beneficiar Termoficare Oradea S.A., 2023, manager proiect Hora C, membri:Blaga A, Secui C.	42000 (2023)
2.		
7.4	Numarul si valoarea contractelor de cercetare nationale finantate din fonduri private	
	Contract/Tema/Perioada	Valoarea (RON)
	Total	-
7.5	Alte surse	
	Contract/Tema/Perioada	Valoarea (RON)
	Total	-
7.6	Venituri realizate din activitati economice (servicii, microproductie)	
	Contract/Tema/Perioada	Valoarea (RON)
	Total	-

Obs. Toate date din tabel sunt pe propria raspundere a membrilor centrului

8. RESURSA UMANĂ DE CERCETARE (Total personal de cercetare care realizează venituri din activitatea de cercetare dezvoltare)

8.1. Organigrama



FSE - Calitatea și fiabilitatea sistemelor energetice; EPE - Eficiența proceselor energetice;
IPEAM - Impactul proceselor energetice asupra mediului.

8.2. Structura de personal

Membri centrului de cercetare în perioada de evaluare (2020-2024):

1. Felea Ioan dr. profesor, membru asociat (până în Noiembrie 2023)
2. Bendea Gabrieldr. profesor habil. - membru
3. Secui Calindr. conferențiar - membru
4. Hora Cristinadr. conferențiar – membru
5. Dzitac Simonadr. conferențiar - membru
6. Meianu Dragoșdr. șef lucrări - membru
7. Rancov Nicolaedr. șef lucrări - membru
8. Albuț Danieldr. șef lucrări – membru
9. Cîmpan Mihneadr. șef lucrări – membru
10. Bunda Șerbandr. șef lucrări – membru
11. Barla Evadr. șef lucrări - secretar științific
12. Felea Adriandr. șef lucrări – membru (până în Februarie 2024)
13. Moldovan Vasile dr. șef lucrări – director
14. Dan Florindr. șef lucrări - membru (din Ianuarie 2024)

* Au fost luate în considerare doar activitățile în care sunt implicați membrii titulari ai centrului în perioada 2020-2024 (nr. de membri titulari în perioada 2020-2024=13)

Cercetători științifici gradul 1 (profesori)/din care doctori în știință: 2 / 2

Cercetători științifici gradul 2 (conferențieri)/din care doctori în știință: 3 / 3

Cercetători științifici gradul 3 (lectori)/din care doctori în știință: 9 / 9

Cercetători științifici/din care doctori în știință: -/-

Asistenți de cercetare: -/-

Total personal auxiliar de cercetare angajat: -/-

8.3. Date privind perfecționarea resursei umane

Centrul de Cercetare în domeniul energetic cu denumirea „Managementul Proceselor Energetice” este o entitate de cercetare care are cadre didactice implicate în parcurgerea programelor de formare (învățământ și cercetare) în ciclurile II și III, precum și cursuri postuniversitare de specializare.

8.3.1. Numărul de doctoranzi și masteranzi care lucrează în unitatea de cercetare-dezvoltare la data completării formularului sunt prezențați în Tabelul 8.1:

Tabelul 8.1

Nr.	Nume și prenume	Grad științific și didactic
1.	Trandafir N. Elian Nicolae	ing. – doctorand (asociat), anul VII
2.	Negrea Daniela	ing. – doctorand (asociat), anul V
3.	Hoble Calin	ing. – doctorand (asociat), anul III
4.	Rencsik Otto Lorand	ing. – doctorand (asociat), anul II
5.	Nicodin Ioan Aurel	ing. – doctorand (asociat), anul II
6.	Ploae Marcel Răzvan	ing. – doctorand (asociat), anul II

8.3.2. Număr de teze de doctorat realizate în unitatea de cercetare-dezvoltare în perioada pentru care se face evaluarea (Tabelul 8.2.):

