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**Universitatea "Dunarea de Jos" din Galati ARACIS - Anexa 4b**  
**Facultatea de Arhitectură Navală**  
**Departamentul de Arhitectură Navală**  
**Specializarea Arhitectura Navala**

**LISTA ARTICOLELOR PUBLICATE LA CONFERINTE ÎN PERIOADA 2017-2021**

**A. Articole indexate ISI-WOS**

1. 2021. Domnișoru, L., *On the long-term hydroelastic global structural response evaluation of a 100000 tdw oil-tanker*, ModTech 9th International Conference Modern Technologies in Industrial Engineering, Maritime Engineering and Navigation, 23-26 June 2021, Constanta (online), Romania, IOP Conference Series: Materials Science and Engineering, Online ISSN: 1757-899X Print ISSN: 1757-8981, Paper ID: G-12, (în curs de indexare WOS)
2. 2021. Perijoc, D.S, Domnișoru, L., Angheluță, C.M., *Structural strength evaluation of a 3000 dwt river-barge, under oblique quasi-static design waves*, ModTech 9th International Conference Modern Technologies in Industrial Engineering, Maritime Engineering and Navigation, 23-26 June 2021, Constanta (online), Romania, IOP Conference Series: Materials Science and Engineering, Online ISSN: 1757-899X Print ISSN: 1757-8981, Paper ID: G-17, (în curs de indexare WOS)
3. 2021. Mandru, A., Pacuraru, F., *The effect of appendages on ship resistance*, IOP Conference Series Materials Science and Engineering 1182(1):012041, DOI: 10.1088/1757-899X/1182/1/012041.
4. 2021. Chiroșcă, A.M., Rusu, L., Pacuraru, F., *Study on the behavior of benchmark container ships in regular waves*, IOP Conference Series Materials Science and Engineering 1182(1):012013, DOI: 10.1088/1757-899X/1182/1/012013
5. 2021. Buruiana Daniela Laura, Herbei Elena Emanuela, Ceoromila Alina Mihaela, Busila Mariana, Trus Constantin, Bogatu Nicoleta (Simionescu), Ghisman Viorica, *Investigation of Corrosion of A and E36 Naval Steels Using Potentiodynamic Polarization and Modified Prohesion Test*, International Journal of Electrochemical Science, doi: 10.20964/2021.11.37, No: 160459, ISI, IF-1,765.
6. 2020. Bekhit, A., Obreja, C.D., *Numerical and Experimental Investigation on the Free-surface Flow and Total Resistance of the DTMB Surface Combatant*, ModTech 2020, IOP Conf. Series: Materials Science and Engineering, 916 (2020) 012008, doi:10.1088/1757-899X/916/1/012008.
7. 2020. Bilec, M., Obreja, C.D., *Ship resistance and powering prediction of a fishing vessel*, ModTech 2020, IOP Conf. Series: Materials Science and Engineering, 916 (2020) 012011, doi: 10.1088/1757-899X/916/1/012011.
8. 2020. Domnișoru, L., *On the strength assessment of a small liquid petroleum gas carrier in oblique waves by 1D and 3D-FEM analyses*, ModTech 8th International Conference Modern Technologies in Industrial Engineering, Maritime Engineering and Navigation, 24-27 June 2020, Constanta (online), Romania, IOP Conference Series: Materials Science and Engineering, Vol. 961, Issue 1, Online ISSN: 1757-899X Print ISSN: 1757-8981, Paper ID: G-23, <https://doi:10.1088/1757-899X/916/1/012027>, SCOPUS 162965, <https://iopscience.iop.org/article/10.1088/1757-899X/916/1/012027>, (WOS: 00062533 0000027, IDS Number: BQ9KR) (Conference indexed SCOPUS & WOS)



