

# RAPORT ACTIVITATE <sup>1</sup>

pe anul 2023

## 1. Datele de identificare ale unității de cercetare (UC)

- 1.1. Denumirea UC<sup>2</sup>: Centrul de Cercetare Arhitectură Navală
- 1.2. Document de înființare și anul de înființare<sup>3</sup>: Certificat CNCSIS, nr.30/CC-C/2001
- 1.3. Adresa UC: Str. Domnească, nr.111, Galați
- 1.4. Telefon, fax, pagina web, e-mail: +403630230, ccan@ugal.ro

## 2. Scurtă prezentare

- 2.1. Domeniul fundamental/ramura de știință<sup>4</sup>: Științe ingineresti / Inginerie mecanică, mecatronică, inginerie industrială și management
- 2.2. Directii de cercetare-dezvoltare/obiective de cercetare/priorități de cercetare
  - a. domenii principale de cercetare-dezvoltare-inovare:  
Hidrodinamică navală:  
Structuri navale:
  - b. domenii secundare de cercetare-dezvoltare-inovare:  
Optimizarea hidrodinamică a formelor carenelor navale
    - Analiza numerică a performanțelor de rezistență la înaintare, propulsie și manevrabilitate ale navelor
    - Analiza performanțelor de comportare pe valuri ale navelor și structurilor marine plutitoare
    - Analiza experimentală pe modele la scară a performanțelor hidro-aerodinamice ale navelor
    - Optimizarea structurală a corpului navelor și structurilor marine
    - Analiza numerică și experimentală a comportării statice și dinamice a structurilor navale în domeniul elasto-plastic- rupere
  - c. servicii / microproducție:
    - Design naval
    - Analize CFD (Computational Fluid Dynamics)
    - Măsurători experimentale pe model în bazinul de carene
    - Analiza numerică a performanțelor de seakeeping și a hidro-elasticității navei
    - Analiza numerică a rezistenței structurale locale și globale a corpului navei, cu metoda elementului finit FEM

---

<sup>1</sup> La Raportare se va avea în vedere doar activitatea desfășurată de membrii titulari (Mt) ai UC

<sup>2</sup> Inclusiv acronim.

<sup>3</sup> Se specifică numărul Hotărârii de Senat și data aprobării

<sup>4</sup> În acord cu HOTĂRÂREA Nr. 433/2022 privind aprobarea Nomenclatorului domeniilor și al specializărilor/programelor de studii universitare și a structurii instituțiilor de învățământ superior pentru anul universitar 2022-2023

- Analiza structurală experimentală prin tensometrie electrică rezistivă

### 3. Structura de conducere a UC:

3.1. Coordonator (Director/ Responsabil UC): Conf.dr.ing. Săndița Păcuraru

3.2. Consiliul de coordonare/științific: Profesor dr. ing. Leonard Domnișoru, Prof. dr. ing. Carmen Gasparotti, Conf. Dr. ing. Gabriel Popescu, Conf. Dr. ing. Mihaela Amoraritei, Conf. Dr. ing. Florin Pacuraru.

### 4. Structura resursei umane

Numărul total de membri, din care:

- Număr membri titulari<sup>5</sup>: 14
- Număr membri asociați: 2
- Conducători de doctorat<sup>6</sup>: 6
- Număr de tineri cercetatori (postdoctoranzi, doctoranzi, masteranzi etc): 4
- Număr ingineri/tehnicieni: 3

### 5. Infrastructura de cercetare-dezvoltare, facilități de cercetare

5.1. Laboratoare/ compartimente<sup>7</sup>:

|   |                                                   |                   |                                                                                                                        |
|---|---------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------|
| 1 | Bazin de Carene                                   | Florin Pacuraru   | Teste experimentale de hidrodinamică, pe modele la scara                                                               |
| 2 | Laborator de modelări numerice - Structuri navale | Domnișoru Leonard | Analiza rezistenței structurilor navale                                                                                |
| 3 | Laborator numeric Hidrodinamică navală            | Păcuraru Florin   | Modelarea numerică a curgerii în jurul carenelor navale                                                                |
| 4 | Tunel aerodinamic naval                           | Radu Bosoancă     | Teste aerodinamice                                                                                                     |
| 5 | Laborator de Rezistența materialelor              | Alina Modiga      | Încercări experimentale de întindere, încovoiere, torsiune                                                             |
| 6 | Laborator de Instalații                           | Daniel Vișan      | Laborator cu caracter experimental pentru Instalații și echipamente navale                                             |
| 7 | Tunel de Cavitație                                | Radu Bosoancă     | 1) Teste pe modele experimentale privind hidrodinamica propulsoarelor<br>2) Teste de cavitație pe modele experimentale |

<sup>5</sup> Numai pe baza adeziunii aprobate de Responsabilul UC

<sup>6</sup> Nume, prenume, domeniul de doctorat.

<sup>7</sup> Se vor nominaliza laboratoarele, responsabilul și principalele direcții de cercetare.

5.2. Echipamente, instalații și software de interes național pentru cercetare fundamentală, dezvoltare tehnologică și inovare<sup>8</sup>:

| Nr.crt. | Laborator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 1.      | <b>Bazin de Carene:</b> <ul style="list-style-type: none"> <li>- generator de valuri</li> <li>- cărucior pentru tractarea modelelor</li> <li>- dinamometru de rezistență la înaintare</li> <li>- dinamometru de propulsie, R31</li> <li>- dinamometru de elice în apă liberă</li> <li>- greblă de siaj axial</li> <li>- sondă de val</li> <li>- balanță semiautomată de 100 Kg</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                       | 2008 |
| 2.      | <b>Tunel Aerodinamic:</b> <ul style="list-style-type: none"> <li>- scanner de presiune cu 16 canale</li> <li>- tub Pitot</li> <li>- generator de fum</li> <li>- anemometru digital – 1 buc</li> <li>- multimanometru portabil cu tuburi înclinate cu 16</li> <li>- puncte de masura</li> <li>- balanță aerodinamică cu 6 componente</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2016 |
| 3.      | <b>Laborator de Rezistența materialelor:</b> <ul style="list-style-type: none"> <li>- mașină de testări întindere/compresiune, permite realizarea testelor pentru rezistența materialelor pentru o gama largă de materiale (metale, plastice, adezivi etc);</li> <li>- prevăzută cu sisteme de prindere pentru testarea la tracțiune – probe cilindrice, plate, probe asimetrice; probe rotunde cu diametre 2 – 30 mm și plate cu grosimi 0 – 25 mm și platane pentru teste la</li> <li>- compresiune cu diametrul minim 150 mm, asigurând o</li> <li>- interfață ușor de utilizat și adaptată pentru tehnologia</li> <li>- touchscreen și software pentru controlul datelor de</li> <li>- intrare și raportarea rezultatelor pentru testările</li> <li>- efectuate.</li> </ul> | 2021 |
| 4.      | <b>Laborator numeric:</b> <ul style="list-style-type: none"> <li>- Soft Licență Femap/NX Nastran v.11.3.1 2016 , v.11.4</li> <li>- 2017, v.12.0, multiuser (100) CAD/FEM (Y206B)</li> <li>- Soft de analiză numerică la seakeeping și</li> <li>- hidroelasticitatea navei DYN-OSC / DYN-HYDEL (Y206B)</li> <li>- (cu dezvoltare anuală în cadrul CCAN)</li> <li>- Pachete multiuser Software Bureau Veritas (Hydrstotar,</li> <li>- Ariane, Homer - academic)</li> </ul>                                                                                                                                                                                                                                                                                                        | 2023 |

<sup>8</sup> Se vor enumera numai acele laboratoare și echipamente care au fost folosite în activitatea de cercetare din ultimii 2 ani; Se vor nominaliza 1-2 repere reprezentative la nivel de universitate, regional și național.

|  |                                          |  |
|--|------------------------------------------|--|
|  | - Shipflow multiuser<br>- Napa multiuser |  |
|--|------------------------------------------|--|

## 6. Contracte de cercetare derulate<sup>9</sup>

### 6.1. Contracte câștigate în competiții:

- internaționale: HORIZON-CL5-2023-D5-01, FOREMAST Freight vOlumes transfer from Road to waterborne transport, using zero-EMission, Automated, Small and flexible vessel protoTypes, responsabil Florin Pacuraru, 101138261/21/11/2023; Buget 209000 euro.

- naționale: -

### 6.2. Contracte cu agenți economici:

- din străinătate: -

- din țară:

1) Contract 812/25.10.2023 *Analiza performanțelor hidrodinamice în valuri a unei unități plutitoare realizată din material compozit pentru recuperarea și transportul amestecului apa-hidrocarburi*, Beneficiar: Institutul National de Cercetare Dezvoltare pentru Textile și Pielarie București; Perioada: 25.10.2023-04.12.2023; Buget: 6000 euro.

## 7. Finanțarea UC din fonduri proprii UDJG<sup>10</sup>

1) Finanțare privind lucrări de reparație a sistemului de achiziție, la Bazinul de Carene, în valoare de 10.000 euro, conform contract servicii 903/6.11.2023.

2) Grant intern - Platformă modulară de acvacultură pentru o dezvoltare sustenabilă a economiei albastre în regiunea Dunării de Jos, acronim FISH & FAN, 2023, Director grant; finanțat prin contractul de finanțare pentru Susținerea și dezvoltarea activităților CDI-TT în Universitatea „Dunărea de Jos” din Galați, Contract nr. 9416/30.03.2023, perioada implementare 01.04.2023-30.11.2023, responsabil Costel Ungureanu.

## 8. Rezultatele activității de cercetare, dezvoltare și inovare (CDI)

### 8.1. Rezultate ale activității CDI (cercetare fundamentală și aplicativă)<sup>11</sup>

|       |                                                                                                  | Nr. |
|-------|--------------------------------------------------------------------------------------------------|-----|
| 8.1.1 | Lucrări publicate în reviste cotate ISI                                                          | 2   |
| 8.1.2 | Factor de impact cumulat al lucrărilor cotate ISI                                                | 3.9 |
| 8.1.3 | Citări în reviste de specialitate cotate ISI                                                     | 72  |
| 8.1.4 | Lucrări științifice/tehnice în reviste indexate în baze de date internaționale                   | 20  |
| 8.1.5 | Comunicări științifice prezentate la conferințe internaționale și publicate în volumele acestora | 4   |

<sup>9</sup> Se vor atașa liste pe categorii care să cuprindă următoarele detalii: nr. contract, titlu, domeniul (care se înscrie în lista domeniilor de cercetare declarate ale UC) de cercetare, director, parteneri (daca este cazul), valoare totală și valoarea regie și valoarea din regie care a fost solicitată pentru întreținerea UC.

<sup>10</sup> Se va specifica valoarea finanțării și destinația acestora.

<sup>11</sup> Se vor anexa lista acestor contribuții.

|               |                                                                                                                                                        |   |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| <b>8.1.6</b>  | Comunicări științifice prezentate la conferințe naționale și publicate în volumele acestora                                                            | 6 |
| <b>8.1.7</b>  | Brevete de invenție (solicitate / acordate)                                                                                                            | - |
| <b>8.1.8</b>  | Citări în sistemul ISI ale lucrărilor de cercetare/ brevete                                                                                            | - |
| <b>8.1.9</b>  | Produse/servicii/tehnologii rezultate din activități de cercetare, bazate pe brevete, omologări sau inovații proprii.                                  | - |
| <b>8.1.10</b> | Studii prospective și tehnologice, normative, proceduri, metodologii și planuri tehnice, noi sau perfecționate, comandate sau utilizate de beneficiar. | - |

## 8.2. Teze de doctorat în derulare<sup>12</sup> :

| Nr. | Titlul tezei                                                                               | Domeniu            | Nume doctorand | Nume coordonator                |
|-----|--------------------------------------------------------------------------------------------|--------------------|----------------|---------------------------------|
| 1.  | Studii privind analiza riscului structural la solicitări accidentale a navelor în derulare | Inginerie mecanică | Perijoc Silviu | Prof. dr.ing. Leonard Domnisoru |
| 2.  | Cercetări privind performanțele de propulsie ale navei în valuri                           | Inginerie mecanică | Andreea Mandru | Prof. dr.ing. Liliana Rusu      |
| 3.  | Studii privind hidrodinamica dispozitivelor active de control ale navelor în valuri        | Inginerie mecanică | George Cotoc   | Prof. dr.ing. Liliana Rusu      |

## 8.3. Oportunități de valorificare a rezultatelor CDI

## 8.4. Rezultate ale activității CDI valorificate și efectele obținute

### 9. Măsurii privind creșterea capacității activității CDI

(i) Participarea în consorții la apeluri internaționale și depunerea de propuneri de proiecte :

1. HORIZON-MISS-2023-OCEAN-01, Coordonator: Universitatea Dunarea de Jos din Galati  
Titlu proiect: Innovative Sediment Management Framework for a Sustainable Danube Black Sea System – SUNDANSE, Project ID 101156533

[https://ec.europa.eu/info/funding-](https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/myarea/project/101156533/program/43108390/details)

[tenders/opportunities/portal/screen/myarea/project/101156533/program/43108390/details](https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/myarea/project/101156533/program/43108390/details)

2. HORIZON-CL5-2023-D5-01 101138261 Project ID, FOREMAST, Freight vOlumes transfer from Road to waterborne transport, using zero-EMission, Automated, Small and flexible vessel protoTypes

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/myarea/project/101138261/program/43108390/details>

3. HORIZON-CL5-2021-D6-01, 101069682 project ID, Resilience-centric Smart, Green, Networked EU Inland Waterways - ReNEW

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/myarea/project/101069682/program/43108390/details>

(ii) Baza experimentală hidro-aerodinamică este reprezentată în cadrul organizației internaționale

<sup>12</sup> Se va anexa lista tezelor de doctorat în derulare, cu specificarea titlului, domeniul de doctorat, nume doctorand, nume conducator de doctorat.

