

A N E X A 4 . 1

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Funcția didactică: Conferentiar

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L I S T A**lucrărilor științifice în domeniul disciplinelor din postul didactic****A. Teza de doctorat**

A1. “STUDII ȘI CERCETĂRI PRIVIND PROCESUL DE SEPARARE A SUSPENSIILOR ÎN VEDEREA MODERNIZĂRII ECHIPAMENTELOR DIN INSTALAȚIILE DE EPURARE A APELOR UZATE”, 231 pag., susținere publică 29.09.2011, București, Conducător științific Prof.univ.dr.ing. Tudor CĂSĂNDROIU.

B. Cărți și capitole în cărți publicate în ultimii 10 ani

1. Ipate G., Ipate D. N. MODELAREA ȘI SIMULAREA FACTORILOR DE MEDIU, 179 pag., ISBN 978-973-0-37182-6, 2022.
2. Ipate G., INGINERIA SI CALITATEA MEDIULUI, Editura Printech, 170 pag., ISBN 978-606-23-1141-4. 2020.
3. Ipate G., DEZVOLTAREA DURABILĂ ÎN INGINERIA SISTEMELOR BIOTEHNICE, Editura Printech, 199 pag., ISBN 978-606-23-1141-7, 2020.

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. Ipate G., Cotici C.D., Ionescu A.D., Fatu V., Gageanu I., Cujbescu D., Nicolau A.M., Evaluation Of The Thermal Behavior Of Plants In The Microgreenhouse With Microbolometric Image Sensors/ Evaluarea Comportării Termice A Plantelor In Microsera Cu Senzori De Imagine Microbolometrici, INMATEH - Agricultural Engineering, Vol 71, NO 3, DOI : <https://doi.org/10.35633/inmateh-71-48>, 2023.
2. Ilie F, Ipate G. (2022) A Modelling Study of the Correlation between the Layer Obtained by Selective Transfer and the Dislocations Movement at the Friction Surfaces Limit, METALS, Volume 12, Issue 2, Article Number180,DOI10.3390/met12020180, Published: FEB 2022, [FI=2.758 / 2017-2022]
3. Ipate, G., Ciobanu, C., Tudor, P., Gageanu I., Cujbescu, D., Manaila, F., Adaptive neuro-fuzzy model for the control system of the clinker grinding process in ball mills in cement factories | model adaptiv neuro-fuzzy pentru sistemul de control al procesului de macinare a clinkerului in morile cu bile din fabricile de ciment, INMATEH - Agricultural Engineering, 2022, 68(3), pp. 579–588 [FI=0] (WOS:000506355900053)