Tabelul 8.2

Nr.	Nume și prenume	Anul susținerii
-	-	-

9. INFRASTRUCTURA DE CERCETARE – DEZVOLTARE

9.1. Laboratoare de cercetare – dezvoltare

- Audit electroenergetic (sala A107);
- Diagnoza tehnică a mașinilor și echipamentelor electrice (sala T105C);

9.2. Lista echipamentelor performante achiziționate

- Debitmetru ultrasonic portabil pentru gaze
- Debitmetru ultrasonic portabil pentru lichide
- Analizor de calitate a energiei electrice - Chauvin Arnoux C.A. 8334B
- Analizor de calitate a energiei electrice
- Echipament complex pentru verificarea instalațiilor electrice de JT – Fluke 1653B
- Aparat pentru măsurarea prizelor de pământ – P01126504 – CA 6472
- Echipament verificare instalații electrice P01145450 – CA6116
- Cronometru digital portabil – PTE – 30 – CH
- Fazmetru numeric portabil – PME – 20 – PH
- Tahometru digital – 17.550 – CT 100E C
- Analizor întrerupător putere – PME – 500 – TR
- Cameră de termoviziune profesională - FLUKE TI32
- Echipament trifazic pentru măsurare raport de transformare – TRT 30
- Aparat măsurarea câmpului magnetic și electric – CA42 – CA42

10. CENTRALIZATOR PUNCTAJ CENTRU DE CERCETARE (a se lista pe o singura pagina)

Capitol	Paragraf	Subparagraf	Punctaj	Punctaj / membru
4				
4	4.1			
	4.1	4.1.1	900	29.23
	4.1	4.1.2	0	0
	4.1	4.1.3	1820	140
	Total punctaj 4.1.		2720	209.23
	4.2			
	4.2	4.2.1	0	0
	4.2	4.2.2	0	0
	Total punctaj 4.2.		0	0
	4.3			
	Total punctaj 4.3		0	0
Total punctaj cap. 4			2720	209.23
5				
5	5.1		70	5.38
	5.2		110	8.46
	5.3		0	0
Total punctaj cap. 5			180	13.85
6				
6	6.1		1620	124.62
	6.2		0	0
	6.3		0	0
	6.4		0	0
	6.5		10	0.77
	6.6		130	10
Total punctaj cap. 6			1760	135.38
Punctaj general centru:				
4+5+6			4660	358.46

*Punctajele sunt considerate doar pentru activitățile în care sunt implicați membrii titulari ai centrului (nr. de membri titulari în perioada 2020-2024=13)

Data: Februarie 2025

Director Centru de cercetare:

s.l.dr.ing. Moldovan Vasile



Secretar științific

s.l. dr. ing. Eva BARLA



II. REGULAMENTUL DE ORGANIZARE ȘI STATUTUL DE FUNCTIONARE AL CENTRULUI DE CERCETARE „MANAGEMENTUL PROCESELOR ENERGETICE”

Cap. 1. Denumirea, participanți, structura, forma juridică, sediul, durata de activitate

Art. 1.1. Denumirea Centrului de Cercetare este „Managementul Proceselor Energetice” (MPE) și reunește trei direcții de cercetare.

Art. 1.2. Centrul de Cercetare „MPE” este o entitate de cercetare științifică integrată în structura Facultății de Inginerie Energetică și Management Industrial, Departamentul de Inginerie Energetică din cadrul Universității din Oradea, funcționând în conformitate cu prezentul regulament.

Art. 1.3. Centrul de cercetare „MPE” reunește profesori, conferențieri, șefi de lucrări, asistenți, preparatori, cercetători, doctoranzi și studenți în ciclul II (master), cu preocupări în domeniul proceselor energetice.

Art. 1.4. Centrul de cercetare „MPE” este o entitate de cercetare care gestionează și coordonează activitățile a trei colective de cercetare dedicate efectuării de cercetări științifice în următoarele direcții:

- Calitatea și fiabilitatea sistemelor energetice (FSE);
- Eficiența proceselor energetice (EPE);
- Impactul proceselor energetice asupra mediului (IPEAM).

