

7.2.1. Lucrări științifice / tehnice publicate în reviste de specialitate cotate ISI: 71

Nr. crt.	Articol	Autori
(I). INMATEH – Agricultural Engineering, București, Vol. 60, No.1/2020 <i>on line: ISSN 2068-2239 și print: ISSN 2068-4215</i>		
1.	SMALL POWER ELECTRIC TRACTOR PERFORMANCE DURING PLOUGHING WORKS pag. 123-128	Matache M.G., Cristea M., Găgeanu I. Zapciu A., Tudor E., Carpus E., Popa L.D.
2.	ASSESSMENT INDICES FOR THE EFFICIENCY OF THE SEPARATION PROCESS ON A SIEVE WITH CONICAL SEPARATION SURFACE pag. 193-200	Stoica D., Voicu Gh., Popa L., Tudor P., Constantin G.-A.
3.	KINETOSTATIC ANALYSIS OF THE PRECOMPACTION MECHANISM IN MUNICIPAL SOLID WASTE COLLECTING EQUIPMENT pag. 295-302	Moise V., Voicu Gh., Lazea M., Stoica D., Popa L., Tudor P., Ungureanu L.
(II). INMATEH – Agricultural Engineering, București, Vol. 61, No.2/2020 <i>on line: ISSN 2068-2239 și print: ISSN 2068-4215</i>		
4.	DESIGN AND ANALYSIS OF AN EFFICIENT SHOCK ABSORPTION SYSTEM FOR AN AGRICULTURAL ELECTRIC TRICYCLE pag. 127-134	Suvac A.M., Ștefan V. Alionte C.G., Ungureanu L.M.
5.	DETERMINATION OF SOWING PRECISION IN SIMULATED LABORATORY CONDITIONS pag. 209-2016	Cujbescu D.I., Vlăduț N.V., Matache M.G. Biriș S.Șt., Voicu Gh., Paraschiv G., Ungureanu N., Bularda M.
6.	STRUCTURAL ANALYSIS WITH FINITE ELEMENTS OF A SUBSOILER WORKING PART pag. 233-240	Constantin G.A., Voicu Gh., Olac B., Ilie F., Paraschiv G., Ștefan V., Mușuroi G.
7.	THE EFFECT OF CONSERVATIVE AGRICULTURAL WORKS ON SOIL AND FIELD PLANTS AND OPTIMIZED MECHANIZATION TECHNOLOGIES pag. 323-338	Bularda M., Visinescu I., Ghiorghe A., Vlăduț V., Cujbescu D.
(III). INMATEH – Agricultural Engineering, București, Vol. 62, No.3/2020 <i>on line: ISSN 2068-2239 și print: ISSN 2068-4215</i>		
8.	FOOD LOSSES IN PRIMARY CEREAL PRODUCTION - A REVIEW pag. 133-146	Dumitru O.M., Iorga S., Vlăduț N.V., Brăcăcescu C.
9.	EXPERIMENTAL RESEARCHES ON DETERMINATION OF WEAR OF WORKING PART OF CHISEL TYPE MADE OF THREE TYPES OF MATERIALS pag. 269-276	Vlăduțoiu L., Fechete T.L., Sorică E., Petre A.A.,

		Grigore A.I., Cristea O.D.
10.	NUMERICAL 3D ANALYSIS OF A MINI WIND TURBINE WITH HORIZONTAL AXIS, FOR IMPLEMENTATION IN AGRICULTURAL FARMS pag. 325-333	Ipate G., Constantin G.A., Biriș S.Șt., Voicu Gh., Rusănescu C.O., Ștefan V.
11.	INCREASING THE PERFORMANCE OF CYLINDRICAL SEPARATORS FOR CEREAL CLEANING, BY USING AN INNER HELICAL COIL pag. 249-258	Mircea C., Nenciu F., Vlăduț V., Voicu Gh., Găgeanu I., Cujbescu D.
12.	DEVELOPMENT OF THE AERODYNAMIC DRYING METHOD FOR THE CHOPPED VEGETAL MASS pag. 369-378	Habasescu I., Cerempei V., Molotcov I., Popa L.
13.	STUDY ON THE BEHAVIOR OF A BATTERY MOUNTED ON AN ELECTRIC TRACTOR PROTOTYPE pag. 19-28	Cristea M., Matache M.G., Sorică C.M., Biriș S.Șt., Ungureanu N., Cristea R.D.

