

UNIVERSITATEA DIN ORADEA
FACULTATEA DE INGINERIE ELECTRICĂ
ȘI TEHNOLOGIA INFORMAȚIEI
DEPARTAMENTUL DE INGINERIE ELECTRICĂ



CERCETARE ȘI INGINERIE TEHNOLOGICĂ ÎN
CONVERSIA ENERGIEI ELECTROMAGNETICE
C.C.I.T.C.E.E.

RAPORT DE AUTOEVALUARE

pentru perioada 2019 - 2023

CENTRU DE CERCETARE ȘI INGINERIE
TEHNOLOGICĂ ÎN CONVERSIA ENERGIEI
ELECTROMAGNETICE

ORADEA, 2024

**UNIVERSITATEA DIN ORADEA
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CENTRU DE CERCETARE ȘI INGINERIE TEHNOLOGICĂ ÎN CONVERSIA ENERGIEI ELECTROMAGNETICE

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ORADEA, 2024

I. PREZENTAREA CENTRULUI DE CERCETARE
în conformitate cu HG 551 / 2007

RAPORT DE AUTOEVALUARE
pentru perioada 2019 - 2023

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

1.1.	Denumirea
	CENTRU DE CERCETARE ȘI INGINERIE TEHNOLOGICĂ ÎN CONVERSIA ENERGIEI ELECTROMAGNETICE - CCITCEE
1.2.	Statutul Juridic
	Centru de cercetare din cadrul Universității din Oradea
1.3.	Actul de înființare: Hotărârea Senatului Universității din Oradea, nr. 10564/29.07.2004
	Titlul: Certificat de atestare internă
	Data emiterii: Decembrie, 2007
	Organul emitent: Universitatea din Oradea
	Modificări ulterioare
	Titlul: Certificat de atestare internă
	Data emiterii: HCA 28/30.05.2013; HSU 29/17.06.2013; HS 33/22.03.2018 (Anexa 28)
1.4.	Organul emitent: Universitatea din Oradea
1.4.	Nr. din înregistrare în Registrul potențialilor contractori: 1155
1.5.	Director
	Conf.dr.ing. Carmen Otilia MOLNAR , E-mail: cmolnar@uoradea.ro ; carmenmolnar09@gmail.com , ccitce@uoradea.ro
	Secretar științific
	Conf.dr.ing. Vasile-Darie ȘOPRONI , E-mail: vsoproni@uoradea.ro
1.6.	Adresa
	Oradea, Str.Universității nr.1, Pavilion T, Sala 006, Tel. +40 259 408 451
1.7.	Tel, Fax, Pagina web, E-mail: ccitce@uoradea.ro
	Tel: +40 259 408 451, E-mail: carmenmolnar09@gmail.com vsoproni@uoradea.ro

2. DOMENIUL

2.1.	Conform clasificării UNESCO
	33
2.2.	Conform clasificării CAEN
	71_Activități de arhitectură și inginerie; activități de testări și analiză tehnică
	7112_Activități de inginerie și consultanță tehnică legate de acestea
	712_Activități de testări și analize tehnice
	72_Cercetare-dezvoltare
	721_Cercetare-dezvoltare în științe naturale și inginerie

3. STAREA UNITĂȚII DE CERCETARE-DEZVOLTARE

3.1.	Misiunea unității de cercetare dezvoltare, direcțiile de cercetare, dezvoltare, inovare
	Misiunea acestui centru de cercetare-dezvoltare o reprezintă cercetarea, inovarea științifică fundamentală și aplicativă în domeniul ingineriei electrice, concepția constructivă și tehnologică, proiectarea, realizarea și implementarea de noi echipamente electrotermice. Direcțiile de cercetare ale centrului converg din strategia de cercetare a universității și vizează în principal următoarele aspecte: - modelarea și simularea numerică a câmpului electromagnetic în procesele de încălzire în câmp de microunde și radio-frecvență; - modelarea și simularea numerică a fenomenelor electromagnetice cuplate; - studiul, cercetarea și implementarea de tehnologii avansate în domeniul încălzirilor inductive; - studiul, cercetarea și implementarea de tehnologii avansate în domeniul încălzirilor în câmp de microunde; - studiul, cercetarea și implementarea de electrotehnologii noi, ecologice în industrie; - proiectarea asistată și implementarea de echipamente de încălzire prin inducție în sectorul industrial; - proiectarea asistată și implementarea de echipamente de încălzire în câmp de microunde în sectorul industrial; - proiectarea și execuția de echipamente electrice; - modelare numerică și compatibilitate electromagnetică; - expertiză și consultanță de specialitate.
3.2.	Modul de valorificare a rezultatelor de cercetare, dezvoltare, inovare și gradul de recunoaștere a acestora
	• Participarea în programe de cercetare-dezvoltare naționale și internaționale, granturi și contracte de cercetare-dezvoltare încheiate cu diverși beneficiari din mediul socio-economic. • Elaborarea de lucrări științifice publicate în reviste de specialitate cotate ISI/BDI, prezentate la conferințe/simpozioane naționale și internaționale. • Elaborarea de cărți de specialitate/monografii și cursuri universitare în domeniile prioritare. • Elaborarea de studii și rapoarte de cercetare pentru domeniile de competență ale centrului. • Organizarea de seminarii, cursuri de specialitate pentru formarea profesională a tinerilor cercetători și specialiști din mediul industrial, local și regional. • Participarea studenților, masteranzilor și doctoranzilor în programele de cercetare. • Realizarea de modele experimentale, simulări pe calculator, integrarea rezultatelor cercetării în alte domenii tehnice. • Creșterea nivelului științific, sporirea vizibilității cercetării fundamentale românești și integrarea sa europeană. • Amplificarea legăturilor științifice deja existente cu colaboratori din străinătate, creșterea competitivității cercetării universitare românești și integrarea acesteia în circuitul internațional.

4. CRITERII PRIMARE DE PERFORMANȚĂ

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

Număr de lucrări științifice: $50 \times 30 = 1500$

Nr. crt.	Data publicării		Autor(i)	Titlul articolului	Revista ISI	ISSN	Factor de impact al revistei
	An	Luna					
1.	2023	06	Vasile Darie Soproni, Livia Bandici, Alin Cristian Teusdea, Francisc Ioan Hathazi, Mircea Nicolae Arion, Carmen Otilia Molnar, Teodor Leuca, Claudia Andrada Dale and Simona Ioana Vicas	Phenolic Content, Antioxidant Capacity, and Browning Impact of Apple Slices during Microwave Drying: A Chemometric Approach	Processes, 2023, 11, 6, WOS:001017768200001. PROCESSES - Revistă. Volume 11, Issue 6, 2023, IF 3.5. DOI10.3390/pr11061601, https://www.webofscience.com/wos/woscc/full-record/WOS:001017768200001	2227-9717	3,5
2.	2023	10	Adriana-Marcela Grava, Melinda Marian, Cristian Grava, Sorin Curilă, Nistor-Daniel Trip	Bond-graph analysis and modelling of a metal detector as an example of electro-magnetic system	Ain Shams Engineering Journal, Volume 14, Issue 10, October 2023, 102204, Q1, https://doi.org/10.1016/j.asej.2023.102204 , Accession Number: WOS:001001762200001 https://www.sciencedirect.com/science/article/pii/S209044792300093X?via%3Dihub	2090-4479	6,00
3.	2023	11	Adriana-Maria Cuc, Florin Lucian Mogoș, Adriana-Marcela Grava, Cristian Grava	Iterative Equalization and Decoding over an Additive White Gaussian Noise Channel with ISI Using Low-Density Parity-Check Codes	Applied Sciences, November 2023, ISSN, DOI: 10.3390/app132212294, https://www.mdpi.com/2076-3417/13/22/12294 Accession Number: WOS:001120386800001	2076-3417	2,70
4.	2022	11	Livia Bandici, Alin Cristian Teusdea, Vasile Darie Soproni, Francisc Ioan Hathazi, Mircea	The Influence of Microwave Treatments on Bioactive Compounds and Antioxidant	Materials 2022, vol.15, Issue 21, 7789. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000882153600001 https://doi.org/10.3390/ma15217789 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/https://doi.org/10.3390/ma15217789 IF 3.748. Document Type: JOURNAL Paper WOS:000882153600001.	1996-1944	3,748

			Nicolae Arion, Carmen Otilia Molnar and Simona Ioana Vicas	Capacity of Mentha piperitaL			
5.	2022	12	Alexandra-Cristina Tocai (Moțoc), Floricuta Ranga, Andrei George Teodorescu, Annamaria Pallag, Andreea Margareta Vlad, Livia Bandici and Simona Ioana Vicas	Phytochemicals screening and antimicrobial properties of Sanguisorba officinalis L. and Sanguisorba minor Scop	Plants, vol. 11, Issue 24 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000904301300001	2223-7747	4.658
6.	2022	11	Ovidiu-Constantin Novac, Mihai Cristian Chirodea, Cornelia Mihaela Novac , Nicu Bizon, Mihai Oproescu, Ovidiu Petru Stan and Cornelia Emilia Gordan	Analysis of the application efficiency of TensorFlow and PyTorch in Convolutional Neural Network,	Sensors 2022, 22(22), 8872; https://doi.org/10.3390/s22228872 ,16 November 2022, This article belongs to the Special Issue Intelligent Control and Testing Systems and Applications https://www-webofscience-com.am.e-nformation.ro/wos/woscc/summary/b8b376bf-e66a-436b-aadf-6a92a05bf807-69771389/relevance/1	1424-8220	3.847
7.	2021	06	Livia Bandici , Alin Teușdea, Ovidiu Pavel Milian, Adriana Ramona Memete, Simona Ioana Vicas, Adrian Vasile Timar, Gheorghe Emil Bandici	The Use of Microwaves in the Process of Reducing the Browning of Apple Slices.	16 th INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (EMES), pp.17-20 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000855847300005		0
8.	2021	06	Livia Bandici , Geanina Silvana Banu, Denisa Ficai, Anton Ficai	Study on the Use of a Stainless Steel Crucible and a Platinum-Plated Alumina Crucible in the	16 th INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (EMES), pp.13-16 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000855847300004		0

				Process of Obtaining Nanopowders in a Microwave Field			
9.	2021	12	Doina R. Zmaranda, Cristian I. Moisi, Cornelia A. Györödi, Robert Ș. Györödi, Livia Bandici	An Analysis of the Performance and Configuration Features of MySQL Document Store and Elasticsearch as an Alternative Backend in a Data Replication Solution	APPLIED SCIENCES-BASEL, Volume 11, Issue 24, Article Number 11590, DOI 10.3390/app11156794, Published Dec. 2021, WOS:000681800600001. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000735469100001	2076-3417	2.6979
10.	2021	08	Gyorodi, Cornelia, Dumse-Burescu, DV, Diana, V, Gyorodi, RS, Zmaranda, DR, Bandici, Livia , Popescu Daniela	Performance Impact of Optimization Methods on MySQL Document-Based and Relational Databases.	APPLIED SCIENCES-BASEL, Volume 11, Issue 15, Article Number 6794, DOI 10.3390/app11156794, Published AUG 2021, WOS:000681800600001, https://www-webofscience-com.am.e-nformation.ro/wos/author/record/2041381	2076-3417	2.6979
11.	2021	06	Livia Bandici , Geanina S. Banu, Denisa Ficai, Anton Ficai	The use of microwaves in the process of obtaining nanopowders	JOURNAL OF MICROWAVE POWER AND ELECTROMAGNETIC ENERGY. Volume 55, Issue 2, 2021, Page107-127. WOS:000648134600001, https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/ .	0832-7823	1.325
12.	2021	06	Claudia Olimpia Stașac , Dorel Anton Hoble	Comparative Analysis of the Influence of Striction Resistance and Disturbing Pellicles on the Contact Resistance	Proceedings of the 16 th IEEE International Conference of Engineering of Modern Electric Systems (ICMES), 2021. Electronic ISBN: 978-1-6654-4995-3 DOI: 10.1109/EMES52337.2021.9484147 , Oradea, Romania, 10-11 June 2021 https://ieeexplore.ieee.org/xpl/conhome/9484097/proceeding		0
13.	2021	06	Slovak Francisc, Codrean Marius, Gordan Mircea Ioan, Hhathazi Francisc Ioan ,	Correlation of catalytic temperature and bio-oil using the catalytic microwave	JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, pag.74, Vol. 14, no. 1, May 2021, Electronic ISBN: 978-1-7281-0773 http://electroinf.ioradea.ro/images/articles/CERCETARE/Reviste/JEEE/JEEE_V14_N1_MAY_2021/JEEE%20Slovak%20Francisc.pdf		0

			Sebeșan Radu , Codrean Mihaela	pyrolysis method for cellulosic biomass			
14.	2021	06	A.M. Grava , M. Marian, C. Grava.	Bond-graph modelling of sub- models using LC oscillators	Proceedings of the 16 th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2021), Electronic ISBN: 978-1-6654-4995-3 DOI: 10.1109/EMES52337.2021.9484147 , Oradea, Romania, June 2021 https://ieeexplore.ieee.org/document/9484147		0
15.	2021	06	A.M. Grava , M. Marian, C. Grava.	Bond-graph modelling of sub- models using sensors	Proceedings of the 16th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2021), ISBN: 978-1-6654-4995-3 DOI: 10.1109/EMES52337.2021.9484134 , Oradea, Romania, June 2021 https://ieeexplore.ieee.org/document/9484134		0
16.	2021	06	Cornelia Mihaela Novac , Ovidiu Constantin Novac, Raluca Marina Sferle, Mircea Ioan Gordan, Gyongyi Bujdoso and Camelia Maria Dindelegan	Comparative study of some applications made in the Vue.js and React.js frameworks	16 th International Conference on Engineering of Modern Electric Systems, ICMES 2021; Oradea, Romania; June 2021 ; Article number 9484149, ISBN: 978-172810773-8, DOI: 10.1109/EMES52337.2021.9484149, ISI Proceedings https://ieeexplore.ieee.org/document/9484149		0
17.	2021	06	Ovidiu- Constantin Novac, Damaris Emilia Madar, Cornelia Mihaela Novac , Gyongyi Bujdoso, Mihai Oproescu and Teofil Gal	Comparative study of some applications made in the Angular and Vue.js frameworks	16 th International Conference on Engineering of Modern Electric Systems, ICMES 2021; Oradea; Romania; June 2021 ; Article number 9484150, ISBN: 978-172810773-8, DOI: 10.1109/EMES52337.2021.9484150 ISI Proceedings https://ieeexplore.ieee.org/abstract/document/9484150		0
18.	2021	07	Lehel Szabolcs Csokmai, Cornelia Mihaela Novac , Ovidiu- Constantin Novac, Gyongyi Bujdoso, Mihai Oproescu and Marius Codrean	Comparative study about data speed acquisition and recording in a MySQL database of LabVIEW, MATLAB and Python programming languages	13th International Conference on Electronics, Computers and Artificial Intelligence, ECAI'2021, July, 2021 , Pitești, Romania, Article number 9515034, ISBN: 978-1-6654-2534-6, DOI: 10.1109/ECAI52376.2021.9515034, ISI Proceedings, https://ieeexplore.ieee.org/abstract/document/9515034		0
19.	2021	07	Mihai Cristian Chirodea, Ovidiu Constantin	Comparison of Tensorflow and PyTorch in	13th International Conference on Electronics, Computers and Artificial Intelligence, ECAI'2021, 1 July- 3 July, 2021 , Pitești, Romania, Article number 9515098, ISBN:978-1-6654-2534-6, DOI: 10.1109/ECAI52376.2021.9515098, ISI Proceedings,		0