INTERNATIONAL TOWING TANK CONFERENCE - ITTC. CCAN este membru ITTC (<https://ittc.info>), cea mai importantă asociație la nivel mondial a organizațiilor de cercetare în domeniul măsurătorilor experimentale hidrodinamice. (International;

3. Achiziționarea/mentenanța licențelor pentru soft specializat CAD-CAE și de analiză numerică (FEMAP, SHIPFLOW, NAPA, Hydrostar, HOMER, ARIANE – CCAN este unicul beneficiar în România pentru ultimile patru pachete software menționate);

4. Organizarea Simpozionului Studențesc ARHINAV, 26 mai 2023;

5. Organizarea conferinței 15th National Conference on Naval Architecture 17-18 Decembrie 2023 (Short movie GNA 2023: <https://files.ugal.ro/s/IIo3TsyonrE5nIv> )

## **10. Măsuri pentru creșterea prestigiului și a vizibilității UC<sup>13</sup>**

### **10.1. Dezvoltarea de parteneriate:**

- dezvoltarea de parteneriate la nivel național și internațional (cu personalități/instituții / asociații profesionale) în vederea participării la programele naționale și internaționale specifice;
- înscrierea UC în platforme naționale și internaționale care promovează parteneriatele;
- înscrierea UC în rețele de cercetare/asociații profesionale de prestigiu pe plan național/internațional;
- personalități științifice ce au vizitat UC;
- asigurarea de stagii de cercetare pentru specialiști din țară și străinătate;
- cursuri și seminarii susținute de personalitățile științifice invitate;
- membrii în colective editoriale ale revistelor recunoscute ISI sau incluse în baze internaționale de date.

### **Dezvoltarea de parteneriate:**

- ReNEW, 24 parteneri, reprezintă un grup multidisciplinar compus din 24 de participanți din 11 țări ale Uniunii Europene, capabil să joace un rol cheie în susținerea tranziției transportului pe căi navigabile interioare (IWT) către un sector inteligent, verde, durabil și rezistent la schimbările climatice. <https://renew-waterways.eu/>
- Learning European Alliance for Digital, Environmental and Resilient Shipbuilding-LeaderSHIP, are ca obiectiv principal actualizarea competențelor resursei umane din industria navală conform cerințelor Green Skills și Digital Skills, prin compatibilizarea programelor de formare la nivelul Uniunii Europene și implică 18 parteneri, inclusiv universități, organizații profesionale și autorități locale.
- FOREMAST, 17 parteneri, Activitățile de cercetare și inovare ale proiectului FOREMAST vizează dezvoltarea soluțiilor pentru automatizarea și gestionarea eficientă a transportului pe căi navigabile interioare, incluzând sisteme de control al autonomiei și proiecte inovatoare pentru nave, integrate într-un mediu digital de simulare și optimizare. <https://foremast.eu/>
- SUNDANSE, 20 parteneri (va începe în iunie 2024, și se va derula pe o perioadă de 4 ani, Universitatea Dunărea de Jos din Galați având calitatea de coordinator) va dezvolta și implementa soluții inovatoare pentru gestionarea și protejarea mediului în bazinul Dunării, inclusiv modelarea și monitorizarea

---

<sup>13</sup> Se va descrie detaliat fiecare acțiune realizată.

sedimentelor, evaluarea impactului asupra mediului și crearea unui cadru de management pentru promovarea durabilității și eficienței în regiune.

- Prezentarea noastră poate fi accesată la adresa: [https://www.oecd.org/industry/ind/WP6\\_Workshop\\_Labour\\_Issues\\_Nov-2023\\_Romania.pdf](https://www.oecd.org/industry/ind/WP6_Workshop_Labour_Issues_Nov-2023_Romania.pdf)
- CCAN este membru ITTC, International Towing Tank Committee. ITTC este o asociație globală a organizațiilor de cercetare care studiază și experimentează performanța hidrodinamică a navelor și a structurilor marine, cu participare activă la IMO - Organizația Maritimă Internațională. <https://itc.info/members/>
- CCAN este membru WEGEMT - European Association of Universities in Marine Technology și facem parte din Comitetul Executiv, din 2022. Prin intermediul WEGEMT, suntem membri ai Waterborne, în cadrul căruia am fost invitați să facem parte din echipele de scriere ale unor noi linii de finanțare în programele EC, Horizon Europe 2020-2025, în domeniul eficienței energetice a navelor. <https://www.wegemt.com/>
- Membri ai CCAN fac parte din Reviewer Board ai Transport Research Arena, Journal of Marine Science and Engineering, Journal of Ocean Engineering ș.a. acestea reprezentând unele dintre cele mai recunoscute la nivel internațional conferințe respectiv jurnale în domeniul arhitecturii navale, transportului modal respectiv inginerie offshore.

#### 10.2. Prezentarea rezultatelor la târgurile și expozițiile naționale și internaționale;

- târguri și expoziții internaționale:
- În 2023, am participat la workshop-ul organizat de OECD Workshop on Labour issues in the shipbuilding and marine equipment industries: Breaking away from “tradition”, Paris, 21 Noiembrie 2023, unde am fost invitați să prezentăm aspecte ale activității noastre didactice, de cercetare și de colaborare cu mediul industrial la nivel național și european.
- târguri și expoziții naționale:
- Pacuraru Sandita, Agache Aurelian, Tanase Adelin, Teodora Tămoanu - Targul de Transfer tehnologic UDJG 15 noiembrie 2023
- Ungureanu, C., Presura, A., Bosoanca R., Mandru, A., Perijoc, S., Mihai, V., Cotoc, G., „Platforma modulara de acvacultura pentru o dezvoltare sustenabila a economiei albastre in regiunea Dunarii de Jos, acronim FISH&FAN”, Salonul Inovării și Cercetării UGAL INVENT, 9-10 Noiembrie 2023, Galati, Romania, [www.invent.ugal.ro](http://www.invent.ugal.ro) (Poster)

#### 10.3. Premii obținute prin proces de selecție/distincții, etc.

- Diploma de Excelență din parte UDJG, oferită CCAN;
- Diploma de excelență oferită de UDJG pentru contribuții aduse cercetării, prin accesarea de proiecte europene (Florin Pacuraru)

- Medalia de Aur, Salonul Internațional de Inventică și Antreprenariat Inovativ, Secțiunea Inventii, 12-13 octombrie 2023, Chisinau, Republica Moldova, invenție: „Modular aquaculture platform for a sustainable development of the blue economy in the Lower Danube region, acronym FISH&FAN”, autori: Costel Ungureanu, Adrian Presură, Radu Bosoancă, Andreea Mândru, Silviu Perijoc, Victor Mihai, George Cotoc
- Premiul special din partea Universității Politehnica Timisoara, Salonul Internațional de Inventică și Antreprenariat Inovativ, 12-13 octombrie 2023, Chisinau, Republica Moldova, invenție: „Modular aquaculture platform for a sustainable development of the blue economy

#### 10.4. Prezentarea activității de mediatizare:

- extrase din presa (interviuri): <https://www.viata-libera.ro/actual/212749-botezul-cu-public-al-navei-rexdan-colocviile-navalistilor-galateni-in-premiera-pe-apa>
- participare la dezbateri radiodifuzate / televizate:-

### 11. Concluzii

Facultatea de Arhitectură Navală, împreună cu Centrul de Cercetare Arhitectură Navală din cadrul Universității Dunărea de Jos din Galați, reprezintă un pol de excelență în domeniul arhitecturii navale și ingineriei marine din Europa. Suntem deschiși pentru colaborare și parteneriate atât cu entitățile naționale publice și private din România, cât și din străinătate, și înțelegem că rolul nostru este unul major în consolidarea mediului academic, a componentei RDI și în susținerea pieței de forță de muncă în domeniul naval.

Data: 25.04.2024

Responsabil CCAN,  
Sandita Pacuraru

## Publicatii 2023

### **ISI- Web of Science:** (Total number = 2)

1. Chiroasca, A.-M.; Medina, A.; Pacuraru, F.; Saettone, S.; Rusu, L.; Pacuraru, S. Experimental and Numerical Investigation of the Added Resistance in Regular Head Waves for the DTC Hull. J. Mar. Sci. Eng. 2023, 11, 852. <https://doi.org/10.3390/jmse11040852>.
2. Carmen Gasparotti, Glencora-Maria Benec Mincu, Cristina Nițu, Alina Raileanu and Andra Țurcanu (Marcu), 2023. Ports Digitization - A Challenge for Sustainable Development. Romanian Journal of Economic Forecasting (RJEf), Volume 26, Issue 2, pp. 143-160, Impact Factor -1-AIS-0,110 (Q4); WOS:001045869200009.

***Factor de impact (2.9 + 1.0 = 3.9)***

| Nr.crt.      | Date de identificare articol<br>(Autori, Titlu, cod DOI articol, Titlul revistei, anul publicării)                                                                                                                                                                                                                   | Factor de impact |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 1.           | Chiroasca, A.-M.; Medina, A.; Pacuraru, F.; Saettone, S.; Rusu, L.; Pacuraru, S. Experimental and Numerical Investigation of the Added Resistance in Regular Head Waves for the DTC Hull. J. Mar. Sci. Eng. 2023, 11, 852. <a href="https://doi.org/10.3390/jmse11040852">https://doi.org/10.3390/jmse11040852</a> . | 2.9              |
| 2.           | Carmen Gasparotti, Glencora-Maria Benec Mincu, Cristina Nițu, Alina Raileanu and Andra Țurcanu (Marcu), 2023. Ports Digitization - A Challenge for Sustainable Development. Romanian Journal of Economic Forecasting (RJEf), Volume 26, Issue 2, pp. 143-160, Impact Factor -1-AIS-0,110 (Q4); WOS:001045869200009.  | 1.0              |
| <b>Total</b> |                                                                                                                                                                                                                                                                                                                      | <b>3.9</b>       |

### **BDI:** (total number = 20)

1. Bekhit, A.; Pacuraru, S. "Numerical Simulation For Predicting The Response Of An Offshore Heavy Lift Barge In Regular And Irregular Waves". The Annals of "Dunarea de Jos" University of Galati Fascicle XI – Shipbuilding. ISSN 1221-4620, e-ISSN 2668-3156, DOI: <https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.24> 2023. <https://www.gup.ugal.ro/ugaljournals/index.php/fanship/article/view/6313/5506>.
2. Ivanov, E.O., Ungureanu, C., "Design of a submarine main ballast blowing systems", Annals of "Dunarea de Jos" University Galati. Fascicle XI, Shipbuilding, 2023;
3. Ivanov, E.O., Ungureanu, C., "Design of a submarine main ballast tank flood and vent openings mechanisms", Annals of "Dunarea de Jos" University Galati. Fascicle XI, Shipbuilding, 2023;
4. Oprea, C.S., Ungureanu, C., "Mounting and testing technology for a steering gear system with hydraulic cylinders", Annals of "Dunarea de Jos" University Galati. Fascicle XI, Shipbuilding, 2023;
5. Ana-Maria Tărăbuși, Anișoara - Gabriela Cristea, "The influence of plating with flat bars around technological cutouts on the stress state of a 37500 tdw chemical tanker", The annals of "Dunarea de Jos" University of Galati, fascicle XI - Shipbuilding, ISSN 1221-

- 4620, pag. 61 - 71, e-ISSN 2668-3156. DOI: <https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.102023>.
6. Cosmin Mogus, Anișoara - Gabriela Cristea, “Determination of stress state and deformations that can appear in transversal frames of a 48309 dwt bulk carrier”, The annals of "Dunarea de Jos" University of Galati, fascicle XI - Shipbuilding, ISSN 1221-4620, pag. 71 - 77, e-ISSN 2668-3156. DOI: <https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.102023>.
  7. Ilie Nicușor - Dănuț, Anișoara - Gabriela Cristea, “Analysis of stress and deformations in the transverse walls of a 50100 tdw tanker”, The annals of "Dunarea de Jos" University of Galati, fascicle XI - Shipbuilding, ISSN 1221-4620, pag. 79 - 87, e-ISSN 2668-3156. DOI: <https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.102023>.
  8. Mitrofan, A., Mandru A., Pacuraru F. Study on the position of the bow spray rail of a patrol vessel, Annals of “Dunarea De Jos” University of Galati Fascicle XI – Shipbuilding, 2023, 46, 183-188. <https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.23>.
  9. Ditu, CP., Mandru A., Pacuraru F Effect of distance between the hulls variation on the total resistance of a catamaran, Annals of “Dunarea De Jos” University of Galati Fascicle XI – Shipbuilding, 2023, 46, 175-182. <https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.22>.
  10. Carmen Gasparotti, 2023, Ranking the main risks that can lead to the pollution of the marine environment in the Black Sea. The Annals of “Dunarea de Jos” University of Galati, Fascicle XI-Shipbuilding, Galati University Press, ISSN 1221-4620 (CSA, Genamics JournalSeek / WorldCat Knowledge Base, SCIPIO), <https://www.gup.ugal.ro/ugaljournals/index.php/fanship>
  11. Razvan Florin Gasparotti, Carmen Gasparotti, 2023. Impact of internal audit activity on risk management within construction organization. Review of Management and Economic Engineering Vol. 22, No. 3(89), September 2023, p. 189 - 208, ISSN (print): 1583-624X, ISSN (online): 2360-2155. [https://www.rmee.org/abstracturi/85/04\\_Articol\\_645\\_.pdf](https://www.rmee.org/abstracturi/85/04_Articol_645_.pdf)
  12. Domnisoru, L., 2023, “Preliminary hydrodynamic analyses for a river research ship. comparative study of mono-hull and catamaran ship type”, Galati Naval Architecture GNA'23, 16<sup>th</sup> National Conference on Naval Architecture, The Annals of “Dunarea de Jos” University of Galati, Fascicle XI-Shipbuilding, Issue 46(41), ISSN 1221-4620 (Print); ISSN 2668-3156 (Online), pp.39-46, Galati University Press, 2023.
  13. Popa Alexandru, Domnisoru, L., 2023, “On advanced global strength analysis of a pleasure yacht by user’s procedures implemented in FEMAP / NX Nastran”, Galati Naval Architecture GNA'23, 16<sup>th</sup> National Conference on Naval Architecture, The Annals of “Dunarea de Jos” University of Galati, Fascicle XI-Shipbuilding, Issue 46(41), ISSN 1221-4620 (Print); ISSN 2668-3156 (Online), pp.19-30, Galati University Press, 2023.
  14. Perijoc, D.S., Domnisoru, L., 2023, “Comparative analysis of seakeeping methods: numerical, software simulation and experimental study”, Galati Naval Architecture GNA'23, 16<sup>th</sup> National Conference on Naval Architecture, The Annals of “Dunarea de

Jos” University of Galati, Fascicle XI-Shipbuilding, Issue 46(41), ISSN 1221-4620 (Print); ISSN 2668-3156 (Online), pp.89-96, Galati University Press, 2023.