**(IV). 9th International Conference on
Thermal Equipment, Renewable Energy and Rural Development (TE-RE-RD 2020),
Valahia University of Târgoviște, Romania, June 26-27, 2020, Issue E3S Web Conf.,
Volume 180, ISSN 2457 – 3302, ISSN-L 2457 – 3302**

14.	INTENSITY OF SOIL EROSION IN ROMANIA, PREDICTIONS IN TIME AND SPACE. EUROPEAN AND INDIGENOUS PERSPECTIVES	Cârdei P., Muraru V.M., Sfiru R.
15.	SOIL MOISTURE INFLUENCE IN THE SOIL TILLAGE OPERATIONS	Cârdei P., Condruz P., Muraru S., Sfiru R.
16.	RESEARCH ON METHODS, TECHNIQUES AND TECHNOLOGIES OF CARBON SEQUESTRATION IN SOIL	Cristea O.D., Vlăduț N.V. Ungureanu N., Popa D.L., Isticioaia S., Dumitrescu L., Matei Ghe., Apostol L.
17.	OBTAINING THERMAL ENERGY FROM RENEWABLE SOURCES IN RURAL AREAS USING A COMBINED ENERGY SYSTEM	Dumitrescu L., Cristescu C., Rădoi R., Pavel I., Dragomir F., Cristea O.D.
18.	THEORETICAL CONSIDERATIONS ON THE FACTORS INFLUENCING THE PROCESSING OF HEMP STALKS	Găgeanu P., Găgeanu I., Olan M., Zaica Al.
19.	STATIC AND MODAL ANALYSIS OF A DEEP SOIL LOOSENING MACHINE	Gheorghe G.V., Daniel L., Mateescu M., Persu C.
20.	THE AMPLITUDE INFLUENCE ON THE THERMAL AND HYDRAULIC PERFORMANCES FOR A WAVY AIR FIN IN A COMPACT HEAT EXCHANGER USED IN AGRICULTURE APPLICATIONS	Albețel S., Rus A., Marțian V., Laza E.A.
21.	THEORETICAL RESEARCH TO ACCOMPLISH A SYSTEM OF ECOLOGICAL HEATING A GREENHOUSE FOR VEGETABLES	Marin E., Dumitrașcu A., Manea D., Mateescu M., Popa R., Popa V., Vasilachi C.
22.	SOUND POWER DETERMINATION FOR CENTRIFUGAL PUMPS USED FOR LOCAL AGRICULTURAL IRRIGATION IN ROMANIA	Chițoiu M., Moiceanu G., Paraschiv G., Ștefan M., Matache A.
23.	EVALUATION OF HAND TRANSMITTED CHAINSAW VIBRATIONS DURING WOOD CUTTING	Matache M.G., Dumitru D.N., Epure M., Munteanu M.