			Novac, Cornelia Mihaela Novac , Nicu Bizon, Mihai Oproescu, Cornelia Emilia Gordan	Convolutional Neural Network - based Applications	https://ieeexplore.ieee.org/abstract/document/9515098		
20.	2021	10	Tibor Roskó, Gyöngyi Bujdosó, Cornelia Mihaela Novac , Ovidiu Constantin Novac	Enhancing students' privacy awareness: theory and practice on personal data protection through a VR environment	12th IEEE International Conference on Cognitive InfoCommunications, CogInfoCom 2021, 23-25 OCTOBER 2021 , online, (paper accepted for publication), ISI Proceedings https://drive.google.com/file/d/1oLTPgwgRDL8IyGt76GxzqReFHSkvFzWl/view https://www.researchgate.net/profile/Gyongyi-Bujdos/publication/369020791_Enhancing_students_privacy_awareness_theory_and_practice_on_personal_data_protection_through_a_VR_environment/links/6405247af0b97717dcf337/Enhancing-students-privacy-awareness-theory-and-practice-on-personal-data-protection-through-a-VR-environment.pdf		0
21.	2020	06	Seritan, GC; Enache, BA; Adochiei, FC; Argatu, FC ; Christodoulou, C; Vita, V; Toma, AR; Gandescu, CH; Hathazi, FI	Performance Evaluation of Photovoltaic Panels Containing Cells With Different Bus Bars Configurations in Partial Shading Conditions	REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE, Volume: 65, Issue: 1-2, Pages: 67-70, Published: JAN-JUN 2020 , ISSN: 0035-4066, Document Type: JOURNAL Paper, WOS:000552052900011 https://apps- webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D2V8Y0tZ5ZLPZwhxkAg&page=1&doc=2&cacheurlFromRightClick=no http://revue.elth.pub.ro/index.php?action=main&year=2020&issue=1	0035-4066	0.67
22.	2020	07	Gordan, C.E; Gordan, I.M; Soproni, VD; Molnar, CO; Arion, MN; Hathazi, FJ	Reduction of the Humidity Contained in the Harvest Cereals by the Means of in High Frequency Electromagnetic Field Processing	INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS (IJACSA), Volume: 11, Issue: 7, Pages: 40-45, Published: JUL 2020 , ISSN: 2158-107X, eISSN: 2156-5570, Document Type: JOURNAL Paper, WOS: 000568850200007 https://apps- webofknowledge-com.am.e-nformation.ro/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D2V8Y0tZ5ZLPZwhxkAg&page=1&doc=1&cacheurlFromRightClick=no	2158-107X 2156-5570	1.324
23.	2020	05	Ovidiu Constantin Novac, Cristian Chilba, Cornelia Mihaela Novac , Cornelia Gordan, Mircea Gordan and Gyongyi Bujdoso	Comparison of DotKernel and Symphony as PHP frameworks	12th International Conference on Electronics, Computers and Artificial Intelligence (ECAI 2020) June, 2020, Pitești, Romania, ISI Proceedings DOI: 10.1109/ECAI50035.2020.9223157 https://ieeexplore.ieee.org/document/9223157		0
24.	2019	06	Mihaela Cornelia Novac , Marius Codrean,	The Numerical Modeling of the Inductive	11th International Conference on Electronics, Computers and Artificial Intelligence, ECAI'2019, June 2019, Pitești, Romania, ISI Proceedings DOI: 10.1109/ECAI46879.2019.9041990		0

			Ovidiu Constantin Novac, Mihaela Codrean, Mihai Oproescu, Gyöngyi Bujdosó	Heating Process at Different Frequencies, Using the FLUX2D Software	https://ieeexplore.ieee.org/document/9041990		
25.	2019	09	Kata Boros, Gyöngyi Bujdosó, Cornelia Mihaela Novac , Ovidiu Constantin Novac	E-Health Promotion virtual reality services in MaxWhere VR spaces – design and development, In: Baranyi, Péter (szerk.)	Proceedings of the 10th IEEE International Conference on Cognitive Infocommunications: CogInfoCom 2019, Piscataway (NJ), Amerikai Egyesült Államok : IEEE, (2019) pp. 389-390. ISI Proceedings DOI: 10.1109/CogInfoCom47531.2019.9089975 https://ieeexplore.ieee.org/document/9089975		0
26.	2019	09	Gyöngyi Bujdosó, Kata Boros, Cornelia Mihaela Novac , Ovidiu Constantin Novac	Developing cognitive processes as a major goal in designing e-health information provider VR environment in information science education	10th IEEE International Conference on Cognitive InfoCommunications, CogInfoCom 2019, 23-25 OCTOBER 2019, Naples, Italy, (paper accepted for publication), ISI Proceedings DOI: 10.1109/CogInfoCom47531.2019.9089958 https://ieeexplore.ieee.org/document/9089958		0
27.	2019	06	Mircea Gordan, Dorina Mioara Purcaru, Marius Codrean, Mihaela Cornelia Novac , Ovidiu Constantin Novac, Mihaela Codrean	Aspects Regarding the Numerical Simulation of the Inductive Heating Process, Using the FLUX2D and FEMM Software	11th International Conference on Electronics, Computers and Artificial Intelligence, ECAI'2019, June 27– June 29, 2019, Pitești, Romania, ISI Proceedings DOI: 10.1109/ECAI46879.2019.9042142 https://ieeexplore.ieee.org/document/9042142		0
28.	2019	06	Ovidiu Ctin Novac, Iulian-Ioan Muresan, Mihaela Cornelia Novac , Mihai Oproescu, Cornelia Gordan, Gyöngyi Bujdosó	Development of a Weather Application in Android and iOS Operating Systems	11th International Conference on Electronics, Computers and Artificial Intelligence, ECAI'2019, June 27– June 29, 2019, Pitești, Romania, ISI Proceedings DOI: 10.1109/ECAI46879.2019.9042141 https://ieeexplore.ieee.org/document/9042141		0
29.	2019	06	Mihaela Codrean, Marius Codrean,	Analyzing the process of tempering a	15th International Conference on Engineering of Modern Electric Systems, ICMES 2019; Oradea; Romania; 13 June 2019 through 14 June 2019; Article number 8795169, Pages 229-232, ISBN: 978-172810773-8, DOI: 10.1109/EMES.2019.8795169 , ISI Proceedings https://www.scopus-com.am.e-nformation.ro/record/display.uri?origin=recordpage&eid=2-s2.0-		0

			Mihaela Novac , Ovidiu Constantin Novac, Cornelia Gordan, Valentin Ioan Farcas	semifinished product using the FLUX2D and FEMM software	<a 60026575"%2ct&sl='20&s=AUTHOR-NAME%28Novac+O%29&relpos=4"' href="https://www.scopus.com/am.e-nformation.ro/record/display.uri?origin=recordpage&eid=2-s2.0-8507212894&citeCnt=0&noHighlight=false&sort=plf-f&src=s&st1=Novac+O&nlo=&nlr=&nls=&sid=a687f7c8a6742c22e7d4e3d06a59470d&sot=b&sdt=cl&cluster=scoafid%2c">8507212894&citeCnt=0&noHighlight=false&sort=plf-f&src=s&st1=Novac+O&nlo=&nlr=&nls=&sid=a687f7c8a6742c22e7d4e3d06a59470d&sot=b&sdt=cl&cluster=scoafid%2c"60026575"%2ct&sl=20&s=AUTHOR-NAME%28Novac+O%29&relpos=4		
30.	2019	06	Mihai Oproescu, Gabriel-Vasile Iana, Nicu Bizon, Ovidiu C-tin Novac, Mihaela Novac	Software and hardware solutions for using the keyboards by blind people	15th International Conference on Engineering of Modern Electric Systems, ICEMES 2019; Oradea; Romania; 13 June 2019 through 14 June 2019; Article number 8795191, Pages 25-28, ISBN: 978-172810773-8, DOI: 10.1109/EMES.2019.8795191, ISI Proceedings <a 60026575"%2ct&sl='20&s=AUTHOR-NAME%28Novac+O%29&relpos=2"' href="https://www.scopus.com/am.e-nformation.ro/record/display.uri?origin=recordpage&eid=2-s2.0-85072159165&citeCnt=0&noHighlight=false&sort=plf-f&src=s&st1=Novac+O&nlo=&nlr=&nls=&sid=a687f7c8a6742c22e7d4e3d06a59470d&sot=b&sdt=cl&cluster=scoafid%2c">https://www.scopus.com.am.e-nformation.ro/record/display.uri?origin=recordpage&eid=2-s2.0-85072159165&citeCnt=0&noHighlight=false&sort=plf-f&src=s&st1=Novac+O&nlo=&nlr=&nls=&sid=a687f7c8a6742c22e7d4e3d06a59470d&sot=b&sdt=cl&cluster=scoafid%2c"60026575"%2ct&sl=20&s=AUTHOR-NAME%28Novac+O%29&relpos=2		0
31.	2019	06	Gabriel-Vasile Iana, Mihai Oproescu, Nicu Bizon, Ovidiu Constantin Novac, Mihaela Novac	Surface scanning device using ultrasound transducers	15th International Conference on Engineering of Modern Electric Systems, ICEMES 2019; Oradea; Romania; 13 June 2019 through 14 June 2019, Article number 8795211, Pages 61-64, ISBN: 978-172810773-8, DOI: 10.1109/EMES.2019.8795211, ISI Proceedings <a 60026575"%2ct&sl='20&s=AUTHOR-NAME%28Novac+O%29&relpos=1"' href="https://www.scopus.com.am.e-nformation.ro/record/display.uri?origin=recordpage&eid=2-s2.0-85072197228&citeCnt=0&noHighlight=false&sort=plff&src=s&st1=Novac+O&nlo=&nlr=&nls=&sid=a687f7c8a6742c22e7d4e3d06a59470d&sot=b&sdt=cl&cluster=scoafid%2c">https://www.scopus-com.am.e-nformation.ro/record/display.uri?origin=recordpage&eid=2-s2.0-85072197228&citeCnt=0&noHighlight=false&sort=plff&src=s&st1=Novac+O&nlo=&nlr=&nls=&sid=a687f7c8a6742c22e7d4e3d06a59470d&sot=b&sdt=cl&cluster=scoafid%2c"60026575"%2ct&sl=20&s=AUTHOR-NAME%28Novac+O%29&relpos=1		0
32.	2019	06	Livia Bandici , Geanina Silviana Banu, Anton Ficai, Denisa Ficai	The Role of Susceptors in the Process of Obtaining Nanopowders using Microwaves	The 15th International Conference on Engineering of Modern Electric Systems Oradea, Romania, 13-14 June 2019 - Proceedings of the 15th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2019) https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000503434500018		0
33.	2019	06	Livia Bandici , Geanina Silviana Banu, Anton Ficai, Denisa Ficai	Obtaining SiO ₂ Nanopowders Using Microwave Field Processing	The 15th International Conference on Engineering of Modern Electric Systems Oradea, Romania, 13-14 June 2019 - Proceedings of the 15th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2019) https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000503434500036		0
34.	2019	06	Gheorghe Emil Bandici, Livia Bandici , Simona Vicaș, Alin Teușdea	Pulsed Electric Field Treatments for Improving the Colour of Red Grape Products	The 15th International Conference on Engineering of Modern Electric Systems Oradea, Romania, 13-14 June 2019 - Proceedings of the 15th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2019) https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000503434500019		0
35.	2019	06	Teodor Leuca , Simina Coman, Nistor Daniel Trip, Livia Bandici , Marius Codrean, Marcel Perte	Neural Network Modeling of a Drying Process in Radio Frequency Field.	The 15th International Conference on Engineering of Modern Electric Systems Oradea, Romania, 13-14 June 2019 - Proceedings of the 15th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2019) https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000503434500049		0
36.	2019	06	Catalin Ionut Grumeza, Livia Bandici ,	Assesment Procedures of the Magnetic Flux	The 15th International Conference on Engineering of Modern Electric Systems Oradea, Romania, 13-14 June 2019 - Proceedings of the 15th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2019)		0

			Paul Cristian Andrei, Mihai Maricar, Florea I. Hantila	Null Value Through a Magnetic Circuit Branch	https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000503434500056		
37.	2019	06	Monica Popa, Sorin Pasca	The study of inhomogeneities effect on the insulation of a power cable	Proceedings of the 15th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2019), Pages: 189-192, 13-14 June 2019, ISBN 978-1-7281-0773-8, Accession Number: WOS:000503434500048 DOI: 10.1109/EMES.2019.8795177 https://ieeexplore.ieee.org/document/8795177		0
38.	2019	05	A.M. Grava, C. Grava	Bond-graph modeling of an electric thermogenerator	Proceedings of the 15th IEEE International Conference on Engineering of Modern Electric Systems (EMES'2019), pp. 213-216, ISBN 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795188, Oradea, Romania, 13-14 June 2019, Accession Number: WOS:000503434500054 https://ieeexplore.ieee.org/document/8795188 DOI: 10.1109/EMES.2019.8795188		0
39.	2019	06	Iulia Naghiu; Teofil Ovidiu Gal; Radu-Dimitrie Sebesan; Gianina Gabor; Laurentiu Copil; Cristian Vancea.	Extracting Essential Oils from the Rosehips in the Microwave Field	15th International Conference on Engineering of Modern Electric Systems (EMES), 13-14 June 2019, DOI: 10.1109/EMES.2019.8795209, Publisher: IEEE, Electronic ISBN: 978-1-7281-0773-8 USB ISBN: 978-1-72810772-1 Print on Demand(PoD) ISBN: 978-1-7281-0774-5, DOI: 10.1109/EMES.2019.8795209, WOS: 000503434500026 https://ieeexplore.ieee.org/document/8795209		0
40.	2019	06	Mioara Sebesan, Gabriela Elena Badea, Radu Sebesan, Ilona Katalin Fodor, Simona Bungau, Simona Ticu (Cotorcea)	Physico chemical monitoring tests of geothermal water production wells	REVISTA DE CHIMIE FOUNDED IN 1949, Impact factor: 1.605, OSIM Nr. R102355, ISSN 0034-7752 ISSN 2537-5733 (CD-ROM), ISSN-L 1582-9049 (Online) Issue: 2019 Volume 70, Number 11, pag.3783 - 3787 WOS 17043266 https://doi.org/10.37358/RC.70.19.11.7647 https://revistadechimie.ro https://revistadechimie.ro/Articles.asp?ID=7647	7752 ISSN 2537-5733 (CD-ROM) ISSN-L 1582-9049	1.605
41.	2019	05	Helga Silaghi, Viorica Spoiala, Alexandru Marius Silaghi, Tiberia Ilias, Gyorodi Cornelia, Claudiu Costea, Sanda Dale, Ovidiu C. Fratila	Automatic Control of Colonoscope Movement for Modern Colonoscopy	International Journal of Advanced Computer Science and Applications IJACSA, Volume 10, Issue 3, 2019 WOS: 000464695700004 ISSN 2158-107X, eISSN 2156-5570 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000464695700004	2158-107X	0.25
42.	2019	11	Francisc Ioan Hathazi, Vasile D Șoproni, Mircea Arion, Carmen Otilia Molnar,	The Use of Microwave Drying Process to the Granular Materials	(IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 10, No.11, 2019, pp.23-29, ISSN: 2156-5570 (Online), ISSN: 2158-107X (Print), (DOI): 10.14569/IJACSA.2019.0101104 Document Type: JOURNAL Paper, WOS: https://thesai.org/Publications/ViewPaper?Volume=10&Issue=11&Code=IJACSA&SerialNo=4	ISSN : 2156-5570, eISSN : 2158-107X	1.324

			Simina Vicaș (Coman), Olimpia S.Mintas				
43.	2019	06	Mihaela Covaciu, Francisc-Ioan Hathazi, Mircea-Nicolae Arion, Vasile- Darie Soproni, Carmen Otilia Molnar, Ovidiu Popovici	Determining the Potential for Recovery, Reuse and Recycling of Construction and Demolition Waste Assisted by High Frequency Electromagnetic Field	13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5, Electronic ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, Document Type: Proceedings Paper, WOS: 000503434500024 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000503434500024		0
44.	2019	06	Mircea-Petru Ursu, Ovidiu-C-tin Novac, Mihai Oproescu, GvöngviBuidosó, Francisc Ioan Hathazi	Comparative Study of the Analog and Digital Operation for Miniature Railway Systems	13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5, Electronic ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, Document Type: Proceedings Paper, WOS: 000503434500035 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000503434500035		0
45.	2019	06	Vasile Darie Soproni, Carmen Otilia Molnar, Francisc Ioan Hathazi, Mircea N Arion, Marius Codrean, Liviu Moldovan	Experimental Research on Microwave Field and Hot Air Drying of Barley Seeds	13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5, Electronic ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, Document Type: Proceedings Paper, WOS: 000503434500029 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000503434500029		0
46.	2019	06	Laurentiu Copil, Francisc-Ioan Hathazi, Mircea-Nicolae Arion, Vasile-Darie Soproni, Carmen Otilia Molnar, Covaciu Mihaela	About the Use of High Frequency Ceramic Susceptors for Industrial Applications	13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5, Electronic ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, Document Type: Proceedings Paper, WOS: 000503434500050 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000503434500050		0
47.	2019	06	Laurentiu Copil, Francisc-Ioan Hathazi, Mircea-Nicolae	Production of Silicon Carbide in a High Frequency	13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5, Electronic ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, Document Type: Proceedings Paper, WOS: 000503434500022 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000503434500022		0

			Arion, Vasile-Darie Soproni, Carmen Otilia Molnar, Mircea-Danut Pantea	Electromagnetic Field. Measuring Thermal Conductivity			
48.	2019	06	Mihaela Covaciu, Vasile-Darie Soproni, Francisc-Ioan Hathazi, Carmen Otilia Molnar, Mircea-Nicolae Arion , Marius Codrean	Decontamination, Drying and Sterilization Assisted by the High Frequency Electromagnetic Field for the Processing of Construction Waste Used on Driveways	13-14 June 2019, 15th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, ISBN: 978-1-7281-0774-5, Electronic ISBN: 978-1-7281-0773-8, DOI: 10.1109/EMES.2019.8795175, Document Type: Proceedings Paper, WOS: 000503434500023 https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/WOS:000503434500023		0
49.	2019	09	Ion Raluca Andreea, Iuliana Dobre, Soproni Vasile Darie	Efficiency versus competitiveness in Romanian agricultur	Case study, sept. 2019, ECONOMICS OF AGRICULTURE, vol.66, iss.3, pp. 691-705, Belgrad, Serbia, ISSN 2334-8453. http://ea.bg.ac.rs/index.php/EA/article/view/1498 DOI: https://doi.org/10.5937/ekoPolj1903691R .	2334-8453	0
50.	2019	06	Stașac Claudia Olimpia , Hoble Dorel Anton, Moldovan Liviu, Costea Traian	Analysis of Variation of Contact Resistance in Electric Devices Under Electric Charge	International Conference of Engineering of Modern Electric Systems (ICEMES), 2019 https://ieeexplore.ieee.org/abstract/document/8795196 https://scholar.google.com/citations?hl=ro&user=s5X-ESsAAAAJ&view_op=list_works&sortby=pubdate		0
Total punctaj Factor de impact							24.1468

4.1.1. Nr. lucrări științifice cotate ISI: **50 × 30 pct. = 1500 pct.**

Total punctaj Factor de impact = 24.1468 pct.