Art. 1.5. Centrul de Cercetare „MPE” este reprezentat pe plan administrativ de către director, iar reprezentarea juridică este asigurată de către Universitatea din Oradea.

Art. 1.6. Sediul Centrului de Cercetare „MPE” este în cadrul Universității din Oradea, Facultatea de Inginerie Energetică și Management Industrial, Departamentul de Inginerie Energetică, Str. Universității nr. 1, Oradea, Bihor, România, tel. 0259/408231, fax. 0259/408404, e-mail: moldovan@uoradea.ro.

Art. 1.7. Durata de activitate a Centrului de Cercetare „MPE” este nelimitată.

Cap. 2. Scopul și necesitatea constituirii

Art. 2.1. Scopul constituirii Centrului de Cercetare „MPE”, constă în:

- a) Formarea și perfecționarea resurselor umane dedicate gestionării adecvate a proceselor energetice, la nivel de masterat, studii postuniversitare și doctorat;
- b) Dezvoltarea cercetării științifice și tehnologice în domeniul proceselor energetice, orientată în următoarele direcții: fiabilitatea sistemelor energetice, eficiența proceselor energetice și impactul proceselor energetice asupra mediului;
- c) Promovarea rezultatelor cercetării științifice pe plan național și internațional;
- d) Sprijinirea integrării europene a României în ceea ce privește învățământul tehnic superior și cercetarea științifică în domeniile menționate, precum și asimilarea directivelor și reglementărilor Uniunii Europene;
- e) Sprijinirea, sub aspect tehnic, științific și a reglementărilor Uniunii Europene, a sectoarelor industriale din România, în vederea creșterii competitivității produselor pe

care la fabrică sau a serviciilor pe care le furnizează;

- f) Diseminarea rezultatelor cercetării și a reglementărilor din domeniile de interes menționate prin formare continuă și postuniversitară, în conformitate cu cerințele pieței muncii.

Art. 2.2. Necesitatea constituirii Centrului de cercetare „MPE” este susținută de:

- a) Importanța mondială a domeniului abordat, care are implicații în toate sectoarele de activitate economică, sănătate, învățământ și calitate a vieții, atât prin implicarea științifică și tehnologică, cât și prin reglementări legale;
- b) Decalajul științific, tehnologic și juridic al României față de Uniunea Europeană, accentuat de retardul metodelor de investigare și al echipamentelor și de reducerea activității centrelor de cercetare din domeniul energetic;
- c) Necesitatea valorificării rezultatelor recunoscute ale cercetărilor efectuate de către membrii centrului.

Cap. 3. Obiect de activitate

Art. 3.1. Activitatea Centrului de Cercetare „MPE” se constituie, în principal, din:

- a) Conceperea și derularea de programe de cercetare în domeniul energetic, precum și în domenii inter și pluridisciplinare;
- b) Derularea de teme de cercetare solicitate de beneficiari interni sau externi sau identificate prin activități proprii în vederea valorificării ulterioare;
- c) Dezvoltarea bazei materiale prin achiziții și autodotare;
- d) Promovarea și derularea de programe de formare de tip studii postuniversitare de specializare, master, doctorat, formare continuă, în varianta la zi, la distanță și cu frecvență redusă;
- e) Acordarea de asistență sub aspect tehnic și de laborator programelor de învățământ și doctorat care se derulează în facultățile tehnice ale Universității din Oradea;
- f) Dezvoltarea unui centru de documentare și informare cuprinzând o bibliotecă și facilități informatice;
- g) Dezvoltarea relațiilor de colaborare cu membrii structurilor din cercetare, învățământ, producție și legislație din țară și străinătate prin organizare de vizite, simpozioane, seminarii, mese rotunde și altele;
- h) Susținerea și sprijinirea publicării de articole științifice elaborate de membrii Centrului de Cercetare în reviste de specialitate din țară și străinătate, sprijinirea participării acestora la congrese, conferințe, sesiuni științifice internaționale și acordarea de premii tinerilor cercetători cu rezultate deosebite;
- i) Încheierea de acorduri cu parteneri români sau străini pentru derularea de activități științifice, tehnice și de dezvoltare, precum și sprijinirea desfășurării acestora;
- j) Participarea la programele de cercetare științifică inițiate de Uniunea Europeană, precum și cele inițiate în țară.

