

**REZULTATELE ACTIVITĂȚILOR DE CERCETARE – DEZVOLTARE
DESFĂȘURATE ÎN CADRUL TEZEI DE DOCTORAT CU TITLUL:**

“Studiul determinării caracteristicilor de funcționare ale fluidelor din sistemele navale de propulsie în scopul reducerii poluării mediului marin”

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DOMENIU DE DOCTORAT ȘTIINȚE INGINEREȘTI – INGINERIE MECANICĂ							
Data înmatriculării	01.10.2014	Data susținerii publice	23.11.2018	Data confirmării			
REZULTATELE ACTIVITĂȚII DE CERCETARE-DEZVOLTARE							
DENUMIRE REZULTAT							
CATEGORIA REZULTATULUI		Rezultat final		DETALIERE CARACTERISTICI ALE REZULTATULUI FINAL			
documentații, studii, lucrări		[X]		Proceduri pentru monitorizarea parametrilor funcționali pentru managementul combustibilului și reducerea poluării mediului marin; Se propune desemnarea unei persoane care se va ocupa cu monitorizarea eficienței energetice a navei.			
planuri, scheme		[]					
tehnologii		[]					
procedee, metode, proceduri		[X]					
produse informatice		[]					
rețete, formule		[]					
obiecte fizice / produse		[]					
brevet invenție / altele asemenea		[]					
STADIUL DE DEZVOLTARE		soluție / model conceptual	[]				
		model experimental / funcțional	[]				
		prototip	[]				
		instalație pilot sau echivalent	[]				
		altele	[]				
DOMENIUL DE CERCETARE		tehnologiile societății informaționale	[]				
		energie	[X]				
		mediu	[X]				
		sănătate	[X]				
		agricultură, securitatea și siguranța alimentară	[]				
		biotehnologii	[X]				
		materiale, procese și produse inovative	[]				
		spații și securitate	[]				
		cercetări socio – economice și umaniste	[]				
CARACTERUL INOVATIV		produs nou	[]			DETALIERE CARACTER INOVATIV	
		produs modernizat	[]				
		tehnologie nouă	[]				
		serviciu nou	[]				
		serviciu modernizat	[]				
		altele.....	[]				

INFORMAȚII PRIVIND PROPRIETATEA INTELECTUALĂ	
cerere înregistrare brevet de invenție	Nr data.....
brevet de invenție înregistrat (național, european, internațional)	Nr data.....
cerere înregistrare modele și desene industriale protejate	Nr data.....
modele și desene industriale protejate înregistrate (național, european, internațional)	Nr data.....
DOMENII DE APLICABILITATE	DETALIERE APLICABILITATE
În domeniul de interes al MAPN	Eficiența energetică a navelor militare
În alte domenii	Eficiența energetică a navelor comerciale
DISEMINAREA REZULTATELOR CERCETĂRII REALIZATE ÎN CADRUL TEZEI DE DOCTORAT	DENUMIRE ARTICOL/REVISTĂ/CONFERINȚĂ
Articole publicate în reviste /Proceedings cotate ISI	<p>1. Ali Beazit, Ligia-Adriana Sporiș, Levent Ali, <i>Examples regarding the estimation of hydraulic loss in naval installation with tubes</i>, The Knowledge Based Organization International Conference KBO 2009, pag. 32-36 „Nicolae Balcescu Land Forces Academy” Sibiu 26-28 noiembrie 2009, ISSN 1843-6722.</p> <p>2. Ali Beazit, Levent Ali, <i>A new concept for design of the shape ship stern</i>, 1-st World Conference on BIG DATA, 19-21.11.2015, Istanbul Turkey.</p>
Articole publicate în reviste /Proceedings cotate BDI	<p>1. Levent Ali, Daniel Mărășescu, Beazit Ali, <i>Contribution to the study of services characteristics of cooling water used for marine engine</i>, “Mircea cel Batran” Naval Academy, Scientific Bulletin, Volume XXI – 2018 – Issue 1, Published by “Mircea cel Batran” Naval Academy Press, Constanta, Romania, ISSN 1454-864X, pag. 493-501. (cat. B+ din cotarea CNCISIS).The journal is indexed in: PROQUEST / DOAJ / Crossref / EBSCOhost / INDEX COPERNICUS / DRJI / OAJI / JOURNAL INDEX / I2OR / SCIENCE LIBRARY INDEX / Google Scholar / Academic Keys/ ROAD Open Access / Academic Resources / Scientific Indexing Services / SCIOPI / JIFACTOR.</p> <p>2. Levent Ali, Pamfil Șomoiaș, Beazit Ali, <i>Contribution to the study of services characteristics of marine fuels</i>, “Mircea cel Batran” Naval Academy, Scientific Bulletin, Volume XXI – 2018 – Issue 1, Published by “Mircea cel Batran” Naval Academy Press, Constanta, Romania, ISSN 1454-864X, pag.502-508. (cat. B+ din cotarea CNCISIS).The journal is indexed in: PROQUEST / DOAJ / Crossref / EBSCOhost / INDEX COPERNICUS / DRJI / OAJI / JOURNAL INDEX / I2OR / SCIENCE LIBRARY INDEX / Google Scholar / Academic Keys/ ROAD Open Access / Academic Resources / Scientific Indexing Services / SCIOPI / JIFACTOR.</p> <p>3. Beazit Ali, Pamfil Șomoiaș, Levent Ali, <i>Establishment of criterion of water flow phenomenon around the ship</i>, “Mircea cel Batran” Naval Academy, Scientific Bulletin, Volume XXI – 2018 – Issue 1, Published by “Mircea cel Batran” Naval Academy Press, Constanta, Romania, ISSN 1454-</p>