4. Ilie F, Ipate G, Manaila F.C. (2022) Tribological Properties Study of Solid Lubrication with TiO₂ Powder Particles, MATERIALS, Volume 15, Issue 20, Article Number 7145, DOI10.3390/ma15207145, Published: OCT 2022, [FI=4.042 / 2017-2022]
5. Cârdei P., Tudora C., Vlăduț V., Pruteanu M.A., Găgeanu I., Cujbescu D., Bordean D.M, Ungureanu N., Ipate G., Cristea O.D., (2021) MATHEMATICAL MODEL TO SIMULATE THE TRANSFER OF HEAVY METALS FROM SOIL TO PLANT, Sustainability 2021, 13(11), 6157; p. 1-18 <https://doi.org/10.3390/su13116157> (registering DOI) Published: 30 May 2021 [FI=2.798 / 2021]
6. Ipate, G, Constantin, G.A., Biris, S.S., Voicu, G., Rusanescu, C.O., Stefan, V., (2020) NUMERICAL 3D ANALYSIS OF A MINI WIND TURBINE WITH HORIZONTAL AXIS, FOR IMPLEMENTATION IN AGRICULTURAL FARMS, INMATEH-AGRICULTURAL ENGINEERING Vol. 62 - 3, p. 325-332, DOI: 10.35633/inmateh-62-34, (WOS:000607172200035)
7. Ilie F, Ipate G., (2020) STUDY OF THE ADDITIVES INFLUENCE IN THE CMP SLURRY FOR THE SURFACES PLANARISATION COVERED BY SELECTIVE TRANSFER, International Journal of Surface Science and Engineering, Volume 14, Issue 2, pg. 105-116, [FI = 0.731/2021] (WOS:000551920000002)
8. Stefan, EM., Voicu, G., Constantin, GA., Munteanu, GM., Ipate, G., (2019) EFFECT OF SUGAR SUBSTITUTES ON WHEAT DOUGH RHEOLOGY, Scientific study and research-chemistry and chemical engineering biotechnology food industry, ISSN: 1582-540X, Vol. 20 - 2, p. 313-320 (WOS:000474825800015)
9. Ivancu, B., Voicu, G., Ipate, G., Ilie, F. (2019) EQUIVALENT STIFFNESS OF THE ELASTIC ELEMENT, TYPE LAMELLA, FOUND IN THE STRUCTURE OF THE MP42 MILL, UPB Scientific Bulletin, Series D: Mechanical Engineering, Series D, Vol. 81, Iss. 1, 2019, p. 261 - 270 (https://www.scientificbulletin.upb.ro/rev_docs_arhiva/full47e_937482.pdf) (Scopus)
10. Voicu, Gh., Toma, M. L., Tudor, P., Ipate, G., Stefan, V., (2018) - ASPECTS REGARDING THE COMPRESSION RESISTANCE OF GEOSYNTHETICS USED IN BUILDING MUNICIPAL SOLID WASTE LANDFILLS, Inmateh-Agricultural Engineering, Vol. 54 - 1, p. 7-14, JAN-APR 2018 [FI=0] (WOS:000438910100002)
11. Ilie, F., Chisiu, G., Ipate, G., (2017) - A METHOD FOR DETERMINING THE THICKNESS OF TRIBOLOGICAL PERFORMING THIN LAYERS FORMED BY SELECTIVE TRANSFER, IOP Conference Series: Materials Science and Engineering 174(1),012065 (WOS:000399753500065) (Scopus)
12. Ipate, G., Voicu, G., Melinescu, A., (2016) - TRIBOLOGICAL PROPERTIES OF CHERRY TOMATO FRUITS GROWN IN GREENHOUSE, Journal of the Balkan Tribological Association, Vol. 22, No 4, p.4908-4916, ISSN 1310-4772, [FI = 0.737 / 2016]
13. Moiceanu G., Voicu G., Musuroi G., Paraschiv G., Dinca M., Ipate G., Chițoiu M., (2016) - ENERGY CONSUMPTION EVALUATION DURING MECHANICAL PROCESSING OF AGRICULTURAL VEGETAL BIOMASS, UPB Scientific Bulletin, Series D: Mechanical Engineering (2016) 78(3), p. 215-222 ISSN: 1454-2358 (https://www.scientificbulletin.upb.ro/rev_docs_arhiva/fullab5_812585.pdf) (Scopus)