Art. 3.2. În cadrul Centrului de Cercetare „MPE” se mai pot desfășura următoarele activități:

- a) Conceperea și dezvoltarea de produse;
- b) Activități de încercare, testare și validare de produse, precum și alte servicii;
- c) Activități de consultanță și expertiză tehnică;
- d) Activități de elaborare de standarde, norme sau altele asemenea.

Cap. 4. Principii de organizare și funcționare. Organigrama

Art. 4.1. Conducerea Centrului de Cercetare „Managemetul Proceselor Energetice” (CCMPE) este asigurată de un Consiliu de conducere format din:

- a) Director;
- b) Director adjunct;
- c) Responsabilii Colectivelor de cercetare;
- d) Secretar științific.

Directorul Centrului este numit de către decanul facultății, la propunerea directorului de departament și cu avizul Consiliului Facultății.

Directorul adjunct, este numit de către directorul de departament, la propunerea directorului CCMPE.

Responsabilii Colectivelor de cercetare sunt aleși de către membrii colectivelor, la propunerea directorului CCMPE. Alegerea se face cu majoritatea simplă a voturilor membrilor colectivului respectiv.

Secretarul științific este numit de către directorul CCMPE. Organigrama CCMPE se prezintă în fig. 1.

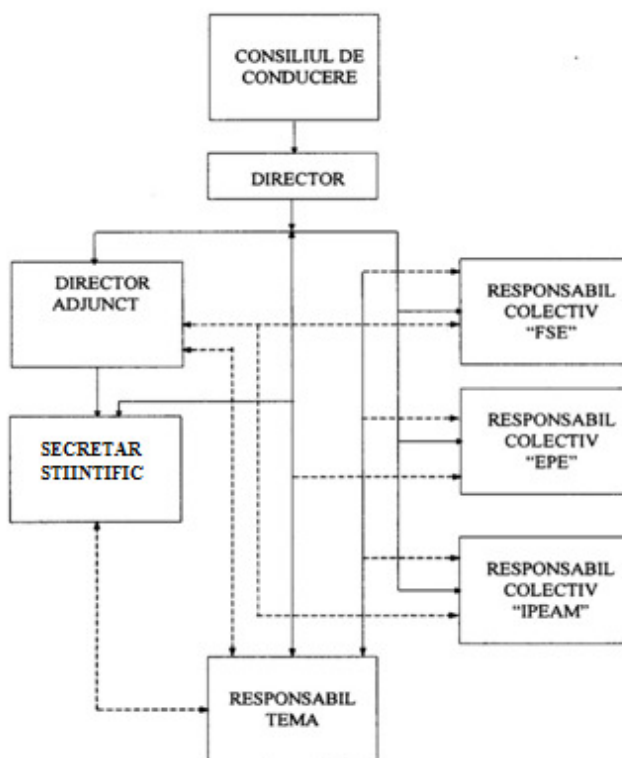


Fig.1. Organigrama CCMPE

Art. 4.2. Atribuțiile Directorului centrului sunt:

- a) asigură conducerea curentă și permanentă a întregii activități a CCMPE și duce la îndeplinire hotărârile Consiliului de conducere;
- b) ia decizii în conformitate cu hotărârile Consiliului de conducere, Statutul și Regulamentul de funcționare al CCMPE;

- c) stabilește sarcinile și urmărește activitatea personalului angajat;
- d) întocmește un Raport anual privind activitățile desfășurate și un Raport financiar anual pe care îl prezintă Consiliului de conducere și după caz, forurilor abilitate ale Universității din Oradea;
- e) angajează patrimoniul CCMPE în limitele competențelor stabilite de Consiliul de conducere;
- f) reprezintă CCMPE în afara acestuia;
- g) convocă Consiliul de conducere;
- h) în situațiile în care Directorul nu își poate îndeplini temporar atribuțiile, ele vor fi preluate de către Directorul Adjunct.