4.1.2. Număr de citări în reviste de specialitate cotate ISI (*citări din perioada de raportare, indiferent când și unde a fost publicat articolul citat*): **153 × 5 pct. = 765**

Nr. crt.	Articolul citat (An / Lună / Autori / Titlul articolului / Revista / ISSN)	Articolul care citează				
		Data publicării		Autor(i)	Titlul articolului	Revista ISI
		An	Lună			
1.	Livia Bandici , Alin Cristian Teusdea, Vasile Darie Soproni, Francisc Ioan Hathazi, Mircea Nicolae Arion, Carmen Otilia Molnar and	2023	07	Manuel Alexandru	Organically Cultivated Vine Varieties-Distinctive Qualities of the Oils Obtained	Sustainability 2023, 15(14) https://www.mdpi.com/2071-1050/15/14/11037
						2071-1050

	Simona Ioana Vicas - The Influence of Microwave Treatments on Bioactive Compounds and Antioxidant Capacity of Mentha piperita L. Materials 2022, 15, 7789. WOS:000882153600001. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/https://doi.org/10.3390/ma15217789 , IF 3.748.			Gitea, Daniela Gitea, Delia Mirela Tit, Simona Gabriela Bungau, Mihaela Alexandra Bogdan, Andrei- Flavius Radu, Francisc Vasile Dulf and Manuela Bianca Pasca	from Grape Seeds		
2.	Livia Bandici, Alin Cristian Teusdea, Vasile Darie Soproni, Francisc Ioan Hathazi, Mircea Nicolae Arion, Carmen Otilia Molnar and Simona Ioana Vicas - The Influence of Microwave Treatments on Bioactive Compounds and Antioxidant Capacity of Mentha piperita L. Materials 2022, 15, 7789. WOS:000882153600001. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/https://doi.org/10.3390/ma15217789 , IF 3.748.	2023	04	Theocharidou, Evdoxios Psomas, Antonios Kolioukas and Christos Ritzoulis	Yogurt Products Fortified with Microwave- Extracted Peach Polyphenols	Gels, 2023, 9(4),	2310-2861
3.	Livia Bandici, Alin Cristian Teusdea, Vasile Darie Soproni, Francisc Ioan Hathazi, Mircea Nicolae Arion, Carmen Otilia Molnar and Simona Ioana Vicas - The Influence of Microwave Treatments on Bioactive Compounds and Antioxidant Capacity of Mentha piperita L. Materials 2022, 15, 7789. WOS:000882153600001. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/https://doi.org/10.3390/ma15217789 , IF 3.748.	2023	01	Zhang, M (Zhang, Ming); Choe, J (Choe, Jeehwan); B, T (Bu, Ting); Liu, SL (Liu, Shuilin); Kim, S (Kim, Sooah)	Comparison of Antioxidant Properties and Metabolite Profiling of <i>Acer pseudoplatanus</i> Leaves of Different Colors	Antioxidants, 2023, 12 (1)	
4.	Livia Bandici, Alin Cristian Teusdea, Vasile Darie Soproni, Francisc Ioan Hathazi, Mircea Nicolae Arion, Carmen Otilia Molnar and Simona Ioana Vicas - The Influence of Microwave Treatments on Bioactive Compounds and Antioxidant Capacity of Mentha piperita L. Materials 2022, 15, 7789. WOS:000882153600001. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/https://doi.org/10.3390/ma15217789 , IF 3.748.	2023	03	Athina Theocharidou, Evdoxios Psomas, Antonios Kolioukas and Christos Ritzoulis	Yogurt Products Fortified with Microwave- Extracted Peach Polyphenols	Gels 2023, 9(4), 266; https://doi.org/10.3390/gels9040266	2310-2861
5.	Livia Bandici, Alin Cristian Teusdea, Vasile Darie Soproni, Francisc Ioan Hathazi, Mircea Nicolae Arion, Carmen Otilia Molnar and Simona Ioana Vicas - The Influence of Microwave Treatments on Bioactive Compounds and Antioxidant Capacity of Mentha piperita L. Materials 2022, 15, 7789. WOS:000882153600001. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/https://doi.org/10.3390/ma15217789 , IF 3.748	2023	06	G. E. Badea, S. Dzitac, L. Marin, A. I. G. Petrehele, C. Porumb and P. G. Badea	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), Oradea, Romania, 2023, doi: 10.1109/EMES58375.2023.10171763.	2836-9866
6.	Livia Bandici, Alin Cristian Teusdea, Vasile Darie Soproni, Francisc Ioan Hathazi, Mircea Nicolae Arion, Carmen Otilia Molnar and Simona Ioana Vicas - The Influence of Microwave Treatments on Bioactive Compounds and Antioxidant Capacity of Mentha piperita L.	2023	06	M. D. Monica et al.	AGILE Project Management Using Jira in Processing of Food Industry	17th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, 2023, doi: 10.1109/EMES58375.2023.10171760.	2836-9866

	Materials 2022, 15, 7789. WOS:000882153600001. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/https://doi.org/10.3390/ma15217789 , IF 3.748						
7.	Livia Bandici , Alin Cristian Teusdea, Vasile Darie Soproni , Francisc Ioan Hathazi , Mircea Nicolae Arion , Carmen Otilia Molnar and Simona Ioana Vicas - The Influence of Microwave Treatments on Bioactive Compounds and Antioxidant Capacity of Mentha piperita L. Materials 2022, 15, 7789. WOS:000882153600001. https://www-webofscience-com.am.e-nformation.ro/wos/woscc/full-record/https://doi.org/10.3390/ma15217789 , IF 3.748	2023	06	I. M. Naghiu, T. O. Gal, C. Vancea, G. Gabor, D. Rus and M. Covaciu	Extracting Essential Oils from the Hawthorn (Crataegus monogyna) in the Microwave Field	17th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, 2023, doi: 10.1109/EMES58375.2023.10171729	2836-9866
8.	Arion, Mircea; Soproni, Darie ; Vicas, Simina; Leuca, Teodor; Hathazi, F Ioan; MOLNAR Carmen, BANDICI Livia , Microwave Drying Process of Corn Seeds, Journal of Electrical and Electronics Engineering; Oradea Vol. 4, Iss. 1, (2011): 11-14.	2023	07	Rute Quelvia de Faria, Amanda R. P. dos Santos, L. ainara C. P. dos Santos Vasco, Yvan Gariepy, Maria M. P. Sartori and Vijaya Raghavan	Quality of Soybean Seeds after Microwave Drying	Appl. Sci. 2023, (14), 8116; https://doi.org/10.3390/app13148116 https://www.mdpi.com/2076-3417/13/14/8116	2076-3417
9.	Mircea - Nicolae, Arion; Livia, Bandici ; Cristian, Teuşdea Alin; Ioana, Vicas Simona; Carmen - Otilia, Molnar ; et al. The Drying of Peppermint Plants Using Microwave Energy, Journal of Electrical and Electronics Engineering; Oradea Vol. 15, Iss. 2, (Oct 2022): 16-20.	2023	06	M. D. Monica et al.	AGILE Project Management Using Jira in Processing of Food Industry	17th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, 2023, doi: 10.1109/EMES58375.2023.10171760	2836-9866
10.	Mircea - Nicolae, Arion; Livia, Bandici ; Cristian, Teuşdea Alin; Ioana, Vicas Simona; Carmen - Otilia, Molnar ; et al. The Drying of Peppermint Plants Using Microwave Energy, Journal of Electrical and Electronics Engineering; Oradea Vol. 15, Iss. 2, (Oct 2022): 16-20.	2023	06	D. I. Rus et al.	Energetic Recovery of Straw Cereal Waste Through the Pyrolysis Process in the Microwave Field	17th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, 2023, doi: 10.1109/EMES58375.2023.10171633	2836-9866
11.	Mircea - Nicolae, Arion; Livia, Bandici ; Cristian, Teuşdea Alin; Ioana, Vicas Simona; Carmen - Otilia, Molnar ; et al. The Drying of Peppermint Plants Using Microwave Energy, Journal of Electrical and Electronics Engineering; Oradea Vol. 15, Iss. 2, (Oct 2022): 16-20.	2023	06	Slovak, L. Bandici, M. Codrean, R. D. Sebesan, B. Şimon and A. Szoke	Comparative Study on the Drying of Wood Chips with Different Humidities and Sizes in a Microwave Field	17th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, 2023, doi: 10.1109/EMES58375.2023.10171709	2836-9866
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13.	Francisc – Ioan Hathazi, Mircea – Nicolae Arion, Darie Soproni Vasile, Otilia Molnar Carmen, Danut Pantea Mircea – The Extraction of Volatile Oils from Parsley Leaves in Microwave Field, 2017 14TH INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (EMES), Pages: 67-70, Published: 2017, JUN 01-02, 2017, ORADEA, ROMANIA, ISBN:978-1-5090-6073-3, Document Type: Proceedings Paper, WOS:000427085200016 http://apps.webofknowledge.com.am.e-nformation.ro/Search.do?product=WOS&SID=E1CiPOr3Ixp2OxGMxg&search_mode=GeneralSearch&prID=e8b9e8b1-9aed-405f-89e9-347338e827a9	2023	05	I. M. Naghiu, T. O. Gal, C. Vancea, G. Gabor, D. Rus and M. Covaciu	"Extracting Essential Oils from the Hawthorn (Crataegus monogyna) in the Microwave Field,"	2023 17th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, 2023, pp. 1-4, doi: 10.1109/EMES58375.2023.10171729.	

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18.	Alexandra-Cristina Tocai (Moțoc), Floricuta Ranga, Andrei George Teodorescu, Annamaria Pallag, Andreea Margareta Vlad, Livia Bandici and Simona Ioana Vicas - Phytochemicals screening and antimicrobial properties of Sanguisorba officinalis L. and Sanguisorba minor Scop. ISSN 2223-7747. Plants, vol. 11, Issue 24 https://1710qexol-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/citation-report/d05c690b-3e5a-4025-b9e9-57cd7f96ae50-c7f56ceb	2023	11	Memete, AR; Miere, F; (...);	An In Vitro Study of the Healing Potential of Black Mulberry (Morus nigra L.) Extract in a Liposomal Formulation	APPLIED SCIENCES-BASEL	
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107.	2017 / L Bandici, T Leuca , S Coman - The use of microwave field energy in the drying process of wooden sticks, 2017 14th International Conference on Engineering of Modern Electric Systems (EMES), pp.95-98	2019	06	Iulia Naghiu; Teofil Ovidiu Gal; Radu-Dimitrie Sebesan; Gianina Gabor; et all	Extracting Essential Oils from the Rosehips in the Microwave Field	2019 15th International Conference on Engineering of Modern Electric Systems (EMES) Oradea INSPEC Accession Number: 18922618 DOI: 10.1109/EMES.2019.8795209 Electronic ISBN:978-1-7281-0773-8 USB ISBN:978-1-7281-0772-1 Print on Demand(PoD) ISBN:978-1-7281-0774-5 https://ieeexplore.ieee.org/document/8795209/references#references	
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133.	2017 / Francisc – Ioan Hathazi, Mircea – Nicolae Arion, Darie Soproni Vasile, Otilia Molnar Carmen, Danut Pantea Mircea – The Extraction of Volatile Oils from Parsley Leaves in Microwave Field, 2017 14TH INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (EMES), Pages: 67-70, Published: 2017, JUN 01-02, 2017, ORADEA, ROMANIA, ISBN:978-1-5090-6073-3, Document Type: Proceedings Paper, WOS:000427085200016	2019	06	Iulia Naghiu; Cornelia-Emilia Gordan; Ioan-Mircea Gordan; Ovidiu-Constantin Novac; Laurentiu Copil; Cristian Vancea	Extraction of Volatile Pumpkin Oils through Cold Pressing versus Microwave Field - Features, Composition and Differences	15th International Conference on Engineering of Modern Electric Systems (EMES), Date of Conference: 13-14 June 2019, DOI: 10.1109/EMES.2019.8795209, Publisher: IEEE, Electronic ISBN: 978-1-7281-0773-8 USB ISBN: 978-1-7281-0772-1 Print on Demand(PoD) ISBN: 978-1-7281-0774-5, DOI: 10.1109/EMES.2019.8795099 WOS: 000503434500025 https://ieeexplore.ieee.org/abstract/document/8795099/references#references	
134.	2017 / Francisc – Ioan Hathazi, Mircea – Nicolae Arion, Darie Soproni Vasile, Otilia Molnar Carmen, Danut Pantea Mircea – The Extraction of Volatile Oils from Parsley Leaves in Microwave Field, 2017 14TH INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (EMES), Pages: 67-70, Published: 2017, JUN 01-02, 2017, ORADEA, ROMANIA, ISBN:978-1-5090-6073-3, Document Type: Proceedings Paper, WOS:000427085200016	2019	06	Livia Bandici, Geanina Silviana Banu, Anton Fikai, Denisa Fikai	Obtaining SiO ₂ Nanopowders Using Microwave Field Processing,	15th International Conference on Engineering of Modern Electric Systems (EMES), Date of Conference: 13-14 June 2019, DOI: 10.1109/EMES.2019.8795209, Publisher: IEEE, Electronic ISBN: 978-1-7281-0773-8 USB ISBN: 978-1-7281-0772-1 Print on Demand(PoD) ISBN: 978-1-7281-0774-5, DOI: 10.1109/EMES.2019.8795099 WOS: 000503434500036 https://ieeexplore.ieee.org/document/8795170/references#references	
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	SYSTEMS (EMES), Pages: 71-74, Published: 2017, JUN 01-02, 2017, ORADEA, ROMANIA, ISBN:978-1-5090-6073-3, Document Type: Proceedings Paper, WOS:000427085200017			Sebesan; Gianina Gabor; Laurentiu Copil; Cristian Vancea		Electronic ISBN: 978-1-7281-0773-8 USB ISBN: 978-1-7281-0772-1 Print on Demand(PoD) ISBN: 978-1-7281-0774-5, DOI: 10.1109/EMES.2019.8795209 WOS: 000503434500026 https://ieeexplore.ieee.org/document/8795209/refere nces#references	
136.	2017 / Mircea – Nicolae Arion, Francisc – Ioan Hathazi, Otilia Molnar Carmen, Darie Soproni Vasile, Mihaela Novac – Study on microwave field extraction of the celery essential oils, 2017 14TH INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (EMES), Pages: 71-74, Published: 2017, JUN 01-02, 2017, ORADEA, ROMANIA, ISBN:978-1-5090-6073-3, Document Type: Proceedings Paper, WOS:000427085200017	2019	06	Iulia Naghiu; Cornelia- Emilia Gordan; Ioan- Mircea Gordan; Ovidiu- Constantin Novac; Laurentiu Copil; Cristian Vancea	Extraction of Volatile Pumpkin Oils through Cold Pressing versus Microwave Field - Features, Composition and Differences	15th International Conference on Engineering of Modern Electric Systems (EMES), Date of Conference: 13-14 June 2019, DOI: 10.1109/EMES.2019.8795209, Publisher: IEEE, Electronic ISBN: 978-1-7281-0773-8 USB ISBN: 978-1-7281-0772-1 Print on Demand(PoD) ISBN: 978-1-7281-0774-5, DOI: 10.1109/EMES.2019.8795099 WOS: 000503434500025 https://ieeexplore.ieee.org/abstract/document/8795099/references#references	
137.	2017 / Mircea – Nicolae Arion, Francisc – Ioan Hathazi, Otilia Molnar Carmen, Darie Soproni Vasile, Mihaela Novac – Study on microwave field extraction of the celery essential oils, 2017 14TH INTERNATIONAL CONFERENCE ON ENGINEERING OF MODERN ELECTRIC SYSTEMS (EMES), Pages: 71-74, Published: 2017, JUN 01-02, 2017, ORADEA, ROMANIA, ISBN:978-1-5090-6073-3, Document Type: Proceedings Paper, WOS:000427085200017	2019	06	Livia Bandici, Geanina Silviana Banu, Anton Ficai, Denisa Ficai	Obtaining SiO ₂ Nanopowders Using Microwave Field Processing,	15th International Conference on Engineering of Modern Electric Systems (EMES), Date of Conference: 13-14 June 2019, DOI: 10.1109/EMES.2019.8795209, Publisher: IEEE, Electronic ISBN: 978-1-7281-0773-8 USB ISBN: 978-1-7281-0772-1 Print on Demand(PoD) ISBN: 978-1-7281-0774-5, DOI: 10.1109/EMES.2019.8795099 WOS: 000503434500036 https://ieeexplore.ieee.org/document/8795170/refere nces#references	
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143.	Novac, O. C.; Maries, Gh. R.E.; Chira, D.; Novac Mihaela - Study Concerning the Influence of the Grinding Percentage on Some Electrical Properties of PA 6.6, POM and ABS by Methods for Determining Relative Permittivity and the Dielectric Dissipation Factor	2019	07	Tao, Jie; Cao, Shun-an; Liu, Wei; et al.	Facile preparation of high dielectric flexible films based on titanium dioxide and cellulose nanofibrils	CELLULOSE Volume: 26 Issue: 10 Pages: 6087-6098 Published: JUL 2019, https://link.springer.com/article/10.1007/s10570-019-02495-w	
144.	Novac, O. C.; Maries, Gh. R.E.; Chira, D.; Novac Mihaela - Study Concerning the Influence of the Grinding Percentage on Some Electrical Properties of PA 6.6, POM and ABS by Methods for Determining Relative Permittivity and the Dielectric Dissipation Factor	2019	05	Spina, Roberto; Cavalcante, Bruno	Preliminary analysis of grinding of PA66 thermoplastics	Conference: 22nd International ESAFORM Conference on Material Forming (ESAFORM) Location: Vitoria, SPAIN Date: MAY 08-10, 2019, Sponsor(s): European Sci Assoc Mat Forming; Mondragon; Arrasate, Fagor; Transvalor; ESI; Data M PROCEEDINGS OF THE 22ND INTERNATIONAL ESAFORM CONFERENCE ON MATERIAL FORMING (ESAFORM 2019) Book Series: AIP Conference Proceedings Volume: 2113 Article Number: 130012 Published: 2019 https://aip.scitation.org/doi/abs/10.1063/1.5112672	