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9. 2020. Domnișoru, L., *On the oscillations response prediction of a small liquid petroleum gas carrier in random oblique waves*, ModTech 8th International Conference Modern Technologies in Industrial Engineering, Maritime Engineering and Navigation, 24-27 June 2020, Constanta (online), Romania, IOP Conference Series: Materials Science and Engineering, Vol. 961, Issue 1, Online ISSN: 1757-899X Print ISSN: 1757-8981, Paper ID: G-22, <https://doi:10.1088/1757-899X/916/1/012028>, SCOPUS 162965, <https://iopscience.iop.org/article/10.1088/1757-899X/916/1/012028>, (WOS:000625330000028, IDS Number: BQ9KR) (Conference indexed SCOPUS & WOS)
10. 2020. Pacuraru, F., Presura, A., Pacuraru, S., *Experimental Towing Tank Tests on High Speed Displacement Ship*, Modern Technologies in Industrial Engineering, IOP Conference Series: Materials Science and Engineering, Volume 591, Number 1, Eforie Nord, 2020
11. 2020. Mandru, A., Pacuraru, F., *Experimental study on catamaran hydrodynamics*, ModTech 2020 8th International Conference - Modern Technologies in Industrial Engineering, IOP Conference Series: Materials Science and Engineering, Volume 591, Number 1, Eforie Nord 2020
12. 2020. Bekhit A., Obreja D., 2020, *Numerical and Experimental Investigation on the Free-surface Flow and Total Resistance of the DTMB Surface Combatant* Proceedings of the 8<sup>th</sup> International Conference on Modern Technology in Industrial Engineering, MODTECH 2020, 23–27 June, online edition, România, IOP Conference Series: Material Science Engineering. 916 (2020), 012008; DOI:10.1088/1757-899X/916/1/012008, WOS:000625330000008, <https://iopscience.iop.org/article/10.1088/1757-899X/916/1/012008>.
13. 2020. Bekhit A., Popescu F., 2020, *Local Flow Assessment of the Japan Bulk Carrier using Different Turbulence Models* Proceedings of the 9<sup>th</sup> International Conference on Modern Technology in Industrial Engineering, MODTECH 2021, 23–26 June, online edition, România, IOP Conference Series: Material Science Engineering. 1182 (2021) 012004, DOI:10.1088/1757-899X/1182/1/012004, <https://iopscience.iop.org/article/10.1088/1757-899X/1182/1/012004>
14. 2020. Bekhit A., Popescu F., 2020, *Numerical Investigation of the Shallow Water Effect on the Total Resistance, Vertical Motion and Wave Profile of a Container Ship Model* Proceedings of the 9<sup>th</sup> International Conference on Modern Technology in Industrial Engineering, MODTECH 2021, 23–26 June, online edition, România, IOP Conference Series: Material Science Engineering, 1182 (2021) 012005. DOI:10.1088/1757-899X/1182/1/012005, <https://iopscience.iop.org/article/10.1088/1757-899X/1182/1/012005>
15. 2020. Deleanu L., Georgescu C., Ionescu T. F., Guglea D., Isacescu D., SR EN ISO 20623 - A standard for tribological evaluation of lubricants that may bust innovation, ACME, Iasi, 2020, IOP Conference Series: Materials Science and Engineering, Vol. 997, The 9th International Conference on Advanced Concepts in Mechanical Engineering - ACME 2020 4-5 June 2020, Iași, Romania, 2020 IOP Conf. Ser.: Mater. Sci. Eng. 997 012008
16. 2020. Ionescu T. F., Guglea D., Dima D., Georgescu C., Deleanu L., Rapeseed oil with anti-wear additives on the four ball tester, IOP Conference Series: Materials Science and Engineering, Volume 997, The 9th International Conference on Advanced Concepts in Mechanical Engineering - ACME 2020 4-5 June 2020, Iași, Romania, IOP Conf. Ser.: Mater. Sci. Eng. 997 012013
17. 2020. Chiroșcă Ana-Maria, Gasparotti Carmen, 2020. *Comparison between model test and numerical simulations for a container ship*, Proceeding of the 5th International Conference on Maritime Technology and Engineering (Martech2020), Volum Developments in Maritime Technology and Engineering, Editor Francis & Taylor Group, UK, 16-19 November, Lisbon, Portugal, eBook ISBN 9781003216599



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**18.** 2019. Burlacu, E., Domnișoru, L., *On a Small Size Floating Dock Structural Analysis in Oblique Design Waves by 3D-FEM Approach*, ModTech 7th International Conference Modern Technologies in Industrial Engineering, Maritime Engineering and Navigation, 19-22 June 2019, Iasi, Romania, IOP Conference Series: Materials Science and Engineering, Vol. 591, Issue 1, ISSN 1757-899X, ISSN 2286-4369, Paper ID: G-4, <https://doi:10.1088/1757-899X/591/1/012103>, (WOS:000562929900103, IDS Number: BP7TF), SCOPUS 151214, (Conference indexed SCOPUS & WOS)

