

LISTA DE LUCRĂRI

a) Teza de doctorat

Teza de doctorat: Reducerea poluării produse de instalațiile de balast ale navelor maritime, Universitatea Dunarea de Jos, Galați, 2004- 2011, Inginerie mecanică

b) Abilitare

Teza de abilitare: „Studies on marine engine operating regimes and operational optimisations for maritime transport vehicles”, 2026, IOSUD Universitatea din Craiova, Școala Doctorală ”Academician Radu Voinea”, Domeniul Inginerie Mecanică.

Abilitare și conducător de doctorat la Academia Navală Nikola Vaptsarov (NVNA), Varna, Bulgaria, în 2022, în domeniul “Transport, shipping and aviation” care include: Technology and organisation of shipbuilding, Ship propulsion plant, Radio detection and ranging and radio navigation, Communications network and systems, Ship handling and navigation, Operation on water transport, sea and river ports, Power supply and electrical systems, Applied Mechanics.

c) Cărți și capitole în cărți

Cărți publicate

- C1. **ACOMI Nicoleta**, *ECDIS manualul cursantului*, Editura Nautica; Constanța, ISBN: 978-606-681-182-8, 179 pag., 2023
- C2. **ACOMI Nicoleta**, *Pozitionare dinamica*, Editura Nautica; Constanța, ISBN: 978-606-681-183-5, 110 pag., 2023
- C3. **ACOMI Nicoleta** et al., *Blue Economy. A Manual for VET Teachers, Trainers, Career Counsellors, Learners and Professionals*, DOI: 10.5281/zenodo.7064932, 117 pag, 2022
- C4. **ACOMI Nicoleta** et al., *Entrepreneurial mindset for future youth work. Toolkit on social entrepreneurship*, DOI: 10.5281/zenodo.7571350, 113 pag, 2021
- C5. **ACOMI Nicoleta** et al, *MOOC Canvas and Instructional Design Manual for Digital Citizenship*, DOI: 10.5281/zenodo.7092424, 192 pag, 2020
- C6. **ACOMI Nicoleta**, *ECDIS – TRANSAS Type-Specific*, Editura Nautica, Constanta, ISBN: 978-606-681-107-1, 72 pag, 2018
- C7. **ACOMI Nicoleta**, *ARSENIE Paulică, Ghid de utilizare a Bibliotecii Electronice*, Editura Rik, Constanța, 2015, ISSN: 978-606-928-094-2, 20 pag, 2015
- C8. **ACOMI Nicoleta**, *TROMIADIS Ramona, Trecerea de la hărțile de hârtie la hărțile electronice*, Editura Rik, Constanța, 2015, ISBN: 978-606-928-096-6, 68 pag, 2015
- C9. **STANCA Costel, ACOMI Nicoleta**, *Terrestrial Navigation and Dead Reckoning*, Editura Nautica, Constanta, ISBN: 9786066810241, 195 pag, 2014
- C10. **ACOMI Nicoleta**, **ACOMI Ovidiu-Cristian**, *Introducere în marinărie/ The basics of seamanship*, Editura Ex. Ponto, Constanta, ISBN: 978-606-598-172-0, 290 pag, 2012
- C11. **ACOMI Nicoleta**, *Reducerea poluării produse de navele maritime*, Editura Nautica; Constanța, ISBN: 978-973-787-277-7, 229 pag, 2008

Îndrumare publicate

- I1. **ACOMI Nicoleta**, *Manual pentru Managementul Proiectelor*, online, 40 pagini, 2020
- I2. **ACOMI Nicoleta**, *Manual pentru cursul de ECDIS*, 179 pagini, 2021
- I3. **ACOMI Nicoleta**, *Îndrumar de proiect pentru navigația costieră*, Editura Ex Ponto, Constanța, ISBN: 978-973-644-656-6, 100 slide-uri, 2007
- I4. **ACOMI Nicoleta**, *Probleme de navigație estimată*, Editura Ex Ponto, Constanța, ISBN (10): 973-644-613-1, ISBN (13): 978-973-644-613-9, 106 pag, 2006
- I5. **ACOMI Nicoleta**, *Îndrumar de navigație*, Editura Ex Ponto, Constanța, ISBN (10): 973-644-607-7, ISBN (13): 978-973-644-607-8, 62 pag, 2006

d) Articole/ studii

Publicate în reviste de specialitate de circulație internațională recunoscute cotate ISI sau ISI proceedings