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148.	2009/ Novac M. , Vladu E., Novac O., Gordan M., Aspects regarding the optimization of the induction heating process using fmincon, minimax functions and simple genetic algorithm, Journal of Electrical and Electronics Engineering, 2 (2) , pp.64-69	2019	10	Zhao, T., Xue, T.-W., Guo, Z.-Y.	Entransy based analysis and optimization for single-effect absorption heat chiller	ECOS 2019 - Proceedings of the 32nd International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems, pp. 821-832, https://www.sciencedirect.com/science/article/abs/pii/S1359431119383152	
149.	2009/ Novac M. , Vladu E., Novac O., Gordan M., Aspects regarding the optimization of the induction heating process using fmincon, minimax functions and simple genetic algorithm, Journal of Electrical and Electronics Engineering, 2 (2) , pp.64-69.	2019	01	Rincón Santamaría, A., Cuellar Gil, J.A., Valencia Gil, L.F., Sánchez Toro, O.J.	Kinetics of gluconacetobacter diazotrophicus growth using cane molasses and sucrose: Assessment of kinetic models [Cinética de crecimiento de gluconacetobacter diazotrophicus usando melaza de caña y sacarosa: Evaluación de modelos cinéticos]	Acta Biologica Colombiana 24(1), pp. 38-57, https://pesquisa.bvsalud.org/portal/resource/pt/bibli-o-989038	
150.	Novac, O. C.; Maries, Gh.R. E.; Chira, D.; Novac M.C. - Studying the Influence of Temperatures, Used for Processing ABS, PA 6.6 and POM, on Certain Electrical Properties, when Injection Moulding Items for the Automotive Industry, by Methods Employed for Determining Relative Permittivity and the Dielectric Dissipation Factor	2019	03	Caramitu, Alina-Ruxandra; Mitrea, Sorina; Marinescu, Virgil; et al	Dielectric Behavior and Morphostructural Characteristics of Some HDPE Composites / Metal Nanopowders	MATERIALE PLASTICE Volume: 56 Issue: 1 Pages: 103-109 Published: MAR 2019, https://www.revmaterialleplastice.ro/pdf/21%20CARAMITU%201%2019.pdf	
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				Schwarzlmuller, Markus Gutmann, Kyandoghre Kyamakya		016-0569-z	
152.	2005/ A. Gacsádi, C. Grava, A. Grava - Medical image enhancement by using cellular neural networks, Proceedings of the 32th annual IEEE International Conference on Computers in Cardiology, CinC 2005, Lyon, France, ISBN 0-7803-9337-6, IEEE Catalog Number 05CH37712, pp. 821-824, 25-28 September 2005	2019	08	M. Yadav, Dr.Sanjay Angira, N. Kumar	Analytical study on any gate logic function as a pull-up network of pMOS transistors and a pull-down network of nMOS transistors	Conference Proceedings 2142(1):040026, ADVANCES IN BASIC SCIENCE (ICABS 2019), DOI: 10.1063/1.5122363, https://www.scopus.com/abstract/doi/10.1063/1.5122363	
153.	2008/ Fireteanu, V.; Tudorache, T.; Popa, M.; Pasca, S ; Finite Element Analysis of Aluminum Billet Heating by Rotation in DC Magnetic Fields, Przegląd Elektrotechniczny (Electrotechnical Review), 11/2008, 84, ISSN 0033-2097, pp. 115-119	2019	05	Chai, Yong-Yoong; Yoon, Kwang-Yeol	Development of Heater Driven by Motor by Using Eddy Current	The Journal of the Korea institute of electronic communication sciences, Volume 14, Issue 5, pp. 935-942, 2019, ISSN 1975-8170, link: https://www.koreascience.or.kr/article/JAKO201930968616260.page	1975-8170

4.1.2. Număr de citări în reviste de specialitate cotate ISI **153 × 5 pct. = 765 pct.**

Total punctaj 4.1. 1500 + 24,1468 + 765 = 2289,1468 pct.

4.2. Brevete de invenție

4.2.1. Număr de brevete **0×30=0**

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

4.2.2. Număr de citări de brevete în sistemul ISI (*citări în reviste ISI din perioada de raportare, indiferent când a fost acordat brevetul*): **0×5=0**

Nr. crt.	Brevetul citat (An / Lună / Autori / Denumire brevet / Institutia care a acordat brevetul / Tip brevet)	Articolul ISI care citează brevetul				
		Data publicării		Autor(i)	Titlul articolului	Revista ISI
		An	Lună			
1						

TOTAL PUNCTAJ CAPITOLUL 4: 2289,1468 pct.

Punctaj pe membru centru, criteriile primare de performanță: **2289,1468 /14 = 163,5105 puncte/membru**

5. CRITERII SECUNDARE DE PERFORMANȚĂ

5.1. Lucrări publicate în reviste de specialitate fără cotație ISI: $14 \times 5 = 70$ pct.

Nr. crt.	Data publicării		Autor(i)	Titlul lucrării	Revista	ISSN	Tipul revistei
	An	Luna					
1.	2023	06	Mihaela Cornelia Novac , Marius Codrean, Mircea Gordan, Mihaela Codrean, Mihai Oproescu, Ovidiu Constantin Novac and Francisc Slovac	The Optimal Shape of the Surface Hardening Head Obtained by Numerical Modeling	ECAI 2023, 15 th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), June 29– June 30, 2023, București, Romania, ISBN 979-8-3503-2138-8, https://ieeexplore.ieee.org/document/10193940		BDI
2.	2023	06	Andrei Darii, Maximilian Moll, Marian Sorin Nistor, Stefan Pickl, Ovidiu Constantin Novac, Cornelia Mihaela Novac , Ioan Mircea Gordan and Cornelia Emilia Gordan	Analysis, Combination and Integration of Neuroevolution and Backpropagation Algorithms for Gaming Environment	ECAI 2023, 15 th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), June 29– June 30, 2023, București, Romania, ISBN: 979-8-3503-2138-8, https://ecai.ro/lib/plj6dx/PROGRAM-ECAI-2023-web-lmx3k8wz.pdf https://ieeexplore.ieee.org/document/10193958		BDI
3.	2023	06	Ovidiu Constantin Novac, David Ghiurău, Mihaela Cornelia Novac , Cornelia Emilia Gordan, Mihai Oproescu, Gyongyi Bujdosó and Vlad Ovidiu Mihalca	Comparison of Node.js and Spring Boot in Web Development	ECAI 2023, 15 th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), June 29– June 30, 2023, București, Romania, ISBN: 979-8-3503-2138-8, https://ecai.ro/lib/plj6dx/PROGRAM-ECAI-2023-web-lmx3k8wz.pdf https://ieeexplore.ieee.org/document/10194025		BDI
4.	2023	06	Adriana-Gabriela Schiopu, Mihai Oproescu, Ionut Bulgaru, Ovidiu Constantin Novac,	Formation of Specific Competences in the Engineering Career by	ECAI 2023, 15 th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), June 29– June 30, 2023, București, Romania, ISBN 979-8-3503-2138-8, https://ecai.ro/lib/plj6dx/PROGRAM-ECAI-2023-web-lmx3k8wz.pdf https://ieeexplore.ieee.org/abstract/document/10193973		BDI

			Mihaela Cornelia Novac and Gabriel Vasile Iana	Educational Software – methodological landmarks applied to the “Initiation in research” discipline			
5.	2023	06	Marius Codrean, Mihaela Cornelia Novac , Mihaela Codrean, Cornelia Emilia Gordan, Ovidiu Constantin Novac, Gyongyi Bujdosó and Francisc Slovac	Numerical solution of the problem of turbulent currents that occur in the case of edge hardening	ECAI 2023, 15 th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), June 29– June 30, 2023, București, Romania, ISBN 979-8-3503-2138-8, https://ecai.ro/lib/plj6dx/PROGRAM-ECAI-2023-web-lmx3k8wz.pdf		BDI
6.	2022	04	Diana MESAROS, Tiberiu COLOSI Alexandru Marius SILAGHI , Zoltan KOVENDI, Anca PACALA	Numerical Modeling of a Propagation Process Using (Mpdx) Matrix Associated to Second Order Partial Differential Equations with Two Independent Variables	The Scientific Bulletin of Electrical Engineering Faculty SBEEF, ISSN (Online) 2286-2455, Vol.22, issue 1/2022, pp.1-5 https://sciendo.com/issue/sbeef/22/1 https://sciendo.com/article/10.2478/sbeef-2022-0009	2286-2455	BDI
7.	2021	04	Rodica VARBAN, Diana MESAROS, Alexandru Marius SILAGHI , Tiberiu COLOSI.	Humidity Control of Agricultural Soil Using Analog Modeling	The Scientific Bulletin of Electrical Engineering Faculty SBEEF, ISSN (Online) 2286-2455, Vol.21, issue 2/2021, pp.1-5 https://sciendo.com/issue/SBEEF/21/2	2286-2455	BDI
8.	2021	12	SAS Diana, SILAGHI Helga, MESAROS A., NEAGU M., SPOIALA D., Silaghi M.	Marketing Online Using Change Request Management	The Scientific Bulletin of Electrical Engineering Faculty SBEEF, ISSN (Online) 2286-2455, Vol.21, issue 1/2021, pp.1-5 https://sciendo.com/issue/SBEEF/21/1	2286-2455	BDI
9.	2020	05	Bandici Livia , Țelea Darius, Pancu Rareș, Leuca Teodor	Aspects Regarding the Surface Hardening of Flat-Shaped Workpieces Using Inductive Equipment	Journal of Electrical and Electronics Engineering, vol. 13, nr. 1, may 2020. https://electroinf.uoradea.ro/index.php/volumes-2/jeee-vol-13-nr-1-may-2020.html		BDI
10.	2020	09	Sas Diana, Colosi	Dimensional	Journal of Computer Science and Control Systems, Oradea, Vol.13, Nr.2, 2020, pp. 20-25	1844-6043	BDI

			Tiberiu, Silaghi Helga, Silaghi Marius , Kovendi Z, Coroiu Laura, Gergely E, Costea C, Dobocan Corina	Study of Matrix of Partial Derivatives of the State Vector (Mpdx) Method	http://electroinf.uoradea.ro/index.php/reviste/jcscs/12-cercetare/reviste/jcscs/213-1st-issue-vol-13-nr-2.html		
11.	2019	04	Alexandru Marius Silaghi , Ulrich Rohde, Ajay Poddar, Helga Silaghi, Tiberia Ilias, OC Fratila	Important Aspects of Human Blood Exposure in the Radio and Microwave Field	The Scientific Bulletin of Electrical Engineering Faculty SBEEF, Vol.19, issue 1/2019 http://www.degruyter.com/view/j/sbeef/2019 https://content.sciendo.com/view/journals/sbeef/19/1/article-p23.xml	2286-2455	BDI
12.	2019	06	Bujdosó, Gyöngyi; Novac, C.M. ; Novac, O.C.; Aranyi, F.	Creative skills in VR – Developing students' creative skills by using immersive virtual reality in teacher training	In: ICERI2019 Proceedings, IATED Academy, (2019) pp. 666-672. , 7 p.		BDI
13.	2019	05	Kata Boros, Gyöngyi Bujdosó, Cornelia Mihaela Novac , Ovidiu Constantin Novac	E-Health Promotion virtual reality services in MaxWhere VR spaces – design and development	Proceedings of the 10th IEEE International Conference on Cognitive Infocommunications: CogInfoCom 2019, Piscataway (NJ), Amerikai Egyesült Államok: IEEE, (2019) pp. 389-390. 2 p, ISI Proceedings https://ieeexplore.ieee.org/document/9089975		BDI
14.	2019	10	R. Porumb, N.Golovanov, Mădălina ARHIP-CĂLIN, F-I HATHAZI	The Challenges Of Modern Measuring Systems In The Context Of Smart Electrical Networks	EMERG Serie nouă, An V, vol. 10 / 2019, ISSN 2457-5011, Document Type: JOURNAL Paper, ISSN 2457-5011 https://emerg.ro/files/the-challenges-of-modern-measuring-systems-in-the-context-of-smart-electrical-networks/ https://www.doi.org/10.37410/EMERG.2019.10.07 http://cnr-cme.ro/wp-content/uploads/2019/11/EMERG-10-corectat-13.11_compressed.pdf	2457-5011	BDI
Total punctaj						70	

5.1. Lucrări publicate în reviste de specialitate fără cotație ISI: $14 \times 5 = 70$ puncte

5.2. Lucrări științifice prezentate la conferințe internaționale cu comitet de program: $19 \times 5 = 95$ pct.

Nr. crt.	Data publicării		Autor(i)	Titlul lucrării	Conferința
	An	Luna			
1.	2023	11	STASAC, Claudia Olimpia, ARION Mircea Nicolae	The Modeling of the Inductive Heating Process of a Cylindrical Part at two Different Frequencies, in Order to Optimize a process of Joining an	International Symposium on Fundamentals of Electrical Engineering, November 16 - 18, 2023, Bucharest, Romania http://isfee.elth.pub.ro/isfee2023/