14. Ipate, G., Voicu, G., Dinu, I., (2015) Research on the use of drones in precision agriculture, UPB Scientific Bulletin, Series D: Mechanical Engineering (2015) 77(4) p. 263-274, ISSN: 1454-2358 (https://www.scientificbulletin.upb.ro/rev_docs_arhiva/full4af_166038.pdf) (Scopus)
15. Ipate, G., Ilie, F., Cristescu, A.C. (2020) - FINITE ELEMENT 3D NUMERICAL SIMULATION STUDY OF CAR BRAKING SYSTEMS AND BRAKE DISC/DRUM - PAD/SHOE FRICTION COUPLE MATERIALS, E3S Web Conf. Volume 180, 9th International Conference on Thermal Equipments, Renewable Energy and Rural Development (TE-RE-RD 2020) DOI: <https://doi.org/10.1051/e3sconf/202018003003>, Published online: 24 July 2020, p.1-6, https://www.e3s-conferences.org/articles/e3sconf/pdf/2020/40/e3sconf_te-re-rd2020_03003.pdf (Scopus)
16. Milian G., Biriș S.S., Ipate G., Hristea A., Sorica C., Nenciu F., (2020) AN ANALYSIS OF BAFFLES DESIGNS FOR LIMITING IMPACT ON THE DIRECTIONAL RESPONSE FOR A PARTIALLY FILLED TANK WITH AGRO-FOOD LIQUIDS, E3S Web of Conferences, Vol. 180 (2020), 9th International Conference on Thermal Equipments, Renewable Energy and Rural Development (TE-RE-RD 2020) DOI: <https://doi.org/10.1051/e3sconf/202018003024>, Published online: 24 July 2020, p. 1-7 https://www.e3s-conferences.org/articles/e3sconf/pdf/2020/40/e3sconf_te-re-rd2020_03024.pdf (Scopus)
17. Milian G, Biriș S.Ș, Ipate G., (2019), MODELLING BEHAVIOUR OF A PARTIALLY LOADED ROAD TANKER WITH AGRO-FOOD LIQUIDS DURING THE BREAKING MANOEUVRE, E3S Web Conf., Volume 112, 2019 8th International Conference on Thermal Equipment, Renewable Energy and Rural Development (TE-RE-RD 2019), <https://doi.org/10.1051/e3sconf/201911203006>, Published online: 20 August 2019, p. 1-6, https://www.e3s-conferences.org/articles/e3sconf/pdf/2019/38/e3sconf_te-re-rd18_03006.pdf (WOS:000619989000039) (Scopus)
18. Zabava, BS., Ipate, G., Voicu, G., Dinca, M. Ungureanu, N., ; Ferdes, M ., Vladut, V. (2019) SMART SYSTEM TO MONITOR WASTEWATER TREATMENT BASED ON RASPBERRY PI COMPUTER, Proceeding of the 47rd International Symposium „Actual Tasks on Agricultural Engineering”, Croația, Opatija, 05-07 mar. 2019, Vol. 47, p. 159-166 [FI=0] (WOS:000472729500015)
19. Ipate, G., Musuroi, G., Constantin, G.-A., (...), Zabava, B., Pihurov, M., (2019) - EXPERIMENTAL AND NUMERICAL SIMULATION RESEARCH OF SEDIMENTATION PROCESS IN STATIONARY COLUMN OF AQUEOUS SUSPENSION OF SOLIDS, E3S Web of Conferences, 8th International Conference on Thermal Equipment, Renewable Energy and Rural Development (TE-RE-RD 2019) Târgoviște, Romania, June 6-8, 2019, ISSN: 2267-1242, <https://doi.org/10.1051/E3SCONF/201911203028>, p.1-6 , [FI=0] (WOS:000619989000061)
20. Ipate, G, Constantin, G, Voicu, G, Musuroi, G, Stefan, EM, Munteanu, MG, Dumitrescu, L, (2019) SMALL AGRIBOT FOR MONITORING ENVIRONMENTAL VARIABLES IN GREENHOUSE, Proceedings 47th Symposium on Actual Tasks on Agricultural Engineering, Croatia, Opatija, Vol. 47, p. 277-285, ISSN: 1848-4425, [FI=0] (WOS:000472729500028)
21. Constantin GA, Voicu G, Ipate G, Musuroi G, Stefan EM, Munteanu MG, Stoica D, (2019) - INFLUENCE OF MOTION TYPE ON GRANULOMETRIC DISTRIBUTION OF GRIST OBTAINED FROM SOME VARIETIES OF WHEAT AND CORN, 47th Symposium on Actual Tasks on