1. **Acomi, N.**; Surugiu, G.; Stanca, C. & Popa, E.M. (2026) „A Bayesian Approach to Evaluating Environmental Risks from Maritime Accidents”, JOURNAL OF ETA MARITIME SCIENCE, Volume 14, Issue 3, Page 308-326, DOI:10.4274/jems.2026.76402, <https://doi.org/10.4274/jems.2026.76402>
2. **Acomi, N.** & Preda, A. (2026) „Operational Optimization of Parallel Diesel Generator Systems for Enhanced Fuel Efficiency and Emissions Reduction in DP Vessels”, TRANNAV-INTERNATIONAL JOURNAL ON MARINE NAVIGATION AND SAFETY OF SEA TRANSPORTATION, Volume 20, Issue 2, Page 469-473, DOI:10.12716/1001.20.02.20, WOS:001799597500020 <https://doi.org/10.12716/1001.20.02.20> <https://1c10qs89t-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001799597500020>
3. **Acomi, N.** & Chervinskyi, M. (2026) „Quantitative Regime Comparison and Engine Performance Assessment: Regime-Dependent Baseline and Comparison for In-Service Propulsion Evaluation”, JOURNAL OF MARINE SCIENCE AND ENGINEERING, Volume 14, Issue 9, Article 860, DOI:10.3390/jmse14090860, <https://doi.org/10.3390/jmse14090860>, WOS:001763636100001 <https://1c10qs89t-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001763636100001>
4. **Acomi, N.**, Voicu, I and Stan, L.C. (2026) „A THEMATIC REVIEW OF ONSHORE POWER SUPPLY CHALLENGES”, Acta Technica Napocensis — Series: Applied Mathematics, Mechanics and Engineering, Vol. 69, No. 1-IS, <https://atna-mam.utcluj.ro/index.php/Acta/article/view/3219>, WOS:001827441500011 <https://1c10qs9cn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001827441500011>
5. Eker İçcioğlu, T.; Albayrak, M.T.; Gençer, H.; **Acomi, N.**; Surugiu, G.; Jardas, M. & Valcic, S. (2026) „A COM-B Perspective on Integrating Sustainability into Maritime Education”, POMORSTVO - SCIENTIFIC JOURNAL OF MARITIME RESEARCH, Volume 40, Issue 2, Page 294-302, DOI:10.31217/p.40.2.10, <https://doi.org/10.31217/p.40.2.10>, WOS:001757064700010 <https://1c10qs89t-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001757064700010>
6. **Acomi, N.**; Surugiu, G.; Raicu, G.; Stanca, C. (2025) „A Thematic Review of Port Services and Emission Reduction Strategies Using ATLAS.ti”, TRANNAV-INTERNATIONAL JOURNAL ON MARINE NAVIGATION AND SAFETY OF SEA TRANSPORTATION, Volume 19, Issue 2, Page 447-457, DOI:10.12716/1001.19.02.14, WOS:001569429300013, <https://1c10qabbz-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001569429300013>
7. **Acomi, N.**; Stanca, C.; Raicu, G.; Surugiu, G.; Popa, E.M. (2025), „Advantages and Disadvantages of Using Electric Tugboats: A Systematic Review”, JOURNAL OF ETA MARITIME SCIENCE, Volume 13, Issue 1, pp 59-70, DOI:10.4274/jems.2025.90912, WOS:001466044700001, <https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001466044700001>
8. Jafarova, VN, Rzaeva, SS, Eminova, VI, Hashimova, NN, Roy, DD, Scurtu, IC, Stanca, C, **Acomi, N.**, Raicu, G. (2025) „Theoretical investigation of electronic and magnetic characteristics of ZnSe substituted and co-substituted with TM”, INTERNATIONAL JOURNAL OF MODERN PHYSICS B, Volume 39, Issue 22, DOI:10.1142/S0217979225502017, WOS:001512805400001, <https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001512805400001>
9. **Acomi, N.**; Lanzetta, M.; Acomi, O.; Abbruzzese, G. (2025) Setting Up an Educational Ecosystem for Enabling Sustainability Competences Development. REVISTA ROMANEASCA PENTRU EDUCATIE MULTIDIMENSIONALA, Vol 17., Issue 1, WOS:001462551200008 <https://1c10qd7pq-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001462551200008>
10. Halus, A.; Severin, I.; **Acomi, N.** (2024) Simulation of ballast transfer for pontoons, Acta Technica Napocensis Series-Applied Mathematics Mechanics And Engineering, Volume 67, Issue 2, Page 769-778, WOS:001362561700034, <https://1c10q8z96-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001362561700034>
11. Jafarova, VN., Rzaeva, SS., Scurtu, IC., Stanca, C., **Acomi, N.** Raicu, G. (2024) ‘Prediction of ferromagnetism in GaN:Ag and SiC:Ag nanotubes’, Advances In Natural Sciences-Nanoscience and Nanotechnology, 15(3), DOI:10.1088/2043-6262/ad71a7 WOS:001300469300001

