

LISTA LUCRĂRILOR PUBLICATE

S. L. dr. ing. Neagu Anișoara-Arleziana

Teza de doctorat: „*Cercetări privind investigarea cazurilor speciale de transfer de căldură în industria alimentară*”, Coordonator științific: Prof. dr. ing. Elisabeta Botez, Universitatea “Dunărea de Jos”, din Galați, FACULTATEA DE ȘTIINȚA ȘI INGINERIA ALIMENTELOR

Calificativ obținut: **Doctor în Ingineria Produselor Alimentare**

Cursuri universitare (îndrumărilor de laborator, de proiectare) - 4

1. A.-A. Neagu, „*Îndrumar de lucrări practice-Fenomene de transfer de căldură și utilaje specifice*”, **2024, 241 pg.**, Editura Pim Iași, ISBN 1-231231-231119
2. V. Ionescu, **A.-A. Neagu**, „*Grafică asistată de calculator. Îndrumar de lucrări practice*”, **2020, 138 pg.**, Editura Pim Iași, ISBN 978-606-13-5446-7
3. **A.-A. Neagu**, “*Procese de transfer de căldură. Îndrumar de proiectare*”, **2012, 156 pg.**, „Ovidius” University Press, ISBN 978-973-614-704-3,
4. **A.-A. Neagu**, A.E. Sterpu, “*Procese de transfer de căldură. Îndrumar de laborator*”, **2010, 124 pg.**, „Ovidius” University Press, Constanța, ISBN 978-973-614-567-4,

Capitole de carte publicate în editura internațională - 1

1. Doina G. Andronoiu, **Anișoara-A. Neagu**, Gabriel D. Mocanu, Oana V. Nistor and Elisabeta Botez, *Romanian Sunflower Oil: Quality Indices, Physical – Chemical Properties and Potential Applications, chapter 2, pg. 47-81* in „**Sunflower Oil: Interactions, Applications and Research**”, editor Md Monwar Hossain, published by NOVA Science Publishers, Inc. New York, **2017**, ISBN: 978-1-53611-862-9, ISBN: 978-1-53611-898-6 (eBook).

Lucrări publicate în reviste cotate/indexate ISI – 2

1. **A.-A. Neagu**, C. I. Muntean (Koncsag), “*Model validation for the heat transfer in gasket plate heat exchangers working with vegetable oils*”, Processes, State of the Art of Bio-Oil Production and Processing, 2022, 10 (1), 102, ISSN-2227-9717, <https://doi.org/10.3390/pr10010102>, **FI=3,352**, CiteScore=3,5, SJR 2021=0,474, SNIP 2021=0,889 WOS: 000903467000001
2. **A.-A. Neagu**, C. Koncsag, A. Bărbulescu, E. Botez, „*Calculation methods for gasket plate heat exchanger used in vegetable oil manufacture. Comparative study*”. Revista de Chimie, **2015**, 66 (9), p.1504 – 1508, ISSN 0034-7752, **FI= 0,810**, WOS 000444602300019