				Assembly of Parts Made of Different Materials	
2.	2023	07	Tomșe Marin Titus, Stașac Claudia Olimpia , Țepelea Laviniu.	System with AFDD for Electric Arc Study with Analysis in Lab View	17th International Conference on Engineering of Modern Electric Systems, EMES 2023, DOI: 10.1109/EMES58375.2023.10171700; https://ieeexplore.ieee.org/document/10171700
3.	2023	07	Tomșe Marin Titus, Stașac Claudia Olimpia , Tomșe Andrei Dan.	Detection and Monitoring System of Disturbances in Electrical Networks	17th International Conference on Engineering of Modern Electric Systems, EMES 2023, DOI: 10.1109/EMES58375.2023.10171655; https://ieeexplore.ieee.org/document/10171655
4.	2023	07	Francisc Slovak, Livia Bandici , Marius Codrean, Radu Dimitrie Sebesan , Bianca Șimon, Adrian Szoke	Comparative Study on the Drying of Wood Chips with Different Humidities and Sizes in a Microwave Field.	17 th International Conference on Engineering of Modern Electric Systems, EMES 2023. DOI 10.1109/EMES58375.2023.10171709. https://1711nfr9l-y-https-www-scopus-com.z.e-nformation.ro/record/display.uri?eid=2-s2.0-85166325549&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=count-f&sid=808f379c50cd71f3a81a1f4ebfbf0b3e&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=1&citeCnt=0&searchTerm=/
5.	2023	07	Rus, D.I., Szoke, A., Covaciu, M., Simon, Bianca Florica, Hathazi, Francisc Ioan, Arion, Mircea Nicolae, Bandici, Livia	Study on The High-Frequency Electromagnetic Field Pyrolysis Process of Office and Stationery Waste.	17 th International Conference on Engineering of Modern Electric Systems, EMES 2023. DOI 10.1109/EMES58375.2023.10171732. https://1711ncr7o-y-https-www-scopus-com.z.e-nformation.ro/record/display.uri?eid=2-s2.0-85166320755&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=count-f&sid=808f379c50cd71f3a81a1f4ebfbf0b3e&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=2&citeCnt=0&searchTerm=/
6.	2023	07	Slovak, F., Bandici, Livia , Codrean, M., Sebesan, R.D.	Aspects Regarding the Microwave Drying of Oak Wood Chips.	17 th International Conference on Engineering of Modern Electric Systems, EMES 2023. DOI 10.1109/EMES58375.2023.10171727. https://1711ncr7o-y-https-www-scopus-com.z.e-nformation.ro/record/display.uri?eid=2-s2.0-85166314362&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=count-f&sid=808f379c50cd71f3a81a1f4ebfbf0b3e&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=3&citeCnt=0&searchTerm=/
7.	2023	07	Rus Daiana Ioana, Covaciu Mihaela, Simon Bianca Florica, Hathazi, Francisc Ioan, Arion Mircea Nicolae, Bandici Livia, Molnar Carmen Otilia, Soproni Vasile Darie	Energetic Recovery of Straw Cereal Waste Through the Pyrolysis Process in the Microwave Field.	17 th International Conference on Engineering of Modern Electric Systems, EMES 2023. DOI 10.1109/EMES58375.2023.10171633. https://1711ncr7o-y-https-www-scopus-com.z.e-nformation.ro/record/display.uri?eid=2-s2.0-85166292764&origin=resultslist&sort=plf-f&src=s&st1=Bandici&st2=L*&nlo=1&nlr=100&nls=count-f&sid=808f379c50cd71f3a81a1f4ebfbf0b3e&sot=anl&sdt=aut&sl=35&s=AU-ID%28%22Bandici%2c+Livia%22+25521365500%29&relpos=4&citeCnt=0&searchTerm=/
8.	2023	07	Pantea Mircea Dănuț , Codrean Marius, Codrean Mihaela, Fekete-Nagy Luminița, Burca Adrian, Pancu Rareș and Onadi Robert	Study on the Implementation of Heat Pumps for Home Heating with the Help of Solar Energy	17 th International Conference on Engineering of Modern Electric Systems Oradea, Romania, 9 - 10 June 2023 https://www.icemes.uoradea.ro/icemes2023/conference-program.html , https://ieeexplore.ieee.org/document/10171690
9.	2023	07	Popa Monica, Pasca Sorin	Series Arc Fault in Low Voltage Electrical Circuits	2023 17th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, 2023, pp. 1-4, doi: 10.1109/EMES58375.2023.10171764 https://ieeexplore.ieee.org/document/10171764
10.	2022	11	Arion Mircea – Nicolae, Bandici Livia , Teușdea Alin Cristian, Vicaș Simona Ioana, Molnar	The Drying of Peppermint Plants Using Microwave Energy	JEEE, Volume 15, Number 2, October 2022, pp.16-20 https://electroinf.uoradea.ro/images/articles/CERCETARE/Reviste/JEEE/JEEE_V15_N2_OCT_2022/ARION%20JEEE%202022.pdf https://www.proquest.com/openview/93b8cba628c244d48eba3e0cdc388941/1?pq-origsite=gscholar&cbl=54417

			Carmen – Otilia, Șoproni Vasile – Darie, Hathazi Francisc – Ioan, Györödi Cornelia – Aurora		
11.	2022		Tibor Roskó, Gyöngyi Bujdosó, Cornelia Mihaela Novac , Ovidiu Constantin Novac, Gergő József Szöllősi	Improving students' privacy awareness – Analysis of a pilot survey to design a VR environment for self-paced learning	IEEE International Conference on Cognitive InfoCommunications, CogInfoCom 2022, online, ISI Proceedings, DOI: https://doi.org/10.5281/zenodo.6860713 https://zenodo.org/record/6860713#.Y8UURnZBxPY
12.	2022	07	Gyöngyi Bujdosó, Cornelia Mihaela Novac , Ovidiu Constantin Novac, Tibor Roskó, K. Teperics,	Experiences With the use of Virtual Reality Environments In Education – Identifying Difficulties And Possible Solutions During Thesis Work	EDULEARN22, ISI Proceedings, 14th International Conference on Education and New Learning Technologies, 4-6 July, 2022, Palma, Spain, ISBN: 978-84-09-42484-9, ISSN: 2340-1117, pp. 10216-10221, DOI: 10.21125/edulearn.2022.2471 https://library.iated.org/view/BUJDOSO2022EXP?re=downloadnotallowed
13.	2021	10	Tibor Roskó, Gyöngyi Bujdosó, Cornelia Mihaela Novac , Ovidiu Constantin Novac	Enhancing students' privacy awareness: theory and practice on personal data protection through a VR environment	12th IEEE International Conference on Cognitive InfoCommunications, CogInfoCom 2021, 23-25 OCTOBER 2021, online, https://drive.google.com/file/d/1oLTPgwgRDL8IyGt76GxzqReFHSkvFzWl/view https://m2.mmt.hu/api/publication/32464710
14.	2021	06	Cornelia Mihaela Novac , Ovidiu Constantin Novac, Raluca Marina Sferle, Mircea Ioan Gordan, Gyongyi Bujdoso and Camelia Maria Dindelegan	Comparative study of some applications made in the Vue.js and React.js frameworks	16th International Conference on Engineering of Modern Electric Systems, ICMES 2021; Oradea; Romania; 10 June 2021 through 11 June 2021; Article number 9484149, ISBN: 978-172810773-8, DOI: 10.1109/EMES52337.2021.9484149 https://ieeexplore.ieee.org/document/9484149
15.	2021	06	Ovidiu-Constantin Novac, Damaris Emilia Madar, Cornelia Mihaela Novac , Gyongyi Bujdoso, Mihai Oproescu and Teofil Gal	Comparative study of some applications made in the Angular and Vue.js frameworks	16th International Conference on Engineering of Modern Electric Systems, ICMES 2021; Oradea; Romania; 10 June 2021 through 11 June 2021; Article number 9484150, ISBN: 978-172810773-8, DOI: 10.1109/EMES52337.2021.9484150 https://ieeexplore.ieee.org/abstract/document/9484150
16.	2019	10	Gyöngyi Bujdosó, Kata Boros, Cornelia Mihaela Novac , Ovidiu Constantin Novac	Developing cognitive processes as a major goal in designing e-health information provider VR environment in information science education	10th IEEE International Conference on Cognitive InfoCommunications, CogInfoCom 2019, 23-25 OCTOBER 2019, Naples, Italy, ISI Proceedings https://ieeexplore.ieee.org/document/9089958
17.	2019	06	Gabriel-Vasile Iana, Mihai Oproescu, Nicu Bizon, Ovidiu Constantin Novac, Mihaela Novac	Surface scanning device using ultrasound transducers	ICMES 2019; Oradea; Romania; 13 June 2019 through 14 June 2019, Article number 8795211, Pages 61-64, ISBN: 978-172810773-8, DOI: 10.1109/EMES.2019.8795211, ISI Proceedings https://www.scopus-com.am.e-nformation.ro/record/display.uri?origin=recordpage&eid=2-s2.0-85072197228
18.	2019	06	Mihai Oproescu, Gabriel-Vasile Iana, Nicu Bizon, Ovidiu Constantin Novac, Mihaela Novac	Software and hardware solutions for using the keyboards by blind people	15th International Conference on Engineering of Modern Electric Systems, ICMES 2019; Oradea; Romania; 13 June 2019 through 14 June 2019; Article number 8795191, Pages 25-28, ISBN: 978-172810773-8, DOI: 10.1109/EMES.2019.8795191, ISI Proceedings https://ieeexplore.ieee.org/abstract/document/8795191
19.	2019	06	Mihaela Codrean, Marius	Analyzing the process of tempering a	15th International Conference on Engineering of Modern Electric Systems, ICMES 2019;

			Codrean, Mihaela Novac , Ovidiu Constantin Novac, Cornelia Gordan, Valentin Ioan Farcas	semifinished product using the FLUX2D and FEMM software	Oradea; Romania; 13 June 2019 through 14 June 2019; Article number 8795169, Pages 229-232, ISBN: 978-172810773-8, DOI: 10.1109/EMES.2019.8795169, ISI Proceedings https://www-scopus-com.am.e-nformation.ro/record/display.uri?origin=recordpage&eid=2-s2.0-85072212894&citeCnt=0&noHighlight=false&sort=plf-f&src=s&st1=Novac+O&nlo=&nlr=&nls=&sid=a687f7c8a6742c22e7d4e3d06a59470d&sot=b&sdt
Total punctaj					95

5.2. Număr de comunicări prezentate: $19 \times 5 = 95$ puncte

TOTAL PUNTAJ CAP. 5. $70 + 95 = 165$ puncte

Număr de puncte/persoană obținute din criteriile secundare de performanță. Punctaj pe membru centru **$165 / 14 = 11,7856$ puncte / membru**

6. PRESTIGIUL PROFESIONAL

6.1.	Membrii (incluzând statutul de recenzor) în colectivele de redacție ale unor reviste (cotate ISI sau incluse în baze de date internaționale) sau în colectivele editoriale ale unor edituri internaționale recunoscute 69× 20= 1380
1.	Hathazi Francisc - Ioan - Organizing Committee - ICEMES 2023 , 17 th International Conference on Engineering of Modern Electric Systems - Conference Chairmen https://www.icemes.uoradea.ro/icemes2023/committees.html
2.	Hathazi Francisc - Ioan - Technical Programme Committee - ICEMES 2023 , 17 th International Conference on Engineering of Modern Electric Systems https://www.icemes.uoradea.ro/icemes2023/conference-program.html
3.	Hathazi Francisc - Ioan - Executive Editor - JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING - Executive Editors, 1 st issue: JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, Vol. 16, no. 1, May 2023, P-ISSN: 1844-6035 E-ISSN: 2067-212 CD-ISSN: 2067–211X Place of publishing: Oradea, Romania Year of the first issue: 1967 Releasing frequency: 2 / year https://electroinf.uoradea.ro/index.php/volumes-2/jeee-vol-18-no-1-may-2022.html
4.	Hathazi Francisc - Ioan - Executive Editor - JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING - Executive Editors, 2 nd issue: JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, Vol. 16, no. 2, October 2023, P-ISSN: 1844-6035 E-ISSN: 2067-212 CD-ISSN: 2067–211X Place of publishing: Oradea, Romania Year of the first issue: 1967 Releasing frequency: 2 / year https://electroinf.uoradea.ro/index.php/volumes-2/jeee-vol-17-no-2-october-2022.html
5.	Molnar Carmen Otilia - Recenzor - ICEMES 2023 , 17 th International Conference on Engineering of Modern Electric Systems, https://www.icemes.uoradea.ro/icemes2023/committees.html https://easychair.org/conferences/review_requests?a=30811902
6.	Molnar Carmen Otilia - Membră în comitetul de organizare al conferinței „International Conference on EMES” ICEMES 2023 . 9-10 Iulie 2023 https://www.icemes.uoradea.ro/icemes2023/committees.html
7.	Molnar Carmen Otilia - Recenzor - JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING - 2023, P-ISSN: 1844-6035, E-ISSN: 2067-2128, CD-ISSN: 2067–211X JEEE (uoradea.ro)
8.	Arion Mircea Nicolae - Recenzor The 17 th International Conference on Engineering of Modern Electric Systems, Oradea, 9-10 June 2023.
9.	Arion Mircea Nicolae- Conference Session Chair / Electrical Engineering Session - The 17 th International Conference on Engineering of Modern Electric Systems, Oradea, 9-10 June 2023. https://www.icemes.uoradea.ro/icemes2023/committees.html
10.	Bandici Livia - Recenzor - Innovative Food Science and Emerging Technologies - 2023
11.	Bandici Livia - Recenzor - Recenzor The 17 th International Conference on Engineering of Modern Electric Systems, Oradea, 9-10 June 2023
12.	Bandici Livia - Recenzor - REVUE ROUMAINE DES SCIENCES TECHNIQUES — SÉRIE ÉLECTROTECHNIQUE ET ÉNERGÉTIQUE - 2023
13.	Soproni Vasile Darie - Organizing Committee The 17 th International Conference on Engineering of Modern Electric Systems, Oradea, June 2023. ICEMES (uoradea.ro)
14.	Soproni Vasile Darie - Recenzor - The 17 th International Conference on Engineering of Modern Electric Systems, Oradea, June 2023. ICEMES (uoradea.ro)
15.	Soproni Vasile-Darie – Recenzor - JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING - 2023, P-ISSN: 1844-6035, E-ISSN: 2067-2128, CD-ISSN: 2067–211X JEEE (uoradea.ro)
16.	Soproni Vasile Darie - Technical Programme Committee - Sesiunea de comunicări științifice a studenților electrotehniști ISEEM - S - 2023, Stâna de Vale 18 - 21 mai 2023 https://ieti.uoradea.ro/images/Studenti/01infoSTUDENTI/Afis_ISEEM_Stana_de_vale_2023.jpg
17.	Grava Adriana Marcela - Recenzor The 17 th International Conference on Engineering of Modern Electric Systems, Oradea, 9-10 June 2023
18.	Novac Cornelia Mihaela – Recenzor -5 lucrari ICEMES 2023 https://easychair.org/conferences/review_all.cgi?my=yes&a=30342465
19.	Novac Cornelia Mihaela - Recenzor -2 lucrari ECAI 2023 , https://ecai.ro/conference-program--proceedings https://easychair.org/conferences/review_all.cgi?my=yes&a=30342465

20.	Novac Cornelia Mihaela - Membră în comitetul de program (PC member) la conferința ECAI 2023, https://ecai.ro/lib/plj6dx/PROGRAM-ECAI-2023-web-lmx3k8wz.pdf https://ecai.ro/organizers
21.	Pantea Mircea Dănuț – Recenzor , The 17 th International Conference on Engineering of Modern Electric Systems Oradea, Romania, 9 - 10 June 2023, ICEMES2023
22.	Popa Monica- Recenzor - 17 th International Conference on Engineering of Modern Electric Systems (ICEMES2023). – 2 lucrări, 2023
23.	Pașca Sorin Dorel - Recenzor - 17 th International Conference on Engineering of Modern Electric Systems (ICEMES2023). – 1 lucrare, 2023
24.	Stașac Claudia Olimpia - Recenzor - 17 th International Conference on Engineering of Modern Electric Systems (ICEMES2023). – 1 lucrare, 2023
25.	Silaghi Alexandru Marius - Membru în colectivul de redacție și Recenzor - The Scientific Bulletin of Electrical Engineering Faculty, ISSN (Online) 2286-2455, 2023
26.	Hathazi Francisc - Ioan - Executive Editor - JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING - Executive Editors, 1st issue: JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, Vol. 15, no. 1, May 2022, P-ISSN: 1844-6035, E-ISSN: 2067-212, CD-ISSN: 2067-211X, Place of publishing: Oradea, Romania, Year of the first issue: 1967, Releasing frequency: 2 / year https://electroinf.utoradea.ro/index.php/volumes-2/jeee-vol-15-no-1-may-2022.html
27.	Hathazi Francisc - Ioan - Executive Editor - JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING - Executive Editors, 1st issue: JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, Vol. 15, no. 2, October 2022, P-ISSN: 1844-6035, E-ISSN: 2067-212, CD-ISSN: 2067-211X, Place of publishing: Oradea, Romania, Year of the first issue: 1967, Releasing frequency: 2 / year https://electroinf.utoradea.ro/index.php/volumes-2/jeee-vol-15-no-2-october-2022.html
28.	Hathazi Francisc - Ioan - Co - Chairman - Sesiunea de comunicări științifice a studenților electrotehniști ISEEM - S - 2022, Stâna de Vale 19 - 20 mai 2022 http://electroinf.utoradea.ro/images/Anul_universitar_2021-2022/Anunturi/ISEEM-S-2022.pdf
29.	Silaghi Alexandru Marius Recenzor The Scientific Bulletin of Electrical Engineering Faculty SBEEF, 2022
30.	Hathazi Francisc - Ioan - Technical Programme Committee - ICEMES 2021, 16 th International Conference on Engineering of Modern Electric Systems https://www.icemes.utoradea.ro/icemes2021/technical-programme-committee.html
31.	Hathazi Francisc - Ioan - Executive Editor - JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING - Executive Editors, 1st issue: JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, Vol. 14, no. 1, May 2021, P-ISSN: 1844-6035, E-ISSN: 2067-212, CD-ISSN: 2067-211X https://electroinf.utoradea.ro/index.php/volumes-2/jeee-vol-14-no-1-may-2021.html
32.	Hathazi Francisc - Ioan - Executive Editor - JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING - Executive Editors, 1st issue: JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, Vol. 14, no. 1, October 2021, P-ISSN: 1844-6035, E-ISSN: 2067-212 CD-ISSN: 2067-211X, Place of publishing: Oradea, Romania, Year of the first issue: 1967 Releasing frequency: 2 / year https://electroinf.utoradea.ro/index.php/volumes-2/jeee-vol-14-no-1-may-2021.html
33.	Hathazi Francisc - Ioan - Conference Session Chair - ICEMES 2021, 16 th International Conference on Engineering of Modern Electric Systems https://www.icemes.utoradea.ro/icemes2021/conference-program.html
34.	Hathazi Francisc - Ioan - Co - Chairman - Sesiunea de comunicări științifice a studenților electrotehniști ISEEM - S - 2021, Stâna de Vale 13 - 14 mai 2021 http://electroinf.utoradea.ro/images/Anul_universitar_2020-2021/Anunturi/ISEEM-S-2021.pdf
35.	Bandici Livia – Membru în comitetul Tehnic , International Conference on Applied and Theoretical Electricity (ICATE'21) 27-29 Mai 2021, Craiova, Romania
36.	Bandici Livia – Recenzor - 10 - 11 June 2021, 16 th International Conference on Engineering of Modern Electric Systems (EMES 2021), Oradea, Romania
37.	Pantea Mircea - Danut – Recenzor International conferencion electronics, computers and artificial intelligence, http://ecai.ro/ July 2021
38.	Arion Mircea – Nicolae - Membru în colectivul de organizare a The 16 th International Conference on Engineering of Modern Electric Systems, Oradea, June 2021 http://www.icemes.ro/icemes2012/organizing-committee.html https://ieeexplore.ieee.org/xpl/conhome/8785423/proceeding