**19.** 2020. Nechita, M., Popescu G., A comparative study of the barge's geometry under impact loads, Proceedings of The 8th International Conference Modtech 2020, 23-27 Iunie 2020, Iași-Constața (on-line), Romania, ModTech Publishing House, Page 302, IOP Conference Series: Materials Science and Engineering, 2020, 916(1), 012073, DOI:10.1088/1757-899X/916/1/012073, WOS: 000625330000073, <https://iopscience.iop.org/article/10.1088/1757-899X/916/1/012073>

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**21.** 2019. Pacuraru, S., Pacuraru F., Bekhit, A., Numerical Analysis of Ship Motions for an Offshore Vessel, ICNAAM 2019, 17th International Conference of Numerical Analysis and Applied Mathematics, AIP Proc., 2019

**22.** 2019. Bekhit, A., Pacuraru F., Pacuraru, S., Hull-Propeller-Rudder Interaction of the JBC Ship Model, ICNAAM 2019, 17th International Conference of Numerical Analysis and Applied Mathematics, AIP Proc., 2019

**23.** 2019. Pacuraru, F., Validation of potential flow method for ship resistance prediction, ModTech 2019, 7th International Conference - Modern Technologies in Industrial Engineering, IOP Conference Series: Materials Science and Engineering, Volume 591, Number 1, Iasi 2019, <https://iopscience.iop.org/article/10.1088/1757-899X/591/1/012113/pdf>

**24.** 2019. Pacuraru, F., Mandru, A., Improving the hydrodynamics performance of the catamaran passenger, ModTech 2019, 7th International Conference - Modern Technologies in Industrial Engineering, IOP Conference Series: Materials Science and Engineering, Volume 591, Number 1, Iasi 2019, <https://iopscience.iop.org/article/10.1088/1757-899X/591/1/012112>

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WOS:000513070800009, <https://asmedigitalcollection.asme.org/OMAE/proceedings-abstract/OMAE2019/58776/V002T08A009/1067538>



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- 27.** 2019. Bekhit A., Lungu A., *URANSE Simulation for the Seakeeping of the KVLCC2 Ship Model in Short and Long Regular Head Waves*, Proceedings of the 7<sup>th</sup> Modern Technology in Industrial Engineering Conference, MODTECH 2019, 17–20 June, Iași, România, IOP Conference Series: Material Science Engineering. 591(2019) 012102. DOI: 10.1088/1757-899X/591/1/012102, WOS:000562929900102, <https://iopscience.iop.org/article/10.1088/1757-899X/591/1/012102/meta>
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- 29.** 2019. Păcuraru F., Păcuraru S. Bekhit A. S. *Numerical Analysis of Ship Motions for an Offshore Vessel*, Proceedings of the 17<sup>th</sup> International Conference on Numerical Analysis and Applied Mathematics, ICNAAM 2019, 23 – 28 September 2019, Rhodes, AIP Conference Proceedings 2293, 420092 (2020); DOI: 10.1063/5.0027329, WOS:000636709500409, <https://doi.org/10.1063/5.0027329>.
- 30.** 2019. Nechita., M., Mocanu, C.I., *Barge's study under impact loads*, Proceedings of The 7th International Conference Modtech 2019, 19-21 Iunie 2019, Iași, Romania, ModTech Publishing House, Page 230, IOP Conf. Series: Materials Science and Engineering 591 (2019) 012109 DOI:10.1088/1757-899X/591/1/012109, WOS:000562929900109, <https://iopscience.iop.org/article/10.1088/1757-899X/591/1/012109/pdf>
- 31.** 2019. V.M.Drăgan, B D Tudor, L G Pintilie, *Assessment of soil quality in an area with hydrocarbon exploitation activities*. International Conference on Innovative Research - ICIR EUROINVENT 2019 IOP Conf. Series: Materials Science and Engineering 572 (2019) 012101 IOP Publishing doi:10.1088/1757-899X/572/1/012101
- 32.** 2019. V.M Drăgan, B D Tudor, L G Pintilie, *Determination of air quality in a petroleum extraction area*, International Conference on Innovative Research - ICIR EUROINVENT 2019 IOP Conf. Series: Materials Science and Engineering 572 (2019) 012100 IOP Publishing doi:10.1088/1757-899X/572/1/012100 2.V M
- 33.** Mircea-Viorel Drăgan, *MONITORING AIR QUALITY IN A SECTION OF METAL CONSTRUCTION, SCIENTIFIC CONFERENCE –GLOBALIZATION INTERCULTURAL DIALOGUE AND NATIONAL IDENTITY 6-th EDITION 25-26 MAY 2019 TIRGU MURES*, ISBN: 978-606-8624-19-8,p.153
- 34.** 2019. Buruiana Daniela Laura, Herbei Elena Emanuela, Ceoromila Alina Mihaela, Busila Mariana, Trus Constantin, Bogatu Nicoleta (Simionescu), Ghisman Viorica, *Investigation of Corrosion of A and E36 Naval Steels Using Potentiodynamic Polarization and Modified Prohesion Test*, International Journal of Electrochemical Science, doi: 10.20964/2021.11.37, No: 160459, ISI, IF-1,765.
- 35.** 2018. Obreja C.D., Crudu, L., Sălcianu, M., Plîngu, R., *Theoretical and experimental investigation of appendages and heeling angle influence on the hydrodynamic resistance of a sailing yacht*, Proceedings of the 19<sup>th</sup> International Conference on Ships and Maritime Research, 20-22 June 2018, Trieste, Italy, IOS Press 2018: Technology and Science for the Ships of the Future, ISBN:1614998701, pp. 819-820, doi:10.3233/978-1-61499-870-9-819.
- 36.** 2018. Burlacu, E., Domnisoru, L., Obreja, C.D., *Seakeeping prediction of a survey vessel operating in the Caspian Sea*, Proceedings of the 37<sup>th</sup> International Conference on Ocean, Offshore & Arctic Engineering, Madrid, Spain, OMAE 2018-77126, 2018, pp. V11AT12A012, doi: 10.1115/OMAE2018-77126, WOS:000449889900012.