Lucrari publicate în reviste recunoscute ISI (indexate Web of Science) – 8

1. Ionescu, V., **Neagu, A.-A.**, ”Investigation of the Energy Conversion Efficiency for a Thermoelectric Generator System with Forced Convection Cooling”, 2023, 17th International Conference on Engineering of Modern Systems (EMES), **2023**, Oradea, (1), 1-4, DOI: [10.1109/EMES58375.2023.10171737](https://doi.org/10.1109/EMES58375.2023.10171737), **Electronic ISBN:979-8-3503-1063-4**,
2. Ionescu, V., **Neagu, A.-A.**, ”Performance analysis of thermoelectric cooler-thermoelectric generator system for heat recovery applications”, International Symposium for Design and Technology in Electronic Packaging (SIITME), **2022**, (1). 31-35, doi: [10.1109/SIITME56728.2022](https://doi.org/10.1109/SIITME56728.2022) , WOS:000947243400008
3. Ionescu, V., **Neagu, A.-A.**, ”Thermal-hydraulic performance modelling of a sine-shaped wavy channel for electronics cooling applications”, Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies IX, 109772D, **2018** <https://doi.org/10.1117/12.2323339>
4. Ionescu, V., **Neagu, A.-A.**, „Numerical simulation of Al₂O₃ – water nanofluid effects on the performance of a cross flow micro heat exchanger”, IOP Conf. Series: Materials Science and Engineering 400, 042032, pp. 1-9, **2018**, [https://doi:1088/1757-899X/400/042032](https://doi.org/10.1088/1757-899X/400/042032)
5. Ionescu, V., **Neagu, A.-A.**, “Numerical modelling of fluid flow and heat transfer in a corrugated channel for heat exchanger applications”, Procedia Manufacturing 22, pp. 634-641, **2018** (indexat SCOPUS).
6. V. Ionescu, **A.-A. Neagu**, ”Numerical investigation of channel dimension effects on the performance of a cross flow micro heat exchanger for chip cooling applications”, Design and Technology in Electronic Packaging (SIITME - 2017), **2018**, (1), 141-144, doi:[10.1109/SIITME.2017.8259877](https://doi.org/10.1109/SIITME.2017.8259877)
7. V. Ionescu, **A.-A. Neagu**, ”Finite Element Method Analysis of a MEMS-Based Heat Exchanger with Different Channel Geometries”, Energy Procedia, **2017**, 112, 158-165, doi: 10.1016/j.egypro.2017.03.1077
8. **A.-A. Neagu**, C. Koncsag, A. Barbulescu and E. Botez, ”Estimation of pressure drop in gasket plate heat exchangers”, Ovidius University Annals of Chemistry, **2016**, 27 (1), 62 - 72, doi: 10.1515/auoc-2016-0011, ISSN-1223-7221,

Lucrari publicate în reviste indexate BDI – 15

1. Grigore (Geamăn) A. A., **Neagu, A.-A.**, ”Impact of polar compounds and additives on diesel fuel lubrication”, Bulletin of Romanian Chemical Engineering Society, 1, **2022**, p. 20-32, ISSN-2360-4697, <https://www.proquest.com/docview/2777075517/F3E3B1CECAF34BE4PQ/1>
2. **A.-A. Neagu**, A. Soceanu, S. Birghilă, ”Analysis of soils parameters in correlation with vegetation period”, Revista de Chimie, **2020**, 71 (9), 2020, p. 210-220, ISSN 0034-7752, <https://doi.org/10.37358/RC.20.9.831>,
3. **A.-A. Neagu**, I. Niță, E. Botez, „Corelation between some physico-chemical properties of sunflower oil”, Ovidius University Annals of Chemistry, **2014**, 25 (2), 71-74, doi: 10.2478/auoc-2014-0013, ISSN-1223-7221,