39.	Silaghi Alexandru Marius - Recenzor The Scientific Bulletin of Electrical Engineering Faculty SBEEF, 2021 https://www.sciencegate.app/source/303348
40.	Hathazi Francisc - Ioan - Executive Editor - JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING - Executive Editors, 1st issue: JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, Vol. 13, no. 2, May 2020 , P-ISSN: 1844-6035, E-ISSN: 2067-212, CD-ISSN: 2067-211X https://electroinf.uoradea.ro/index.php/volumes-2/jeee-vol-14-no-1-may-2021.html
41.	Bandici Livia – Recenzor , REVUE ROUMAINE DES SCIENCES TECHNIQUES, Série ÉLECTROTECHNIQUE et ÉNERGÉTIQUE – 2020 http://revue.elth.pub.ro/index.php?action=main&year=2020&issue=1
42.	Bandici Livia – Recenzor , Journal of Microwave Power and Electromagnetic Energy, 2020 https://www.scimagojr.com/journalsearch.php?q=18061&tip=sid
43.	Hathazi Francisc - Ioan - Executive Editor - JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING - Executive Editors, 1st issue: JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, Vol. 13, no. 1, May 2020 , P-ISSN: 1844-6035, E-ISSN: 2067-2128, CD-ISSN: 2067-211X Place of publishing: Oradea, Romania, Year of the first issue: 1967, Releasing frequency: 2 / year http://electroinf.uoradea.ro/index.php/volumes-2/jeee-vol-13-no-1-may-2020.html , 2020
44.	Molnar Carmen Otilia - Recenzor Journal of Electrical and Electronics Engineering (JEEE), Vol. 13, nr.1) Jun 2020
45.	Molnar Carmen Otilia - Recenzor Journal of Electrical and Electronics Engineering (JEEE), Vol. 13, nr.2) Oct 2020
46.	Grava Adriana Marcela - Recenzor Journal of Electrical and Electronics Engineering (JEEE), Vol. 13, nr.2) Oct 2020
47.	Pantea Mircea – Recenzor ECAI - International conference on electronics, computers and artificial intelligence, http://ecai.ro/ 2020
48.	Novac Cornelia Mihaela – Recenzor - ECAI 2020
49.	Soproni Vasile-Darie - Recenzor Journal of Electrical and Electronics Engineering (JEEE), Vol. 13, nr.2) Oct 2020
50.	Silaghi Alexandru Marius Recenzor Scientific Bulletin of Electrical Engineering Faculty SBEEF, 2020
51.	Silaghi Alexandru Marius – Recenzor , The 14th International Conference on Engineering of Modern Electric Systems, Oradea, 1-2 June 2019 .
52.	Silaghi Alexandru Marius - Recenzor , The Scientific Bulletin of Electrical Engineering Faculty SBEEF, 2019
53.	Hathazi Francisc - Ioan - Conference Session Chair - ICEMES 2019, 15th International Conference on Engineering of Modern Electric Systems http://www.icemes.uoradea.ro/icemes2019/conference-program.html 2019
54.	Hathazi Francisc - Ioan - Technical Programme Committee - ICEMES 2019, 15th International Conference on Engineering of Modern Electric Systems http://www.icemes.uoradea.ro/icemes2019/technical-programme-committee.html 2019
55.	Hathazi Francisc - Ioan - Recenzor - ICEMES 2019, 15th International Conference on Engineering of Modern Electric Systems http://www.icemes.ro/icemes2017/technical-programme-committee.html , 2019
56.	Hathazi Francisc – Ioan – Recenzor – Journal of Food Processing and Preservation Manuscript ID – JFPP – 05 – 19 – 0946, 2019 https://onlinelibrary.wiley.com/journal/17454549#pane-01cbe741-499a-4611-874e-1061f1f4679e01
57.	Hathazi Francisc - Ioan - Executive Editor - JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING - Executive Editors, 1st issue: Vol. 12 Nr. 1 (May 2019), P-ISSN: 1844-6035; E-ISSN: 2067-2128; CD-ISSN: 2067-211X, Place of publishing: Oradea, Romania; Year of the first issue: 1967, Releasing frequency: 2 / year http://electroinf.uoradea.ro/images/articles/CERCETARE/Reviste/JEEE/JEEE_V12_N1_MAY_2019/00Editors_JEEE_vol_12_Nr_1_may_2019.pdf
58.	Hathazi Francisc - Ioan - Editor - JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING - Associate Editors, 2nd issue: Vol. 11 Nr. 2 (Oct 2018), P-ISSN: 1844-6035 E-ISSN: 2067-2128; CD-ISSN: 2067-211X; Place of publishing: Oradea, Romania Year of the first issue: 1967; Releasing frequency: 2 / year http://electroinf.uoradea.ro/images/articles/CERCETARE/Reviste/JEEE/JEEE_V11_N2_OCT_2018/Editors_JEEE_vol_11_Nr_2_oct_2018.pdf

59.	Hathazi Francisc - Ioan - Co - Chairman - Sesiunea de comunicări științifice a studenților electrotehniști ISEEM - S - 2019, Stâna de Vale 16 - 17 mai 2019 http://electroinf.uoradea.ro/images/Anul_universitar_2019-2020/Anunturi/ISEEM-S-2019.pdf
60.	Hathazi Francisc - Ioan - Membru în comitetul de organizare - Sesiunea de comunicări științifice a studenților SACSS 2019 - http://electroinf.uoradea.ro/index.php/conferinte/sacss2019/sessions.html
61.	Soproni Vasile-Darie - Technical Programme Committee - ICEMES 2019, 15th International Conference on Engineering of Modern Electric Systems http://www.icemes.uoradea.ro/icemes2019/technical-programme-committee.html 2019
62.	Soproni Vasile-Darie - Recenzor - ICEMES 2019, 15th International Conference on Engineering of Modern Electric Systems http://www.icemes.ro/icemes2017/technical-programme-committee.html
63.	Novac Cornelia Mihaela – Recenzor - The 15th International Conference on Engineering of Modern Electric Systems, Oradea, 1-2 June 2019
64.	Novac Cornelia Mihaela - Recenzor - The 11th International Conference on Electronics, Computers and Artificial Intelligence, ECAI'2019, 27–29 June, 2019, Pitești, Romania, 2019
65.	Arion Mircea Nicolae - Membru in colectivul de organizare a The 15th International Conference on Engineering of Modern Electric Systems, Oradea, June 2019 http://www.icemes.ro/icemes2019/organizing-committee.html https://ieeexplore.ieee.org/xpl/conhome/8785423/proceeding
66.	Arion Mircea Nicolae - Recenzor lucrări prezentate la The 15th International Conference on Engineering of Modern Electric Systems, Oradea, June 2019 https://ieeexplore.ieee.org/xpl/conhome/8785423/proceeding
67.	Pașca Sorin Dorel - Recenzor, International Journal of Applied Electromagnetics and Mechanics (IJAEM), vol. 61, no. 4, 2019; ISSN 1383-5416 (P), ISSN 1875-8800 (E); Impact Factor 2019: 0.684; link: https://content.iospress.com/journals/international-journal-of-applied-electromagnetics-and-mechanics/61/4?start=10 , 2019
68.	Pașca Sorin Dorel - Recenzor, ICEMES 2019, Proceedings indexat IEEE Xplore, 2019
69.	Molnar Carmen Otilia - Recenzor ICEMES 2019, Proceedings indexat IEEE Xplore, 2019 https://easychair.org/conferences/review_requests?a=22132417
	Total punctaj 6.1: 69 × 20 = 1380
6.2.	Membrii în colectivele de redacție ale revistelor recunoscute național (categ. B): 0 × 10 = 0
1	
	Total punctaj 6.2: 0 × 10 = 0
6.3.	Premii internaționale obținute printr-un proces de selecție
	-
6.4.	Premii naționale ale Academiei Române: 0 × 20 = 0
	-
6.5.	Conducători de doctorat membrii ai unității de cercetare: 3 × 10 = 30
	- LEUCA TEODOR
	- HATHAZI FRANCISC - IOAN
	- BANDICI LIVIA
	Total punctaj 6.5: 3 × 10 = 30
6.6.	Număr de doctori în știință membrii ai unității de cercetare: 14 × 10 = 140
	14
	Total punctaj 6.6: 14 × 10 = 140

TOTAL PUNCTAJ CAP. 6. 1380 + 30 + 140 = 1550 puncte

Punctaj pe membru centru Cap.6 = 1550 / 14 = 110,7142 puncte / membru

TOTAL PUNCTAJ CAP. 4 + 5 + 6 = 2289,1468 + 165 + 1550 = 4004,1468 puncte

Punctaj pe membru centru 4004,1468 / 14 = 286,0105 puncte/membru

7. VENITURI REALIZATE PRIN CONTRACTE DE CERCETARE

7.1.	Numărul și valoarea contractelor de cercetare internaționale finanțate din fonduri publice	
	Contract / Tema / Perioada	Valoare (Euro)
	-	-

7.2.	Numărul și valoarea contractelor de cercetare internaționale finanțate din fonduri private	
	Contract / Tema / Perioada	Valoare (Euro)
	-	-

7.3.	Numărul și valoarea contractelor de cercetare naționale finanțate din fonduri publice		
		Contract/Tema/Perioada	Valoare (RON)
	Granturi naționale	Hathazi Francisc Ioan - PNRR, Ctr. Nr. 14068 / 16.09.2022 – Implementarea de tehnologii digitale în Universitatea din Oradea (DigitalUO) - Expert	
		Bandici Livia - CNFIS – FDI – 2022 – 0058 – Dezvoltarea capacităților de cercetare și inovare multidisciplinară utilizând tehnologii emergente_CIMTE – Expert cercetare inginer	Valoare_2022 260 000 lei
		Bandici Livia - Proiect_ CNFIS-FDI-2023-F-0426 - Cercetări inovative pentru sustenabilitate la Universitatea din Oradea INO-SUSTENABIL UO.	Valoare_2023 284 000 lei
	Proiecte internaționale	-	-
	Contracte de cercetare / consultanță pentru mediul economic		-
		Total	544 000 lei

Valoarea contractelor de cercetare naționale finanțate din fonduri publice: **0 lei**

7.4.	Numărul și valoarea contractelor de cercetare naționale finanțate din fonduri private	
	Contract / Tema / Perioada	Valoare (RON)
	Bandici Livia - Grantul de cercetare "Săptămâna științifică a Universității din Oradea" Nr.127/25.06.2021-2023 – Utilizarea microundelor în procesul de obținere a uleiurilor volatile din plante medicinale	Valoare_2021-2023 30 000 lei
	Total	30 000 lei

Valoarea contractelor de cercetare naționale finanțate din fonduri private: **30 000 lei**

7.5.	Alte surse	
	Contract / Tema / Perioada	Valoare (RON)
1.	Proiect_FDI_2021-0096 Consolidarea unei culturi a calității activităților didactice prin digitalizare și respectarea deontologiei academice la Universitatea din Oradea (QADDA), https://e.uoradea.ro/course/index.php?categoryid=1646/	Valoare_2021 323296 lei
2.	Proiect_FDI_2022-0058 - "Dezvoltarea capacitatilor de cercetare si inovare multidisciplinara utilizand tehnologii emergente - CIMTE" https://e.uoradea.ro/course/index.php?categoryid=1646	299 173 lei
3.	Contract de cercetare INO-Transfer-UO-Ediția II . Modul experimental pentru studiul protecției împotriva apariției arcului electric accidental în instalațiile electrice, Nr. 231/2022 – Stasac Claudia Olimpia	(2022-2023) 47 450 lei

4.	Contract de cercetare INO-Transfer-UO-Ediția II . Impactul folosirii energiei solare fotovoltaice în spațiile de recreere 241/08.11.2022 - Pantea Mircea	(2022-2023) 49 000 lei
	Total	718 919 lei

Valoarea contractelor din alte surse: **718 919 lei**

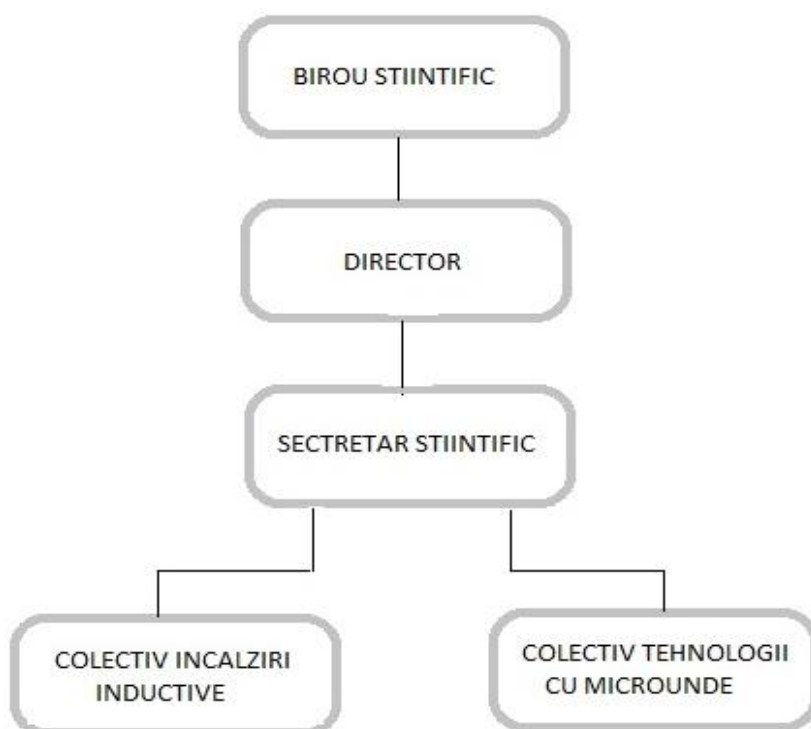
7.6.	Venituri realizate din activități economice (servicii, microproducție)	
	Contract / Tema / Perioada	Valoare (RON)

Valoarea totală a contractelor: 1 292 919,00 lei

8. RESURSA UMANĂ DE CERCETARE

(Total personal de cercetare care realizează venituri din activitatea de cercetare dezvoltare) - Tabel 8.1

8.1. Organigrama de funcționare a centrului



Tabel 8.1. Structura personalului de cercetare al Centrului CCITCEE

Nr. crt.	Numele și prenumele	Grad științific învățământ	Semnătura
1.	Bandici Livia	Profesor/CSI	
2.	Leuca Teodor	Profesor/CSI	
3.	Hathazi Francisc-Ioan	Profesor/CSI	
4.	Silaghi Alexandru-Marius	Profesor/CSI	
5.	Grava Adriana-Marcela	Conferențiar/CSII	
6.	Molnar Carmen-Otilia	Conferențiar/CSII	
7.	Șoproni Vasile-Darie	Conferențiar/CSII	
8.	Popa Monica	Conferențiar/CSII	
9.	Pașca Sorin-Dorel	Conferențiar/CSII	
10.	Arion Mircea-Nicolae	Șef lucrări dr./CSIII	
11.	Novac Mihaela-Cornelia	Șef lucrări dr./CSIII	
12.	Pantea Mircea-Dănuț	Șef lucrări dr./CSIII	
13.	Sebeșan Radu-Dimitrie	Șef lucrări dr./CSIII	
14.	Stașac Claudia-Olimpia	Șef lucrări dr./CSIII	

8.2. Structura de personal

Cercetători științifici gradul 1 (profesori)/din care doctori în știință: 4 / 4

Cercetători științifici gradul 2 (conferențieri)/din care doctori în știință: 5 / 5