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- 37.** 2018. Obreja, 2018. C.D., Chiroșcă, A.M., *Theoretical and experimental comparative analyse on the hydrodynamic resistance of a racing sailboat*, Proceedings of the International Conference *Modern Technologies in Industrial Engineering-ModTech 2018*, Constanța, IOP Conference Series: Materials Science and Engineering™ 400 (2018) 042044, DOI:10.1088/1757-899X/400/4/042044, WOS: 000461147400116.
- 38.** 2018. Burlacu, E., Păcuraru F., Domnișoru, L., *On a river – costal tug operation safety assessment in irregular waves*, ICTTE International Conference on Traffic and Transport Engineering, Inland Waterways Traffic and Transport Research, 27-28 September, Belgrade, Serbia, ISBN 978-86-916153-4-5, pp.187-194, (WOS:000542956800027, IDS Number: BP2KH), [http://ijtte.com/article/102/ICTTE\\_Belgrade\\_2018.html](http://ijtte.com/article/102/ICTTE_Belgrade_2018.html), [http://ijtte.com/uploads/news\\_files/Proceedings%202018%20final.pdf](http://ijtte.com/uploads/news_files/Proceedings%202018%20final.pdf), (Conference indexed WOS)
- 39.** 2018. Amoraritei, M., Domnișoru, L., Popescu G., *Ship propulsive performance assessment and GHG emissions requirements*, ICTTE International Conference on Traffic and Transport Engineering, Inland Waterways Traffic and Transport Research, 27-28 September, Belgrade, Serbia, ISBN 978-86-916153-4-5, pp.378-386, (WOS:000542956800050, IDS Number: BP2KH) [http://ijtte.com/article/102/ICTTE\\_Belgrade\\_2018.html](http://ijtte.com/article/102/ICTTE_Belgrade_2018.html), [http://ijtte.com/uploads/news\\_files/Proceedings%202018%20final.pdf](http://ijtte.com/uploads/news_files/Proceedings%202018%20final.pdf) (Conference indexed WOS)
- 40.** 2018. Burlacu, E., Domnișoru, L., Obreja, D., *Seakeeping Prediction of a Survey Vessel Operating in the Caspian Sea*, OMAE The 37th International Conference on Offshore Mechanics and Arctic Engineering, 17-22 June, 2018, Madrid, Spain, ASME The American Society of Mechanical Engineers, Paper No. OMAE2018-77126, <https://www.asme.org/events/omae2018> (<https://asme.pinetec.com/omae2018/data/pdfs/trk-12/index.html>) Scopus 140007 ISBN: 978-079185132-6, DOI: 10.1115/OMAE2018-77126 (WOS:000449889900012, IDS: BL3MR), (Conference indexed WOS & SCOPUS)
- 41.** 2018. Burlacu, E., Domnișoru, L., *Dynamic Response Investigation of a Small Size Floating Dock Unit in Irregular Oblique Waves*, ModTech 6th International Conference Modern Technologies in Industrial Engineering, Maritime Engineering and Navigation, 13-16 June Constanta, Romania, IOP Conference Series: Materials Science and Engineering, Vol. 400, Issue 8, ISSN 1757-899X, Paper ID: G-36, <https://doi.org/10.1088/1757-899X/400/8/082005>, WOS:000461147400185, IDS Number: BM2KQ), SCOPUS 141170, (Conference indexed WOS & SCOPUS)
- 42.** 2018. Burlacu, E., Domnișoru, L., *Strength Investigation of a Small Size Floating Dock Unit by 3D-FEM Models in Head Design Waves*, ModTech 6th International Conference Modern Technologies in Industrial Engineering, Maritime Engineering and Navigation, 13-16 June Constanta, Romania, IOP Conference Series: Materials Science and Engineering, Vol. 400, Issue 8, ISSN 1757-899X, Paper ID: G-24, <https://doi.org/10.1088/1757-899X/400/8/082006> (WOS:000461147400186, IDS Number: BM2KQ), SCOPUS 141170, (Conference indexed WOS & SCOPUS)
- 43.** 2018. Pacuraru, S., Domnișoru, L., Pacuraru, F., *Numerical Study on Motions of a Containership on Head Waves*, ModTech 6th International Conference Modern Technologies in Industrial Engineering, Maritime Engineering and Navigation, 13-16 June Constanta, Romania, IOP Conference Series: Materials Science and Engineering, ISSN 1757-899X, Paper ID: G-15, doi:10.1088/1757-899X/400/8/082016, Scopus 141170 (WOS:000461147400196, IDS Number: BM2KQ) (Conference indexed WOS & SCOPUS)
- 44.** 2018. Burlacu, E., Domnișoru, L., *The Transit State Evaluation of a Large Floating Dock by Seakeeping Criteria*, Progress in Maritime Engineering and Technology (Editors Carlos Guedes Soares & T.A.Santos), CRC Press / A.A. Balkema Publishers a member of Taylor & Francis