15. Domnişoru, L., “On the structural valuation in oblique waves of a large liquefied natural gas carrier by 3D-FEM model approach”, ModTech 11<sup>th</sup> International Conference Modern Technologies in Industrial Engineering, Maritime Engineering and Navigation, 14-17 June 2023, Bucharest (hybrid), Romania, Paper ID: G-4, Section G. Maritime Engineering and Navigation: Maritime Engineering and Technologies, Maritime Transport and Economics, IJMMT - International Journal of Modern Manufacturing Technologies, ISSN 2067–3604, Vol. XV, No. 2 / 2023, pag.200-219, <https://doi.org/10.54684/ijmmt.2023.15.2.200>, [www.modtech.ro](http://www.modtech.ro), <https://ijmmt.ro/international-journal-ijmmt/vol15no22023>.
16. Perijoc, D.S., Domnişoru, L., “Structural evaluation of an inland barge structure under fore area grounding impact loads”, ModTech 11<sup>th</sup> International Conference Modern Technologies in Industrial Engineering, Maritime Engineering and Navigation, 14-17 June 2023, Bucharest (hybrid), Romania, Paper ID: G-6, Section G. Maritime Engineering and Navigation: Maritime Engineering and Technologies, Maritime Transport and Economics, IJMMT - International Journal of Modern Manufacturing Technologies, ISSN 2067–3604, Vol. XV, No. 3 / 2023, pag.117-124, <https://doi.org/10.54684/ijmmt.2023.15.3.117>, [www.modtech.ro](http://www.modtech.ro), <https://ijmmt.ro/international-journal-ijmmt/vol15no32023>.
17. Oana-Mirela Jarca, Dumitru-Silviu Perijoc, 2023, “Comparative Static FEA of Equipment Foundations on Marine Vessels: Standard, Stiffened, and Structural Integrated”. The Annals of “Dunarea De Jos” University of Galati Fascicle XI – Shipbuilding. ISSN 1221-4620, e-ISSN 2668-3156, 2023, pg.125-132.
18. Gherghisan M., Bria V., Circiumaru A., Mocanu C.I., Găvan E. “Aluminum, an alternative to GRP for manufacturing of sports boats”. Annals of the “Dunarea de Jos” University of Galati. Fascicle XI Shipbuilding [Internet]. 4 Dec. 2023 [cited 22 Jan. 2024]; 46:111-24. <https://www.gup.ugal.ro/ugaljournals/index.php/fanship/article/view/6303>.
19. Maimon A. “The use of hydrogen on board ships”. Annals of the “Dunarea de Jos” University of Galati. Fascicle XI Shipbuilding [Internet]. 4 Dec. 2023 [cited 20 Jan. 2024]; 46:47-4. DOI: <https://www.gup.ugal.ro/ugaljournals/index.php/fanship/article/view/6293>. <https://doi.org/10.35219/AnnUgalShipBuilding/2023.46>.
20. Maimon A. “Wind propulsion of ships to decarbonize maritime transport”. Annals of the “Dunarea de Jos” University of Galati. Fascicle XI Shipbuilding [Internet]. 4 Dec. 2023 [cited 20 Jan. 2024]; 46:55-0. DOI: <https://www.gup.ugal.ro/ugaljournals/index.php/fanship/article/view/6294>. <https://doi.org/10.35219/AnnUgalShipBuilding/2023.46>.

| Nr.crt. | Date de identificare articol<br>(Autori, Titlu articol, Volum, pagină / nr. articol)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Denumirea<br>bazei de date                           |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| 1.      | Bekhit, A.; Pacuraru, S. "Numerical Simulation For Predicting The Response Of An Offshore Heavy Lift Barge In Regular And Irregular Waves". The Annals of "Dunarea de Jos" University of Galati Fascicle XI – Shipbuilding. ISSN 1221-4620, e-ISSN 2668-3156, DOI:<br><a href="https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.24">https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.24</a> 2023.<br><a href="https://www.gup.ugal.ro/ugaljournals/index.php/fanship/article/view/6313/5506">https://www.gup.ugal.ro/ugaljournals/index.php/fanship/article/view/6313/5506</a> . | Cambridge Scientific Abstracts                       |
| 2.      | Ivanov, E.O., Ungureanu, C., "Design of a submarine main ballast blowing systems", Annals of "Dunarea de Jos" University Galati. Fascicle XI, Shipbuilding, 2023;                                                                                                                                                                                                                                                                                                                                                                                                                        | Directory Open Access Journal (DOAJ)                 |
| 3.      | Ivanov, E.O., Ungureanu, C., "Design of a submarine main ballast tank flood and vent openings mechanisms", Annals of "Dunarea de Jos" University Galati. Fascicle XI, Shipbuilding, 2023;                                                                                                                                                                                                                                                                                                                                                                                                | EBSCO                                                |
| 4.      | Oprea, C.S., Ungureanu, C., "Mounting and testing technology for a steering gear system with hydraulic cylinders", Annals of "Dunarea de Jos" University Galati. Fascicle XI, Shipbuilding, 2023;                                                                                                                                                                                                                                                                                                                                                                                        | Applied Science & Technology Source (EBSCO)          |
| 5.      | Ana-Maria Tărăbuși, Anișoara - Gabriela Cristea, "The influence of plating with flat bars around technological cutouts on the stress state of a 37500 tdw chemical tanker", The annals of "Dunarea de Jos" University of Galati, fascicle XI - Shipbuilding, ISSN 1221-4620, pag. 61 - 71, e-ISSN 2668-3156. DOI:<br><a href="https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.102023">https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.102023</a> .                                                                                                                             | Applied Science & Technology Source Ultimate (EBSCO) |
| 6.      | Cosmin Mogus, Anișoara - Gabriela Cristea, "Determination of stress state and deformations that can appear in transversal frames of a 48309 dwt bulk carrier", The annals of "Dunarea de Jos" University of Galati, fascicle XI - Shipbuilding, ISSN 1221-4620, pag. 71 - 77, e-ISSN 2668-3156. DOI:<br><a href="https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.102023">https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.102023</a> .                                                                                                                                          | Sciencegate                                          |
| 7.      | Ilie Nicușor - Dănuț, Anișoara - Gabriela Cristea, "Analysis of stress and deformations in the transverse walls of a 50100 tdw tanker", The annals of "Dunarea de Jos" University of Galati, fascicle XI - Shipbuilding, ISSN 1221-4620, pag. 79 - 87, e-ISSN 2668-3156. DOI:<br><a href="https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.102023">https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.102023</a> .                                                                                                                                                                 | Crossref                                             |
| 8.      | Mitrofan, A., Mandru A., Pacuraru F. Study on the position of the bow spray rail of a patrol vessel, Annals of "Dunarea De Jos" University of Galati Fascicle XI – Shipbuilding, 2023, 46, 183-188.<br><a href="https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.23">https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.23</a> .                                                                                                                                                                                                                                                   | Google Scholar                                       |
| 9.      | Ditu, CP., Mandru A., Pacuraru F Effect of distance between the hulls variation on the total resistance of a catamaran, Annals of "Dunarea De Jos" University of Galati Fascicle XI – Shipbuilding, 2023, 46, 175-182.                                                                                                                                                                                                                                                                                                                                                                   | Scientometrics                                       |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                    |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
|     | <a href="https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.22">https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.22</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                    |
| 10. | Carmen Gasparotti, 2023, Ranking the main risks that can lead to the pollution of the marine environment in the Black Sea. The Annals of "Dunarea de Jos" University of Galati, Fascicle XI-Shipbuilding, Galati University Press, ISSN 1221-4620 (CSA, Genamics JournalSeek / WorldCat Knowledge Base, SCIPRO), <a href="https://www.gup.ugal.ro/ugaljournals/index.php/fanship">https://www.gup.ugal.ro/ugaljournals/index.php/fanship</a>                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                    |
| 11. | Razvan Florin Gasparotti, Carmen Gasparotti, 2023. Impact of internal audit activity on risk management within construction organization. Review of Management and Economic Engineering Vol. 22, No. 3(89), September 2023, p. 189 - 208, ISSN (print): 1583-624X, ISSN (online): 2360-2155. <a href="https://www.rmee.org/abstracturi/85/04_Articol_645_.pdf">https://www.rmee.org/abstracturi/85/04_Articol_645_.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Ulrichsweb<br>Ebsco<br>Google Scholar<br>Index Copernicus International<br>Cabell's Directories<br>PBN Polska Bibliografia Naukowa |
| 12. | Domnişoru, L., "On the structural valuation in oblique waves of a large liquefied natural gas carrier by 3D-FEM model approach", ModTech 11 <sup>th</sup> International Conference Modern Technologies in Industrial Engineering, Maritime Engineering and Navigation, 14-17 June 2023, Bucharest (hybrid), Romania, Paper ID: G-4, Section G. Maritime Engineering and Navigation: Maritime Engineering and Technologies, Maritime Transport and Economics, IJMMT - International Journal of Modern Manufacturing Technologies, ISSN 2067-3604, Vol. XV, No. 2 / 2023, pag.200-219, <a href="https://doi.org/10.54684/ijmmt.2023.15.2.200">https://doi.org/10.54684/ijmmt.2023.15.2.200</a> , <a href="http://www.modtech.ro">www.modtech.ro</a> , <a href="https://ijmmt.ro/international-journal-ijmmt/vol15no22023">https://ijmmt.ro/international-journal-ijmmt/vol15no22023</a> . | SCOPUS,<br>Index Copernicus International,<br>IET-INSPEC,                                                                          |
| 13. | Perijoc, D.S., Domnişoru, L., "Structural evaluation of an inland barge structure under fore area grounding impact loads", ModTech 11 <sup>th</sup> International Conference Modern Technologies in Industrial Engineering, Maritime Engineering and Navigation, 14-17 June 2023, Bucharest (hybrid), Romania, Paper ID: G-6, Section G. Maritime Engineering and Navigation: Maritime Engineering and Technologies, Maritime Transport and Economics, IJMMT - International Journal of Modern Manufacturing Technologies, ISSN 2067-3604, Vol. XV, No. 3 / 2023, pag.117-124, <a href="https://doi.org/10.54684/ijmmt.2023.15.3.117">https://doi.org/10.54684/ijmmt.2023.15.3.117</a> , <a href="http://www.modtech.ro">www.modtech.ro</a> , <a href="https://ijmmt.ro/international-journal-ijmmt/vol15no32023">https://ijmmt.ro/international-journal-ijmmt/vol15no32023</a> .       | Google Scholar, China National Knowledge Infrastructure CNKI                                                                       |
| 14. | Domnisoru, L., 2023, "Preliminary hydrodynamic analyses for a river research ship. comparative study of mono-hull and catamaran ship type", Galati Naval Architecture GNA'23, 16 <sup>th</sup> National Conference on Naval Architecture, The Annals of "Dunarea de Jos" University of Galati, Fascicle XI-Shipbuilding, Issue 46(41), ISSN 1221-4620 (Print); ISSN 2668-3156 (Online), pp.39-46, Galati University Press, 2023.                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cambridge Scientific Abstracts<br>Directory Open Access Journal (DOAJ)                                                             |
| 15. | Popa Alexandru, Domnisoru, L., 2023, "On advanced global strength analysis of a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                    |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                               |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
|     | pleasure yacht by user's procedures implemented in FEMAP / NX Nastran", Galati Naval Architecture GNA'23, 16 <sup>th</sup> National Conference on Naval Architecture, The Annals of "Dunarea de Jos" University of Galati, Fascicle XI-Shipbuilding, Issue 46(41), ISSN 1221-4620 (Print); ISSN 2668-3156 (Online), pp.19-30, Galati University Press, 2023.                                                                                                                                                     | EBSCO<br>Applied Science & Technology Source (EBSCO)          |
| 16. | Perijoc, D.S., Domnisoru, L., 2023, "Comparative analysis of seakeeping methods: numerical, software simulation and experimental study", Galati Naval Architecture GNA'23, 16 <sup>th</sup> National Conference on Naval Architecture, The Annals of "Dunarea de Jos" University of Galati, Fascicle XI-Shipbuilding, Issue 46(41), ISSN 1221-4620 (Print); ISSN 2668-3156 (Online), pp.89-96, Galati University Press, 2023.                                                                                    | Applied Science & Technology Source Ultimate (EBSCO)          |
| 17. | Oana-Mirela Jarca, Dumitru-Silviu Perijoc, 2023, "Comparative Static FEA of Equipment Foundations on Marine Vessels: Standard, Stiffened, and Structural Integrated". The Annals of "Dunarea De Jos" University of Galati Fascicle XI – Shipbuilding. ISSN 1221-4620, e-ISSN 2668-3156, 2023, pg.125-132.                                                                                                                                                                                                        | Sciencegate<br>Crossref                                       |
| 18. | Gherghisan M., Bria V., Circiumaru A., Mocanu C.I., Găvan E. "Aluminum, an alternative to GRP for manufacturing of sports boats". Annals of the "Dunarea de Jos" University of Galati. Fascicle XI Shipbuilding [Internet]. 4 Dec. 2023 [cited 22 Jan. 2024]; 46:111-24.<br><a href="https://www.gup.ugal.ro/ugaljournals/index.php/fanship/article/view/6303">https://www.gup.ugal.ro/ugaljournals/index.php/fanship/article/view/6303</a> .                                                                    | Google Scholar<br>Scientometrics                              |
| 19. | Maimon A. "The use of hydrogen on board ships". Annals of the "Dunarea de Jos" University of Galati. Fascicle XI Shipbuilding [Internet]. 4 Dec. 2023 [cited 20 Jan. 2024]; 46:47-4.<br><a href="https://www.gup.ugal.ro/ugaljournals/index.php/fanship/article/view/6293">https://www.gup.ugal.ro/ugaljournals/index.php/fanship/article/view/6293</a> . DOI: <a href="https://doi.org/10.35219/AnnUgalShipBuilding/2023.46">https://doi.org/10.35219/AnnUgalShipBuilding/2023.46</a> .                         | Semantic Scholar<br>Worldcat.org [OLC]                        |
| 20. | Maimon A. "Wind propulsion of ships to decarbonize maritime transport". Annals of the "Dunarea de Jos" University of Galati. Fascicle XI Shipbuilding [Internet]. 4 Dec. 2023 [cited 20 Jan. 2024]; 46:55-0.<br><a href="https://www.gup.ugal.ro/ugaljournals/index.php/fanship/article/view/6294">https://www.gup.ugal.ro/ugaljournals/index.php/fanship/article/view/6294</a> . DOI: <a href="https://doi.org/10.35219/AnnUgalShipBuilding/2023.46">https://doi.org/10.35219/AnnUgalShipBuilding/2023.46</a> . | Genamics JournalSeek<br>Romanian Editorial Platform<br>SCIPIO |