24.	AN ANALYSIS OF BAFFLES DESIGNS FOR LIMITING IMPACT ON THE DIRECTIONAL RESPONSE FOR A PARTIALLY FILLED TANK WITH AGRO-FOOD LIQUIDS	Milian G., Nenciu F., Sorică C. Biriș S.Șt., Ipate G., Hristea Al.
25.	MATHEMATICAL MODELLING AND NUMERICAL SIMULATION OF LINEAR ELECTRO-HYDRAULIC SERVOMECHANISM WITH STEPPER MOTOR	Muraru V.M., Dulgheru A.S., Muraru S.L., Muraru C. Călinoiu C.
26.	CLIMATE CHANGES AND METHODES TO PROTECT VEGETABLE CROPS	Muscalu A., Bîrsan M., Coța C., Gyorgy Z., Tudora C. Burnichi F.
27.	MATHEMATICAL MODELLING OF THE DRYING PROCESS OF SUGAR BEET PULP WITH MACRO AND MICROELEMENT ADDITIONS IN ORDER TO IMPROVE THE FEED QUALITY	Nagy M., Coța C., Gyorgy Z. Deac T.
28.	DETERMINING THE QUALITATIVE WORKING INDICES FOR VARIOUS FORMS OF THE ACTIVE BODY OF A RUT SOIL COMPARTMENTATION EQUIPMENT	Opreșcu M.R., Cristea M., Găgeanu I.
29.	ANALYSIS OF THE PROCESS OF GREEN HEMP STALKS SEQUENTIAL HARVESTING	Păun A., Stroescu Ghe., Zaica Al. Ciupercă R. Bogdanof C.
30.	RESEARCH ON THE USE OF CYLINDRICAL CUTTING DRUMS WITH BLADES IN CASCADE FOR MISCANTHUS HARVESTING	Păun A., Popa R., Popa V., Stroescu Ghe. Bogdanof C.
31.	STUDY ON THE EFFECTS AND CHANGES OF SOIL DEGRADATION UNDER THE INFLUENCE OF ANTIBIOTICS	Petre A.A., Grigore I.A., Mihalache D.B., Nenciu F., Stanciu M.M., Vanghele N.A., Vlăduțoiu L.
32.	STRUCTURAL, KINEMATIC AND KINETOSTATIC ANALYSIS OF A MANURE SPREADER EQUIPPED BY A MOBILE PLATFORM WITH ARTICULATED ELEMENTS	Popa L., Ganea-Christu I., Ștefan V. Moise Șt.I., Moise V.
33.	EXPERIMENTAL TESTING OF A HELICAL ROTOR FOR COMPOST DISTRIBUTION	Ștefan V., Ciupercă R., Nedelcu A., Suvac A.M., Zaica A., David L.
34.	THE INFLUENCE OF ENVIRONMENTAL FACTORS AND HEAVY METALS IN THE SOIL ON PLANTS' GROWTH AND DEVELOPMENT	Vanghele N.A., Matache A., Mihalache D.B., Petre A.A., Pruteanu A., Stanciu M.M.
35.	STUDY OF THE COMPRESSION BEHAVIOUR OF GRAPE SEEDS USING THE FINITE ELEMENT METHOD	Vasilachi C., Gheorghe G.V. Biriș S.Șt.
36.	EXPERIMENTAL WATER TREATMENT PLANT FROM AGROZOOTECNICAL FARM	Voicea I.F., Cujbescu D.I., Dumitru D.N., Marin E., Persu C. Moga I.C.
37.	<i>SORGHUM BICOLOR (L.) MOENCH.</i> - PLANT FOR THE FUTURE IN MOLDAVIA AGRICULTURE (ROMANIA) AND FOR THE HUMAN NUTRITION	Isticioaia S.-F., Leonte A., Popa L.D., Troțuș E., Apostol L., Voicea I., Matei Ghe.
38.	WASTEWATER ELECTROOXIDATION USING STAINLESS STEEL ELECTRODES	Ungureanu N., Vlăduț V., Cristea M. Cujbescu D.
39.	KINETOSTATIC ANALYSIS OF A SCISSOR JACK MECHANISM POWERED BY A TETRAD	Moise V., Dugășescu I.,

	RRR-Ta-RRR	Popa L., Ungureanu L., Moise Șt.I.
40.	MECHANO-HYDRAULIC PUMPING SOLUTIONS FOR REDUCTION OFF ENERGY LOSSES IN AGRICULTURAL MOBILE MACHINERY	Hristea Al., Tudor B., Sefu Șt. Milian G.

**(V). 19th International Scientific Conference
“Engineering for Rural Development”, Jelgava, LATVIA, 20-22.05.2020
ISSN 1691-5976**

41.	TESTS FOR PHYSICAL LAWS OF DRAFT FORCE GENERATED IN TILLAGE OPERATIONS pag.1262-1269	Cârdei R.P., Condruz P., Sfiru R., Muraru C.
42.	RESEARCH ON OSCILLATIONS OF SELF-DIRECTIONAL WHEELS ON MEANS OF TRANSPORT pag.1193-1200	Ciupercă R., Zaica A., Popa L., Ștefan V.
43.	CONSIDERATION ON SUPERIOR CAPITALIZATION OF WINE BY-PRODUCTS pag.1128-1133	Cristea O.D., Brăcăcescu C., Milea D., Cristea L.
44.	STRUCTURAL AND KINEMATIC ANALYSIS OF EQUIPMENT TO CUT WEEDS BETWEEN PLANTS ON SAME ROW pag.864-870	Gheorghe G.V., Persu C., Voicu Ghe.
45.	INFLUENCE OF FORAGE HARVESTER CHOPPING EQUIPMENT ON CHARACTERISTICS OF CHIPS pag.1319-1324	Nedelcu A., Ciupercă R., Zaica A., Ștefan V.
46.	CONSTRUCTIVE OPTIMIZATION BY METHOD OF FINITE ELEMENT ANALYSIS OF HEMP FIBRE PROCESSING EQUIPMENT pag.1612-1620	Olan M., Zaica Al., Păun A., Găgeanu P.
47.	RESEARCH ON OPTIMIZATION OF KNIFE APPROACH ANGLE FOR CUTTING MAIZE AND SORGHUM STALKS pag.1308-1312	Popa R., Popa V.
48.	IMPACT ASSESSMENT OF SOIL CONTAMINATED WITH POLLUTANTS ON CUCUMBER GROWTH pag.884-891	Pruteanu A.
49.	INFLUENCE OF MOISTURE CONTENT ON AERODYNAMIC PROPERTIES OF AGRICULTURAL PRODUCTS IN SEPARATION OF IMPURITIES PROCESS pag.1277-1283	Stroescu Ghe., Păun A., Voicea I., Persu C., Matache A., Bunduchi G.
50.	EXPERIMENTAL RESEARCH REGARDING INFLUENCE OF SOIL ELECTRODE CONDUCTIVITY AND PH DATA ON PRODUCTIVITY OF AGRICULTURAL CEREAL CROPS pag.1674-1678	Voicea I., Dumitru D., Vlăduț V.
51.	FACTORS THAT INFLUENCE COVERAGE DEGREE IN SEED TREATMENT EQUIPMENT HAVING BRUSH SCREW CONVEYOR pag.1325-1330	Zaica Al., Olan M., Bunduchi G., Zaica A., Găgeanu P., Păun A.
52.	INFLUENCE OF AIR TEMPERATURE ON FODDER MOISTURE IN THE CONSERVATION TECHNOLOGY pag.1641-1647	Zaica A., Ciupercă R., Zaica Al., Popa D.
53.	STATISTICAL ANALYSIS OF EXPERIMENTAL DATA OBTAINED IN WEAR EXPERIENCES OF DENTAL MILLS pag.1539-1546	Sărăcin Al., Cârdei R.P., Voicu Ghe., Filip I.
54.	EXPERIMENTAL ANALYSIS OF WEAR OF DENTAL MILLS pag.1531-1538	Sărăcin Al., Cârdei R.P., Sărăcin I., Voicu Ghe., Filip I.
55.	COMPARATIVE RESEARCH ON REALIZATION OF AGROTEHNICAL INDICES BY SEEDLING PLANTING MACHINES WITH BUCKET DISPENSERS pag.549-554	Mitrache P., Sărăcin I., Ciupercă R.
56.	CAPITALIZATION OF WASTEWATER-GROWN ALGAE IN BIOETHANOL PRODUCTION pag.1859-1864	Ungureanu N., Biriș S.Șt., Vlăduț N.V.