- <https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001300469300001>
12. Jafarova, VN., Scurtu, IC., Stanca, C., **Acomi, N.**, Raicu, G.. (2024) ‘Defect influence on the electronic and magnetic properties of silver-doped (6,0) single-walled ZnO nanotubes: a first-principles study’, Indian Journal Of Physics, 98(7), p.2335-2346 doi10.1007/s12648-023-03044-9 WOS:001206458100002
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001206458100002>
 13. **Acomi, N.**, Ochoa Siguencia, L., & Acomi, O. (2021). An appropriate set of skills for limiting the spread of fake news. *Revista Romaneasca Pentru Educatie Multidimensionala*, 13(1), 71–80.
<https://doi.org/10.18662/rrem/13.1/360>, WOS:000721610100004
<https://1c10qs9cn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000721610100004>
 14. Paraschiv, L.S.; **Acomi, N.**; Serban, A. et al. (2020) ‘A web application for analysis of heat transfer through building walls and calculation of optimal insulation thickness’, ENERGY REPORTS 6(6), pp: 343-353, WOS:000599599300006
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000599599300006>
 15. **Acomi, N.** (2020) ‘Impact of Chart Data Accuracy on the Safety of Navigation’, Transnav -International Journal On Marine Navigation And Safety Of Sea Transportation, 14(2), p. 411-415. doi: 10.12716/1001.14.02.19. WOS:000581153700018
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000581153700018>
 16. **Acomi, N.** (2018). Developing a system for recognition of work-related skills and learning outcomes. *Revista Romaneasca pentru Educatie Multidimensionala*, 10(2), 102. <https://doi.org/10.18662/rrem/49>, WOS:000437802000009
<https://1c10qs9cn-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000437802000009>
 17. Andrei, C. **Acomi, N.** et al. (2018) ‘Damage stability analysis in particular flooding situations of a multipurpose cargo ship’, IOP Conference Series: Materials Science and Engineering, 400, p. 082001. doi: 10.1088/1757-899x/400/8/082001. WOS:000461147400181
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000461147400181>
 18. Andrei, C.; **Acomi, N.**; Ancuta, C. (2018) ‘Roll motions analysis to improve ship responses in adverse weather conditions’, in ATOM-N Conference 2018: Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies, Constanta. Proceedings of SPIE Volume: 10977 Article Number: UNSP 109771Q DOI: 10.1117/12.2322704 Published: 2018 WOS:000458717900061
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000458717900061>
 19. Ancuta, C.; Stanca, C.; Andrei, C.; **Acomi, N.** (2017) ‘Behavior analysis of container ship in maritime accident in order to redefine the operating criteria’, IOP Conference Series: Materials Science and Engineering, 227(1). WOS:000409221600004
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000409221600004>
 20. **Acomi, N.** and Acomi, O. C. (2016) ‘The effect of early berthing prospects on the energy efficiency operational index in oil tanker vessels’, IOP Conference Series: Materials Science and Engineering, 145(8), p. 082001. doi: 10.1088/1757-899x/145/8/082001. WOS:000396437600131
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000396437600131>
 21. Jenaru, A. and **Acomi, N.** (2016) ‘Numerical methods for assessment of the ship pollutant emissions’, IOP Conference Series: Materials Science and Engineering, 145(8), p. 082015. doi: 10.1088/1757-899x/145/8/082015. WOS:000396437600145
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000396437600145>
 22. Stanca, C.; Ancuta, C.; **Acomi, N.**; Andrei, C. (2016) ‘Assessment of current criteria for dynamic stability of container vessels’, IOP Conference Series: Materials Science and Engineering, 145(8), p. 082022. doi: 10.1088/1757-899x/145/8/082022. WOS:000396437600152
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000396437600152>
 23. **Acomi, N.** et al. (2016) ‘Avoiding the parametric roll’, in Vladescu, M., Tamas, R., and Cristea, I. (eds) Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies VIII. SPIE. doi: 10.1117/12.2243360. WOS:000391359600094
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000391359600094>