## Citari 2023

**ISI- Web of Science:** (Total number = 72)

| Nr. Crt. | Date de identificare articol<br>(Autori, Titlu, cod DOI articol, Titlul revistei, anul publicării)                                                                         | Citat în                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Nu<br>mar<br>ul<br>de<br>citări |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| 1        | Lungu Adrian, Scale Effects on a Tip Rake Propeller Working in Open Water”, J. Mar. Sci. Eng. 2019, 7, 404.                                                                | <ol style="list-style-type: none"> <li>1. Chen, CW., Chen, X., Zhou, Z. et al. Scale Effect of a Kappel Tip-Rake Propeller. J. Marine. Sci. Appl. 22, 421–434 (2023). <a href="https://doi.org/10.1007/s11804-023-00359-1">https://doi.org/10.1007/s11804-023-00359-1</a></li> <li>2. Liu, B., Vanierschot, M., Buysschaert, F., Numerical study of scale effects on the open water performance of a rim-driven thruster, Applied Ocean Research, Volume 138, 2023, 103667, <a href="https://doi.org/10.1016/j.apor.2023.103667">https://doi.org/10.1016/j.apor.2023.103667</a></li> <li>3. Chen, C.-W.; Chen, X.-P.; Zhou, Z.-Y.; Chen, L.-W.; Zhang, C.; Zheng, T.-J.; Li, H.-M. Effect of Tip Rake Distribution on the Hydrodynamic Performance of Non-Planar Kappel Propeller. J. Mar. Sci. Eng. 2023, 11, 748. <a href="https://doi.org/10.3390/jmse11040748">https://doi.org/10.3390/jmse11040748</a></li> <li>4. Jeong, K.-L.; Park, S.; Jeong, S.-M. Enhancement of the Robustness on Advancing Layer Method with Trimmed Hexahedral Volume Mesh for the Generation of the Boundary Layer Grids. J. Mar. Sci. Eng. 2023, 11, 454. <a href="https://doi.org/10.3390/jmse11020454">https://doi.org/10.3390/jmse11020454</a></li> </ol> | 4                               |
| 2        | Lungu A. “Numerical Simulation of the Resistance and Self-Propulsion Model Tests”, J. Offshore Mech. Arct. Eng, 2020, vol.142 (2), art. no. 021905, DOI: 10.1115/1.4045332 | <ol style="list-style-type: none"> <li>1. Zhen Su, Xiyuan Zhang, Yao Yao, Dapeng Zhu &amp; Jingqi Fu (2023) Mathematic modeling and CFD simulation of the sedimentation process in a TSHD, Marine Georesources &amp; Geotechnology, 41:5, 461-475, <a href="https://doi.org/10.1080/1064119X.2022.2059421">https://doi.org/10.1080/1064119X.2022.2059421</a></li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                               |
| 3        | Lungu A. A DES-SST Based Assessment of Hydrodynamic Performances of the Wetted and Cavitating PPTC Propeller”, J. Mar. Sci. Eng. 2020, 142, 021905.                        | <ol style="list-style-type: none"> <li>1. Gaggero, S. Influence of Laminar-to-Turbulent Transition on the Model Scale Propeller Performance and Induced Pressure Pulses in an Unsteady Case of Oblique Flow. J. Marine. Sci. Appl. 22, 199–218 (2023). <a href="https://doi.org/10.1007/s11804-023-00334-w">https://doi.org/10.1007/s11804-023-00334-w</a></li> <li>2. Zhen Su, Xiyuan Zhang, Yao Yao, Dapeng Zhu &amp; Jingqi Fu (2023) Mathematic modeling and CFD simulation of the sedimentation process in a TSHD, Marine Georesources &amp; Geotechnology, 41:5, 461-475, <a href="https://doi.org/10.1080/1064119X.2022.2059421">https://doi.org/10.1080/1064119X.2022.2059421</a></li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2                               |

|   |                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|   |                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |
| 4 | Lungu A. Energy-Saving Devices in Ship Propulsion: Effects of Nozzles Placed in Front of Propellers”, J. Mar. Sci. Eng. 2021, 142, 021905.                                                    | <ol style="list-style-type: none"> <li>1. Tadros, M., Ventura, M., Guedes Soares, C., Technologies, and future trends in the green shipping industry, Ocean Engineering, Volume 280, 2023, 114670, <a href="https://doi.org/10.1016/j.oceaneng.2023.114670">https://doi.org/10.1016/j.oceaneng.2023.114670</a></li> <li>2. Tadros, M.; Ventura, M.; Guedes Soares, C. Review of the Decision Support Methods Used in Optimizing Ship Hulls towards Improving Energy Efficiency. J. Mar. Sci. Eng. 2023, 11, 835. <a href="https://doi.org/10.3390/jmse11040835">https://doi.org/10.3390/jmse11040835</a>.</li> <li>3. Chunyu Guo, Chun Yang, Cong Sun, Chao Wang, Hua-Dong Yao, Jianfeng Lin; Influence of jet flow on hydrodynamic performance of a ducted propeller. Physics of Fluids 1 December 2023; 35 (12): 125120. <a href="https://doi.org/10.1063/5.0175516">https://doi.org/10.1063/5.0175516</a></li> <li>4. P. Anschau, N. Kornev, S. Samarbakhsh, Unsteady hydrodynamic loads on energy saving ducts, Ocean Engineering, Volume 269, 2023, 113431, <a href="https://doi.org/10.1016/j.oceaneng.2022.113431">https://doi.org/10.1016/j.oceaneng.2022.113431</a>.</li> </ol> | 4 |
| 5 | Lungu A. “A DES-based computation of the flow around the DARPA suboff”, IOP Conference Series, 591 (1), art. no. 012053.                                                                      | <ol style="list-style-type: none"> <li>1. Guo, H., Li, G., Du, L., Investigation on the flow around a submarine under the rudder deflection condition by using URANS and DDES methods, Applied Ocean Research, Volume 131, 2023, 103448, <a href="https://doi.org/10.1016/j.apor.2022.103448">https://doi.org/10.1016/j.apor.2022.103448</a></li> <li>2. Zheku, V.V.; Villa, D.; Piaggio, B.; Gaggero, S.; Viviani, M. Assessment of Numerical Captive Model Tests for Underwater Vehicles: The DARPA SUB-OFF Test Case. J. Mar. Sci. Eng. 2023, 11, 2325. <a href="https://doi.org/10.3390/jmse11122325">https://doi.org/10.3390/jmse11122325</a></li> <li>3. Permadi, N. V. A., Chen, J. H., Sugianto, E., Influence of Full and Symmetrical Domains on the Numerical Flow around a SUBOFF Submarine Model using OpenFOAM, Journal of Applied Fluid Mechanics, Vol.16(5), pp. 1017-1029, doi:10.47176/jafm.16.05.1513</li> </ol>                                                                                                                                                                                                                                                       | 3 |
| 6 | Ungureanu C, Lungu A. “Numerical studies on free surface flow around a hydrofoil mounted on a plate”, AIP Conference Proceedings, American Institute of Physics (2010), pp. 115-118 citat in: | <ol style="list-style-type: none"> <li>1. Shi, Y., Gao, S., Pan, G., Quan, X., RANS/LES investigation on the performance of air film fusion around a vertically launched underwater vehicle, Ocean Engineering, Volume 266, Part 2, 2023, 112880, <a href="https://doi.org/10.1016/j.oceaneng.2022.112880">https://doi.org/10.1016/j.oceaneng.2022.112880</a>.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1 |
| 7 | Lungu A. “Numerical Investigation of the 6-DOF Seakeeping Performances of the KCS Containership”, J. Mar. Sci. Eng. 2022, 10, 1397.                                                           | <ol style="list-style-type: none"> <li>1. Irannezhad, M., Bensow, R. E., Kjellberg, M., Eslamdoost, A., Comprehensive computational analysis of the impact of regular head waves on ship bare hull performance, Ocean Engineering, Volume 288, Part 2, 2023, 116049, <a href="https://doi.org/10.1016/j.oceaneng.2023.116049">https://doi.org/10.1016/j.oceaneng.2023.116049</a>.</li> <li>2. Yu, J., Yao, C., Wang, J., Liu, L., Dong, G., Zhang, Z., Numerical study on motion responses and added resistance for surge-free</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 |

|    |                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|    | <a href="https://doi.org/10.3390/jmse10101397">https://doi.org/10.3390/jmse10101397</a> .                                                                                                    | <p>KCS in head and oblique waves based on the functional decomposition method, Ocean Engineering, Volume 285, Part 1, 2023, 115300, <a href="https://doi.org/10.1016/j.oceaneng.2023.115300">https://doi.org/10.1016/j.oceaneng.2023.115300</a>.</p> <p>3. Trimulyono, A.; Fuadi, M.A.; Zakki, A.F.; Mursid, O.; Iqbal, M. Design of Anti-Capsize Ship for Patrol Vessel with the Self-Righting Moment. J. Mar. Sci. Eng. 2023, 11, 133, <a href="https://doi.org/10.3390/jmse11010133">https://doi.org/10.3390/jmse11010133</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |
| 8  | Bekhit A., Lungu A. "URANSE simulation for the Seakeeping of the KVLCC2 Ship Model in Short and Long Regular Head Waves", IOP Conf. Ser. Mater. Sci. Eng. 2019, 591, 012102.                 | <p>1. Bhatia, M., Das, N., Dutta, P., Chattopadhyay, H., Numerical analysis on the seakeeping performances of a full-scale container ship hull using strip theory. Physics of Fluids 1 November 2023; 35 (11): 114106. <a href="https://doi.org/10.1063/5.0172626">https://doi.org/10.1063/5.0172626</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1 |
| 9  | Bekhit A., Lungu A. "Numerical free roll decay prediction for the DTMB hull", 2019, AIP Conference Proceedings, vol. 2116, 450050.                                                           | <p>1. Bekhit, A., Popescu, F. "URANSE-based numerical prediction for the free roll decay of the DTMB ship model", Journal of Marine Science and Engineering, 9(5),452, <a href="https://doi.org/10.3390/jmse9050452">https://doi.org/10.3390/jmse9050452</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 |
| 10 | Lungu A. "Overall performances of a propeller operating near the free surface", 2020 IOP Conference Series, Vol. 916(1), 012054                                                              | <p>1. Haoyu Li, Jiangang Feng, Yuan Zheng, Hui Xu, Huixiang Chen, Maxime Binama, Kan Kan; A computational method for complex-shaped hydraulic turbomachinery flow based on the immersed boundary method. AIP Advances 1 August 2023; 13 (8): 085121. <a href="https://doi.org/10.1063/5.0165357">https://doi.org/10.1063/5.0165357</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1 |
| 11 | Lungu A. "Large Flow Separations around a Generic Submarine in Static Drift Motion Resolved by Various Turbulence Closure Models", Journal of Marine Science and Engineering 10, no. 2: 198. | <p>1. Zheku, V.V.; Villa, D.; Piaggio, B.; Gaggero, S.; Viviani, M. Assessment of Numerical Captive Model Tests for Underwater Vehicles: The DARPA SUB-OFF Test Case. J. Mar. Sci. Eng. 2023, 11, 2325. <a href="https://doi.org/10.3390/jmse11122325">https://doi.org/10.3390/jmse11122325</a>.</p> <p>2. Nikushchenko, D.; Stepin, A.; Nikitina, E.; Tryaskin, N.; Makovsky, A.; Kornishin, K.; Efimov, Y. A Simplified Method of Iceberg Hydrodynamic Parameter Prediction. Water 2023, 15, 1843. <a href="https://doi.org/10.3390/w15101843">https://doi.org/10.3390/w15101843</a>.</p> <p>3. Di Zhang, Jianyu Zhang, Tiezhi Sun, Yichen Jiang; Ventilated cavity dynamics of an axisymmetric body under the influence of a structure. Physics of Fluids 1 May 2023; 35 (5): 055112. <a href="https://doi.org/10.1063/5.0147279">https://doi.org/10.1063/5.0147279</a>.</p> <p>4. Kareem Khan, Md., Korulla, M., Nagarajan, V., Sha, O.P. Steady velocity measurements in the stern wake of submarine hull form at high angles of incidence, Ocean Engineering, Volume 277, 2023, 114281, <a href="https://doi.org/10.1016/j.oceaneng.2023.114281">https://doi.org/10.1016/j.oceaneng.2023.114281</a>.</p> | 6 |