Cercetători științifici gradul 3 (lectori)/din care doctori în știință: 5 / 5

Cercetători științifici/din care doctori în știință: 0 / 0

Asistenți de cercetare: 0

Total personal auxiliar de cercetare angajat: 0

8.3. Date privind perfecționarea resursei umane

1. **ARION MIRCEA NICOLAE** - Activități de formare la “Școala universitară de formare inițială și continuă a personalului didactic și a trainerilor din domeniul specializărilor tehnice și ingineresti - **POSDRU/87/1.3/S/60891- DidaTec**”2013.
2. **ARION MIRCEA NICOLAE** – postdoctorand, având numărul de **contract 524/08.12.2010** numărul de contract în cadrul școlii postdoctorale ”Transferul de Cunoștințe în Domeniul Tehnologiilor Societății Informaționale și Dezvoltarea de Produse și Procese” dezvoltată de către Partenerul P2- Universitatea din Oradea în cadrul proiectului POSDRU/89/1.5/S/56287 “Programe postdoctorale în avangarda cercetării de excelență în Tehnologiile Societății Informaționale și dezvoltarea de produse și procese inovative”, contract nr. **POSDRU/89/1.5/S/56287**.
3. **MOLNAR CARMEN OTILIA** - postdoctorand, având numărul de **contract 527/08.12.2010** în cadrul școlii postdoctorale ”Transferul de Cunoștințe în Domeniul Tehnologiilor Societății Informaționale și Dezvoltarea de Produse și Procese” dezvoltată de către Partenerul P2- Universitatea din Oradea, în cadrul proiectului ”Programe postdoctorale în avangarda cercetării de excelență în Tehnologiile Societății Informaționale și dezvoltarea de produse și procese inovative”, contract nr. **POSDRU/89/1.5/S/56287**.
4. **NOVAC MIHAELA CORNELIA** - Activități de formare la “Școala universitară de formare inițială și continuă a personalului didactic și a trainerilor din domeniul specializărilor tehnice și ingineresti - **POSDRU/87/1.3/S/60891- DidaTec**”2013.
5. **NOVAC MIHAELA CORNELIA** - postdoctorand, având numărul de **contract 528/08.12.2010** în cadrul școlii postdoctorale ”Transferul de Cunoștințe în Domeniul Tehnologiilor Societății Informaționale și Dezvoltarea de Produse și Procese” dezvoltată de către Partenerul P2- Universitatea din Oradea în cadrul proiectului POSDRU/89/1.5/S/56287 “Programe postdoctorale în avangarda cercetării de excelență în Tehnologiile Societății Informaționale și dezvoltarea de produse și procese inovative”, contract nr. **POSDRU/89/1.5/S/56287**.
6. **PANTEA MIRCEA DĂNUȚ** - postdoctorand, având numărul de **contract 531/08.12.2010** - în cadrul școlii postdoctorale ”Transferul de Cunoștințe în Domeniul Tehnologiilor Societății Informaționale și Dezvoltarea de Produse și Procese” dezvoltată de către Partenerul P2- Universitatea din Oradea, în cadrul proiectului ”Programe postdoctorale în avangarda cercetării de excelență în Tehnologiile Societății Informaționale și dezvoltarea de produse și procese inovative”, contract nr. **POSDRU/89/1.5/S/56287**.
7. **STAȘAC CLAUDIA OLIMPIA** - postdoctorand, având numărul de **contract 532/08.12.2010** - în cadrul școlii postdoctorale ”Transferul de Cunoștințe în Domeniul Tehnologiilor Societății Informaționale și Dezvoltarea de Produse și Procese” dezvoltată de către Partenerul P2- Universitatea din Oradea, în cadrul proiectului ”Programe postdoctorale în avangarda cercetării de excelență în Tehnologiile Societății Informaționale și dezvoltarea de produse și procese inovative”, contract nr. **POSDRU/89/1.5/S/56287**.

8. **ȘOPRONI VASILE DARIE** - postdoctorand, având numărul de **contract: 1400/07.01.2011** - în cadrul școlii postdoctorale "Transferul de Cunoștințe în Domeniul Tehnologiilor Societății Informaționale și Dezvoltarea de Produse și Procese" dezvoltată de către Partenerul P2- Universitatea din Oradea, în cadrul proiectului "Programe postdoctorale în avangarda cercetării de excelență în Tehnologiile Societății Informaționale și dezvoltarea de produse și procese inovative", contract nr. **POSDRU/89/1.5/S/56287**.

8.3.1. Numărul de doctoranzi și masteranzi care lucrează în unitatea de cercetare-dezvoltare la data completării formularului sunt prezențați în (**Tabelul 8.2**):

Tabel 8.2. Tabel cuprinzând doctoranzii și masteranzii care lucrează în cadrul centrului de cercetare

Nr. crt.	Nume și prenume	Funcția
1.	Rus Daiana - Ioana	Doctorand
2.	Covaciu Mihaela	Doctorand
3.	Cheregi Adrian-Gabriel	Doctorand
4.	Rotaru Daniel	Doctorand
5.	Fiț S. Antonia	Masterand – I SAIE
6.	Onadi G.I. Robert-Claudiu	Masterand – I SAIE

8.3.2. Număr de teze de doctorat realizate în unitatea de cercetare-dezvoltare în perioada pentru care se face evaluarea (**Tablelul 8.3.**):

Tablelul 8.3. Teze de doctorat realizate în unitatea de cercetare

Nr. crt.	Nume și prenume	Anul susținerii
1.	Hera (Codrean) Mihaela	2022
2.	Țelea Darius	2019

9. INFRASTRUCTURA DE CERCETARE – DEZVOLTARE

9.1. Laboratoare de cercetare - dezvoltare

Nr. Crt.	Denumirea laboratorului	Sala	Domeniul în care este acreditat
1.	Laborator de Modelare, Simulare și Tehnici CAD	A 203	Științe ingineresti / Inginerie electrică
2.	Laborator de Instalații și Utilizarea Energiei Electrice	A003	Științe ingineresti / Inginerie electrică
3.	Laborator Modelare	T 006h	Științe ingineresti / Inginerie electrică
4.	Laborator Încălziri Inductive	T006b	Științe ingineresti / Inginerie electrică
5.	Laborator de Microunde	T006c	Științe ingineresti / Inginerie electrică
6.	Laborator Electrotermie	T013	Științe ingineresti / Inginerie electrică
7.	Laboratoare Modelare, Simulare	T006i T006j T006k	Științe ingineresti / Inginerie electrică

Dotarea aferentă Laboratoarelor de cercetare-dezvoltare este prezentată în **Anexa 8**

C.C.I.T.C.E.E dispune pe lângă sediul central și de laboratoarele: Încălziri inductive, Laboratorul de Tehnologii cu microunde, Laboratoarele de Modelare, Simulare Tehnici CAD.

C.C.I.T.C.E.E dispune de: Instalație de încălzire de medie frecvență, Stand experimental pentru verificarea procedeeleor de încălzire prin curenți turbionari și solidificare controlată, Model experimental de încălzire a benzilor metalice utilizând inductoare cu flux magnetic transversal, Stand de călire superficială a bolțurilor, Model experimental de încălzire capacitivă ($f = 27,12$ MHz) a materialelor dielectrice, Aplicator tip multimod de 1 KW, Aplicator multimod pentru procesarea materialelor ceramice cu concentrator de câmp (2 magnetroane de 850 W), Aplicator de tip monomod pentru procesarea materialelor dielectrice sub formă de fire, Aplicator de tip monomod pentru procesarea materialelor dielectrice sub formă de benzi. Centrul dispune de tehnică de calcul dotată cu soft: MATLAB, OPERA 3D, Flux 2D – 3D, CATIA V5R12, CADy profesional, HFSS 8-10, ANSYS – HFSS 15.0, PsCAD. Dotarea centrului cuprinde aparatură electronică de laborator: osciloscoape digitale HAMEG HM 407 2x40 MHz, multimetre digitale, Instrument multifuncțional EUROTTEST, surse de tensiune, etc. Și tehnică de calcul și birotică: Calculatoare PC, Laptop Fujitsu Siemens LIFEBOOK S Series, Videoproiectoare, Copiator Minolta, Imprimante.

9.2. Lista echipamentelor performante achiziționate în ultimii ani

Nr. crt.	Echipamentul	Anul fabricației	Valoarea [lei]	Sursa de finanțare a investiției
1.	Calculatoare personale All in One	2023		Proiect digitalizare Fonduri UO
2.	Videoproiector Epson	2023		Proiect digitalizare Fonduri UO
3.	Stand pentru determinarea proprietăților materialelor dielectrice	2022	18.350 lei	Fonduri UO
4.	Licență Software Ansys Twin Builder 2022 R2 (HFSS)	2022	15.000 lei	Fonduri UO
5.	Aparat măsură câmp electromagnetic RF triaxial Model 480846-EXTECH	2021	3.855,60 lei	Fonduri UO
6.	Stand experimental pentru procesarea cerealelor în câmp de microunde	2010	193.375,00	PNCDI II 51082/2007
7.	Ghid lansator de microunde	2010	2.997,69	PNCDI II 51082/2007
8.	Aplicator monomod extins în plan H	2010	9.933,50	PNCDI II 51082/2007
9.	Aparat pentru măsurarea scurgeri de microunde în exterior	2010	2.441,05	PNCDI II 51082/2007
10.	Balanta electronica de laborator pentru măsurarea variației de masa	2010	2.769,53	PNCDI II 51082/2007
11.	Trusa portabila electronist	2010	4.020,3	PNCDI II 51082/2007
12.	Termoanemometru	2010	2.980,56	PNCDI II 51082/2007
13.	Termometru cu IR	2010	2.188,40	PNCDI II 51082/2007
14.	Higrometru capacitiv pentru produse granulare	2010	2.488,92	PNCDI II 51082/2007
15.	Magnetron	2010	2.410,92	PNCDI II 51082/2007
16.	Multimetru digital	2010	1.910,05	PNCDI II 51082/2007
17.	Clește de curent	2010	1.099,26	PNCDI II 51082/2007
18.	Termohigrometru	2010	981,25	PNCDI II 51082/2007
19.	Mag. Sus. Kit	2010	722,40	PNCDI II 51082/2007
20.	Lev. Comp. Kit	2010	288,96	PNCDI II 51082/2007
21.	Bis. Comp. Ex. Kit	2010	602	PNCDI II 51082/2007
22.	Comp. Ex. Kit	2010	481,60	PNCDI II 51082/2007

23.	Crt. Temp. Kit	2010	1.238,40	PNCDD II 51082/2007
24.	Lev. Lab. Kit	2010	371,52	PNCDD II 51082/2007
25.	Regulator electronic de temperatura	2010	1.896,32	PNCDD II 51082/2007
26.	Termorezistentă	2010	624,75	PNCDD II 51082/2007
27.	Termocuplu	2010	1.886,82	PNCDD II 51082/2007
28.	Termorezistentă	2010	3.715,56	PNCDD II 51082/2007
29.	Server 12 DIMM slots, 4 GB DDR3 Unbuffered (UDIMM) PC3-10600, 2 x 250 GB, 7200 rpm, posibilitate de instalare până la 4 HDD	Factura CHF 0371/ 23.12.2010	5937,43	POSDDU 89/1.5/S/56287/2010
30.	Statii de lucru 10 buc	Factura CHF 0378/ 27.12.2010	42361,25	POSDDU 89/1.5/S/56287/ 2010 – 2013
31.	Videoproiector	Factura CHF 0271/ 26.11.2010	1910,7	POSDDU 89/1.5/S/56287/ 2010 – 2013
32.	Imprimanta All-in-One	Factura CHF 0271/ 26.11.2010	750,56	POSDDU 89/1.5/S/56287/ 2010 – 2013
33.	Imprimanta LaserJet	Factura CHF 0271/ 26.11.2010	1489,28	POSDDU 89/1.5/S/56287/ 2010 – 2013
34.	Netbook 10.1” 1024 x 600, 250GB HDD, 2GB = 2 buc.	Factura CHF 0271/ 26.11.2010	3637,24	POSDDU 89/1.5/S/56287/ 2010 – 2013
35.	Cilindru HP Lj 2550 – 1 buc	Factura CHF 0271/ 26.11.2010	540,79.	POSDDU 89/1.5/S/56287/ 2010 – 2013
36.	Formater PC Board HpLj 27	Factura CHF 0271/ 26.11.2010	1031,32	POSDDU 89/1.5/S/56287/ 2010 – 2013
37.	Imprimanta Laser HP2025CP.	Factura CHF 884/ 06.06.2011	1494,25	POSDDU 89/1.5/S/56287/ 2010 – 2013
38.	Instalatie climatizare, Capacitate de răcire: 3.4 – 5.1 KW – 2 buc	Factura CHF 058/ 08.12.2010	5828,00	POSDDU 89/1.5/S/56287/2010 – 2013
39.	Sisteme de calcul HP Comapq 8300 Elite (8 buc. X 4263,94= 34111,52	Factura 157/ 07.03.2013	34111,52	POSDDU 89/1.5/S/56287/ 2010 – 2013
40.	Videoproiector BenQ 1 buc x 2252,75lei	Factura 157/ 07.03.2013	2252,75	POSDDU 89/1.5/S/56287/ 2010 – 2013
41.	Imprimantă HP Laser Jet M1536 dnf 1 buc. X 947,84,	Factura 163/ 20.03.2013	947,84	POSDDU 89/1.5/S/56287/ 2010– 2013

9.2.1. Lista softurilor achiziționate

- Licență Software ANSYS TWIN BUILDER 2022 R2 (HFSS)
- Licență Software ANSYS HFSS 15.0
- Matlab
- ELTA
- ENGINEERING BASE 3.1.
- MAGNET
- CADdy
- EDSA
- PSCAD-EMTDC

- CATIA V5R12
- 20-SIM 5.0 Academic (2023)
- 20-SIM 5.0 Classroom Kit (for up to 200 users) (2023)

9.2.2. Lista echipamentelor realizate în Universitatea din Oradea prin autodotare

Nr. crt.	Echipamentul	Anul realizării	Modul de realizare
1.	Instalație de încălzire inductivă, 2500 Hz, 125 KVA	2003	Autodotare
2.	Instalație de microunde pentru procesarea termică a materialelor sub formă de foi	2003	Autodotare
3.	Instalație de microunde pentru procesarea termică a materialelor sub formă de benzi și fire	2003	Autodotare
4.	Model experimental – Cuptor de inducție cu canal orizontal descoperit capacitate 2,5 kg	2004	Autodotare
5.	Generator de microunde de 2,4 KW cu aplicator volumetric	2004	Autodotare
6.	Aplicator de tip multimod pentru procesarea materialelor dielectrice P=1 Kw	2004	Autodotare
7.	Model experimental – cuptor de inducție cu canal vertical, capacitate 4 kg	2004	Autodotare
8.	Model experimental privind procesarea în flux magnetic transversal a materialelor nemagnetice sub formă de benzi	2005	Autodotare
9.	Model experimental privind solidificarea controlată a procesului de topire	2005	Autodotare
10.	Model experimental pentru călirea la suprafață prin inducție electromagnetică a materialelor conductoare P= 2,5 KW	2005	Autodotare
11.	Model experimental pentru încălzirea cu radiații infraroșii a suprafețelor vopsite P=3,2 KW	2005	Autodotare
12.	Model experimental pentru încălzirea cu radiații infraroșii a suprafețelor vopsite P=3,2 KW	2004	Autodotare
13.	Stand experimental pentru călirea la suprafață prin inducție electromagnetică	2011	Autodotare
14.	Stand experimental pentru încălzirea instantanee a apei	2011	Autodotare
15.	Realizarea unui stand experimental pentru încălzirea instantanee a apei	2011	Autodotare
16.	Realizarea unui stand experimental pentru studiul plitelor inductive	2013	Autodotare
17.	Cameră climatică	2016	Autodotare
18.	Stand experimental pentru presarea obiectelor din material plastic	2017	Autodotare
19.	Cuptor cu rezistoare de capacitate mică utilizat pentru topirea cositorului	2017	Autodotare
20.	Sistem Încălzire – răcire cu schimbător de căldură	2018	Autodotare
21.	Sistem fotovoltaic	2019	Autodotare
22.	Sistem de incalzire si climatizarea unei incinte	2020	Autodotare
23.	Realizarea unei imprimante 3D	2020	Autodotare
24.	Sistem alimentare motoare curent continuu și incarcare	2021	Autodotare
25.	Modul experimental pentru studiul protecției împotriva apariției arcului electric	2022	Autodotare
26.	Stand experimental al declanșării și controlul apariției arcului electric în sistemele de protecție	2022	Autodotare
27.	Proiectarea și realizarea unui stand funcțional cu ajutorul releelor de supeaveghere.	2022	Autodotare
28.	Stand experimental pentru studiul efectului de levitație magnetică	2023	Autodotare

10. CENTRALIZATOR PUNCTAJ CENTRU DE CERCETARE

2019-2023

Capitol	Paragraf	Subparagraf	Punctaj	Punctaj / membru
4	4.1			
		4.1.1	1500+24.1468=1524.1468	108,86
		4.1.2	765	54,65
	Total punctaj 4.1.		2289,1468	163,51
	4.2			
		4.2.1	0	
		4.2.2	0	
	Total punctaj 4.2.		0	
Total punctaj Cap. 4			2289,1468	163,51
5	5.1		70	5,00
	5.2		95	6,79
	5.3		0	0
Total punctaj Cap. 5			165	11,7857
6	6.1		1380	98,5714
	6.2		0	0
	6.3		0	0
	6.4		0	0
	6.5		30	2,1428
	6.6		140	10
Total punctaj Cap. 6			1550	110,7142
Punctaj general centru: 4+5+6			4004,1468	286,0105

Data: 18.02.2024

Director Centru de Cercetare:
Conf.dr.ing. CARMEN OTILIA MOLNAR



II. MODUL DE ORGANIZARE ȘI STATUTUL DE FUNCȚIONARE A CENTRULUI DE CERCETARE

1. Denumire, participanți, structura, forma juridică, sediul, durata de activitate

1.1. Denumirea: „CENTRU DE CERCETARE ȘI INGINERIE TEHNOLOGICĂ ÎN CONVERSIA ENERGIEI ELECTROMAGNETICE”, denumire reprezentată în continuare prin acronimul și sigla:



- CCITCEE este o entitate de cercetare științifică și dezvoltare tehnologică autonomă subordonată **Consiliului Facultății de Inginerie Electrică și Tehnologia Informației**, înființat în conformitate cu HS a Universității din Oradea nr.10564/29.07.2004;
- CCITCEE cuprinde în structura sa cadre didactice universitare, cercetători, doctoranzi și studenți din ciclul de licență și masterat cu preocupări în domeniul științelor ingineresti;
- CCITCEE este reprezentat juridic prin Universitatea din Oradea, în conformitate cu regulamentul de organizare internă a centrului;
- CCITCEE este reprezentat pe plan administrativ de către director;
- CCITCEE este o structură autonomă, neguvernamentală, apolitică cu profil profesional, științific și educațional;

- Sediul CCITCEE este la Universitatea din Oradea, Str.Universității nr.1, Pavilion T, sala T006, Tel. +40 259 408 469, Fax: +40 259 408 469, Biroul directorului CCITCEE este în sala T006g, din sediul centrului, tel. +40 259 408 451, E-mail: carmenmolnar09@gmail.com, cmolnar@uoradea.ro; ccitce@uoradea.ro

1.2. Participanți: Cadre didactice ale **Facultății de Inginerie Electrică și Tehnologia Informației**. Pot adera ca și membrii ai acestui centru și alte cadre didactice ale Universității din Oradea cu condiția îndeplinirii condițiilor de eligibilitate ale centrului.