- [record/WOS:000391359600094](https://www.webofscience.com.z.e-nformation.ro/wos/woscc/full-record/WOS:000391359600094)
24. Acomi, O. and **Acomi, N.** (2016) 'Critique to Pro-Cyclical Admission in Maritime Higher', in. Cognitive-crcs. doi: 10.15405/epsbs.2016.09.3. WOS:000390912200003
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000390912200003>
 25. **Acomi, N.** and Ovidiu, A. (2016) 'Diversification of Seafarers' Employability Paths', in. Cognitive-crcs. doi: 10.15405/epsbs.2016.09.4. WOS:000390912200004
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000390912200004>
 26. **Acomi, N.** and Acomi, O. (2016) 'A review of the Nigerian economy from the oil windfall perspective', Proceedings of the 27th International Business Information Management Association Conference - Innovation Management and Education Excellence Vision 2020: From Regional Development Sustainability to Global Economic Growth, IBIMA 2016, pp. 3460–3468. WOS:000381172301168
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000381172301168>
 27. Acomi, A.M. and **Acomi, N.** (2015). Recommendations for development of social work. *LUMEN 2015 - Rethinking Social Action: Core Values (RSACV 2015)*. WOS:000378560300003
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000378560300003>
 28. **Acomi, N.**, Acomi, O. C. and Stanca, C. (2015) 'The use of ECDIS equipment to achieve an optimum value for energy efficiency operation index', IOP Conference Series: Materials Science and Engineering, 95(1). WOS:000365128900071
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000365128900071>
 29. Acomi, OC; Bostina, A; Bostina, AL; **Acomi, N.** (2015) 'Optimizing ships' behaviour when sailing in following seas', IOP Conference Series: Materials Science and Engineering, 95(1). doi: 10.1088/1757-899X/95/1/012069. WOS:000365128900069
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000365128900071>
 30. Stanca, C. **Acomi, N.** et al. (2015) 'Comparative analysis of different loading conditions on large container ships from the perspective of the stability requirement', IOP Conference Series: Materials Science and Engineering, 95(1). doi: 10.1088/1757-899X/95/1/012072. WOS:000365128900072
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000365128900072>
 31. Acomi, O., **Acomi, N.** and Stanca, C. (2015) 'The importance of correct passage planning and weather prediction in lowering the ship's carbon emissions', in Towards Green Marine Technology and Transport. Informa UK Limited, pp. 755–759. doi: 10.1201/b18855-99. WOS:000505749600087
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000505749600087>
 32. **Acomi, N.**, (2014) 'The Optimum Method of Students' Evaluation in Higher Education', Lumen 2014 - From Theory To Inquiry in Social Sciences, 149, pp. 4–7. doi: 10.1016/j.sbspro.2014.08.162. WOS:000346372600002
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000346372600002>
 33. **Acomi, N.** et al. (2014) 'Improving the Voyage Energy Efficiency by Using EEOI', 9th International Conference on Traffic and Transportation Studies (Ictts 2014), 138, pp. 531–536. doi: 10.1016/j.sbspro.2014.07.234. WOS:000345425500058
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000345425500058>
 34. **Acomi, N.** et al. (2014a) 'Choosing the optimum method of treating the ballast water onboard ships', Advanced Materials Research, 837, pp. 727–732. doi: 10.4028/www.scientific.net/AMR.837.727. WOS:000337000500125
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000337000500125>
 35. **Acomi, N.** and Acomi, O. (2013) 'Computer based program for fitting cargo area foam fixed fire-fighting equipment on chemical tankers', in Developments in Maritime Transportation and Exploitation of Sea Resources. Informa UK Limited, pp. 705–709. doi: 10.1201/b15813-87. WOS:000328325100010
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000328325100010>
 36. **Acomi, N.** and Cristian Acomi, O. (2014) 'The influence of different types of marine fuel over the energy efficiency operational index', Energy Procedia, 59, pp. 243–248. doi: 10.1016/j.egypro.2014.10.373. WOS:000375918200033
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000375918200033>
 37. **Acomi, N.** et al. (2012) 'A new method for treating the ballast water by heating', 23rd DAAAM International