Art. 4.3. Atribuțiile Responsabililor de colective sunt:

- a) iau parte, cu drept de vot, la ședințele Consiliului de conducere;
- b) fac propuneri de reorganizare a activității în vederea îmbunătățirii acesteia în cadrul colectivului pe care îl conduc;
- c) organizează și urmăresc activitatea membrilor Colectivului de cercetare constituit pentru temele de cercetare pe care le conduc;
- d) asigură accesul membrilor colectivului la baza materială și de documentare în vederea realizării obiectivelor aferente temelor de cercetare;
- e) asigură, în limita finanțării, procurarea echipamentelor, software-ului și materialelor documentare necesare bunei desfășurări a activității colectivului;
- f) identifică resurse de finanțare pentru CCMPE;

Art. 4.4. Consiliul de conducere se întrunește trimestrial, la convocarea Directorului Centrului sau în situații excepționale.

Art. 4.5. Agenda unei întruniri este stabilită de Directorul centrului, cu consultarea responsabililor de colective. Agenda va fi comunicată membrilor Consiliului de Conducere al CCMPE cu cel puțin trei zile înainte de desfășurarea ședinței.

Art. 4.6. Întrunirile Consiliului de conducere sunt statutare în condițiile prezenței majorității simple a membrilor cu drept de vot. Membrii cu drept de vot care nu pot participa la o întrunire pot desemna înlocuitori autorizați sau transmit în scris poziția lor.

Art. 4.7. Întrunirile Consiliului sunt conduse de Director sau Director adjunct.

Art. 4.8. Programele și acțiunile CCMPE hotărâte de către Consiliul de conducere vor fi conduse de un membru CCMPE numit de către Consiliu.

Art. 4.9. Coordonatorul de program sau acțiune asigură managementul complet al acestora și răspunde de finalizare, în termenele convenite. El informează periodic Consiliul de conducere asupra stadiului programului sau acțiunii și întocmește o evaluare finală la terminarea acestora.

Cap. 5. Patrimoniul Centrului de cercetare

Art. 5.1. Accesul la patrimoniul CCMPE este asigurat astfel:

- a) Acces direct, pentru:
 - membrii CCMPE;
 - doctoranzii, participanții la programele „master” și alte studii postuniversitare din cadrul Facultății IEMI din domeniul inginerie energetică, coordonate de către CCMPE;

- cadrele didactice din Facultatea IEMI, care nu fac parte din CCMPE.
- b) Acces indirect, oricărei instituții sau întreprinderi care solicită servicii din sfera de activități a CCMPE.
- c) Accesul direct este asigurat și pentru terți (beneficiari, colaboratori) în cadrul programelor de colaborare.

Art. 5.2. Accesul direct presupune utilizarea nemijlocită sau asistată, de către solicitant, a obiectului de patrimoniu. Accesul indirect presupune utilizarea obiectului de patrimoniu de către persoane autorizate din cadrul CCMPE, în vederea executării comenzii unui beneficiar.

Art. 5.3. Accesul se obține pe baza unei solicitări adresate CCMPE. Aprobarea accesului se poate da numai pentru activități conforme cu Statutul CCMPE, desfășurate cu respectarea prevederilor Regulamentului de funcționare al CCMPE.

Art. 5.4. Planificarea accesului la obiectele de patrimoniu ale CCMPE revine Consiliului de conducere și este asigurată, în mod operativ, de către Director și Responsabilii de colective de cercetare, care țin și evidența utilizării obiectelor de patrimoniu. La programarea accesului în centrul de cercetare, de regulă, au prioritate acțiunile proprii ale CCMPE.