- Agricultural Engineering, Opatija, Croatia, mar. 05-07, 2019, Vol.47. p. 409-417, ISSN: 1848-4425, (WOS:000472729500042) (Scopus)
22. Moiceanu, G., Voicu, G., Paraschiv, G., Ipate, G., (2019) ASPECTS REGARDING MISCANTHUS CUTTING PROCESS FEM SIMULATION AND SOME EXPERIMENTAL DATA, Conference: 18th International Scientific Conference on Engineering for Rural Development (ERD), MAY 22-24, 2019, Jelgava, LATVIA, Vol. 18, pp. 1490–1496 (WOS:000482103500217) (Scopus)
23. Stefan, E.M., Voicu, G., Constantin, G.A., Ipate, G., Munteanu, M., (2018) - EFFECT OF WHOLE BUCKWHEAT FLOUR ON TECHNOLOGICAL PROPERTIES OF WHEAT FLOUR AND DOUGH, Engineering for Rural Development, 2018, 17, pp. 1533–1538, ISSN 16913043, <http://www.tf.llu.lv/conference/proceedings2018/Papers/N393.pdf>, DOI10.22616/ERDev2018.17.N393 (Scopus)
24. Constantin, GA., Ipate, G., Voicu, G., Musuroi, G., Munteanu, MG., Dragomir, M., (2018) EVALUATION OF HAND-ARM VIBRATION TRANSMITTED DURING SOIL TILLAGE BASED ON ARDUINO AND MPU9250 MOTION SENSOR, Proceedings 46th Symposium on Actual Tasks on Agricultural Engineering, Opatija, Croatia, FEB 27-MAR 01, 2018, p. 99-106, ISSN: 1848-4425, (WOS:000506355900009)
25. Munteanu, MG., Voicu, G., Ipate, G., Gheorghia, E., Constantin, GA., Dutu, IC., Istrate, IA., (2018) - ASPECTS REGARDING THE FLOW OF THE MIXTURE FLOUR-WATER AT DIFFERENT TEMPERATURES, THROUGH SMALL DIAMETER CHANNELS, Proceedings 46th International Symposium: Actual tasks on agricultural engineering, Opatija, Croatia, FEB 27- MAR 01, 2018, Vol. 46, p. 447-455 [FI=0] (WOS:000506355900045)
26. Ipate, G, Constantin, G, Voicu, G, Musuroi, G, Stefan, EM, Munteanu, MG, REAL-TIME MEASUREMENT OF SOLAR ULTRAVIOLET EXPOSURE IN A PLASTIC GREENHOUSE, Proceedings 46th International Symposium: Actual tasks on agricultural engineering, Opatija, Croatia, FEB 27-MAR 01, 2018, Vol. 46, p. 517-524 [FI=0] (WOS:000506355900053)
27. Voicu G., Constantin G., Ipate G., Tudor P. (2017), - FARINOGRAPHIC PARAMETER VARIATION OF DOUGHS FROM WHEAT FLOUR WITH AMOUNT OF WATER ADDED, Proceeding of the 16TH International Scientific Conference: Engineering for Rural Development”, LATVIA, Jelgava, 24-26 mai, 2017, p. 976–981, (WOS: 000416378300150) (Scopus)
28. Ipate G, Voicu G., Casandroi T., (2016) ENGINEERING PROPERTIES OF TWO CHERRY TOMATO VARIETIES CULTIVATE IN PLASTIC GREENHOUSE, Proceeding of the 44rd International Symposium „Actual Tasks on Agricultural Engineering”, Croația, Opatija, 23-26 febr. 2016, Vol. 44, p. 269-277, FI = 0 (WOS: 000432240900024)
29. Ipate G., Voicu G., Stefan EM, Manea D., Dinca M. (2015) AIR DUST PARTICLES MONITORING IN A GREENHOUSE BASED ON THE ARDUINO, Proceeding of the 43rd International Symposium „Actual Tasks on Agricultural Engineering”, Croația, Opatija, 24-27 febr. 2015, Vol 43, p. 461- 471 [FI=0] (WOS: 000373450700041)