Symposium on Intelligent Manufacturing and Automation 2012, 1, pp. 505–508. WOS:000392423800117
<https://1c10qd7pq-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000392423800117>

38. Bostina, A., Bostina, A.L. **Acomi, N.** And Doinea, G.R. (2012) ‘Inspection procedure of tanks and void spaces’, 23rd DAAAM International Symposium on Intelligent Manufacturing and Automation 2012, 2, pp. 861–864. WOS:000392423800199
<https://1c10qd7pq-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000392423800199>
39. **Acomi, N.** and Ghita, S. (2012) ‘Using heat treatment of ballast water for killing marine microorganisms’, 23rd DAAAM International Symposium on Intelligent Manufacturing and Automation 2012, 2, pp. 1115–1118. WOS:000392423800259
<https://1c10qd7pq-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000392423800259>
40. Arsenie, P., Bârsan, E., Surugiu, F., **Acomi, N.** Hanzu-Pazara, R. (2007) ‘DEALING WITH BALLAST WATER IN NAVAL TRANSPORT: METHODS AND COSTS ANALYSIS’, Transportation Systems: Engineering & Management, p. 471.
<https://1c10q90qt-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000261141000049>

Publicate în baze de date și reviste de specialitate de circulație internațională

1. **Acomi, N.**; Robe-Voinea, E.G. & Popa, E.M. (2026) Human Digital Twin for Seafarers: A Business Model Canvas Approach, IFMBE Proceedings, Volume 143 (Advances in Digital Health and Medical Bioengineering II, EHB 2025), pp. 551-563, DOI:10.1007/978-3-032-24045-3_59. https://link.springer.com/chapter/10.1007/978-3-032-24045-3_59
2. Preda, A. & **Acomi, N.** (2026) High-Fidelity Simulation and Power Management Optimization of Parallel Diesel Generators for Electric Tugboats, IOP Conf. Ser.: Mater. Sci. Eng. 1351 012012, MARILOG-2026, DOI:10.1088/1757-899X/1351/1/012012. <https://doi.org/10.1088/1757-899X/1351/1/012012>
3. **Acomi, N.**, Chervinskyi, M., & Scurtu, I. C. (2026). Engine operating regimes: A propulsion performance study for low-speed two-stroke marine engines. Technium: Romanian Journal of Applied Sciences and Technology, 31, 158–172. <https://doi.org/10.47577/technium.v31i.13519>
4. Voicu, I.; **Acomi, N.**; Panaitescu, F.V. & Panaitescu, M. (2025) A Simulation-Based Assessment of Cost Effectiveness of Onshore Power Supply Under the EU ETS Framework, International Multidisciplinary Scientific GeoConference SGEM, Volume 25, Issue 4.2, DOI:10.5593/sgem2025v4.2/s16.02. https://epslibrary.at/sgem_jresearch_publication_view.php?page=view&editid1=10623
5. Hnatiuc M. & **Acomi N.** (2025) Identifying deck crew behaviour using IoT systems and intelligent methods. Preliminary study, IOP Conf. Ser.: Mater. Sci. Eng. 1336 012001, DOI 10.1088/1757-899X/1336/1/012001, <https://iopscience.iop.org/article/10.1088/1757-899X/1336/1/012001>
6. Surugiu, G., **Acomi, N.**, Raicu, G., Stanca C. & Duse A. (2025) Readiness of Maritime Autonomous Surface Ships: benefits and policy challenges, IOP Conf. Ser.: Mater. Sci. Eng. 1336 012005, DOI 10.1088/1757-899X/1336/1/012005 <https://iopscience.iop.org/article/10.1088/1757-899X/1336/1/012005>
7. Halus, A.; Severin, I.; **Acomi, N.** (2024), Simulation to adjust the draft of RO-RO pontoon, Materials Research Proceedings, 46, pp. 346–353
<https://www.scopus.com/pages/publications/85213373987>
8. Stinga, V.G., Stanca, C., **Acomi, N.**, Raicu, G., Scurtu, I.C., (2023) Analysis of Transport Networks using Modern Methods to Achieve Sustainable Development, Journal of Environmental Protection and Ecology, 24(3), pp. 866–873
<https://www.scopus.com/pages/publications/85163222017>
9. **Acomi, N.** and Acomi O. A. (2017) ‘Assessment of Marine Professionals Needs’, in Rethinking Social Action. Core Values in Practice. LUMEN Publishing House. doi: 10.18662/lumproc.rsacvp2017.1.
<https://proceedings.lumenpublishing.com/ojs/index.php/lumenproceedings/article/view/406>
10. Andrei, C., **Acomi, N.** & Ancuta, C. (2017) ‘Operational ship stability failure modes and the impact on safety of navigation’, ModTech International Conference Modern Technologies in Industrial Engineering June 14-17, 2017, Sibiu, Romania.
11. Bostina, A., Bostina, A., **Acomi, N.** and Acomi, O. (2014) ‘Sea trails of large container ships’, Advanced Materials Research, 1036, pp. 952–956. ModTech International Conference, Modern Technologies in Industrial Engineering, July 13-16, 2014, Gliwice, Poland, ISSN 2286-4369
<https://www.scopus.com/pages/publications/84922351248>
12. **Acomi, N.**, Acomi, O., Bostina, A. and Bostina, A. (2014) ‘The cost to quality ratio in terms of voyage energy efficiency’, Advanced Materials Research, 1036, pp. 1060–1065. ModTech International Conference, Modern

Technologies in Industrial Engineering, July 13-16, 2014, Gliwice, Poland, ISSN 2286-4369