(VI). International Conference on Applied Sciences - ICAS2020, May 20-22, 2020, Hunedoara, Romania		
57.	MODULAR LOAD-BEARING STRUCTURES FOR THE STUDY OF INTERACTION BETWEEN THE SOIL AND THE WORKING PARTS OF AGRICULTURAL MACHINES	Cârdei P., Constantin N., Sfiru R., Muraru V., Condruz P.
58.	STRUCTURAL ANALYSIS OF A MODULATED LOAD-BEARING STRUCTURE DESIGNED TO INVESTIGATE THE INTERACTION BETWEEN SOIL AND THE WORKING PARTS OF AGRICULTURAL MACHINES	Cârdei P., Constantin N., Sfiru R., Muraru V., Muraru S.
59.	USING SHERPA SCREENING TOOL FOR DESIGN AND ASSESSMENT OF LOCAL AND REGIONAL AIR QUALITY MANAGEMENT	Popescu F., Vujic B., Cioabla A.E., Marceta U., Dungan L.I., Trif-Tordai G., Laza E.A.

(VII). ATOM-N 2020 – the 10th edition Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies, Volume 11718, 117181O (2020) August 20-23, 2020, Constanța, Romania		
60.	COMMAND AND CONTROL OF PLATFORMS FOR SCANNING SOIL PROPERTIES	Muraru S.L., Șchiopu P.
61.	MECHATRONIC PLATFORM WITH SENSORS FOR SMART AGRICULTURE	Muraru V., Muraru S.L., Vlădescu M., Feies V., Șchiopu P., Vasilii N., Crăciun Al., Voiculescu V.G.

(VIII). STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, LXV, 2/ 2020, IF: 0,494		
62.	MODELLING OF SUGAR BEET PULP DRYING PROCESS pag. 21-28	Ghirișan A., Drăgan S., Coța C., Nagy E.M., Zoltan G., Miclăuș V.

(IX). Agronomy, Vol. 10, Issue 12/2020, IF: 2,603		
63.	TOMATO CROP PERFORMANCES UNDER CHEMICAL NUTRIENTS MONITORED BY ELECTRIC SIGNAL pag. 2-21	Mihalache G., Peres C.I., Bodale I., Achitei V., Ghiorghiloaie M.V., Teliban G.C., Cojocar A., Stoleru V., Butnariu M., Muraru V.

(X). Journal of International Scientific Publications, Agriculture & Food, vol. 8, 2020		
64.	DESIGN AND CREATIVITY IN THE FIELD OF AGRO – TEXTILES pag.107-119	Grosu C., Stroe C., Sârbu T., Burmichi F., Muscalu A., Tudora C.