1.3. Structura: Centrului îndeplinește cerințele cuprinse în **“Procedura privind înființarea, evaluarea și ierarhizarea centrelor de cercetare-SEAQ-PE-U.03”**.

Centrul de cercetare este subordonat **Consiliului Facultății de Inginerie Electrică și Tehnologia Informației** având următoarea organizare:

- Conducerea Centrului de cercetare este asigurată de un director și de un secretar științific, ales de membrii centrului care asigură conducerea și gestionarea problemelor curente ale centrului;
- Activitatea de cercetare științifică se desfășoară în cadrul a două colective de cercetare, Colectivul de încălziri inductive și Colectivul de tehnologii cu microunde.

2.4. Forma juridică: **Centru de cercetare din cadrul Universității din Oradea, subordonat Consiliului Facultății de Inginerie Electrică și Tehnologia Informației**.

1.5. Sediul: **Oradea, Str.Universității nr.1, Pavilion T, Sala T006, Tel. +40 259 408 469.**

1.6. Durata de activitate: **nelimitată**.

2. Scopul și necesitatea constituirii centrului

Centrul **CCITCEE** are ca scop:

- cercetarea științifică (atât latura fundamentală, cât și cea aplicativă), concepția constructivă și tehnologică, realizarea și implementarea de noi echipamente electrotermice, precum și valorificarea rezultatelor obținute prin programe, granturi și contracte de cercetare-dezvoltare încheiate cu diverși beneficiari;
- să devină un centru de referință în domeniu reprezentând întreaga activitate de cercetare a cadrelor didactice și a studenților în ariile de cercetare ale centrului;
- caută să promoveze interacțiunea între cercetătorii din cadrul Universității din Oradea și să stimuleze dialogul cu alți cercetători la nivel național și internațional, prin promovarea și publicarea rezultatelor activității de cercetare și încheierea de parteneriate cu alte centre de cercetare;
- formarea cadrelor didactice tinere și a studenților masteranzi și doctoranzi în vederea dezvoltării aptitudinilor și apetenței pentru cercetarea științifică;
- sprijinirea științifică și tehnică a sectoarelor industriale în vederea creșterii competitivității produselor și a serviciilor pe care le furnizează;
- diseminarea rezultatelor cercetării și a reglementărilor din domeniilor de interes și a ariilor de cercetare, prin formare continuă și postuniversitară în conformitate cu cerințele de pe piața muncii;
- stimularea potențialului și capacității cercetătorilor prin racordarea acestora la programe prioritare de cercetare pe plan național și internațional.

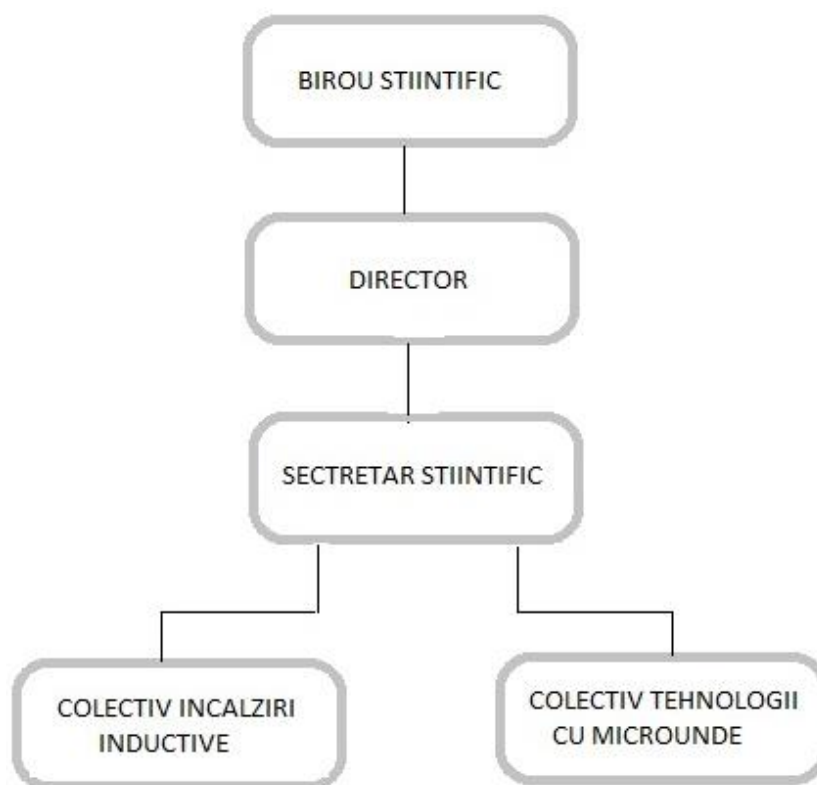
3. Obiect de activitate

- modelarea și simularea numerică a fenomenelor electromagnetice cuplate;
- modelarea și simularea numerică a câmpului electromagnetic în procesele de încălzire în câmp de microunde;
- studiul, cercetarea și implementarea de tehnologii avansate în domeniul încălzirilor inductive;
- studiul, cercetarea și implementarea de tehnologii avansate în domeniul încălzirilor în câmp de microunde;
- studiul, cercetarea și implementarea de electrotehnologii noi, ecologice în industrie;
- proiectarea asistată și implementarea de echipamente de încălzire prin inducție în sectorul industrial;
- proiectarea asistată și implementarea de echipamente de încălzire în câmp de microunde în sectorul industrial;
- proiectarea și execuția de echipamente electrice;
- sprijinirea publicării unor articole de specialitate, a editării unor cărți sau monografii, de către autorii din cadrul centrului;
- dotare cu echipamente, utilaje, aparate în funcție de bugetul centrului;
- îmbunătățirea continuă a competențelor personalului existent prin programe de perfecționare, training, burse posdoctorale, stagii de pregătire și formare, sprijinirea mobilităților și a schimburilor de experiență;
- sprijin financiar pentru membrii centrului în vederea participării acestora la manifestări științifice, (în limita bugetului);
- organizarea de congrese, conferințe, simpozioane pe tematica specifică centrului;
- expertiză și consultanță de specialitate.

4. Principii de organizare și funcționare, Organigrama centrului

- 4.1. Conducerea CCITCEE este asigurată de: *biroul științific al centrului, reprezentat prin directorul centrului.*
- 4.2. Biroul științific al centrului are următoarele atribuții:
 - a) analizează și aprobă programul anual de activitate a centrului;
 - b) elaborează raportul economic și științific privind îndeplinirea programului anual.
- 4.3. Biroul științific al centrului (în nr. de 4 membrii) se alege dintre membrii centrului pentru o perioadă de patru ani.
- 4.4. Biroul științific al centrului avizează întreaga activitate a centrului și se întrunește odată pe trimestru sau ori de câte ori este necesar.
- 4.5. Biroul științific al centrului este format din: director, secretar științific, responsabili de colective de cercetare (în nr. de 2).
- 4.6. Directorul/secretar științific reprezintă centrul în relațiile acestuia cu instituții din țară sau străinătate.
- 4.7. Directorul centrului are următoarele atribuții:
 - a) reprezintă centrul în raporturile de colaborare de orice fel;
 - b) organizează și răspunde de întreaga activitate a centrului în vederea îndeplinirii hotărârilor.
- 4.8. Angajarea personalului se face în funcție de necesitățile impuse de volumul de lucru al centrului, pe bază de contract de muncă sau (redistribuire).
- 4.9. Nivelul de salarizare a personalului angajat se stabilește în funcție de studii, munca efectiv prestată, cu respectarea limitei minime de salarizare, prevăzută de lege.

Organigrama de funcționare a centrului



5. Patrimoniul Centrului de Cercetare

5.1. Bunurile materiale din dotarea centrului sunt în proprietatea Universității din Oradea.

5.2. Rezultatele științifice ale cercetărilor precum și tehnologiile, proiectele tehnice noi, brevetele de invenții, obiectele fizice achiziționate sau realizate pe parcursul derulării contractelor finanțate din fonduri publice aparțin centrului, dacă prin contract nu s-au prevăzut alte clauze.

5.3. Patrimoniul CCITCEE se constituie din:

- echipamente, instalații, software, cărți și documentații obținute din contracte de cercetare științifică, din alte fonduri obținute în urma activității de cercetare precum și din proiecte, granturi câștigate la nivel național;
- donații și sponsorizări în beneficiul centrului;
- alte obiecte de patrimoniu rezultate din acțiunea liber consimțită a membrilor centrului.

5.4. Pentru buna derulare a activității sale centrul va utiliza mijloace cum sunt:

- donații, finanțări și sponsorizări în lei sau valută de la persoane fizice sau juridice române sau străine în conformitate cu reglementările legale în vigoare și cu regulamentele și procedurile interne ale Universității din Oradea;
- activități de autofinanțare derulate de către colectivul centrului în conformitate cu obiectivele generale ale centrului în conformitate cu reglementările legale în vigoare și cu regulamentele interne ale Universității din Oradea;
- donații de bunuri materiale necesare și utile centrului, primite de la persoane fizice sau juridice române sau străine, în conformitate cu reglementările legale în vigoare și cu regulamentele interne ale Universității din Oradea;

- mijloace proprii ale centrului obținute din activitățile desfășurate conform legii, având ca scop obținerea de fonduri pentru centru de cercetare, respectând reglementările legale în vigoare și regulamentul intern al Universității din Oradea.
- 5.5. Resursele centrului CCITCEE vor fi alocate, cu respectarea dispozițiilor legale în vigoare, pentru îndeplinirea obiectivelor centrului, putând antrena următoarele tipuri de cheltuieli:
- a) retribuirea membrilor centrului conform legislației în vigoare;
 - b) dezvoltarea bazei materiale proprii;
 - c) taxe pentru participarea la manifestări naționale și internaționale;
 - d) burse de cercetare și instruire;
 - e) acoperirea cheltuielilor de organizare și funcționare a centrului;
 - f) editarea de publicații, studii sau alte materiale în conformitate cu obiectivele centrului;
 - g) taxe de participare ca membru în organisme de profil;
 - h) orice alte cheltuieli necesare bunei desfășurări a activității centrului de cercetare.
- 5.6. Veniturile, bunurile imobile și mobile ce vor fi dobândite în cadrul activităților inițiale, în conformitate cu prevederile legale se constituie în patrimoniu al CCITCEE.

6. Reglementări financiare

- 6.1. Activitatea CCITCEE se autofinanțează.
- 6.2. Principalele surse de finanțare ale centrului sunt programele, granturile și contractele de cercetare-dezvoltare încheiate cu diverși beneficiari (Ministerul Educației Naționale, Proiecte FSE, CNCS, agenți economici).
- directorul de proiect este ordonatorul financiar al proiectului;
 - operațiunile financiare sunt efectuate de un contabil autorizat (angajat al centrului sau angajat al serviciului contabilitate a Universității din Oradea;
 - rezultatele cercetărilor care aparțin centrului se înregistrează în evidența contabilă, conform prevederilor legale. Registrele contabile sunt ținute la sediul centrului și al Universității din Oradea.
- 6.3. Personalul de cercetare care participă la realizarea proiectelor de cercetare finanțate este salarizat, în conformitate cu normele legale din sursele prevăzute și aprobate în devizele proiectelor la capitolul cheltuieli salariale. Acesta poate beneficia și de mobilități de cercetare cuprinse și aprobate în devizul proiectelor la capitolul mobilități.
- 6.4. Participarea la manifestările științifice din țară sau străinătate poate fi sprijinită proporțional cu veniturile din cercetarea științifică ale fiecărui colectiv din cadrul CCITCEE. Cererile sunt aprobate, în limita fondurilor disponibile prin finanțarea proiectelor de cercetare aflate în desfășurare, în cadrul Biroului științific și vizate de directorul centrului.
- 6.5. Veniturile proprii ale centrului realizate din proiecte, contracte de cercetare științifică se evidențiază în cont distinct la bancă.
- Ordonatorul financiar al veniturilor centrului este directorul centrului;
 - Ordonatorul financiar al proiectului de cercetare în curs de desfășurare este directorul aceluia proiect.
- 6.6. Veniturile proprii prevăzute la pct.10.6.5. vor fi utilizate în scopul dezvoltării bazei materiale proprii de cercetare și pentru plata membrilor contractelor de cercetare în desfășurare.
- 6.7. Din veniturile proprii ale centrului de cercetare se pot finanța categoriile de cheltuieli prevăzute la pct.1 5.5.

- 6.8. Veniturile realizate și neutilizate la finele anului se reportează cu aceeași destinație în anul următor.
- 6.9. Fiecare proiect, grant și contract de cercetare științifică constituie obiect distinct de evidență în contabilitate.
- 6.10. Nerespectarea prevederilor legale privind modul de cheltuire al fondurilor destinate cercetării științifice atrage, după caz, răspundere penală, civilă, materială sau administrativă a directorului/ directorului de proiect.

7. Dispoziții finale

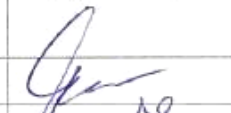
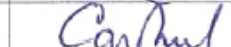
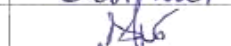
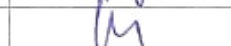
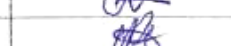
- 7.1. Centrul poate avea însemne proprii și se poate transforma în persoană juridică prin hotărârea Biroului Științific al Centrului, cu respectarea dispozițiilor legale în vigoare.
- 7.2. Prezentul statut, în cazul în care centrul își modifică obiectul de activitate sau sediul, va putea fi modificat.
- 7.3. Incetarea activității centrului poate avea loc în cazul neîndeplinirii scopului și obiectivelor pentru care a fost înființat sau dacă un număr însemnat de membrii ai centrului hotărăsc să-l părăsească. Incetarea activității centrului poate avea loc prin hotărârea Biroului Științific al centrului.
- 7.4. Eventualele litigii ivite între centru și alte persoane fizice sau juridice se vor soluționa prin intermediul competenței juridice a Universității din Oradea, conform normelor legale.
- 7.5. Statutul intră în vigoare de la data aprobării lui de către **Consiliului Facultății de Inginerie Electrică și Tehnologia Informației**.

Centralizator cu membrii din CC

la data: 18.02.2024

Conform PROCEDURII pentru înființarea, evaluarea și ierarhizarea centrelor de cercetare Pct. 4.5. „O persoană nu poate fi director/membru decât într-un singur CC”.

Persoanele din tabelul de mai jos fac parte din membrii CC „CENTRU DE CERCETARE ȘI INGINERIE TEHNOLOGICĂ ÎN CONVERSIA ENERGIEI ELECTROMAGNETICE”.

Nr. crt.	Numele și prenumele	Grad științific învățământ	Semnătura
1.	Bandici Livia	Profesor/CSI	
2.	Leuca Teodor	Profesor/CSI	
3.	Hathazi Francisc-Ioan	Profesor/CSI	
4.	Silaghi Alexandru-Marius	Profesor/CSI	
5.	Grava Adriana-Marcela	Conferențiar/CSII	
6.	Molnar Carmen-Otilia	Conferențiar/CSII	
7.	Șoproni Vasile-Darie	Conferențiar/CSII	
8.	Popa Monica	Conferențiar/CSII	
9.	Pașca Sorin-Dorel	Conferențiar/CSII	
10.	Arion Mircea-Nicolae	Șef lucrări dr./CSIII	
11.	Novac Mihaela-Cornelia	Șef lucrări dr./CSIII	
12.	Pantea Mircea-Dănuț	Șef lucrări dr./CSIII	
13.	Sebeșan Radu-Dimitrie	Șef lucrări dr./CSIII	
14.	Stașac Claudia-Olimpia	Șef lucrări dr./CSIII	

Data: 18.02.2024

Director Centru de cercetare
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