<https://www.scopus.com/pages/publications/84922366679>

13. **Acomi, N.** (2013) 'The Energy Efficiency Operational Index – An instrument for the Marine Pollution Control', Recent Advances in Energy, Environment, Economics and Technological Innovation, ISBN: 978-960-474-343-8, ISSN: 2227-4588, Published by WSEAS Press, Proceedings of the 4th International Conference on Development, Energy, Environment, Economics DEEE'13, Paris, France.
14. **Acomi, N. & Acomi, O. C.** (2013) 'The influence of the voyage parameters over the Ship's Energy Efficiency Operational Index', Proceedings of the 18th International Conference of Hong Kong Society for Transportation Studies, HKSTS 2013 - Travel Behaviour and Society, pp. 641–646.
<https://www.scopus.com/pages/publications/84893304441>
15. Ghita, S., Buhoiu, A. and **Acomi, N.** (2013) 'Management of wind energy in sustainable development process in the Central Dobrogea', Recent Advances in Energy, Environment, Economics and Technological Innovation, ISBN: 978-960-474-343-8, ISSN: 2227-4588, Published by WSEAS Press, Proceedings of the 4th International Conference on Development, Energy, Environment, Economics DEEE'13, Paris, France.
16. **Acomi, N.** (2013) 'A New Method for Analyzing the Costs in Terms of Quality Parameters in Maritime Field', Advances in environment, ecosystems and sustainable tourism, Proceedings of the 11th International Conference on Environment, Ecosystems and Development (EED '13), Published by WSEAS Press ISSN: 2227-4359 ISBN: 978-1-61804-195-1.
17. **Acomi, N.**, Radoiu, B., Ghita, S. & Bostina, A. (2013) 'Treating ballast water by heating method in different environmental conditions', The 3rd World Conference on Innovation and Computer Sciences 2013, Antalya, Turkey, AWER Procedia Information Tehnology & Computer Science. [Online], Vol. 4, pp 644-649, ISSN Online: 2147-5369 ISSN Print: 2147-5105.
18. Ghiță, S. & **Acomi, N.** (2013) 'Optimizing the heat exchange in ballast water treatment using software monitoring methods'. AWER Procedia Information Tehnology & Computer Science. pp 331-335, ISSN Online: 2147-5369, ISSN Print: 2147-5105
19. Varsami, A., Popescu, C., Dumitrache, C., Hanzu-Pazara, R., Chircor, M. & **Acomi, N.** (2011) 'The influence of grounding events on maritime industry', Annals of DAAAM and Proceedings of the International DAAAM Symposium, pp. 591–592.
20. Popescu, C., Varsami, A., Hanzu-Pazara, R. & **Acomi, N.** (2011) 'Port state control as an ideal system', Annals of DAAAM and Proceedings of the International DAAAM Symposium, pp. 589–590.
21. **Acomi, N.** (2009) 'Profitability Of Using Ballast Water Treatment In Naval Transport', International Scientific Conference XXIII. microCAD, University of Miskolc, Hungary ISBN 978-963-661-866-7 ISBN 978-963-661-881-0.

Publicate în reviste din țară recunoscute C.N.C.S.I.S.

1. Miron, V., **Acomi, N.** & Preda, A. (2026) Repurposing the Vessel Experience Factor as a Statistical Process Control Tool for Tanker Cargo Measurement, *Journal of Marine Technology and Environment*, Vol 2/2026, DOI: 10.53464/JMTE.02.2026.05, <https://jmte.eu/jmte-volume-ii-2026/>
2. **Acomi N.** & Barban O. (2025) The impact of digital technologies on the efficiency and sustainability of maritime transport, Scientific Bulletin of Naval Academy, pp. 141-150, https://www.anmb.ro/buletinstiintific/eng/2025/Bul_St_2025.html
3. Gheorghe, C.A. & **Acomi, N.**, (2025) Building an LNG cargo and bunkering terminal in the Port of Constanta, Scientific Bulletin of Naval Academy, pp. 151-162, https://www.anmb.ro/buletinstiintific/eng/2025/Bul_St_2025.html
4. Gheorghe, C.A. & **Acomi, N.**, (2025) Energy Efficiency Strategies For Offshore Vessels With Dynamic Positioning Systems, *Journal of Marine Technology and Environment*, ISSN (Print): 1844-6116, ISSN (Online): 2501-8795, Vol 2, pp 33-38. DOI:10.53464/JMTE.02.2025.04 <https://jmte.eu/jmte-volume-ii-2025/>
5. **Acomi, N.**, Acomi, O., & Iancu, R. (2023). "The role of career counselors in vocational education". *Journal of Marine Technology and Environment*, ISSN (Print): 1844-6116, ISSN (Online): 2501-8795, Vol 1, pp 10-15. DOI: 10.53464/JMTE.01.2023 <https://jmte.eu/issue/jmte-volume-i-2023/>
6. Stanca, C., Olteanu, A., **Acomi, N.**, Ghita, S., Duse, A. & Stanga, V. (2018) Identifying The Needs Of The Stakeholders Of The Blue Economy Regarding The Inclusion Of Young People In The Labor Market (2018), Constanta Maritime University Annals, XVIII, Vol.26, Nautica publishing house.
7. **Acomi, N.** (2016) 'A review of the use of ECDIS for the safety of navigation', *Journal of Marine technology and Environment* Year 2016, Vol.2, ISSN 1844-6116. <https://jmte.eu/issue/>
8. Acomi, O. & **Acomi, N.** (2016) 'Impact Of Energy Transition On Economy', Constanta Maritime University Annals Year XVI, Vol.24, Nautica publishing house.
9. **Acomi, N.** (2013) 'Cathodic protection by sacrificial anodes or impressed current, comparative analysis', Constanta Maritime University Annals, Nautica, Year XIV, vol.14, issue 19 ISSN: 1582-3601.
10. Acomi, N. (2013) 'Steps towards the energy efficient ship', Constanta Maritime University Annals, Nautica, Year