(XI). ECAI 2020 - International Conference – 12th Edition, „Electronics, Computers and Artificial Intelligence” 25-27 June 2020, Bucharest, ROMANIA Electronic ISBN:978-1-7281-6843-2, Print on Demand(PoD) ISBN:978-1-7281-6844-9		
65.	Development of software for optimizing the fertilization of agricultural crop pag.1-6	Muraru S., Condruz P., Calciu I.

(XII). ROMANIAN BIOTECHNOLOGICAL LETTERS, vol. 25 (1) ISSN: 2248-3942; IF: 0,765		
66.	VALORIFICATION AS FUNCTIONAL INGREDIENTS OF SOME -BY-PRODUCTS FROM DIETARY SUPPLEMENT PROCESSING	Belc N., Apostol L., Vlăsceanu G., Moșoiu C., Manasia T., Vlăduț V. , Martinez S. Á.
(XIII). Scientific Papers Series Management, Economic Engineering in Agriculture and Rural Development Vol. 20, Issue 3 ISSN 2284-7995, ISSN Online 2285-3952		
67.	ESTIMATING THE ECONOMIC EFFICIENCY OF MEDICINAL CROPS pag.223-228	Dumitru E.A., Berevoianu R.L., Muscalu A. , Tudora C.
(XIV). SCIENTIFIC PAPERS-SERIES A-AGRONOMY, vol. 63, Issue: 1 ISSN 2285-5785, ISSN CD-ROM 2285-5793, ISSN ONLINE 2285-5807, ISSN-L 2285-5785		
68.	POTENTIAL OF JERUSALEM ARTICHOKE (Helianthus tuberosus L.) AS A BIOMASS CROP pag.387-393	Matei Gh., Vlăduț V. , Isticioaia S., Pânzaru R.L., Popa D.
(XV). SCIENTIFIC PAPERS-SERIES A-AGRONOMY, vol. 63, Issue: 2 ISSN 2285-5785, ISSN CD-ROM 2285-5793, ISSN ONLINE 2285-5807, ISSN-L 2285-5785		
69.	STUDY REGARDING THE OPTIMIZATION OF GRAIN SORGHUM CULTIVATION TECHNOLOGY IN THE CONTEXT OF SUSTAINABLE AGRICULTURE pag.145-152	Matei Gh., Vlăduț V. , Dodocioiu A.M., Toader M.
(XV). SUSTAINABILITY 2020, vol. 12, Issue 21; IF: 3,473		
70.	WATER SCARCITY AND WASTEWATER REUSE IN CROP IRRIGATION	Ungureanu N., Vlăduț V. , Voicu Gh.
(XVI). IOP Conference Series: Earth and Environmental Science 16-18 October 2020, Bucharest, Romania, Vol.635, 012002		
71.	STUDIES ON THE PERSPECTIVES OF REPLACING THE CLASSIC ENERGY PLANTS WITH JERUSALEM ARTICHOKE AND SWEET SORGHUM, ANALYZING THE IMPACT ON THE CONSERVATION OF ECOSYSTEMS	Nenciu F. , Vlăduț V.