|    |                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|    |                                                                                                                                                                                     | <ol style="list-style-type: none"> <li>5. Cihad Delen, Omer Kemal Kinaci, Direct CFD simulations of standard maneuvering tests for DARPA Suboff, Ocean Engineering, Volume 276, 2023, 114202, <a href="https://doi.org/10.1016/j.oceaneng.2023.114202">https://doi.org/10.1016/j.oceaneng.2023.114202</a>.</li> <li>6. Haipeng Guo, Guangnian Li, Lin Du, Investigation on the flow around a submarine under the rudder deflection condition by using URANS and DDES methods, Applied Ocean Research, Volume 131, 2023, 103448, <a href="https://doi.org/10.1016/j.apor.2022.103448">https://doi.org/10.1016/j.apor.2022.103448</a>.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |
| 12 | Lungu A. "A DES-based Study of the Flow around the Self-propelled DARPA Suboff Working in DeepImmersion and beneath the Free-surface", Ocean Engineering, Volume 244, 2022, 110358. | <ol style="list-style-type: none"> <li>1. Qing Chen, Yimin Xuan, Qunqing Lin, Yuge Han, Kai Wei, Evolutions of hydrodynamic and electromagnetic wakes induced by underwater vehicles, Applied Ocean Research, Volume 140, 2023, 103750, <a href="https://doi.org/10.1016/j.apor.2023.103750">https://doi.org/10.1016/j.apor.2023.103750</a>.</li> <li>2. Mohammad Rostamzadeh-Renani, Reza Rostamzadeh-Renani, Mohammadreza Baghoolizadeh, Narjes Khabazian Azarkhavarani, The effect of vortex generators on the hydrodynamic performance of a submarine at a high angle of attack using a multi-objective optimization and computational fluid dynamics, Ocean Engineering, Volume 282, 2023, 114932, <a href="https://doi.org/10.1016/j.oceaneng.2023.114932">https://doi.org/10.1016/j.oceaneng.2023.114932</a>.</li> <li>3. Minmin Zheng, Yadong Liu, Youjiang Wang, Yanping He, Simulation and experimental research on hydrodynamic performance of fully attached submarine in the surface and near the surface modes, Ocean Engineering, Volume 281, 2023, 114785, <a href="https://doi.org/10.1016/j.oceaneng.2023.114785">https://doi.org/10.1016/j.oceaneng.2023.114785</a>.</li> <li>4. Cihad Delen, Omer Kemal Kinaci, Direct CFD simulations of standard maneuvering tests for DARPA Suboff, Ocean Engineering, Volume 276, 2023, 114202, <a href="https://doi.org/10.1016/j.oceaneng.2023.114202">https://doi.org/10.1016/j.oceaneng.2023.114202</a>.</li> <li>5. Yonghui Liu, Haonan Zhe, Yu Xue, Junzhe Tan, Peng Yuan, Qin Zhang; Effects of vortex generator on the hydrodynamic characteristics of hydrofoil and horizontal axis tidal turbine. Physics of Fluids 1 March 2023; 35 (3): 035104. <a href="https://doi.org/10.1063/5.0137951">https://doi.org/10.1063/5.0137951</a>.</li> </ol> | 5 |
| 13 | Lungu A. "Overall performances of a propeller operating near the free surface", IOP Conference Series Materials Science and Engineering, Volume 916, 2020, 012054                   | <ol style="list-style-type: none"> <li>1. Haoyu Li, Jiangang Feng, Yuan Zheng, Hui Xu, Huixiang Chen, Maxime Binama, Kan Kan; A computational method for complex-shaped hydraulic turbomachinery flow based on the immersed boundary method. AIP Advances 1 August 2023; 13 (8): 085121. <a href="https://doi.org/10.1063/5.0165357">https://doi.org/10.1063/5.0165357</a>.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1 |
| 14 | Lungu A. "Numerical Simulation of the Squatting of Floating Bodies Moving in                                                                                                        | <ol style="list-style-type: none"> <li>1. Shaojuan Su, Yujie Wu, Yeping Xiong, Fangxin Guo, Haibo Liu, Qixiang Cheng, Experiment and numerical simulation study on resistance performance of the shallow-water seismic survey vessel, Ocean Engineering, Volume 279, 2023, 113889,</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1 |

|    |                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|    | Shallow Water”,<br>Procedia<br>Manufacturing,<br>Volume 46, pp. 432-<br>439, 2020.                                                                                                                                                                                                                                                                                    | <a href="https://doi.org/10.1016/j.oceaneng.2023.113889">https://doi.org/10.1016/j.oceaneng.2023.113889</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |
| 15 | Bekhit A. Lungu A.,<br>“Numerical Simulation<br>for Predicting Ship<br>Resistance and Vertical<br>Motions in Regular<br>Head Waves”,<br>Proceedings of the<br>ASME International<br>Conference on Ocean<br>Offshore and Arctic<br>Engineering, 2019, vol.<br>2, UNSP V002T08A009                                                                                      | <ol style="list-style-type: none"> <li>1. Chiroasca, A.-M.; Medina, A.; Pacuraru, F.; Saettone, S.; Rusu, L.; Pacuraru, S. Experimental and Numerical Investigation of the Added Resistance in Regular Head Waves for the DTC Hull. J. Mar. Sci. Eng. 2023, 11, 852. <a href="https://doi.org/10.3390/jmse11040852">https://doi.org/10.3390/jmse11040852</a>.</li> <li>2. Mohammed Bhatia, Nachiketa Das, Prasun Dutta, Himadri Chattopadhyay; Numerical analysis on the seakeeping performances of a full-scale container ship hull using strip theory. Physics of Fluids 1 November 2023; 35 (11): 114106. <a href="https://doi.org/10.1063/5.0172626">https://doi.org/10.1063/5.0172626</a>.</li> </ol>                                                                                                                                                                                              | 2 |
| 16 | Gasparotti, C.;<br>Domnisoru, L.;<br>Popescu, G.;<br>Amoraritei, M.<br>“Maritime operation<br>safety assessment,<br>using seakeeping<br>criteria, of an offshore<br>barge in the Caspian<br>Sea”, 16 <sup>th</sup> International<br>Multidisciplinary<br>Scientific<br>GeoConference SGEM,<br>Albena, Bulgaria, 30<br>June–6 July 2016.                               | <ol style="list-style-type: none"> <li>1. Ana Maria Chiroșcă, A., M., Medina, A., M., Pacuraru, F., Pacuraru, S., “ Experimental and Numerical Investigation of the Added Resistance in Regular Head Waves for the DTC Hull”, Journal of Marine Science and Engineering, April 2023.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 |
| 17 | Bekhit A., 2018,<br>“Numerical Simulation<br>of The Ship Self-<br>propulsion Prediction<br>using Body Force<br>Method and Fully<br>Discretized Propeller<br>Model”, Proceedings of<br>the 6th Modern<br>Technology in<br>Industrial Engineering<br>Conference, MODTECH<br>2018, 13–16 June,<br>Constanța, Romania.<br>IOP Conference Series:<br>Materials Science and | <ol style="list-style-type: none"> <li>1. Villa, D.; Tani, G.; Gaggero, S.; Ferrando, M.; Ausonio, P.; Travi, P.; Viviani M. 2023. “A comprehensive analysis of a numerical self-propulsion procedure for high-speed marine vehicles”. <i>Ocean Eng.</i> <b>287</b>(2023)115766. pp. 1–17. <a href="https://www.sciencedirect.com/science/article/pii/S0029801823021509">https://www.sciencedirect.com/science/article/pii/S0029801823021509</a></li> <li>2. Xie, C.; Zhou, L.; Ding, S.; Lu, M.; Zhou, X. 2023. “Research on self-propulsion simulation of a polar ship in a brash ice channel based on body force model”. <i>International Journal of Naval Architecture and Ocean Engineering.</i> <b>15</b>(2023)100557. pp. 1–13. <a href="https://www.sciencedirect.com/science/article/pii/S2092678223000468">https://www.sciencedirect.com/science/article/pii/S2092678223000468</a></li> </ol> | 2 |

|    |                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|    | Engineering 400(2018) 042004. DOI: 10.1088/1757-899X/400/4/042004, WOS:000461147400076, <a href="http://iopscience.iop.org/article/10.1088/1757-899X/400/4/042004/pdf">http://iopscience.iop.org/article/10.1088/1757-899X/400/4/042004/pdf</a> .                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |
| 18 | Pacuraru, F.; Mandru, A.; Bekhit, A. "CFD Study on Hydrodynamic Performances of a Planing Hull". <i>Journal of Marine Science and Engineering</i> 2022, <b>10</b> , 1523. <a href="https://doi.org/10.3390/jmse10101523">https://doi.org/10.3390/jmse10101523</a> . | <ol style="list-style-type: none"> <li>1. Zan, L.R.; Sun, H.B.; Zou, J.; Cang, J.Y.; Wan, L. 2023. "Study on the effect of near-wall grid on numerical prediction of resistance for planing trimaran". <i>Ocean Engineering</i>. <b>287</b>(2023) 115733. pp. 1–14. <a href="https://www.sciencedirect.com/science/article/pii/S0029801823021170">https://www.sciencedirect.com/science/article/pii/S0029801823021170</a>.</li> <li>2. Sulman, M.; Mancini, S.; Bilandi, R.N. Numerical Investigation of Single and Double Steps in Planing Hulls. <i>J. Mar. Sci. Eng.</i> 2024, <b>12</b>, 614. <a href="https://doi.org/10.3390/jmse12040614">https://doi.org/10.3390/jmse12040614</a>.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2 |
| 19 | Spiru Paraschiv, Lizica Simona Paraschiv, Alexandru Serban, Anisoara Gabriela Cristea. "Assessment of onshore wind energy potential under temperate continental climate conditions", <i>Energy Reports</i> Volume 8, Supplement 5, August 2022, Pages 251-258.      | <ol style="list-style-type: none"> <li>1. Paraschiv, S. "Analysis of the variability of low-carbon energy sources, nuclear technology and renewable energy sources, in meeting electricity demand", Open Access, October 2023, <i>Energy Reports</i> 9, pp. 276-283. <a href="http://dx.doi.org/10.1016/j.egyr.2023.09.008">http://dx.doi.org/10.1016/j.egyr.2023.09.008</a>.</li> <li>2. Paraschiv, L.S., Paraschiv, S. "Contribution of renewable energy (hydro, wind, solar and biomass) to decarbonization and transformation of the electricity generation sector for sustainable development", Open Access, September 2023, <i>Energy Reports</i> 9, pp. 535-544. <a href="https://doi.org/10.1016/j.egyr.2023.07.024">https://doi.org/10.1016/j.egyr.2023.07.024</a>.</li> <li>3. Yildiz, S.S. "Determining Wind Energy Potential Using Geographic Information System Functions: A Case Study in Balikesir, Turkey", Open Access, , August 2023, <i>Applied Sciences</i> (Switzerland), 13 (16), art. No. 9183. <a href="http://dx.doi.org/10.3390/app13169183">http://dx.doi.org/10.3390/app13169183</a>.</li> <li>4. Molake, A., Zhang, R., Zhou, Y. "Multi-Objective Optimization of Daylight Performance and Thermal Comfort of Enclosed-Courtyard Rural Residence in a Cold Climate Zone, China", Open Access, May 2023, <i>Sustainability</i> (Switzerland), 15 (10), art. No. 7953. <a href="http://dx.doi.org/10.3390/su15107953">http://dx.doi.org/10.3390/su15107953</a>.</li> <li>5. Kolesnik, S., Rabinovitz, Y., Byalsky, M., Yahalom, A., Kuperman, A. "Assessment of Wind Speed Statistics in Samaria Region and Potential Energy Production", Open Access, May 2023,</li> </ol> | 8 |

|    |                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|    |                                                                                                                                                                                                                                                                                            | <p>Energies, 16 (9), art. No. 3892. <a href="http://dx.doi.org/10.3390/en16093892">http://dx.doi.org/10.3390/en16093892</a>.</p> <p>6. Spasova, D., Argirov, Y., Petrov, P., Mechkarova, T. "Study of the Behavior and the Mechanical Properties of Adhesively Bonded Polymer Matrix Composites Under Mechanical Loading", Open Access, February 2023, TEM Journal, 12 (1), pp. 36-42 <a href="http://dx.doi.org/10.18421/TEM121-05">http://dx.doi.org/10.18421/TEM121-05</a>.</p> <p>7. Akporhonor, G.K., Otuagoma, S.O., Akporhonor, T.A. "Wind Energy Assessment: Data Retrieval, Periodicity, and Time Series", June 2023, Wind Engineering. <a href="https://doi.org/10.1177/0309524X231206">https://doi.org/10.1177/0309524X231206</a>.</p> <p>8. Akporhonor, G.K., Otuagoma, S.O., Akporhonor, T.A. "Nigerian wind energy status", November 2023 Wind Engineering. <a href="http://dx.doi.org/10.1177/0309524X231206559">http://dx.doi.org/10.1177/0309524X231206559</a>.</p> |   |
| 20 | <p>Mandru A., Florin P. "The effect of appendages on ship resistance". 2021 IOP Conf. Ser.: Mater. Sci. Eng. 1182 012041. <a href="https://iopscience.iop.org/article/10.1088/1757-899X/1182/1/012041/pdf">https://iopscience.iop.org/article/10.1088/1757-899X/1182/1/012041/pdf</a>.</p> | <p>1. Cihad Delen, Sakir Bal, "A comprehensive experimental investigation of total drag and wave height of ONR Tumblehome, including uncertainty analysis", Ocean Engineering, Volume 284, 2023, 115232, ISSN 0029-8018, <a href="https://doi.org/10.1016/j.oceaneng.2023.115232">https://doi.org/10.1016/j.oceaneng.2023.115232</a>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1 |
| 21 | <p>Caramatescu, A., &amp; Mocanu, C. I. (2019). Review of composite materials applications in marine industry. Annals of "Dunarea de Jos" University of Galati. Fascicle XI Shipbuilding, 42, 169-174.</p>                                                                                 | <p>1. Ojha, S., Bisaria, H., Mohanty, S., &amp; Kanny, K. (2024). Experimental investigation on mechanical performance of PVC foam-based E-glass isophthalic polyester composites. Polymer Composites, 45(2), 1762-1775. <a href="https://4spepublications.onlinelibrary.wiley.com/doi/abs/10.1002/pc.27888">https://4spepublications.onlinelibrary.wiley.com/doi/abs/10.1002/pc.27888</a>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1 |
| 22 | <p>Pacuraru, F., Domnisoru, L., &amp; Pacuraru, S. (2020). On the comparative seakeeping analysis of the full scale KCS by several hydrodynamic approaches. Journal of Marine Science and Engineering, 8(12), 962.</p>                                                                     | <p>1. Yu, J., Yao, C., Wang, J., Liu, L., Dong, G., &amp; Zhang, Z. (2023). Numerical study on motion responses and added resistance for surge-free KCS in head and oblique waves based on the functional decomposition method. Ocean Engineering, 285, 115300. <a href="https://doi.org/10.1016/j.oceaneng.2023.115300">https://doi.org/10.1016/j.oceaneng.2023.115300</a>.</p> <p>2. Capasso, S., Tagliafierro, B., Mancini, S., Martínez-Estévez, I., Altomare, C., Domínguez, J. M., &amp; Viccione, G. (2023). Regular wave seakeeping analysis of a planing hull by smoothed particle hydrodynamics: A Comprehensive Validation. Journal of Marine Science and Engineering, 11(4), 700. <a href="https://doi.org/10.3390/jmse11040700">https://doi.org/10.3390/jmse11040700</a>.</p> <p>3. Bhatia, M., Das, N., Dutta, P., &amp; Chattopadhyay, H. (2023).</p>                                                                                                                 | 3 |

|    |                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|    |                                                                                                                                                                                                                                                           | Numerical analysis on the seakeeping performances of a full-scale container ship hull using strip theory. Physics of Fluids, 35(11). <a href="https://doi.org/10.1063/5.0172626">https://doi.org/10.1063/5.0172626</a> .                                                                                                                                                                                                                                                                                                                                                                                                                  |   |
| 23 | Burlacu, E., Pacuraru, F., & Domnisoru, L. (2016). On the Development of Design Software for Floating Dock Units Operating Capabilities Analysis. Mechanical Testing and Diagnosis, 6(3), 22-34.                                                          | 1. Zhang, J., Wen, X., Kniat, A., & Ong, M. C. (2024). A comparative analysis of numerically simulated and experimentally measured static responses of a floating dock. Ships and Offshore Structures, 1-18. <a href="https://doi.org/10.1080/17445302.2024.2336670">https://doi.org/10.1080/17445302.2024.2336670</a> .                                                                                                                                                                                                                                                                                                                  | 1 |
| 24 | Chirosca, A. M., Medina, A., Pacuraru, F., Saettone, S., Rusu, L., & Pacuraru, S. (2023). Experimental and Numerical Investigation of the Added Resistance in Regular Head Waves for the DTC Hull. Journal of Marine Science and Engineering, 11(4), 852. | 1. Martić, I., Degiuli, N., & Grlj, C. G. (2023). Prediction of added resistance of container ships in regular head waves using an artificial neural network. Journal of marine science and engineering, 11(7), 1293. <a href="https://doi.org/10.3390/jmse11071293">https://doi.org/10.3390/jmse11071293</a> .<br>2. Shih, Y. C., Tzeng, Y. A., Cheng, C. W., & Huang, C. H. (2023). Speed Optimization in Bulk Carriers: A Weather-Sensitive Approach for Reducing Fuel Consumption. Journal of Marine Science and Engineering, 11(10), 2000. <a href="https://doi.org/10.3390/jmse11102000">https://doi.org/10.3390/jmse11102000</a> . | 2 |
| 25 | Popescu Gabriel, Carmen Gasparotti, 2022. SWOT-AHP hybrid method for ranking the strategies in the shipbuilding sector. Journal of Business Economics and Management, WOS:000809969800003                                                                 | 1. Sun, MH; Jia, YW; (...); Zhu, JX. 2023. Exploring the Green-Oriented Transition Process of Ship Power Systems:A Patent Based Overview on Innovation Trends and Patterns. Energies, 16 (6). <a href="https://www.webofscience.com/wos/woscc/summary/8c6c72fc-fa79-408b-9e66-03ce9377dc1f-c5c43bab/date-descending/1">https://www.webofscience.com/wos/woscc/summary/8c6c72fc-fa79-408b-9e66-03ce9377dc1f-c5c43bab/date-descending/1</a> .                                                                                                                                                                                               | 1 |
| 26 | Turcanu Andra Luciana Marcu, Carmen Gasparotti, Eugen Rusu, 2021. Green fuels — A new challenge for marine industry. Energy Reports, Volume 7, Supplement 3, pg. 127-132, <a href="https://doi.org/10.1016">https://doi.org/10.1016</a>                   | 1. Wu, EZ; Xu, CS; (...); Oppong, F. 2023. Cellularization and intrinsic instability characteristics of 2-methylfuran spherical expanding flame. ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 46 (1), pp.964-985; DOI10.1080/15567036.2023.2294159 ; FI-2,9<br>2. Strantzali, E; Livanos, GA and Aravossis, K, 2023. A Comprehensive Multicriteria Evaluation Approach for Alternative Marine Fuels. Energies, 16 (22); DOI10.3390/en16227498; FI-3,2<br>3. Moshiul, AM; Mohammad, R and Hira, FA, 2023. Alternative Fuel Selection Framework toward Decarbonizing Maritime                                      | 3 |

|    |                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|    | /j.egyr.2021.06.020,<br>WOS:000709730700018                                                                                                                                                                                                                                                                                                                                    | Deep-Sea Shipping, SUSTAINABILITY, 15 (6); DOI<br>1. 10.3390/su15065571;                                                                                                                                                                                                                                                                                                                                                                                                                               |   |
| 27 | Catalin Anton, Carmen Gasparotti, Iulia Anton, Eugen Rusu, 2020, Implementation of a Coastal Management Model at Kinvara Bay in the North Atlantic Ocean, Mar. Sci. Eng., 8(2), 71:1-15                                                                                                                                                                                        | 1. Barceló, M; Vargas, CA and Gelcich, S. 2023. Land-Sea Interactions and Ecosystem Services: Research Gaps and Future Challenges, SUSTAINABILITY 15 (10); DOI 10.3390/su15108068; FI-3,9.<br><a href="https://www.webofscience.com/wos/woscc/summary/989e8f39-d6a4-47d0-914f-f348ddbba64e-c5c6f65a/date-descending/1">https://www.webofscience.com/wos/woscc/summary/989e8f39-d6a4-47d0-914f-f348ddbba64e-c5c6f65a/date-descending/1</a> .                                                            | 1 |
| 28 | Vasile Rata, Carmen Gasparotti and Liliana Rusu. 2018, Ballast Water Management in the Black Sea's Ports. Mar. Sci. Eng. 6 (2), 69; <a href="https://doi.org/10.3390/jmse6020069">https://doi.org/10.3390/jmse6020069</a> , WOS000436558500041                                                                                                                                 | 1. Dong, KR; Xu, YL; (...); Wu, HX. 2023. Study on the effectiveness of membrane separation + N2 deoxidation process for the treatment of bacteria in ballast water. MARINE POLLUTION BULLETIN, 188, DOI 10.1016/j.marpolbul.2023.114652. <a href="https://www.webofscience.com/wos/woscc/summary/77713ddf-6f35-4333-beec-2a74bcca4e0-c6129bdf/date-descending/1">https://www.webofscience.com/wos/woscc/summary/77713ddf-6f35-4333-beec-2a74bcca4e0-c6129bdf/date-descending/1</a> .                  | 1 |
| 29 | Carmen Gasparotti, E. Rusu, 2012, Methods for the Risk Assessment in Maritime Transportation in the Black Sea Basin, Journal of Environmental Protection and Ecology (JEPE), vol.13, no.3A, pg.1751-1759, ISSN 1311-5065, <a href="http://www.jepe-journal.info/journal-content/vol13-no-3a">http://www.jepe-journal.info/journal-content/vol13-no-3a</a> , WOS000313926300013 | 1. Kim, DJ; Sur, JM and Cho, HU. 2023. A long term expected risk estimation of maritime accidents through Markov chain approach and probabilistic risk matrix. ASIAN JOURNAL OF SHIPPING AND LOGISTICS 39 (3) , pp.1-12. DOI 10.1016/j.ajsl.2023.04.002. <a href="https://www.webofscience.com/wos/woscc/summary/618fa83f-dbf1-4f77-af5b-9ae51c234119-b663b821/date-descending/1">https://www.webofscience.com/wos/woscc/summary/618fa83f-dbf1-4f77-af5b-9ae51c234119-b663b821/date-descending/1</a> . | 1 |
| 30 | Angela Ivan, Carmen Gasparotti, E. Rusu, 2012, Influence of the Interactions Between Waves and Currents on the Navigation at the Entrance of the                                                                                                                                                                                                                               | 1. Xu, JY; Gong, JY; (...); Li, YB, 2023. Integrating k-means Clustering and LSTM for Enhanced Ship Heading Prediction in Oblique Stern Wave, JOURNAL OF MARINE SCIENCE AND ENGINEERING 11 (11), DOI 10.3390/jmse11112185.<br>2. Chen, P; Chen, HR; (...); Cai, MG, 2023. Quantitative assessment of the response of seawater environmental quality to marine protection policies under regional economic                                                                                              | 1 |

|    |                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                            |   |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|    | Danube Delta, Journal of Environmental Protection and Ecology (JEPE), vol.13, no. 3A, pg. 1673-1682, ISSN 1311-5065, <a href="http://www.jepejournal.info/journal-content/vol13-no-3a">http://www.jepejournal.info/journal-content/vol13-no-3a</a> .                                                                                                                                      | development-A case study of Xiamen Bay, China, MARINE ENVIRONMENTAL RESEARCH, 186, DOI 10.1016/j.marenvres.2023.105934                                                                                                                                                                                                                                                                     |   |
| 31 | Carmen Gasparotti, Leonard Domnisoru, Gabriel Popescu, Mihaela Amoraritei, 2016, Maritime Operation Safety Assessment, Using Seakeeping Criteria, of an Offshore Barge in the Caspian Sea, Conference Proceedings Albena, Bulgaria, Water Resources. Forest, Maritime and Ocean Ecosystem, vol. II, pp.783-790, ISBN 978-7105-04-9, WOS:0003916535000102,doi:10.5593/SGEM2016/B32/S15.102 | <ol style="list-style-type: none"> <li>1. Chiroasca, AM; Medina, A; (...); Pacuraru, S. 2023. Experimental and Numerical Investigation of the Added Resistance in Regular Head Waves for the DTC Hull, JOURNAL OF MARINE SCIENCE AND ENGINEERING 11 (4), DOI 10.3390/jmse11040852.</li> </ol>                                                                                              | 1 |
| 32 | Praisler, M.; Domnisoru, D.; Domnisoru, L. Chemometric method for the automated identification of Cucuteni ceramics based on ATR-FTIR spectra. Eur. J. Sci. Theol. 2013, 9, 249–256.                                                                                                                                                                                                      | <ol style="list-style-type: none"> <li>1. Bruni, S.; Longoni, M.; De Filippi, F.; Calore, N.; Bagnasco Gianni, G. External Reflection FTIR Spectroscopy Applied to Archaeological Pottery: A Non-Invasive Investigation about Provenance and Firing Temperature. Minerals 2023, 13, 1211. <a href="https://doi.org/10.3390/min13091211">https://doi.org/10.3390/min13091211</a></li> </ol> | 1 |
| 33 | Burlacu, E.; Domnisoru, L. Strength investigation of a small size floating dock unit by 3DFEM models in head design waves. IOP Conf. Ser. Mater. Sci.                                                                                                                                                                                                                                     | <ol style="list-style-type: none"> <li>1. Szelangiewicz, T.; Żelazny, K.; Sobków, S. An Innovative and Environmentally Friendly System for Moving and Stabilising a Floating Dock in Position during Docking Operations. Energies 2023, 16, 7854. <a href="https://doi.org/10.3390/en16237854">https://doi.org/10.3390/en16237854</a>.</li> </ol>                                          | 1 |

|              |                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                |           |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|              | Eng. 2018, 400, 082006.                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                |           |
| 34           | Burlacu, E.; Domnisoru, L. The structural evaluation of a large floating dock in head design waves by strength criteria. <i>IOP Conf. Ser. Mater. Sci. Eng.</i> <b>2019</b> , 591, 012104.                                                                                                                      | Szelangiewicz, T.; Żelazny, K.; Sobków, S. An Innovative and Environmentally Friendly System for Moving and Stabilising a Floating Dock in Position during Docking Operations. <i>Energies</i> <b>2023</b> , 16, 7854. <a href="https://doi.org/10.3390/en16237854">https://doi.org/10.3390/en16237854</a> .                                                                                   | 1         |
| 35           | Burlacu, E., & Domnisoru, L. (2017). Structural 3D and 1D modelling of a barge hull for strength assessment on head waves condition. <i>stress [N/mm<sup>2</sup>]</i> , 6(8), 10.                                                                                                                               | 1. Hou Shuai, Yu Junqi, Su Yucong, Liu Zongyi, Dai Junwei, Flow distribution optimization of parallel pumps based on improved mayfly algorithm, <i>JOURNAL OF INTELLIGENT &amp; FUZZY SYSTEMS</i> , Volume: 44, Issue:2, Page: 2065-2083, DOI:10.3233/JIFS-222783, ISSN 1064-1246, eISSN 1875-8967, Publisher IOS PRESS, NIEUWE HEMWEG 6B, 1013 BG AMSTERDAM, NETHERLANDS, WOS:000925063400038 | 1         |
| 36           | Rață, V.; Găvan, E.; Păunoiu, V. Pre-outfitting of a platform supply vessel in section unit assembly stage. <i>Ann. Dunarea 598 Jos Univ. Galati, Fascicle Technol. Mach. Build.</i> <b>2017</b> , 35, 67–72.                                                                                                   | 1. Lučin, B.; Čarija, Z.; Alvir, M.; Lučin, I. Strategies for Green Shipbuilding Design and Production Practices Focused on Reducing Microplastic Pollution Generated during Installation of Plastic Pipes. <i>J. Mar. Sci. Eng.</i> <b>2023</b> , 11, 983. <a href="https://doi.org/10.3390/jmse11050983">https://doi.org/10.3390/jmse11050983</a> .                                          | 1         |
| 37           | Birsan, D.; Scutelnicu, E.; Visan, D. Behaviour Simulation of Aluminium Alloy 6082-T6 during Friction Stir Welding and Tungsten Inert Gas Welding. In <i>Proceedings of the International Conference on Manufacturing Engineering, Quality and Production Systems</i> , Barcelona, Spain, 15–17 September 2011. | 1. Chaturvedi, M.; Vendan Subbiah, A.; Simion, G.; Rusu, C.C.; Scutelnicu, E. Critical Review on Magnetically Impelled Arc Butt Welding: Challenges, Perspectives and Industrial Applications. <i>Materials</i> <b>2023</b> , 16, 7054. <a href="https://doi.org/10.3390/ma16217054">https://doi.org/10.3390/ma16217054</a> .                                                                  | 1         |
| <b>Total</b> |                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                | <b>72</b> |