4. **A.-A. Neagu**, I. Niță, E. Botez, S. Geacai, "A physico-chemical study for some edible properties", *Ovidius University Annals of Chemistry*, **2013**, 24 (2), 121 - 126, Versita 10.2478/auoc-2013-0020, ISSN-1223-7221,
5. I. Niță, S. Geacai, **A.-A. Neagu**, E. Geacai, "Estimation of the refractive index of diesel fuel+biodiesel blends", *Ovidius University Annals of Chemistry*, **2013**, 24 (1), 24 - 26, Versita 10.2478/auoc-2013-0005, ISSN-1223-7221,
6. A. E. Sterpu, A. I. Dumitru, **A.-A. Neagu**, „Regeneration of Used Engine Lubrication Oil by Solvent Extraction. The Solvent Influence on Oil Ratio”, The Annal of „Dunarea de Jos” Univeristy of Galati, Fascicle IX, Metallurgy and Materials Science, 36(1), 62-67, **2013**, ISSN 1453-083X,
7. **A.-A. Neagu**, A. E. Sterpu, A. I.Dumitru, „Non-stationary heat transfer from spherical vessels under free convection. Investigation of liquid petroleum products storage”, *Ovidius University Annals of Chemistry*, **2011**, 22 (1), 71-74, ISSN-1223-7221,
8. A. E. Sterpu, D. I. Arsenie, N. Teodorescu, A. I. Dumitru, **A.-A. Neagu**, „The rheological behavior of industrial and domestic wastewater sludge”, *Ovidius University Annals of Chemistry*, **2011**, 22(1), 44-47, ISSN-1223-7221,
9. A. I.Dumitru, C. I. Koncsag, A. E. Sterpu, **A.-A. Neagu**, “Jet fuel characterization using structural group analysis”, *Ovidius University Annals of Chemistry*, **2010**, 21 (2), 147-151, ISSN-1223-7221,
10. I. Nita, **A.-A. Neagu**., S. Geacai, A Dumitru., A Sterpu., “Study of the behavior of some vegetable oils during the thermal treatment”, *Ovidius University Annals of Chemistry*, **2010**, 21 (1), 5-8, ISSN-1223-7221,
11. M. Velicu, C. Koncsag, , **A.-A. Neagu**, “The prediction of flue gas emission from the combustion in the industrial tubular heaters”, *Ovidius University Annals of Chemistry*, **2009**, 20 (1), 137-141, ISSN-1223-7221,
12. **A.-A. Neagu**, A. Sterpu, M. Patrascu, „Algorithm for calculation heat recovery in air pre-heaters of tubular furnaces.” *Ovidius University Annals of Chemistry*, **2007**, 18 (2),141-150, ISSN-1223-72217,
13. D. Mandalopol, I. Nita, C. Teodorescu, A. Sterpu, **A.-A. Neagu**, “A biorefinery model” International Conference: New trends in petroleum refining, *Ovidius University Annals of Chemistry*, **2007**, 21(2),137 – 141, ISSN-1223-7221,
14. N. Rășanu, **A.-A. Neagu**., F.Gheorghe “Antioxidant additives for lubricating oils”, *Ovidius University Annals of Chemistry*, **2004**, 15 (1), 92 – 95, ISSN-1223-7221,
15. I. Niță, D. Mandalopol, **A.-A. Neagu**., C. Teodorescu, "Study of the corrosion attack of the acidic organic medium in the ethyl-benzene reactor”, *Ovidius University Annals of Chemistry*, **2004**, 15 (1), 50 – 52, ISSN-1223-7221,

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1. C. Koncsag., G. Maioru, A. Toiu, **A.-A. Zaharia (Neagu)**, “Study of the extraction in a contactor equipped with a new type of packing”, Studii și cercetări

- științifice:Chimie si Inginerie chimica,biotehnologie si industrie alimentara, Universitatea Bacau, **2003**, (2), 87-90, ISSN 1582-540X,
2. N. Rașanu, D. Mandalopol, **A.-A. Zaharia (Neagu)**, „*Synthesis of some p-nonylphenol-cyclohexane formaldehydes epoxidate resins.*” *Ovidius University Annals of Chemistry*, **2003**, 14(1), 90-92, ISSN-1223-7221,

Lucrari publicate în reviste de categoria C - 2

1. C. Koncsag, **A.-A. Zaharia (Neagu)**, G. Maioru, "Mass transfer study at the extraction of H_2S from liquid hydrocarbon fractions with MEA solutions. Estimation of chemical enhancement factor", *Ovidius University Annals of Chemistry*, **2002**, 13(1), 66 – 68, ISSN 1223 – 7221,
2. E. Chirila., N. Rașanu., **A.-A. Zaharia (Neagu)**, „*The UV radiation influence on the wastewater treatment processe.*” *Ovidius University Annals of Chemistry*, **1999**, 10(1), 72-77, ISSN-1223-7221,