8.1. Lucrări științifice / tehnice publicate în reviste de specialitate (BDI): **47**

Nr. crt.	REVISTA / ARTICOL / AUTORI
(I). Analele I.N.C.D.A. Fundulea - AGROTEHNICA CULTURILOR Vol. LXXXVIII / 2020 (e. ISSN: 2067-7758)	
1.	<p style="text-align: center;">THE INFLUENCE OF SOME TECHNOLOGICAL LINKS ON AGROPRODUCTIVE CAPACITY OF THREE MONOECIOUS HEMP GENOTYPES, UNDER ARDS SECUIENI CONDITIONS Popa L.D., Isticioaia S.F., Leonte A., Teliban G.C., Nedelcu A., Matei Ghe. pag.119-127</p>
(II). ANNALS OF THE UNIVERSITY OF CRAIOVA - The 16th ANNUAL MEETING "DURABLE AGRICULTURE – AGRICULTURE OF THE FUTURE" 26th November 2020, Craiova, Romania, Vol. 50, No.2 / 2020 – Agriculture, Montanology, Cadastre Series – ISSN 1841-8317, ISSN CD-ROM 2066-950X	
2.	<p style="text-align: center;">STUDY ON THE PRODUCTIVE CAPACITY OF AN ASSORTMENT OF JERUSALEM ARTICHOKE GROWN AT ARDS CARACAL Matei Ghe., Vlăduț V., Isticioaia S., Paraschivu M.</p>
3.	<p style="text-align: center;">CONSIDERATIONS CONCERNING THE AUTOMATION OF PROTECTED SPACES Cujbescu D., Persu C., Găgeanu I., Matache M., Voicea I., Dumitrescu L.</p>
4.	<p style="text-align: center;">THE IMPACT OF USING EQUIPMENT WITH DIGITAL CONTROL ON MODERN AGRICULTURE 4.0 -REVIEW Dumitru D., Petre A.A., Anghelache D., Tăbărașu A., Mihalache B.D., Stanciu M.M.</p>
5.	<p style="text-align: center;">RESEARCH OF THE MAIN PROCESSING WORKS FOR ESTABLISHING A JERUSALEM ARTICHOKE CROP ON DIFFICULT AND CONTAMINATED SOILS Dumitru I., Nenciu F., Grigore A.I., Persu C., Cristea M., Stroescu Gh., Oprescu M., Anghelache D., Vlăduțoiu L.</p>
6.	<p style="text-align: center;">THEORETICAL CONSIDERATIONS ON THE CHOICE OF VIBRATION METHOD AND ELECTRIC VIBRATOR SPEED FOR MILLING MACHINERY Dumitrașcu A., Bălțatu C., Gheorghe G.</p>
7.	<p style="text-align: center;">CONSIDERATION ON THE PROTECTION OF VINEYARDS AND ORCHARDS AGAINST HOAR AND FROST Găgeanu I., Cujbescu D., Persu C., Gheorghe G., Voicea I.</p>
8.	<p style="text-align: center;">CONSIDERATIONS REGARDING THE IMPORTANCE OF THE SORTING OPERATION OF FRUITS AND VEGETABLES Grigore A.I., Grigore I., Vlăduțoiu L., Sorică C., Sorică E., Cristea M., Petre A.A., Milian G., Dumitru I.</p>
9.	<p style="text-align: center;">INTELLIGENT WIRELESS TECHNOLOGY USAGE EFFECT IN CONTEXT OF PHYTOSANITARY TREATMENT SPRAYING Matache A., Petre A., Marin F.B., Gurău G., Gurău C., Marin M.</p>
10.	<p style="text-align: center;">THE USE OF DRONES IN MODERN AGRICULTURE Mihalache D.B., Stanciu M.M., Petre A.A., Vanghele N.A., Dumitru D., Matache A.</p>
11.	<p style="text-align: center;">CONSIDERATIONS ON THE TECHNOLOGIES FOR SEPARATING FRUIT SEEDS WITH APPLICATIONS ON THE SEPARATION OF SEA-BUCKTHORN PULP FROM SEEDS Milea D., Brăcăcescu C., Ciupercă R.</p>
12.	<p style="text-align: center;">RESEARCH ON INDUSTRIALIZATION IN OBTAINING BIOFERTILIZERS AND BIOFUELS FROM SEEAWEED Milian G., Vlăduț V., Matache M., Voicea I., Sorică E., Grigore A.I., Cristea M.</p>
13.	<p style="text-align: center;">REVIEW OF THE MAIN EQUIPMENT USED FOR SEPARATING CONTAMINANTS FROM WHEAT SEEDS, CLASSIFICATION ACCORDING TO THEIR FUNCTIONAL ROLE Mircea C., Nenciu F., Voicu Gh., Dumitru I., Oprescu M., Grigore A.I.</p>
14.	<p style="text-align: center;">RESEARCH ON THE OPTIMIZATION OF PLANTING WORK AS A LINK IN VEGETABLE GROWING TECHNOLOGY Mitrache P.M., Sărăcin Ion, Ciupercă R.</p>
15.	<p style="text-align: center;">RESEARCH ON DEVELOPMENT A MULTIFUNCTIONAL EQUIPMENT FOR HARVESTING MEDICINAL AND AROMATIC PLANTS FOR USE ON SMALL AREAS Muscalu A., Tudora C., Sorică C., Marian M., Vlăduț V., Nenciu F.</p>
16.	<p style="text-align: center;">RESEARCH ON HOUSEHOLD COMPOSTING EQUIPMENT USED FOR PROCESSING ORGANIC WASTE Nae G., Nenciu F., Voicea I., Găgeanu I.</p>
17.	<p style="text-align: center;">THERMOCHEMICAL CONVERSION TECHNOLOGIES FOR PRODUCING BIOFUELS FROM AGRICULTURAL BIOMASS Nenciu F., Voicea I., Găgeanu I., Vlăduț V.</p>
18.	<p style="text-align: center;">CONSIDERATIONS REGARDING THE USE OF EQUIPMENT FOR THE ESTABLISHMENT OF WATER COLLECTION BASINS FROM PRECIPITATION AND FROM THE USE OF SPRAY IRRIGATION SYSTEMS Oprescu R., Dumitru I., Voicea I., Găgeanu I., Vlăduț V., Biriș S.Șt.</p>
19.	<p style="text-align: center;">COST-BENEFIT ANALYSIS AND ENVIRONMENTAL IMPACT BY USING COMBINED RENEWABLE RESOURCES IN THE PRODUCTION OF 10 MW OF ELECTRICITY Pișleagă M.V., Caba I.L.</p>