Art. 5.5. Utilizarea obiectelor din patrimoniul CCMPE se face în regim de taxă de utilizare/abonament. Sunt scutiți de plata acestora următorii utilizatori:

- a) participanții la programele de tip „master” și doctoranzii implicați în activitatea CCMPE;
- b) membrii CCMPE și ai Departamentului de Inginerie Energetică, dar numai pentru operațiuni de training și de dezvoltare a patrimoniului CCMPE.

În cazurile excepționale, Comitetul Director al CCMPE poate acorda și alte scutiri de taxe.

Art. 5.6. Taxele de utilizare pentru acces direct (conf. Art. 7.1.a.) se stabilesc astfel încât să acopere cheltuielile de întreținere/reparații și cheltuielile cu materialele consumabile, cu excepția acelor utilizări care servesc la elaborarea de lucrări de cercetare și alte acțiuni pe bază de contract.

Taxele de utilizare pentru acces indirect (conf. Art. 7.1.b.), ca și cele care constituie excepția la paragraful precedent, vor conține:

- a) contravaloarea materialelor consumabile folosite;
- b) manopera suplimentară aferentă utilizării și toate operațiile legale legate de aceasta;
- c) cota de regie a Centrului de Cercetare ce gestionează obiectul folosit;
- d) o cotă de înlocuire/amortizare a obiectului utilizat;
- e) o cotă de dezvoltare a patrimoniului CCMPE.

Art. 5.7. Taxele de utilizare încasate intră în contul Centrului de Cercetare.

În situații deosebite, Consiliul de conducere poate hotărî și o altă defalcare a taxelor de utilizare.

Art. 5.8. Taxele de utilizare vor fi stabilite de Consiliul de conducere al CCMPE, după achiziționarea obiectelor de patrimoniu, în baza cunoașterii valorilor exacte ale acestora, ca și a cheltuielilor de instalare, întreținere (consumabile etc.).

La stabilirea taxelor de utilizare se vor avea în vedere reglementările în vigoare.

Cap. 6. Reglementări financiare

Art. 6.1. Funcționarea CCMPE are la bază existența unor surse de finanțare ce se constituie din:

- sumele provenite din contractele de cercetare/dezvoltare/formare;
- granturi;
- sponsorizări și donații;
- cote din alocațiile bugetare ale universității;
- contravaloarea serviciilor și utilităților puse la dispoziția beneficiarilor;
- taxe asupra lucrărilor efectuate;
- valorificarea materialelor documentare elaborate;
- alte venituri.

Art. 6.2. Sursele de finanțare trebuie să asigure îndeplinirea obiectivelor CCMPE și anume:

- acoperirea cheltuielilor legate de funcționarea CCMPE (cheltuieli directe și indirecte, salariile personalului și ale colectivelor de cercetare, materiale, întreținerea și amortizarea echipamentelor, regie etc.);
- dezvoltarea CCMPE prin achiziționarea de noi echipamente, tehnologii, software, material bibliografic etc.

Art. 6.3. Activitățile prestate de către colectivele de cercetare și personalul CCMPE sunt retribuite în conformitate cu legislația în vigoare.

Art. 6.4. Evidența financiar-contabilă a CCMPE va fi organizată și condusă de către o persoană cu pregătire de specialitate corespunzătoare (contabil, economist).

Cap. 7. Dispoziții finale

Art. 7.1. Orice modificare a prezentului Regulament se poate face numai de către Consiliul de conducere, în conformitate cu reglementările Universității din Oradea.

Aprobat în ședința Consiliului Facultății de Energetică din data de 12.12.2007.

Actualizare aprobată în ședința Consiliului Facultății IEMI din data de 27.06.2013.

Decan/Director de Departament

Conf. univ. dr. ing. Gabriel BENDEA



Prof. univ. dr. ing. IOAN FELEA