Lucrari publicate in extenso în volume ale conferințelor internaționale – 15

1. Ionescu, V., **Neagu, A.-A.**, "Investigation of the Energy Conversion Efficiency for a Thermoelectric Generator System with Forced Convection Cooling", 17th International Conference on Engineering of Modern Systems (EMES), 09-10 June 2023, **2023**, Oradea, Romania,
2. Ionescu, V., **Neagu, A.-A.**, "Performance analysis of thermoelectric cooler-thermoelectric generator system for heat recovery applications", 2022 IEEE 28th International Symposium for Design and Technology in Electronic Packaging (SIITME), 26-29 October **2022**, Bucharest, Romania,
3. Grigore (Geamăn) A. A., **Neagu, A.-A.**, "Impact of polar compounds and additives on diesel fuel lubrication", SICHEM 2022, Symposium of Chemical Engineering and Materials, 17-18 November, **2022**, Bucharest, Romania
4. Ionescu, V., **Neagu, A.-A.**, "Thermal-hydraulic performance modelling of a sine-shaped wavy channel for electronics cooling applications", Conference Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies IX, 1097713, Constanța, **2018**, DOI:10.1117/12.2323339
5. V. Ionescu and **A.-A. Neagu**, "Numerical simulation of Al_2O_3 – water nanofluid effects on the performance of a cross flow micro heat exchanger", ModTech 2018 International Conference, 13-16 June 2018, Constanta, Romania, IOP Conference Series: Materials Science and Engineering, **2018** IOP Conf. Ser.: Mater. Sci. Eng. 400 (042032), pp. 1-9, doi:10.1088/1757-899X/400/4/042032, (indexat ISI Web of Science).
6. Ionescu, V., **Neagu, A.-A.**, "Numerical modelling of fluid flow and heat transfer in a corrugated channel for heat exchanger applications", INTER_ENG 2017, The 11th International Conference Interdisciplinarity in Engineering, 5 - 6 October **2017**,

- "Petru Maior" University of Tîrgu-Mureş, Romania, *Procedia Manufacturing* 22, pp. 634-641, 2018 (indexat SCOPUS).
7. A. E. Sterpu, A. I. Dumitru, **A.-A. Neagu**, „*Regeneration of used engine lubrication oil by solvent extration. The influence of the solvent to oil ration*”, Conferinta Internationala Ugal Mat 2011 Technology and Advanced Materials, Galati 21-22 oct., p. 202-208, **2011**, ISSN 1843- 5807
 8. A. E. Sterpu, A. I. Dumitru, **A.-A. Neagu**, „*Corrosion behavior of steel auto motive engine parts in biodiesel of different origin*”, Proceeding of “CAR 2011 International Congress AUTOMOTIVE AND ENVIRONMENT”, 2-4 Nov. 2011, ISSN 1453 - 1100
 9. I. Nita, **A.-A. Neagu**., S. Geacai, A Dumitru., A Sterpu., “*Study of the behavior of some vegetable oils during the thermal treatment*”, Workshop Challenges In Food Chemistry, *Ovidius University Annals of Chemistry* 21(1), 5-8, **2010**, ISSN-1223-7221,
 10. A.I.Dumitru, C.I. Koncsag, A.E. Sterpu, **A.-A. Neagu**, “*Jet fuel characterization using structural group analysis*”, Workshop Challenges In Food Chemistry, *Ovidius University Annals of Chemistry* 21(2), 147-151, **2010**, ISSN-1223-7221;
 11. A. E. Sterpu, N. Teodorescu, I. M. Prodea, **A.-A. Neagu**, A. I. Dumitru, „*The effect of composition and temperature on the rheological properties of greases based on calcium soaps*”, *International Review of Chemical Engineering, Rapid Communications (IRECHE)*, **2010**, 2 (1), 81 – 85, ISSN:2035-1755,
 12. A. E. Sterpu, I. Nita, **A.-A. Neagu**, A. I. Dumitru, S. Geacai, ”*Mathematical Models for mixing Time of Some Additive Free Calcium Soap Lubricating Greases*”, 2nd Conference of Chemical Engineering and Advanced Materials VIRTUAL FORUM (CEAM-VF 2010),*International Review of Chemical engineering Rapid Communications (IRECHE)*, **2010**, 2(7), 801-804,Print ISSN:2035-1763,Cd-ROM ISSN:2035-1763
 13. M.Velicu, C.Koncsag, , **A.-A. Neagu**, “*The prediction of flue gas emission from the combustion in the industrial tubular heaters*”, *International Conference on Chemistry, Ovidius University Annals of Chemistry* 20(1), 137-141, **2009**, ISSN-1223-7221,
 14. D.Mandalopol, I. Nita, C. Teodorescu, A. Sterpu, **A.-A. Neagu**, “*A biorefinery model*” *International Conference: New trends in petroleum refining, Ovidius University Annals of Chemistry* 21(2),137 – 141, **2007**, ISSN-1223-7221,
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Lucrari comunicate, cu rezumatul publicat în volumele conferintelor internationale –19