D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți

(neindexate)**- Selecție cu maximum 20 lucrări în volume de conferințe**

1. Ipate G., Biris, SS., Voicu, G., Vladut, V., Zabava, B., Udrioiu, NA., Pihurov, M., (2019) NUMERICAL SIMULATION AND EXPERIMENTAL EVALUATION OF THE RHEOLOGICAL BEHAVIOUR OF CHEESE, Research people and actual tasks on multidisciplinary sciences 12 – 15 JUNE 2019, LOZENEC, BULGARIA
2. Ipate G., Constantin G.A., Voicu Gh., Musuroi G., Stefan E.M., Munteanu M.G., Dumitrescu L., (2018) GPS GUIDED AGRICULTURAL MINIROBOT /MINIROBOT AGRICOL GHIDAT PRIN GPS, Proceeding of International Symposium ISB-INMA TEH 2018, AGRICULTURAL AND MECHANICAL ENGINEERING, 1-3 Noiembrie 2018, București, România, p 675-682, ISSN 2344-4118
3. Voicu Gh, Toma M.L., Tudor P., Ipate G., (2016) ASPECTS REGARDING THE COMPRESSION RESISTANCE OF GEOSYNTHETICS USED IN BUILDING MUNICIPAL SOLID WASTE LANDFILLS, Proceedings of International Symposium of ISB-INMA TEH. Agricultural and mechanical engineering, 27-29 October 2016, Bucharest, Romania, pg. 375-382
4. Ipate G., Moise V., Biris S.S., Voicu Gh., Ilie F., Constantin G.A., (2018) DESIGN CONCEPTS OF MOBILE ROBOTS FOR AGRICULTURE, Proceedings of TERERD 2018, 31 May – 2 June 2018, Drobeta Turnu Severin, Romania, p. 427-434, ISSN 2457-3302, <http://www.tererd.pub.ro/wp-content/uploads/2015/01/Proceedings-TE-RE-RD-2018-CD-ROM.pdf>, Editura POLITEHNICA PRESS
5. Ipate G., Voicu Gh., Dumitrescu C., Murad E., Ilie F., (2017) MODELING AND SIMULATION OF MASS DOSING PROCESS TO PRODUCE PELLETS WITH EXCEL VBA PROGRAMING, Proceedings of TERERD 2017, pg. 225-231, http://www.tererd.pub.ro/wp-content/uploads/2015/01/International_Conference_TE-RE-RD_2017-printed.pdf, Editura POLITEHNICA PRESS
6. Voicu Gh., Duțu I.C., Tudor P., Ipate G., (2017) ASPECTS REGARDING THE CONSTRUCTION AND WORKING PROCESS OF AUTO-VIDANGES FOR SEWER UNCLOGGING, Proceedings of TERERD 2017, pg. 489-494, <http://www.tererd.pub.ro/wp-content/uploads/2015/01/Proceedings-of-TE-RE-RD-2016.pdf>, Editura POLITEHNICA PRESS
7. Ipate G., Voicu Gh, Constantin G., Ilie F., Tudor P., RESEARCH ON WIRELESSLY CONTROLLED CONVEYOR BELT WITH ANDROID APPLICATION, Proceedings of TERERD 2016, pg. 261-266, <http://www.tererd.pub.ro/wp-content/uploads/2015/01/Proceedings-of-TE-RE-RD-2016.pdf>, Editura POLITEHNICA PRESS

E – Lucrări prezentate la diferite seminarii/expoziții, conferințe, etc

E1. Ipate, G., (2020), "Robotics in environmental engineering - command of a servomechanism through the graphical interface in Python language", International Scientific Conference, Academy of Sciences of Turkmenistan, April 10, 2020.

Data:

Semnătura:

