INFORMAŢII PERSONALE

Florin ONEA

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Naţionalitate Română

EXPERIENŢĂ PROFESIONALĂ

Februarie 2020 - prezent — Conferenţiar

Departamentul de Inginerie Mecanică, Facultatea de Inginerie, Universitatea “Dunărea de Jos” din Galaţi, România https://im.ugal.ro/index.php/ro/personal

- Predare cursuri la programele de licenţă: Mecanică, Statica, stabilitatea și dinamica structurilor, Dinamica structurilor mecanice, Colapsul structurilor mecanice

Octombrie 2017 – Februarie 2020 — Şef Lucrări

Departamentul de Inginerie Mecanică, Facultatea de Inginerie, Universitatea “Dunărea de Jos” din Galaţi, România

- Activităţi de predare și evaluare a studenţilor din cadrul programelor de licenţă şi master

Februarie 2015 – Octombrie 2017 — Asistent

Departamentul de Inginerie Mecanică, Facultatea de Inginerie, Universitatea “Dunărea de Jos” din Galaţi, România

- Activităţi de predare și evaluare a studenţilor din cadrul programelor de licenţă şi master

EDUCAŢIE ȘI FORMARE

Decembrie 2023 — Teză de abilitare în domeniul Inginerie Mecanică

- Universitatea “Dunărea de Jos” din Galaţi, România
- Titlu teză: Studies concerning renewable energy extraction with applications to the Romanian coastal environments

Mai 2014 – Decembrie 2015 — Cercetător postdoctoral

- Coordonator: Universitatea Politehnica din București; Partener: Universitatea "Dunărea de Jos" din Galaţi.
- Proiect individual de cercetare: Evaluarea surselor de energie regenerabile din apropierea zonelor costiere Românești.

Octombrie 2009 – Ianuarie 2013 — Doctor Inginer în domeniul Inginerie Mecanică

- Universitatea “Dunărea de Jos” din Galaţi, România
- Teză: Studii privind utilizarea surselor de energie regenerabile din mediul marin cu aplicaţii în bazinul Mării Negre.

Iulie 2011 – Februarie 2012 — Stagiu de mobilitate

- Departamentul de Mecatronică, Universitatea Duisburg-Essen, Germania

Octombrie 2004 – Iulie 2009 — Inginer Diplomat (5 ani)

Facultatea de Mecanică, Universitatea “Dunărea de Jos” din Galaţi, România

- Licenţă: Analiza dinamică a unui corp imers tractat

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APTITUDINI PERSONALE

Limba maternă: Română

Engleză

ÎNŢELEGERE		VORBIRE		SCRIERE
Ascultare	Citire	Participare la conversaţie	Discurs oral	
C2	C2	C1	C1	B2

Nivel: A1/2: bază - B1/2: independent - C1/2 Avansat
Nivelul Cadrului European Comun de Referinţă Pentru Limbi Străine

Competenţe de utilizare a calculatorului: Microsoft Office; MATLAB ; SWAN.

INFORMAŢII SUPLIMENTARE

Chairman

- Secţiunea 3: Building Energy Conservation, Energy Efficiency and Thermal Engineering, ICACER 2023, Aprilie 27-29, Barcelona Spania https://dream.ugal.ro/dream/materiale/diplome/70-ICACER%202023-Session%20Chair%20certificate-Assoc.%20Prof.%20Onea%20Florin.pdf
- Secţiunea 1: Renewable Energy Potential and Power Generation. ICACER 2022, Aprilie 20-22, Barcelona, Spania (online) https://dream.ugal.ro/dream/materiale/diplome/39-ICACER%202022-Session%20Chair_Florin%20Onea.pdf
- Sectiunea Wind Energy System. REEE 2019, August 19-22, 2019, Munchen, Germania http://reee.net/2019.html
- Sectiunea Ocean Energy-2. OCEANS'15 MTS/IEEE GENOVA May 18-21, 2015 Genova, Italia.

Reţele profesionale

Researcher ID: http://www.researcherid.com/rid/D-4892-2015 **H index = 21**
SCOPUS ID: http://www.scopus.com/authid/detail.url?authorId=55326229800 **H index = 23**
Google Scholar: https://scholar.google.com/citations?user=pKmjk6MAAAAJ&hl=en **H index = 26**
Researchgate: https://www.researchgate.net/profile/Florin-Onea
Brainmap https://www.brainmap.ro/florin-onea
ORCID: http://orcid.org/0000-0001-9594-1388

Premii/diplome

- Diploma 'Anghel Saligny' pentru rezultate de excelenţă în funcţia didactică de conferenţiar, Galaţi 2022 https://dream.ugal.ro/dream/materiale/diplome/44-OF_diploma%202022.pdf
- Diploma 'Anghel Saligny' pentru rezultate de excelenţă în funcţia didactică de şef lucrări, Galaţi 2019 https://files.ugal.ro/s/Ctr4n6KrjiIeJ8B

Editorial board

Jurnal Energies, Secţiunea A3 - Wind, Wave and Tidal Energy
https://www.mdpi.com/journal/energies/sectioneditors/wind_wave_tidal_energy?page_no=3

ANEXE

A - Articole în jurnale ISI (43 articole)

1. **Onea F**, Manolache AI, 2025. A Spatial Analysis of the Wind and Hydrogen Production in the Black Sea Basin. Energies (article in press), **(FI: 3/2023)**, Q3 ENERGY & FUELS in SCIE edition 2023.

2. in SCIE edition Rusu E, Georgescu PL, **Onea F**, Yildirir V, Dragan S, 2023. *The Potential of Lakes for Extracting Renewable Energy-A Case Study of Brates Lake in the South-East of Europe*. INVENTIONS 8(6), 143, https://doi.org/10.3390/inventions8060143, WOS:001130724900001, **(FI: 2.1/2023)**, Q2 ENGINEERING, MULTIDISCIPLINARY Iin ESCI edition 2023.

3. in ESCI edition Rusu E, **Onea F**, 2023. *The Expected Dynamics of the European Offshore Wind Sector in the Climate Change Context*. JOURNAL OF MARINE SCIENCE AND ENGINEERING 11(10), 1967, https://doi.org/10.3390/jmse11101967, WOS:001097853400001, **(FI: 2.7/2023)**, Q1 ENGINEERING, MARINE in SCIE edition 2023.

4. **Onea F**, Rusu E, 2022. *An Evaluation of Marine Renewable Energy Resources Complementarity in the Portuguese Nearshore*.

JOURNAL OF MARINE SCIENCE AND ENGINEERING 10(12), 1901, https://doi.org/10.3390/jmse10121901, WOS:000901034300001, **(FI: 2.9/2022)**, Q1 ENGINEERING, MARINE in SCIE edition 2022.

5. **Onea F**, Rusu E, 2022. *A spatial analysis of the offshore wind energy potential related to the Mediterranean islands*. ENERGY REPORTS 8(16), 99-105, https://doi.org/10.1016/j.egyr.2022.10.249, WOS:000892651100015, **(FI: 5.2/2022)**, Q2 ENERGY & FUELS in SCIE edition 2022. Prezentată la 7th International Conference on Advances on Clean Energy Research (ICACER), Barcelona, Spania, 20-22 Aprilie 2022.

6. Rusu E, **Onea F**, 2022. *Evaluation of the adverse weather conditions associated to some significant European marine renewable energy projects*. ENERGY REPORTS 8(16), 185-193, https://doi.org/10.1016/j.egyr.2022.10.205, WOS:000892651100026, **(FI: 5.2/2022)**, Q2 ENERGY & FUELS in SCIE edition 2022. Prezentată la 7th International Conference on Advances on Clean Energy Research (ICACER), Barcelona, Spania, 20-22 Aprilie 2022.

7. **Onea F**, Manolache A, Ganea D. *Assessment of the Black Sea High-Altitude Wind Energy*. JOURNAL OF MARINE SCIENCE AND ENGINEERING 10(10), 1463, https://doi.org/10.3390/jmse10101463, WOS:000873154000001, **(FI: 2.9/2022)**, Q1 ENGINEERING, MARINE in SCIE edition 2022.

8. Yildirir V, Rusu E, **Onea F**, 2022. *Wind Variation near the Black Sea Coastal Areas Reflected by the ERA5 Dataset*. INVENTIONS 7(3), 57, https://doi.org/10.3390/inventions7030057, WOS:000858623600001, **(FI: 3.4/2022)**, Q1 ENGINEERING, MULTIDISCIPLINARY in ESCI edition 2022.

9. Yildirir V, Rusu E, **Onea F**, 2022. *Wind Energy Assessments in the Northern Romanian Coastal Environment Based on 20 Years of Data Coming from Different Sources*. Sustainability 14 (7), 4249, https://doi.org/10.3390/su14074249, WOS:000781321400001, **(FI: 3.9/2022)**, Q2 ENVIRONMENTAL SCIENCES in SCIE edition.

10. Girleanu A, **Onea F**, Eugen R, 2021. *The efficiency and coastal protection provided by a floating wind farm operating in the Romanian nearshore*. Energy Reports https://doi.org/10.1016/j.egyr.2021.05.057, WOS:000709730700003, **(FI: 5.2/2022)**, Q2 ENERGY & FUELS in SCIE edition 2022. Prezentată la 6th International Conference on Advances on Clean Energy Research, ICACER Barcelona, Spain, 15-17 Aprilie, 2021.

11. Girleanu A, **Onea F**, Rusu E, 2021. *Assessment of the Wind Energy Potential along the Romanian Coastal Zone*. Inventions 6(2), 41, https://doi.org/10.3390/inventions6020041, WOS:000667164800001, **(FI: 3.4/2022)**, Q1 ENGINEERING, MULTIDISCIPLINARY in ESCI edition 2022.

12. Rusu L, **Onea F**, Rusu E, 2021. *The Expected Impact of Marine Energy Farms Operating in Island Environments with Mild Wave Energy Resources—A Case Study in the Mediterranean Sea*. Inventions 6(2), 33, https://doi.org/10.3390/inventions6020033 WOS:000667164300001, **(FI: 3.4/2022)**, Q1 ENGINEERING, MULTIDISCIPLINARY in ESCI edition 2022.

13. **Onea F**, Rusu E, Rusu L, 2021. *Assessment of the Offshore Wind Energy Potential in the Romanian Exclusive Economic Zone*. JOURNAL OF MARINE SCIENCE AND ENGINEERING 9(5), 531, https://doi.org/10.3390/jmse9050531 **(FI: 2.9/2022)**, Q1 ENGINEERING, MARINE in SCIE edition 2022.

14. **Onea F,** Rusu L, Carp B, Rusu E, 2021. *Wave Farms Impact on the Coastal Processes – A Case Study Area in the Portuguese Nearshore*. JOURNAL OF MARINE SCIENCE AND ENGINEERING, 9(3), 262, https://doi.org/10.3390/jmse9030262, WOS:000633806800001, **(FI: 2.9/2022)**, Q1 ENGINEERING, MARINE in SCIE edition 2022.

15. Ruiz A, **Onea F**, Rusu E, 2020. *Study Concerning the Expected Dynamics of the Wind Energy Resources in the Iberian Nearshore*. Energies 13(18) 4832, https://doi.org/10.3390/en13184832, WOS:000580100200001, **(FI: 3.2/2022)**, Q3 ENERGY & FUELS in SCIE edition 2022.

16. Raileanu A, **Onea F**, Rusu, E, 2020. *Implementation of Offshore Wind Turbines to Reduce Air Pollution in Coastal Areas—Case Study Constanta Harbour in the Black Sea.* JOURNAL OF MARINE SCIENCE AND ENGINEERING, 8(8), 550 https://doi.org/10.3390/jmse8080550, WOS:000567306400001, **(FI: 2.9/2022**), Q1 ENGINEERING, MARINE in SCIE edition 2022.

17. **Onea F**, Ruiz A, Rusu E, 2020. *An Evaluation of the Wind Energy Resources along the Spanish Continental Nearshore*. Energies 13(15), 3986, https://doi.org/10.3390/en13153986, WOS:000558983700001, **(FI: 3.2/2022)**, Q3 ENERGY & FUELS in SCIE

edition 2022.

18. Raileanu A, **Onea F**, Rusu, E, 2020. *An Overview of the Expected Shoreline Impact of the Marine Energy Farms Operating in Different Coastal Environments*. JOURNAL OF MARINE SCIENCE AND ENGINEERING**,** 8(2), 228, https://doi.org/10.3390/jmse8030228, WOS:000529415700083, **(FI: 2.9/2022**), Q1 ENGINEERING, MARINE in SCIE edition 2022.

19. Rusu E, **Onea F**, 2019. *A parallel evaluation of the wind and wave energy resources along the Latin American and European coastal environments*. Renewable Energy 143, 1594-1607, https://doi.org/10.1016/j.renene.2019.05.117, WOS:000482686100049, **(FI: 8.7/2022)**, Q1 ENERGY & FUELS in SCIE edition 2022.

20. **Onea F**, Rusu E, 2019. *The expected shoreline effect of a marine energy farm operating close to Sardinia Island*. Water, 11(11), 2303, https://doi.org/10.3390/w11112303, WOS:000502264500105, **(FI: 3.4/2022)**, Q2 ENVIRONMENTAL SCIENCES in SCIE edition 2022.

21. **Onea F**, Rusu L, 2019. *Long-term analysis of the Black Sea weather windows*. JOURNAL OF MARINE SCIENCE AND ENGINEERING 7(9), 303, https://doi.org/10.3390/jmse7090303, WOS:000487981700023, **(FI: 2.9/2022)**, Q1 ENGINEERING, MARINE in SCIE edition 2022.

22. **Onea F**, Rusu E, 2019. *An assessment of wind energy potential in the Caspian Sea*. Energies 12(13), 2525, https://doi.org/10.3390/en12132525, WOS:000477034700067, **(FI: 3.2/2022)**, Q3 ENERGY & FUELS in SCIE edition 2022.

23. Rusu E, **Onea F**, 2019. *An assessment of the wind and wave power potential in the island environment*. Energy 175, 830-846, https://doi.org/10.1016/j.energy.2019.03.130, WOS:000466999400068, **(FI: 9/2022)**, Q1 ENERGY & FUELS in SCIE edition 2022.

24. Rusu L, **Onea F**, 2019. *A study on the wind energy potential in the Romanian coastal environment*. JOURNAL OF MARINE SCIENCE AND ENGINEERING 7(5), 142, https://doi.org/10.3390/jmse7050142, WOS:000470965000022, **(FI: 2.9/2022)**, Q1 ENGINEERING, MARINE in SCIE edition 2022.

25. **Onea F**, Rusu L, 2018. *Evaluation of some state-of-the-art wind technologies in the nearshore of the Black Sea*. Energies 11(9), 2452 https://doi.org/10.3390/en11092452, WOS:000446604500273, **(FI: 3.2/2022)**, Q3 ENERGY & FUELS in SCIE edition 2022.

26. Rusu E, **Onea F**, 2018. *A review of the technologies for wave energy extraction*. CLEAN ENERGY 2(1), 10-19, https://doi.org/10.1093/ce/zky003, **(FI: 2.3/2022)**, Q4 ENERGY & FUELS in SCIE edition 2022.

27. Rusu L, Raileanu A, **Onea F**, 2018. *A comparative analysis of the wind and wave climate in the Black Sea along the shipping routes*. Water, 10(7), 924, https://doi.org/10.3390/w10070924, WOS:000442579700107, **(FI: 3.4/2022)**, Q2 ENVIRONMENTAL SCIENCES in SCIE edition 2022.

28. **Onea F**, Rusu E, 2018. *Sustainability of the reanalysis databases in predicting the wind and wave power along the European coasts*. Sustainability 10(193), https://doi.org/10.3390/su10010193, WOS:000425082600190, **(FI: 3.9/2022)**, Q2 ENVIRONMENTAL SCIENCES in SCIE edition 2022.

29. Rusu E, **Onea F**, 2017. *Joint evaluation of the wave and offshore wind energy resources in the developing countries*. Energies 10(11), 1866, https://doi.org/10.3390/en10111866, WOS:000417046500185, **(FI: 3.2/2022)**, Q3 ENERGY & FUELS in SCIE edition 2022.

30. **Onea F**, Rusu L, 2017. *A long-term assessment of the Black Sea wave climate*. Sustainability 9(10), 1875, https://doi.org/10.3390/su9101875, WOS:000414896200205, **(FI: 3.9/2022)**, Q2 ENVIRONMENTAL SCIENCES in SCIE edition 2022.

31. **Onea F**, Ciortan S, Rusu E, 2017. *Assessment of the potential for developing combined wind-wave projects in the European nearshore*. ENERGY & ENVIRONMENT, 28(5-6), 580-597 https://doi.org/10.1177/0958305X17716947, WOS:000411611400004, **(FI: 4.2/2022)**, Q2 ENVIRONMENTAL STUDIES in SCIE edition 2022.

32. Rusu L, **Onea F**, 2017. *The performances of some state of the art wave energy converters in locations with the worldwide highest wave power*. Renewable & Sustainable Energy Reviews, 75, 1348-1362, https://doi.org/10.1016/j.rser.2016.11.123, WOS:000401395000107, **(FI: 15.9/2022)**, Q1 ENERGY & FUELS in SCIE edition 2022.

33. **Onea F**, Deleanu L, Rusu L, Georgescu C, 2016. *Evaluation of the wind energy potential along the Mediterranean Sea coasts*. ENERGY EXPLORATION & EXPLOITATION 34(5), 766-792 https://doi.org/10.1177/0144598716659592, WOS:000382570100007, **(FI: 2.7/2022)**, Q4 in ENERGY & FUELS in SCIE edition 2022.

34. Rusu E, **Onea F**, 2016. *Study on the influence of the distance to shore for a wave energy farm operating in the central part of the Portuguese nearshore*. Energy Conversion and Management 114, 209-223, https://doi.org/10.1016/j.enconman.2016.02.020, WOS:000372676200019, **(FI: 10.4/2022)**, Q1 in ENERGY & FUELS in SCIE edition 2022.

35. **Onea F**, Rusu E, 2016. *Efficiency assessments for some state of the art wind turbines in the coastal environments of the Black and the Caspian seas*. ENERGY EXPLORATION & EXPLOITATION, 34 (2), 217-234, https://doi.org/10.1177/0144598716629872, WOS:000371611300003, **(FI: 2.7/2022)**, Q4 in ENERGY & FUELS in SCIE edition 2022.

36. **Onea F**, Rusu E, 2016. *The expected efficiency and coastal impact of a hybrid energy farm operating in the Portuguese nearshore*. Energy, 97, 411–423, https://doi.org/10.1016/j.energy.2016.01.002, WOS:000371841100035, **(FI: 9/2022)**, Q1 ENERGY & FUELS in SCIE edition 2022.

37. Rusu E, **Onea F**. 2016. *Estimation of the wave energy conversion efficiency in the Atlantic Ocean close to the European islands*. Renewable Energy 85, 687–703, https://doi.org/10.1016/j.renene.2015.07.042, WOS:000363344800067, **(FI: 8.7/2022)**, Q1 ENERGY & FUELS in SCIE edition 2022.

38. Rusu L, **Onea F**, 2015. *Assessment of the performances of various wave energy converters along the European continental coasts*. Energy 82, 889–904, https://doi.org/10.1016/j.energy.2015.01.099, WOS:000351788700079, **(FI: 9/2022)**, Q1 ENERGY & FUELS in SCIE edition 2022.

39. **Onea F**, Raileanu A, Rusu E, 2015. *Evaluation of the wind energy potential in the coastal environment of two enclosed seas*. Advances in Meteorology 808617, https://doi.org/10.1155/2015/808617, WOS:000356713100001, **(FI: 2.9/2022)**, Q3 METEOROLOGY & ATMOSPHERIC SCIENCES in SCIE edition 2022.

40. Zanopol AT, **Onea F**, Rusu E, 2014. *Coastal impact assessment of a generic wave farm operating in the Romanian nearshore*. Energy 72, 652-670, https://doi.org/10.1016/j.energy.2014.05.093, WOS:000340321100062, **(FI: 9/2022)**, Q1 ENERGY & FUELS in SCIE edition 2022.

41. **Onea F**, Rusu E, 2014. An *evaluation of the wind energy in the north-west of the Black Sea*. International Journal of Green Energy 11 (5), 465-487, http://dx.doi.org/10.1080/15435075.2013.773513, WOS:000326919500003, **(FI: 3.3/2022)**, Q3 ENERGY & FUELS in SCIE edition 2022.

42. **Onea F**, Rusu E. 2014. *Wind energy assessments along the Black Sea basin*. Meteorological Applications, 21(2), 316-329 https://doi.org/10.1002/met.1337, WOS:000334790500020, **(FI: 2.7/2022)**, Q3 METEOROLOGY & ATMOSPHERIC SCIENCES in SCIE edition 2022.

43. Rusu E, **Onea F**. 2013. *Evaluation of the wind and wave energy along the Caspian Sea*. Energy, 50, 1-14 http://dx.doi.org/10.1016/j.energy.2012.11.044, WOS:000316432700001, **(FI: 9/2022)**, Q1 ENERGY & FUELS in SCIE edition 2022.

B - Conferinţe internaţionale (28 publicaţii)

1. Rusu E, **Onea F**, 2023. *A Computational Platform to assess the Coastal Impact of the Marine Energy Farms*. 8th International Conference on Advances on Clean Energy Research (ICACER). Barcelona, SPAIN, APR 27-29, 2023. https://dream.ugal.ro/dream/materiale/diplome/72-Onea-A1001.pdf

2. **Onea F**, Rusu E, 2023. *Expected Performances of WEC Systems Operating Near the European Offshore Wind Sites*. 8th International Conference on Advances on Clean Energy Research (ICACER). Barcelona, SPAIN, APR 27-29, 2023. https://dream.ugal.ro/dream/materiale/diplome/71-Onea-A035.pdf

3. **Onea F**, Rusu E, 2022. *A spatial analysis of the offshore wind energy potential related to the Mediterranean islands*. 7th International Conference on Advances on Clean Energy Research (ICACER). APR 20-22, 2022. Barcelona, SPAIN, https://dream.ugal.ro/dream/materiale/diplome/41-ICACER%202022-Onea_certificate%202.pdf

4. Rusu E, **Onea F**, 2022. *Evaluation of the adverse weather conditions associated to some significant European marine renewable energy projects*. 7th International Conference on Advances on Clean Energy Research (ICACER). APR 20-22, 2022, Barcelona,

SPAIN. https://dream.ugal.ro/dream/materiale/diplome/40-ICACER%202022-Onea_certificate%201.pdf

5. Girleanu A, **Onea F**, Rusu E, 2021. *The efficiency and coastal protection provided by a floating wind farm operating in the Romanian nearshore*. 6th International Conference on Advances on Clean Energy Research (ICACER). April 15–17, 2021, Barcelona, Spain https://doi.org/10.1016/j.egyr.2021.05.057 .

6. Girleanu A, Rusu E, **Onea F**, 2021. *An insight into the Romanian energy market in the context of climate change and the european Green Deal*. International Multidisciplinary Scientific GeoConference: SGEM; Sofia, Vol. 21, Iss. 4.1, (2021). DOI:10.5593/sgem2021/4.1/s17.04 https://www.proquest.com/openview/0e4cb9ef46275deb38de949d12c7343d/1?pq-origsite=gscholar&cbl=1536338

7. Girleanu A, Rusu E, **Onea F**, 2021. *A spatial assessment of the Romanian nearshore wind conditions*. 21st International Multidisciplinary Scientific GeoConference SGEM 2021. DOI:10.5593/sgem2021/4.1/s17.01 https://www.epslibrary.at/sgem_jresearch_publication_view.php?page=view&editid1=8038&

8. Yildirir V, Rusu E, **Onea F**, 2021. *Wind condition analysis and partial repowering concept for Fantanele – Cogealac onshore project*. 21st International Multidisciplinary Scientific GeoConference SGEM 2021, 16 - 22 August, 2021. DOI:10.5593/sgem2021/4.1/s17.24 https://www.sgem.org/index.php/elibrary-research-areas?view=publication&task=show&id=8061

9. Novac V, Moraru L, **Onea F**, Rusu E, 2020. *Ballast water management in the Black Sea basin*. 20th International Multidisciplinary Scientific GeoConference SGEM 2020, 18 - 24 August, 2020. DOI:10.5593/sgem2020/3.1/s15.104 https://www.sgem.org/index.php/elibrary-research-areas?view=publication&task=show&id=7199

10. Hobjila A, **Onea F**, Rusu L, 2020. *Estimating weather windows availability in the Black Sea area*. 20th International Multidisciplinary Scientific GeoConference SGEM 2020, 18 - 24 August, 2020. DOI:10.5593/sgem2020/4.1/s17.009 https://www.sgem.org/index.php/elibrary-research-areas?view=publication&task=show&id=7215

11. **Onea F**, Rusu L, 2019. *An overview of the Black Sea weather downtime*. IISES International Academic Conference, September 23-26, 2019 Barcelona, Spain. https://www.iises.net/proceedings/international-academic-conference-barcelona/table-of-content/detail?article=an-overview-of-the-black-sea-weather-downtime DOI:10.20472/IAC.2019.052.049

12. Rusu E, **Onea F**, 2019. *Wind and wave energy resource of Germany reported by ERA-Interim reanalysis data*. 2nd International Conference on Renewable Energy and Environment Engineering (REEE 2019), August 19-22, 2019 Munich, Germany https://doi.org/10.1051/e3sconf/201912204003

13. **Onea F**, Rusu L, 2019. *Assessment of the Romanian onshore and offshore wind energy potential*. 2nd International Conference on Renewable Energy and Environment Engineering (REEE 2019), August 19-22, 2019 Munich, Germany. https://doi.org/10.1051/e3sconf/201912201003

14. **Onea F**, Rusu L, 2019. *Offshore wind energy and the Romanian energy future*. 4th International Conference on Advances on Clean Energy Research (ICACER 2019), April 5-7, 2019 Coimbra, Portugal. https://doi.org/10.1051/e3sconf/201910301004

15. **Onea F**, Rusu L, 2019. *Wave power variation near the Romanian coastal waters*. 4th International Conference on Advances on Clean Energy Research (ICACER 2019), April 5-7, 2019 Coimbra, Portugal. https://doi.org/10.1051/e3sconf/201910301006

16. **Onea F**, Rusu L, 2018. *Evaluation of the Black Sea wind energy potential for a renewable energy perspective*. 3rd International Conference on Power and Renewable Energy, September 21-24, 2018, Berlin, Germany. https://files.ugal.ro/s/k6j2PczxR9ivzaW

17. **Onea F**, Rusu L, 2018. *Assessment of the Romanian coastline wind energy potential*. 4th International Conference "Water resources and wetlands", September 5-9, 2018, Tulcea, Romania. https://www.limnology.ro/wrw2018/programme.html

18. **Onea F**, Rusu E, 2018. *Sensitivity analysis of the wave energy converters operating in the French coastal waters*. ICPET, 4-6 July 2018, Lille, France https://icpet.org/icpet2018.html; http://www.ijsgce.com/index.php?m=content&c=index&a=show&catid=78&id=438 DOI: 10.12720/sgce.8.2.239-244.

19. Raileanu A, **Onea F**, Rusu L, 2018. *Coastal protection of the Romanian nearshore throughout hybrid wave and offshore wind farms*. ICACER2018, 6-8 April 2018, Barcelona, Spain. https://doi.org/10.1051/e3sconf/20185101004

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C - Cărţi sau capitole de carte (3 lucrări)

1. **Onea F**, Rusu L, Rusu E, 2022. *Energia regenerabilă din mediul marin şi sinergia dintre energia vântului şi a valurilor. Editura* Zigotto Galaţi, ISBN 978-606-669-386-8, 295 pagini.

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D – Proiecte de cercetare (4 proiecte)

1. DREAM (2021 - prezent) - Dynamics of the Resources and technological Advance in harvesting Marine renewable energy (PN-III-P4-ID-PCE-2020-0008) https://dream.ugal.ro/

2. Grant intern acordat de Facultatea de Inginerie din Galaţi, 2022. Soluţii avansate pentru utilizarea energiei vântului din bazinul Mării Negre. Contract de finanţare nr. 14890/11.05.2022 https://cercetare.ugal.ro/files/finantare/beneficiari-grant-institutional-CDI-2022.pdf

3. ROMAR (2018 - 2020) - ROmanian MArine Renewable solutions (PN-III-P1-1.1-PD-2016-0235) – *director de proiect* https://romar.ugal.ro/

4. REMARC (2017 - 2019) - Renewable Energy extraction in MARine environment and its Coastal impact (PN-III-P4-ID-PCE-2016-0017) https://remarc.ugal.ro/

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