1. **Neagu, A.-A.**, Ionescu, V., ”*Hydrothermal, energy and exergy performance analysis of water and alumina-water nanofluid in gasket plate heat exchangers used for sunflower oil manufacturing*”, 21st International Balkan Workshop on Applied Physics, July 11-14, **2023**, Constanta, Romania, pg. 123-124

2. Ionescu, V., **Neagu, A.-A.**, "*Investigation of the Energy Conversion Efficiency for a Thermoelectric Generator System with Forced Convection Cooling*", 17th International Conference on Engineering of Modern Systems (EMES), 09-10 June 2023, **2023**, Oradea, Romania,
3. Grigore (Geamăn) A. A., **Neagu, A.-A.**, "*Impact of polar compounds and additives and biodiesel on diesel fuel lubrication*", SICHEM 2022, Book of Abstracts, Symposium of Chemical Engineering and Materials, 17-18 November, 2022, Bucharest, Romania,
4. V. Ionescu, **A.-A. Neagu**, A. Soceanu, "*FEM Modeling of mass transfer in electro dialysis desalination*", CHIMIA – 2018 - "New Trends In Applied Chemistry", MAY 24 - 26, **2018**
5. **A.-A. Neagu**, "*Variation of physico-chemical properties of vegetable oils during storage*", CHIMIA 2016 - "New Trends In Applied Chemistry", MAY 26-28, **2016**,
6. **A.-A. Neagu**, C. Koncsag, A. Bărbulescu, E. Botez, „*Estimation of pressure drop in gasket plate heat exchangers*”, International Workshop „Food Chemistry & Engineering”, 15 May, **2015**, ISSN 2457-2012, ISSN-L 2457-2012
7. **A.-A. Neagu**, I. Niță, E. Botez, "*Study of physico-chemical properties of sunflower oil*", CHIMIA 2014 - "New Trends In Applied Chemistry", MAY 23-24, **2014**,
8. I. Niță, **A.-A. Neagu**, E. Botez, S. Geacai, "*Correlations for refractive index of vegetable oils*", CHIMIA 2014 - "New Trends In Applied Chemistry", MAY 23-24, **2014**
9. **A.-A. Neagu**, I. Niță, E. Botez, S. Geacai, "*Study of physico-chemical properties of some edible oils*", International Workshop "Challenges in food chemistry", Constanța, 31 Mai-01 Iunie, ISBN - 978 - 973 - 61 - 7777, **2013**
10. I. Niță, S. Geacai, **A.-A. Neagu**, E. Geacai, "*Estimation of the refractive index of diesel fuel+biodiesel blends*", Workshop "New trends in oil, gas and petrochemical industry", Constanta, 24 - 25 Mai, ISBN - 978-973-614-7760, **2013**
11. A. E. Sterpu, A. I. Dumitru, **A.-A. Neagu**, „*Corrosion behavior of steel automotive engine parts in biodiesel of different origin*", Proceeding of CAR 2011 International Congress Automotive and Environment, Pitesti, 2 - 4 nov.,190, pe CD, ISSN 1453-1100, **2011**
12. I. Nita, **A.-A. Neagu**, S. Geacai, A. Dumitru, A. Sterpu, "*Study of the behavior of some vegetable oils during the thermal treatment*", International workshop Challenges in food chemistry, Constanta, mai **2010**, Book of abstract, ISBN 978-973-614-538-4, Ovidius University Press
13. S. Geacai, I. Nita, **A.-A. Neagu**, A. Dumitru, A.E. Sterpu, "*Study regarding the corrosivity of biodiesel and its blends with diesel fuel*", 2nd Internatioanl Conference on Chemistry and Chemical Engineering, Timisoara, 103, pe CD, ISSN 2068-374X, **2009**
14. I. Nita, S. Geacai A. Dumitru, **A.-A. Neagu**, , A.E. Sterpu, "*Correlation between physical properties of biodiesel-diesel oil blend*", 2nd Internatioanl Conference on Chemistry and Chemical Engineering, Timisoara, 104, pe CD,ISSN 2068-374X, **2009**