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**46.** 2018. Popa, V.; Popa, C. L. Study concerning the influence of refrigerant injection on the efficiency of a heat pump. 8th International Conference on Advanced Concepts in Mechanical Engineering (ACME) Location: Iasi, ROMANIA Date: JUN 07-08, 2018. Volume: 444 Article Number: 082011

**47.** 2018. Popa, V.; Popa, C. L. Increasing the air source heat pump efficiency at low ambient temperature by using a two-phase ejector. 8th International Conference on Advanced Concepts in Mechanical Engineering (ACME) Location: Iasi, ROMANIA Date: JUN 07-08, 2018. Volume: 444 Article Number: 0820103. Lacramioara, Popa Camelia; Viorel, Popa. Profiling disk to

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**49.** 2018. Cristian Stingheru, Eugen Rusu, Carmen Gasparotti, *The Cause-Effect Method Used in Highlighting the Main Causes and Implications of Maritime Accidents in the Black Sea*, ICTTE Belgrade, Serbia, INTERNATIONAL JOURNAL FOR TRAFFIC AND TRANSPORT ENGINEERING, pp. 283-289, DOI 10.7708/2217-544X

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**50.** 2018. Popescu, G., Nechita, M., A compared study of the shape plate behaviour under the impact load, Proceedings of The 6th International Conference Modtech 2018, 13-16 Iunie 2018, Constanța, Romania, ModTech Publishing House, Page 163, ISSN 2286-4369, DOI:10.1088/1757-899x/400/4/042048, <http://iopscience.iop.org/volume/1757-899x/400>, WOS:000461147400120

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