20.	INFLUENCE ON QUALITY AND ENERGY INDICES FOR A REVERSIBLE PLOW EQUIPPED WITH ELECTRIC VIBRATORS Persu C., Gheorghe G., Găgeanu I., Cujbescu D., Fogaras A., Lates D.
21.	IMPACT OF GRANULAR FLOW DYNAMICS ON THE DESIGN AND MODELLING OF THE BUNKERS Petre A.A., Dumitru D., Stanciu M.M., Matache A., Vanghele N.A., Mihalache B.D., Grigore I.
22.	MODERN METHODS FOR FOOD PRODUCTS PRESERVATION Sorică C., Vintilă M., Vlăduț V., Grigore I., Vlăduțoiu L., Grigore A.I., Cristea M.
23.	ASPECTS REGARDING THE PRESERVATION OF FOOD PRODUCTS USING HIGH VOLTAGE PULSED ELECTRIC FIELD Sorică E., Vintilă M., Grigore A.I., Sorică C., Cristea M., Vlăduțoiu L.
24.	ALGAE COMPOSTING AND THE USE OF COMPOST OBTAINED AS FERTILIZER FOR ORGANIC FARMING Stanciu M.M., Petre A.A., Nenciu F., Vanghele N.A., Dumitru D., Matache A., Mihalache B.D.
25.	BENEFITS REGARDING THE IMPLEMENTATION OF AGRICULTURE 4.0 IN THE CURRENT CONTEXT Tăbărașu A.-M., Anghelache D., Dumitru D., Marin A.-M.
26.	EVALUATION STUDY REGARDING SOIL QUALITY INFLUENCE ON SEVERAL MEDICINAL CROPS Tudora C., Muscalu A., Nae Gh.V., Rotaru A., Coman V., Laslo L.
27.	CULTIVATION TECHNOLOGY AND BENEFITS OF FENUGREEK Vanghele N.A., Matache A., Petre A.A., Stanciu M.M., Mihalache D.B.
28.	AGRICULTURE 4.0 - A CHALLENGE FOR ROMANIAN AGRICULTURE Vlăduț V., Matache M., Vocea I., Matei Gh., Boruz S., Apostol L., Popa D., Ungureanu N., Nenciu F.
29.	AGRICULTURE 4.0 - THE USE OF SMART TECHNOLOGIES FOR HIGH-PERFORMANCE AGRICULTURE Vlăduț V., Petre A., Vocea I., Matei Gh., Boruz S., Apostol L., Popa D., Ungureanu N., Epure M., Dumitru C., Atanasov At.
30.	EXPERIMENTAL RESEARCH ON DETERMINING FORCES IN THE CUTTING PROCESS IN WET SANDY SOILS Vlăduțoiu L., Persu C., Găgeanu I., Grigore A.I., Sorică E., Petre A.A., Cristea M., Cristea O.D.
31.	RESEARCH ON THE DEVELOPMENT OF AN EXPERIMENTAL MODEL OF FISH POND FOR INTENSIVE FISH FARMING IN POLY CULTURE REGIME Vocea I., Găgeanu I., Vlăduț V., Cujbescu D., Persu C., Matache M.
32.	RESEARCH ON THE DEVELOPMENT OF AN EXPERIMENTAL MODEL WET SATURATED STEAM DISTILLATION EQUIPMENT Vocea I., Găgeanu I., Vlăduț V., Cujbescu D., Persu C., Matache M.

**(III). ACTA TECHNICA CORVINIENSIS – Bulletin of Engineering
University POLITEHNICA Timișoara, Faculty of Engineering Hunedoara
Tome XIII, Fascicule 3, 4 / 2020
e-ISSN: 2067 – 3809 (online)**