15. A. Dumitru A.E. Sterpu, **A.-A. Neagu**, I. Nita, S. Geacai, “*Composition effect of biodiesel-diesel oil blends on total unsaturation and acidity*”, 2nd International Conference on Chemistry and Chemical Engineering, Timisoara, 105, pe CD,ISSN 2068-374X, **2009**
16. A. Dumitru A.E. Sterpu, **A.-A. Neagu**, I. Nita, S. Geacai, “*Experimental study concerning ignition characteristics of biodiesel-diesel oil blends*”, 2nd International Conference on Chemistry and Chemical Engineering, Timisoara, 106, pe CD,ISSN 2068-374X, **2009**
17. A.E. Sterpu, **A.-A. Neagu**, A.I. Dumitru, “*Characterization of jet fuel by physico-chemical methods*”, *Chimia*, New trends in applied chemistry, 232, **2009**
18. D. Mandalopol, I. Nita, C. Teodorescu, A. Sterpu, **A.-A. Neagu**, “*A biorefinery model*” International Conference: New trends in petroleum refining, 29, ISBN 978-973-614-410-3, **2007**
19. **A.-A. Neagu**, M. Patrascu, „*Algorithm for calculation heat recovery in air pre-heaters of tubular furnaces.*” International Conference: New trends in petroleum refining, 55, ISBN 978-973-614-410-3, **2007**

Lucrari publicate în reviste departamentale sau în volume ale conferintelor nationale – 2

1. **A.-A. Neagu**, C. Konscag, A. Bărbulescu, E. Botez, ”*Comparative study of calculation methods for gasket plate heat exchanger used in food industry*”, Scientific Conference of Doctoral Schools from ”Dunărea de Jos” University of Galați, Second Edition - Galați, 15-16 May, **2014**
2. N. Rașanu, D. Mandalopol, **A.-A. Zaharia (Neagu)**, „*Synthesis of some p-nonylphenol-cyclohexane formaldehydes epoxidate resins.*” *Ovidius University Annals of Chemistry* 14(1), 90-92, **2003**, ISSN-1223-7221,

Citări (fără autocitări)

Indexate ISI si BDI – 114

Participari la conferinte internaționale și naționale – 31

1. 21st International Balkan Workshop on Applied Physics, July 11-14, **2023**, Constanta, Romania
 - **Neagu, A.-A.**, Ionescu, V., ”*Hydrothermal, energy and exergy performance analysis of water and alumina-water nanofluid in gasket plate heat exchangers used for sunflower oil manufacturing*”, poster, S5 (Engineering and Industrial Physics), P10
2. 17th International Conference on Engineering of Modern Electric Systems (EMES), 09-10 June **2023**, Oradea, Romania,
 - Ionescu, V., **Neagu, A.-A.**, ”*Investigation of the Energy Conversion Efficiency for a Thermoelectric Generator System with Forced Convection Cooling*”, (prezentare