**BDI:** (total number = 38)

| Nr. Crt. | Date de identificare articol (Autori, Titlu, cod DOI articol, Titlul revistei, anul publicării)                                                                                      | Citat în                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Numaru l de citării |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 1        | Lungu A. "A DES-based Study of the Flow around the Self-propelled DARPA Suboff Working in Deep Immersion and beneath the Free-surface", Ocean Engineering, Volume 244, 2022, 110358. | 1. Sun S., Shi Y., Li Z., Hydrodynamic Characteristics of Self-propulsion Submarine Navigation below the Ice Sheet with Continuous Ice Ridge, 2023, Ship Building of China, 64 (2), pp. 82 – 94, <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166483230&amp;partnerID=40&amp;md5=b2d478fe1bb35fac9b926046f1c">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166483230&amp;partnerID=40&amp;md5=b2d478fe1bb35fac9b926046f1c</a>                                                                                                                                                                                                                                                                            | 1                   |
| 2        | Lungu A. "Numerical Simulation of the Resistance and Self-Propulsion Model Tests", J. Offshore Mech. Arct. Eng, 2020, vol.142 (2), art. no. 021905, DOI: 10.1115/1.4045332           | 1. Sun S., Shi Y., Li Z., Hydrodynamic Characteristics of Self-propulsion Submarine Navigation below the Ice Sheet with Continuous Ice Ridge, 2023, Ship Building of China, 64 (2), pp. 82 – 94, <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166483230&amp;partnerID=40&amp;md5=b2d478fe1bb35fac9b926046f1cf7d9d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166483230&amp;partnerID=40&amp;md5=b2d478fe1bb35fac9b926046f1cf7d9d</a> .                                                                                                                                                                                                                                                                | 1                   |
| 3        | Lungu A. "Numerical Assessment of Twin-Propeller Performances", IOP Conference Series, Vol. 664, Issue 112, 2021, Article number 012022                                              | 1. Machfudin, A., Dinariyana, A., & Sari, D. P., Verification, and validation of open water test of B4-65 B-series propeller model. Journal of Applied Engineering Science, 2023, 21(4), 1052-1061. <a href="https://doi.org/10.5937/jaes0-43599">https://doi.org/10.5937/jaes0-43599</a> .<br>2. Tan, Q., Sui, C., Ding, Y., Liu, H., Gao, C. (2023). Effect of Shaft System Arrangements on Ship-EnginePropeller Matching. In: Yang, D. (eds) 2023 International Conference on Marine Equipment & Technology and Sustainable Development. METSD 2023. Lecture Notes in Civil Engineering, vol 375. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-99-4291-6_47">https://doi.org/10.1007/978-981-99-4291-6_47</a> . | 2                   |
| 4        | Lungu A. "Hydrodynamic loads and wake dynamics of a propeller working in oblique flow", 2020 IOP Conference Series, Vol. 916(1), 012055                                              | 1. Machfudin, A., Dinariyana, A., & Sari, D. P., Verification, and validation of open water test of B4-65 Bseries propeller model. Journal of Applied Engineering Science, 2023, 21(4), 1052-1061. <a href="https://doi.org/10.5937/jaes0-43599">https://doi.org/10.5937/jaes0-43599</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                   |
| 5        | "Numerical Simulation of the Resistance and Self-Propulsion Model Tests", J. Offshore Mech.                                                                                          | 1. R. Wu, C. Zhang, X. Chen, Z. Wang, and X. Yan, "Influence Analysis of Podded Propulsors Installation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                   |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|   | Arct. Eng, 2020, vol.142 (2), art. no. 021905, DOI: 10.1115/1.4045332                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Position Based on Self Propulsion Simulation," 2023 7th International Conference on Transportation Information and Safety (ICTIS), Xi'an, China, 2023, pp. 1301-1307, doi:10.1109/ICTIS60134.2023.10243941.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |
| 6 | Lungu A. "Scale Effects on a Tip Rake Propeller Working in Open Water", J. Mar. Sci. Eng. 2019, 7, 404.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1. Wang C., Li Q.-Y., Zhao L.-M., Yao L.-L., Sha Y., Potential Flow Prediction Method for Open Water Performance of CLT Propeller, 2023, 44 (4), art. no. 2203060, doi: 10.13675/j.cnki.tjjs.2203060.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1 |
| 7 | Ungureanu C., Lungu A. "Numerical Simulation of the Turbulent Flow around a Strut Mounted on a Plate", AIP Conf. Proc. 9 September 2009; 1168 (1): 689–692.                                                                                                                                                                                                                                                                                                                                                                                                               | 1. Hayden A.P., Gillespie J., Hefner C., Untaroio A., Lowe T., High Throughflow Design and Analysis for Streamvane Swirl Distortion Generators, 2023, Proceedings of the ASME Turbo Expo, 1, art. no. v001t01a005, doi: 10.1015/gt2023-100773.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 |
| 8 | Bekhit A., 2018, "Numerical Simulation of The Ship Self-propulsion Prediction using Body Force Method and Fully Discretized Propeller Model", Proceedings of the 6th Modern Technology in Industrial Engineering Conference, MODTECH 2018, 13–16 June, Constanța, Romania. IOP Conference Series: Materials Science and Engineering 400(2018) 042004. DOI: 10.1088/1757-899X/400/4/042004, WOS:000461147400076, <a href="http://iopscience.iop.org/article/10.1088/1757-899X/400/4/042004/pdf">http://iopscience.iop.org/article/10.1088/1757-899X/400/4/042004/pdf</a> , | 1. Akinmulewo, D.; Rubino, G.; Gosda, R.; Abdel-Maksoud; M.; Grashorn, H. 2023. "Numerical Investigation of the Influence of the Axial Position of the Propeller on the Propulsion Performance and the Hull-Propeller Interaction Using the Body-Force-Method". Progress in Marine Science and Technology; <b>7</b> , pp. 253-264. <a href="https://ebooks.iospress.nl/doi/10.3233/PMST230033">https://ebooks.iospress.nl/doi/10.3233/PMST230033</a> .<br>2. Sunarsih; Nanda, M.I.; Purnamasari, D.; Baidowi, A.; Syarif, I.S. 2023. "Verification and validation of ITTC benchmark ship CFD performance towards development of CFD and EFD combined methods". IOP Conference Series: Earth and Environmental Science. Volume: 1198, Issue: 12023, Article number: 012027. 10 <sup>th</sup> International Seminar on Ocean, Coastal Engineering, Environmental and Natural Disaster Management, ISOCEEN 2022, Surabaya 29 November 2022. <a href="https://iopscience.iop.org/article/10.1088/1755-1315/1198/1/012027/pdf">https://iopscience.iop.org/article/10.1088/1755-1315/1198/1/012027/pdf</a> .<br>3. Munazid. A.; Ariana, M. , Utama, I.K.A.P. 2023. "CFD Analysis onthe Development of Pre-Duct Shapeto Improve Propeller Performance". CFD Letters. <b>16</b> , Issue <b>2</b> (2024). pp. 118-132. <a href="https://semarakilmu.com.my/journals/index.php/CFD_Letters/article/view/1831/2891">https://semarakilmu.com.my/journals/index.php/CFD_Letters/article/view/1831/2891</a> . | 3 |
| 9 | Bekhit A., 2018, "Unsteady RANSE Simulation for Ship Resistance, Heave and Pitch in Regular Head                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1. Chen, Y.; Xu, S.; Shi, J.; Liu, X.; Hou, G. 2023. "Hydrodynamic performance of small unmanned catamaran based on STAR-CCM+".                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1 |

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|    | <p>Waves”, Proceedings of the 6<sup>th</sup> Modern Technology in Industrial Engineering Conference, MODTECH 2018, 13–16 June, Constanța, Romania. IOP Conference Series: Materials Science and Engineering <b>400</b>(2018) 082004. DOI: 10.1088/1757-899X/400/8/082004, WOS:000461147400184, <a href="http://iopscience.iop.org/article/10.1088/1757-899X/400/8/082004/pdf">http://iopscience.iop.org/article/10.1088/1757-899X/400/8/082004/pdf</a></p>                                                                                                                       | <p>Chinese Journal of Ship Research. <b>18</b>(5), pp. 73–82. <a href="http://zgicyj.xml-journal.net/en/article/doi/10.19693/j.issn.1673-3185.02936">http://zgicyj.xml-journal.net/en/article/doi/10.19693/j.issn.1673-3185.02936</a>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |
| 10 | <p>Bekhit A., Lungu A., 2018, “Simulation of the POW Performance of the JBC Propeller”, Proceedings of the 16<sup>th</sup> International Conference on Numerical Analysis and Applied Mathematics, ICNAAM 2018, 13–18 September, Rhodes, Greece. American Institute of Physics, AIP Conference Proceedings, 2216, 450007 (2019). DOI: 10.1063/1.5114474, WOS:000521108600455, <a href="https://aip.scitation.org/doi/10.1063/1.5114474">https://aip.scitation.org/doi/10.1063/1.5114474</a>.</p>                                                                                 | <ol style="list-style-type: none"> <li>1. Munazid. A.; Ariana, M. , Utama, I.K.A.P. 2023. “CFD Analysis onthe Development of Pre-Duct Shapeto Improve Propeller Performance”. CFD Letters. <b>16</b>, Issue <b>2</b>(2024). pp. 118-132. <a href="https://semarakilmu.com.my/journals/index.php/CFD_Letters/article/view/1831/2891">https://semarakilmu.com.my/journals/index.php/CFD_Letters/article/view/1831/2891</a>.</li> <li>2. Maulida, A.T.; Munazid, A. 2023. “The Correlation of The Hull-Forms Parametric to The Ship’s Propulsion of Tugboats with Two Propulsion”. BAITA ENGINEERING. Journal of Naval Architecture and Marine Engineering, Vol.1 No.1, December 2023, pp. 1-10, ISSN: 3025-8286. <a href="https://baita-engineering.org/index.php/baita/article/view/7/13">https://baita-engineering.org/index.php/baita/article/view/7/13</a>.</li> </ol> | 2 |
| 11 | <p>Bekhit A., Lungu A., 2019, “Numerical Simulation for Predicting Ship Resistance and Vertical Motions in Regular Head Waves”, Proceedings of the ASME 2019, 38th International Conference on Ocean, Offshore and Arctic Engineering – OMAE 2019, 9–14 June, Glasgow, Scotland, UK, OMAE2019-95237. DOI: 10.1115/OMAE2019-95237, WOS:000513070800009, <a href="https://asmedigitalcollection.asme.org/OMAE/proceedings-abstract/OMAE2019/58776/V002T08A009/1067538">https://asmedigitalcollection.asme.org/OMAE/proceedings-abstract/OMAE2019/58776/V002T08A009/1067538</a></p> | <ol style="list-style-type: none"> <li>1. Popa, F.D., Bosoancă, R. 2023. “Estimation of linear hydrodynamic derivatives of a 37000 tdw chemical tanker using virtual captive model tests”. THE ANNALS OF “DUNAREA DE JOS” UNIVERSITY OF GALATI FASCICLE XI – SHIPBUILDING. ISSN 1221-4620, e-ISSN 2668-3156 DOI: <a href="https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.02">https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.02</a> 2023. <a href="https://gup.ugal.ro/ugaljournals/index.php/fanship/article/view/6289/5482">https://gup.ugal.ro/ugaljournals/index.php/fanship/article/view/6289/5482</a>.</li> </ol>                                                                                                                                                                                                                                       | 1 |
| 12 | <p>Anisoara Gabriela Cristea. “Determination of deformations and stress states in the double</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <ol style="list-style-type: none"> <li>1. Andreu Julián-Izquierdo, Patricia García-Pitarch, Francesco Scarlatti, Pedro C. Valdelomar, José Luis Gómez-Amo, M. Pilar</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2 |