33.	EXPERIMENTAL RESEARCHES ON THE EVOLUTION OF THE LENGTH OF FIR TREE SAWDUST PELLETS Găgeanu I., Cârdei P., Voicu Ghe. Fasc. 3, pag.129-132
34.	MEASURING VIBRATIONS LEVEL DURING TRANSPORTATION WORK FOR AN ELECTRICAL TRACTOR Matache M.G., Voicu Ghe., Epure M., Vocea I.F., Găgeanu I., Ghilvacs M. Fasc. 4, pag.27-30
35.	EMERGING CONTAMINANTS IN WASTEWATER Ungureanu N., Vlăduț V., Biriș S.Șt. Fasc. 4, pag.65-72
36.	EXPERIMENTAL RESEARCHES FOR DETERMINING THE PHYSICAL-CHEMICAL PROPERTIES OF BIOMASS PELLETS Găgeanu G., Găgeanu I., Cujbescu D., Persu I.C. Fasc. 4, pag.95-97
37.	RESEARCH ON HEAT RECOVERY IN THE COMPOSTING PROCESS Ciupercă R., Nedelcu A., Popa L., Zaica A., Ștefan V. Fasc.4, pag.109-114
38.	RESEARCH ON THE OPTIMIZATION OF TECHNOLOGIES APPLIED IN THE CONSTRUCTION OF AGRICULTURAL MACHINES Dumitru D., Muscalu A., Sorică C.M., Marian M. Fasc.4, pag.133-136

**(IV). ANNALS of FACULTY ENGINEERING HUNEDOARA
- International Journal of Engineering
ISSN-L: 1584-2665, Tome XVIII, Fasc. 1, 4 / 2020**

39.	INNOVATIVE METHODS FOR SPECIFIC APPLICATIONS AGAINST LATE SPRING FROST AFFECTING FRUIT TREES Coman M., Cristea O.D., Muraru S., Muraru-Ionel C., Muraru V., Marin E. Fasc.1, pag.157-161
40.	EXPERIMENTAL RESEARCH ON ACCUMULATION, OVER TIME, OF HEAVY METALS IN GREEN LETTUCE Cârdei P., Pruteanu A. Fasc.4, pag.165-170
41.	TENDENCIES REGARDING USAGE OF INTELLIGENT ALGORITHM OF IMAGE RECOGNITION WITHIN AGRICULTURAL CROP MAINTENANCE WORKS Matache A., Gheorghe G., Vanghele N.A., Petre A.A., Selvi C.C. Fasc.4, pag.213-218

**(V). Lucrări științifice USAMV Iași, seria Horticultură, vol. 63, Nr.1, 2020
International Congress: "Life sciences today for tomorrow"
22-23 October 2020, USAMV Iași, Romania
ISSN: 1454-7376**

- | | |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 42. | OBTAINED RESULTS REGARDING THE OPTIMIZATION OF GRAIN SORGHUM TECHNOLOGY IN PEDOCLIMATIC CONDITIONS FROM CENTRAL OF MOLDOVA
Isticioaia S.F., Leonte A., Popa D., Pintilie P., Matei Ghe., Vlăduț V., Vocea I.
pag.65-68 |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**(VI). ICEEE'2020 - International Conference on Economics, Energy and Environment,
June 25-27, 2020, Capadocia, Turkey**

- | | |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 43. | A MATHEMATICAL MODEL FOR A PROCESS OF COMPACTING GRANULAR MATERIALS
Cârdei P., Vlăduț V., Muraru-Ionel C., Găgeanu I.
pag.91 |
| 44. | COMPLEX CONSTITUTIVE EQUATIONS FOR GRANULAR MATERIALS IN COMPRESSION PROCESSES
Cârdei P., Găgeanu I., Matache M.G., Muraru S.L.
pag.96-110 |

**(VII). University Politehnica Bucharest - Scientific Bulletin, Series D, Vol. 82, Issue 2, 2020
ISSN 1454-2358**

- | | |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 45. | RESEARCHES ON THE INFLUENCE OF MOISTURE ON THE PROCESSES OF PELLETING POWDERED BIOMASS
Găgeanu I., Cârdei P., Voicu Ghe., Matache M.
pag.235-244 |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|

**(VIII). Scientific Papers Series Management, Economic Engineering in Agriculture and Rural
Development, 2020, Vol. 20, Issue 3 / 2020
PRINT ISSN 2284-7995, E-ISSN 2285-3952**

- | | |
|-----|-------------------------------------------------------------------------------------------------------------------------------------|
| 46. | ESTIMATING THE ECONOMIC EFFICIENCY OF MEDICINAL CROPS
Dumitru E.A., Berevoianu R.L., Muscalu A., Tudora C.
pag.223-228 |
|-----|-------------------------------------------------------------------------------------------------------------------------------------|

**(IX). MATEC Web of Conferences SESAM' 2019 Petroșani / Romania
Published in Volume 305, 00061 (2020), pp.1-7**

- | | |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 47. | REMOVAL OF HEAVY METALS FROM A CONTAMINATED SOIL USING PHYTOREMEDIATION
Arnold Tatu G.L., Vlăduț N.V., Vocea I., Vanghele N.A., Pruteanu M.A. |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------|