- orală)
3. IEEE 28th International Symposium for Design and Technology in Electronic Packaging (SIITME), 26-29 October **2022**, Bucharest, Romania,
 - Ionescu, V., **Neagu, A.-A.**, ”*Performance analysis of thermoelectric cooler-thermoelectric generator system for heat recovery applications*”, (prezentare orală)
 4. SICHEM 2022, Symposium of Chemical Engineering and Materials, 17-18 November, **2022**, Bucharest, Romania
 - Grigore (Geamăn) A. A., **Neagu, A.-A.**, ”*Impact of polar compounds and additives on diesel fuel lubrication*”, (prezentare orală)
 5. CHIMIA – 2018 - ”New Trends In Applied Chemistry”, MAY 24 - 26, **2018**
 - V. Ionescu, **A.-A. Neagu**, A. Soceanu, ”*FEM Modeling of mass transfer in electro dialysis desalination*”, (poster)
 6. INTER_ENG 2017, The 11th International Conference Interdisciplinarity in Engineering, 5 - 6 October 2017, "Petru Maior" University of Tîrgu-Mureș, Romania
 - Ionescu, V., **Neagu, A.-A.**, ”*Numerical modelling of fluid flow and heat transfer in a corrugated channel for heat exchanger applications*”,(prezentare orală)
 7. ModTech 2018 International Conference, 13-16 June 2018, Constanta, Romania, IOP Conference Series: Materials Science and Engineering,
 - V. Ionescu and **A.-A. Neagu**, ”*Numerical simulation of Al₂O₃ – water nanofluid effects on the performance of a cross flow micro heat exchanger*”, 2018 IOP Conf. Ser.: Mater. Sci. Eng. 400 (042032), pp. 1-9, doi:10.1088/1757-899X/400/4/042032, (indexat ISI Web of Science).
 8. IEEE 23th International Symposium for Design and Technology in Electronic Packaging, October 26th – 29th, **2017**, Constanta, Romania
 - V. Ionescu, **A.-A. Neagu**, „*Numerical Investigation of Channel Dimension Effects on the Performance of a Cross Flow Micro Heat Exchanger for Chip Cooling Applications*” (poster, P1b.2)
 9. ECAI **2017**- International Conference – 9th Edition Electronics, Computers and Artificial Intelligence, 29 June-01 July, **2017**, Târgoviște, Romania
 - V. Ionescu, **A.-A. Neagu**, ”*Thermal-Hydraulic Performance Modelling of a Sine-Shaped Wavy Channel for Electronics Cooling Applications*”, International Conference – 9th Edition Electronics, Computers and Artificial Intelligence, 29 June-01 July, **2017**, Târgoviște, Romania
 10. EENVIRO, Bucharest, **2016**
 - V. Ionescu, **A.-A. Neagu**, ”*Finite Element Method Analysis of a MEMS-Based Heat Exchanger with Different Channel Geometries*”, Sustainable Solutions for Energy and Environment, EENVIRO **2016**, 26-28 October 2016, Bucharest, Romania
 11. CHIMIA 2016 – ”New Trends In Applied Chemistry”, **2016**
 - **A.-A. Neagu**, ”*Variation of physico-chemical properties of vegetable oils during storage*”, CHIMIA 2016 - ”New Trends In Applied Chemistry”, MAY 26-28, **2016** (poster),
 12. International Workshop „Food Chemistry & Engineering”, Constanța, **2015**

- **A.-A. Neagu**, C. Koncsag, A. Bărbulescu, E. Botez, „*Estimation of pressure drop in gasket plate heat exchangers*”, 15 May, **2015** (poster), ISSN 2457 – 2012, ISSN – L 2457 – 2012
- 13. CHIMIA 2014 - "New Trends In Applied Chemistry", Constanța, **2014**
 - **A.-A. Neagu**, I. Niță, E. Botez, "*Study of physico-chemical properties of sunflower oil*", CHIMIA 2014 - "New Trends In Applied Chemistry", MAY 23-24, **2014** (poster), ISSN – 2360-3941
- 14. CHIMIA 2014 - "New Trends In Applied Chemistry", Constanța, **2014**
 - I. Niță, **A.-A. Neagu**, E. Botez, S. Geacai, "*Correlations for refractive index of vegetable oils*", CHIMIA 2014 - "New Trends In Applied Chemistry", MAY 23-24, **2014** (poster), ISSN – 2360-3941
- 15. Scientific Conference of Doctoral Schols from "Dunărea de Jos" University of Galați, Second Edition - Galați, **2014**
 - **A.-A. Neagu**, C. Koncsag, A. Bărbulescu, E. Botez, "*Comparative study of calculation methods for gasket plate heat exchanger used in food industry*", Scientific Conference of Doctoral Schools from "Dunărea de Jos" University of Galați, Second Edition - Galați, 15-16 May, **2014** (poster)
- 16. International Workshop "Challenges in food chemistry", Constanța, **2013**
 - **A.-A. Neagu**, I. Niță, E. Botez, S. Geacai, "*Study of physico-chemical properties of some edible oils*", International Workshop "Challenges in food chemistry", Constanța, 31 Mai-01 Iunie **2013** (poster)
- 17. Workshop "New trends in oil, gas and petrochemical industry", Constanța, **2013**
 - I. Niță, S. Geacai, **A.-A. Neagu**, E. Geacai, "*Estimation of the refractive index of diesel fuel+biodiesel blends*", Workshopul "New trends in oil, gas and petrochemical industry", Constanta, 24-25 Mai **2013** (poster)
- 18. Proceeding of CAR 2011 International Congress Automotive and Environment, Pitești, **2011**
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Membru in comitetele de organizare ale conferințelor naționale și internaționale

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