XIV, vol.14, issue 19 ISSN: 1582-3601.

11. **Acomi, N.** & Preda, A. (2012) 'Minimizing the heat flow lost by a ballast tank using insulation', Annals of Constanta Maritime University, Vol 18, ISSN 1582-3601, Constanța
12. **Acomi, N.** (2011) 'Analiza comparata cost/ calitate pentru tratarea apei de balast', Colocviul național cu participare internațională ACVADEPOL, Ediția a XVIII-a, Ed. Arionda, Constanța, 2011.
13. **Acomi, N.** (2009) 'Profitability Of Using Advanced Oxidation Technologies For Treating Ships Ballast Water', The 33rd Annual Congress of the American Romanian Academy of Arts and Science ARA, Alma Mater University of Sibiu, Romania ISBN 978-2-553-01433-8.
14. **Acomi, N.** & Acomi, O. (2009) 'Profitability Of Using Cyclonic Separation And Ultraviolet Irradiation For Treating Ships Ballast Water', Sibiu Alma Mater University Conference with International Participation, Third Edition, ISSN 1844-5381.
15. **Acomi, N.** (2008) 'The Costs for Treating Ballast Water By Advanced Oxidation Technology', Analele Universității Maritime Constanța, Vol 11 ISSN 1582-3601.
16. **Acomi, N.** (2008) 'Cost analyses for treating and exchanging ballast water', Ovidius University Annals of Mechanical, Industrial and Maritime Engineering Volume X, Tom I, 2008, ISSN-1223-7221 Ovidius University Press.

Publicate în alte reviste de specialitate de circulație națională

1. **Acomi, N.** (2021) Development of effective online courses using instructional design models, International Conference "Innovative Education For Emerging Maritime Issues", Online conference 25 February, 2021
2. **Acomi, N.** (2017) An appropriate set of soft skills for successful maritime careers, Career-EU International Conference 2017, Cyprus 21-23 June, 2017
3. **Acomi, N.** (2015) 'The ships' ballast water impact on the Black Sea marine environment', European Geosciences Union General Assembly, 15.04.2015 EGU General Assembly 2015 Geophysical Research Abstracts Vol. 17, EGU2015-8610, 2015 EGU General Assembly 2015.
4. **Acomi, N.** (2009) 'The Impact Of Ballasting And De-Ballasting Operations In Maritime Environment', Colocviul național cu participare internațională ACVADEPOL, Ediția a XVI-a, Editura Arionda, Galați.
5. **Acomi, N.** (2008) 'Costurile de tratare a apei de balast prin metoda deoxigenării', Colocviul național cu participare internațională ACVADEPOL, Ediția a XV-a, Editura Arionda, Galați.
6. **Acomi, N.** (2008) 'The quality parameters for ballast water treatment methods', Conferința științifică anuală a cadrelor didactice și cercetătorilor științifici, Ediția a II-a, Universitatea "Alma Mater din Sibiu", Sibiu.

Data: 11.09.2026

Conf.univ.dr.habil.ing. Nicoleta Acomi