|    |                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|    | <p>bottom by MEF”, IOSR Journal of Engineering (IOSRJEN), ISSN (e): 2250-3021, ISSN (p): 2278-8719, Vol. 10, Issue 12, December 2020, Series -II, PP 12-18.<br/> <a href="https://iosrjen.org/Papers/vol10_issue12/Series-2/C1012021218.pdf">https://iosrjen.org/Papers/vol10_issue12/Series-2/C1012021218.pdf</a>.</p> | <p>Utrillas. “Machine learning clustering of cloud regimes using synergetic ground-based remote sensing observations”, Proceedings Volume 12730, Remote Sensing of Clouds and the Atmosphere XXVIII; 127300T (2023), Event: SPIE Remote Sensing, 2023, Amsterdam, Netherlands.<br/> <a href="http://dx.doi.org/10.1117/12.2689207">http://dx.doi.org/10.1117/12.2689207</a>.</p> <p>2. Yongqiang Chen, Zheng Zhao, Hu Wan, Zhibang Kang. “Designing of intelligent medical track vehicle scheduling system”, Proceedings Volume 12790, Eighth International Conference on Electromechanical Control Technology and Transportation (ICECTT 2023); 127900P (2023), Event: 8<sup>th</sup> International Conference on Electromechanical Control Technology and Transportation (ICECTT 2023), 2023, Hangzhou, China.<br/> <a href="http://dx.doi.org/10.1117/12.2689906">http://dx.doi.org/10.1117/12.2689906</a>.</p> |   |
| 13 | <p>Mandru A., Florin P. “The effect of appendages on ship resistance”. 2021 IOP Conf. Ser.: Mater. Sci. Eng. 1182 012041.<br/> <a href="https://iopscience.iop.org/article/10.1088/1757-899X/1182/1/012041/pdf">https://iopscience.iop.org/article/10.1088/1757-899X/1182/1/012041/pdf</a>.</p>                         | <p>1. Mukhammad Afrit Lutfi, , Aditya Rio Prabowo, Emel Mixsa Muslimy, , Teguh Muttaqie, Nurul Muhayat, Hananta Diatmaja, Quang Thang Do, Seung Jun Baek, and Aldias Bahatmaka. “Leisure Boat Concept Design: Study on the Influence of Hull Form and Dimension to Increase Hydrodynamic Performance”. International Journal of Mechanical Engineering and Robotics Research, Vol. 13, No. 1, 2024.<br/> <a href="https://www.ijmerr.com/2024/IJMERR-V13N1-139.pdf">https://www.ijmerr.com/2024/IJMERR-V13N1-139.pdf</a>.</p> <p>2. Sumarsono S., Cahyono B., Erwandi E., Baidowi A., “An Experimental Investigation into the Effect of Bilge Keel Position on Landing Craft Utility Vessels”. Naše more” 70(4)/2023., pp. 189-201,<br/> <a href="https://doi.org/10.17818/NM/2023/4.1">https://doi.org/10.17818/NM/2023/4.1</a>.</p>                                                                              | 2 |
| 14 | <p>Mandru A. and Pacuraru F. “Experimental study on catamaran hydrodynamics”, 2020 IOP Conf. Ser.: Mater. Sci. Eng. 916 012060. DOI: 10.1088/1757-899X/916/1/012060.</p>                                                                                                                                                | <p>1. Bu, Jia-bin, Li, Zi-ru, Xu, Hui, and Jiang-tao Qin. "Numerical Study on Hull Interference Resistance of High Speed Catamaran." Paper presented at the The 33rd International Ocean and Polar Engineering Conference, Ottawa, Canada, June 2023.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1 |
| 15 | <p>Caramatescu, A., Mocanu, C. I., &amp; Modiga, A. (2019). A New Concept of Composite Material for High</p>                                                                                                                                                                                                            | <p>1. Sulistyo, A. B., Wirawan, W. A., &amp; Muslimin, M. (2024). Evaluation of mechanical and morphological properties composite of Agel</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 |

|    |                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|    | Speed Boats. Materiale Plastice, 56(1), 11.                                                                                                                                                                                                                                                                       | <p>Leaf Fiber (ALF)-epoxy modified with carbon powder. EUREKA: Physics and Engineering, (1), 144-153. <a href="https://www.journal.eu-jr.eu/engineering/article/view/2974">https://www.journal.eu-jr.eu/engineering/article/view/2974</a>.</p> <p>2. NEŞER, G., GÜRSEL, K. T., &amp; KAPLANOĞLU, M. (2023, November). Ways of Weight Optimization for Polymer-Based Composite High-Speed Marine Vehicles. In HSMV 2023: Proceedings of the 13th Symposium on High Speed Marine Vehicles (Vol. 7, p. 191). IOS Press.<br/><a href="https://books.google.ro/books?hl=ro&amp;lr=&amp;id=6-DjEAAAQBAJ&amp;oi=fnd&amp;pg=PA191&amp;ots=kkcQVvwtg4&amp;sig=ssVA7F0Wzclm5ayNtDPPIr_VJYI&amp;redir_esc=y#v=onepage&amp;q&amp;f=false">https://books.google.ro/books?hl=ro&amp;lr=&amp;id=6-DjEAAAQBAJ&amp;oi=fnd&amp;pg=PA191&amp;ots=kkcQVvwtg4&amp;sig=ssVA7F0Wzclm5ayNtDPPIr_VJYI&amp;redir_esc=y#v=onepage&amp;q&amp;f=false</a>.</p> <p>Liang, Y. (2023). Research on the Shape Optimization of Three-Dimensional Bow. Highlights in Science, Engineering and Technology, 37, 318-323. <a href="https://drpress.org/ojs/index.php/HSET/article/view/6087">https://drpress.org/ojs/index.php/HSET/article/view/6087</a>.</p> |   |
| 16 | Caramatescu, A., & Mocanu, C. I. (2019). Experimental and numerical evaluation of wave impact stress on a composite boat hull. Materials Today: Proceedings, 12, 440-445.                                                                                                                                         | <p>NEŞER, G., GÜRSEL, K. T., &amp; KAPLANOĞLU, M. (2023, November). Ways of Weight Optimization for Polymer-Based Composite High-Speed Marine Vehicles. In HSMV 2023: Proceedings of the 13th Symposium on High Speed Marine Vehicles (Vol. 7, p. 191). IOS Press.<br/><a href="https://books.google.ro/books?hl=ro&amp;lr=&amp;id=6-DjEAAAQBAJ&amp;oi=fnd&amp;pg=PA191&amp;ots=kkcQVvwwh3&amp;sig=6mpagU8Kb4jPZfL0MdRLZBhmsh0&amp;redir_esc=y#v=onepage&amp;q&amp;f=false">https://books.google.ro/books?hl=ro&amp;lr=&amp;id=6-DjEAAAQBAJ&amp;oi=fnd&amp;pg=PA191&amp;ots=kkcQVvwwh3&amp;sig=6mpagU8Kb4jPZfL0MdRLZBhmsh0&amp;redir_esc=y#v=onepage&amp;q&amp;f=false</a>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1 |
| 17 | Nechita, M., Popescu, G., A comparative study of the barge's geometry under impact loads. IOP Conf. Ser.: Mater. Sci. Eng. Vol 916 p. 012073, 2020, <a href="https://iopscience.iop.org/article/10.1088/1757-899X/916/1/012073/meta">https://iopscience.iop.org/article/10.1088/1757-899X/916/1/012073/meta</a> . | <p>Popescu G, Dragan D, Domnişoru L. Preliminary study regarding the positioning of the bathymetric system on a research ship. Annals of " Dunarea de Jos" University of Galati. Fascicle XI Shipbuilding Vol 45, p 131-134, ISSN 1221-1620, Galati University Press 2022 (DOAJ, EBSCO)<br/><a href="https://www.gup.ugal.ro/ugaljournals/index.php/fanship/article/view/5569">https://www.gup.ugal.ro/ugaljournals/index.php/fanship/article/view/5569</a>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1 |
| 18 | Pacuraru, F., Domnisoru, L., & Pacuraru, S. (2020). On the comparative seakeeping analysis of the full scale KCS by several hydrodynamic approaches. Journal of Marine Science and Engineering, 8(12), 962.                                                                                                       | <p>1. Perijoc, D. S., &amp; Domnişoru, L. (2023). Comparative analysis of seakeeping methods: numerical, software simulation and experimental study. Annals of " Dunarea de Jos" University of Galati. Fascicle XI Shipbuilding, 46, 89-96. <a href="https://doi.org/10.35219/AnnUgalShipBuildin g/2023.46.11">https://doi.org/10.35219/AnnUgalShipBuildin g/2023.46.11</a>.</p> <p>2. La Ferlita, A., Qi, Y., Di Nardo, E., Mewes, S., El</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2 |

|    |                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|    |                                                                                                                                                                                                                                                                                               | Moctar, O., & Ciaramella, A. (2023). Prediction of Wave Energy Spectrum Based on Ship Motions Using a Data-Driven Approach. <a href="https://ceur-ws.org/Vol-3606/paper73.pdf">https://ceur-ws.org/Vol-3606/paper73.pdf</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |
| 19 | Pacuraru, F. (2019, August). Validation of potential flow method for ship resistance prediction. In IOP Conference Series: Materials Science and Engineering (Vol. 591, No. 1, p. 012113). IOP Publishing. DOI: 10.1088/1757-899X/591/1/012113.                                               | <ol style="list-style-type: none"> <li>1. Ahmed, A. M. E. (2023). Comparative investigation of resistance prediction for surface combatant ship model using CFD modeling. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 107(2), 225-235. <a href="https://doi.org/10.37934/arfmts.107.2.225235">https://doi.org/10.37934/arfmts.107.2.225235</a>.</li> <li>2. Elhadad, A. M., &amp; El-Ela, A. (2023). Experimental and Cfd Resistance Validation of Naval Combatant Dtmb 5415 Model. Experimental and Cfd Resistance Validation of Naval Combatant Dtmb, 5415.</li> <li>3. Elhadad, A. M., El-Ela, A. M. A., &amp; Hussien, M. M. (2023). Matlab Implementation using Holtrop and Mennen Method of Bare Hull Resistance Prediction for Surface Combatant Ship Coupled with CFD. CFD Letters, 15(10), 1-11. <a href="https://doi.org/10.37934/cfdl.15.10.111">https://doi.org/10.37934/cfdl.15.10.111</a>.</li> </ol> | 3 |
| 20 | Pacuraru, F., & Domnisoru, L. (2017, August). Numerical investigation of shallow water effect on a barge ship resistance. In IOP Conference Series: Materials Science and Engineering (Vol. 227, No. 1, p. 012088). IOP Publishing.                                                           | <ol style="list-style-type: none"> <li>1. Mahmoodi, H., &amp; Hajivand, A. Numerical simulation of resistance test for a naval vessel in shallow water. International Journal of Maritime Technology, 57-64. <a href="https://ijmt.ir/article-1-821-fa.html">https://ijmt.ir/article-1-821-fa.html</a>.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1 |
| 21 | Burlacu, E., Pacuraru, F., & Domnisoru, L. (2016). On the Development of Design Software for Floating Dock Units Operating Capabilities Analysis. Mechanical Testing and Diagnosis, 6(3), 22-34.                                                                                              | <ol style="list-style-type: none"> <li>1. Zhang, J., Wen, X., &amp; Ong, M. C. (2023, June). Development of a floating dock numerical model and the ballast water distribution strategy. In International Conference on Offshore Mechanics and Arctic Engineering (Vol. 86878, p. V005T06A068). American Society of Mechanical Engineers. <a href="https://doi.org/10.1115/OMAE2023-102996">https://doi.org/10.1115/OMAE2023-102996</a>.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1 |
| 22 | Obreja, D., Nabergoj, R., Crudu, L., & Păcuraru-Popoiu, S. (2010). Identification of hydrodynamic coefficients for manoeuvring simulation model of a fishing vessel. Ocean Engineering, 37(8-9), 678-687. <a href="https://doi.org/10.1016/j.oceaneng">https://doi.org/10.1016/j.oceaneng</a> | <ol style="list-style-type: none"> <li>1. Popa, F. D., &amp; Bosoancă, R. (2023). A comparative analysis of course keeping and turning circle for a 37000 tdw chemical tanker. Annals of "Dunarea de Jos" University of Galati. Fascicle XI Shipbuilding, 46, 5-10. <a href="https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.01">https://doi.org/10.35219/AnnUgalShipBuilding/2023.46.01</a>.</li> <li>2. Popa, F. D., &amp; Bosoancă, R. (2023). Estimation</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2 |

|              |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|              | <a href="#">.2010.01.009.</a>                                                                                                                                                                                                                            | of linear hydrodynamic derivatives of a 37000 tdw chemical tanker using virtual captive model tests. Annals of" Dunarea de Jos" University of Galati. Fascicle XI Shipbuilding, 46, 11-18.<br><a href="https://doi.org/10.35219/AnnUgalShipBuildin g/2023.46.02">https://doi.org/10.35219/AnnUgalShipBuildin g/2023.46.02</a> .                                                                                                      |           |
| 23           | Domnişoru L., "Analiza structurilor navale prin metoda elementului finit Aplicatii numerice", Editura Fundației Universitare "Dunărea de Jos", Galați, 2009.                                                                                             | 1. Jarcă, O. M., & Perijoc, D. S. (2023). Comparative static FEA of equipment foundations on marine vessels: standard, stiffened, and structural integrated. Annals of" Dunarea de Jos" University of Galati. Fascicle XI Shipbuilding, 46, 125-132.<br><a href="https://doi.org/10.35219/AnnUgalShipBuildin g/2023.46.15">https://doi.org/10.35219/AnnUgalShipBuildin g/2023.46.15</a> .                                            | 1         |
| 24           | Pacuraru F, Domnisoru L (2017) Numerical investigation of shallow water effect on a barge ship resistance. IOP Conference 227(1):012088                                                                                                                  | 1. Kan, J., Wang, L., Liu, J., Wang, X., & Han, B. (2022). Numerical Investigation of an Inland 64 TEU Container Vessel in Restricted Waters. In Smart Rivers (pp. 516-528). Singapore: Springer Nature Singapore.                                                                                                                                                                                                                   | 1         |
| 25           | Pacuraru, S., Domnisoru, L. Bekhit, A. (2022). Numerical simulation for the motion response of an Offshore AHTS ship in regular and irregular waves, International Journal of Modern Manufacturing Technologies, ISSN 2067–3604, Vol. XIV, No. 3 / 2022. | 1. Bekhit, A., & Pacuraru, S. (2023). Numerical simulation for predicting the respose of an offshore heavy lift barge in regular and irregular waves. Annals of" Dunarea de Jos" University of Galati. Fascicle XI Shipbuilding, 46, 189-196.<br><a href="https://doi.org/10.35219/AnnUgalShipBuildin g/2023.46.24">https://doi.org/10.35219/AnnUgalShipBuildin g/2023.46.24</a> .                                                   | 1         |
| 26           | Paunoiu, V., Cekan, P., Gavan, E., Nicoara, D.: Numerical simulations in reconfigurable multipoint forming. Int. J. Mater Form 1, 181–184 (2008)                                                                                                         | 1. Reuter, J., Frohn-Sörensen, P., & Engel, B. (2023, August). Segmentation Method for Bending Tools–Fundamental Investigation of Profile Forming by Segmented Tools. In International Conference on the Technology of Plasticity (pp. 547-559). Cham: Springer Nature Switzerland.<br><a href="https://link.springer.com/chapter/10.1007/978-3-031-41023-9_55">https://link.springer.com/chapter/10.1007/978-3-031-41023-9_55</a> . | 1         |
| <b>Total</b> |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>38</b> |