864X, pag.531-534. (cat. B+ din cotarea CNCSIS).The journal is indexed in: PROQUEST / DOAJ / Crossref / EBSCOhost / INDEX COPERNICUS / DRJI / OAJI / JOURNAL INDEX / I2OR / SCIENCE LIBRARY INDEX / Google Scholar / Academic Keys/ ROAD Open Access / Academic Resources / Scientific Indexing Services / SCIPHO / JIFACTOR.

4. Beazit Ali, Adrian Popa, Gheorghe Ichimoaei **Levent Ali**, *Estimated propulsion of small scale hydrofoil ships*, Journal of Marine technology and Environment, Year 2017, Vol.1, pag. 7-12, ISSN 1844-6116

5. Beazit Ali, Adrian Popa, Gheorghe Ichimoaei, **Levent Ali**, *High performance controllable pitch propellers*, Journal of Marine technology and Environment, Year 2017, Vol.1, pag. 13-18, ISSN 1844-6116

6. Beazit Ali, Anastase Pruiu, Adriana Sporis, **Levent Ali**, *Features analysis of small and very small scale wings experimented by aerodynamics tunnel and confruted with the two scales similarity theory*, "Mircea cel Batran" Naval Academy, Scientific Bulletin, Volume XIX – 2016 – Issue 2, Published by "Mircea cel Batran" Naval Academy Press, Constanta, Romania // The journal is indexed in: PROQUEST SciTech Journals, PROQUEST Engineering Journals, PROQUEST Illustrata: Technology, PROQUEST Technology Journals, PROQUEST Military Collection PROQUEST Advanced Technologies & Aerospace, ISSN 1454-864X, pag. 147. (cat. B+ din cotarea CNCSIS).

7. Beazit Ali, Anastase Pruiu, Adriana Sporis, **Levent Ali**, *The stability analysis of hydrofoils boats*, "Mircea cel Batran" Naval Academy, Scientific Bulletin, Volume XIX – 2016 – Issue 2, Published by "Mircea cel Batran" Naval Academy Press, Constanta, Romania // The journal is indexed in: PROQUEST SciTech Journals, PROQUEST Engineering Journals, PROQUEST Illustrata: Technology, PROQUEST Technology Journals, PROQUEST Military Collection PROQUEST Advanced Technologies & Aerospace, ISSN 1454-864X, pag. 150 . (cat. B+ din cotarea CNCSIS).

8. **Levent Ali**, Beazit Ali, Adrian Popa, Gheorghe Samoilescu, *Aspects related to the propulsion hydrofoil ships*, Fiabilitate și durabilitate nr. 2 (7)/2016-Universitatea "Constantin Brâncuși" Editura "Academica Brâncuși" Târgu Jiu, 2016, ISSN 1844-640 X, pag. 10. (cat. B+ din cotarea CNCSIS – Cod 80).

9. Beazit Ali, Anastase Pruiu, **Levent Ali**, *On board of ships thermal energy recovery conditions*, Fiabilitate și durabilitate nr. 2 (7)/2016-Universitatea "Constantin Brâncuși" Editura "Academica Brâncuși" Târgu Jiu, 2016, ISSN 1844-640 X, pag. 22 (cat. B+ din cotarea CNCSIS – Cod 80).

10. Beazit Ali, Anastase Pruiu, **Levent Ali**, *Study of ship's magnetohydrodynamic propulsion*, Fiabilitate și durabilitate nr. 2 (7)/2016-Universitatea "Constantin Brâncuși" Editura "Academica Brâncuși" Târgu Jiu, 2016, ISSN 1844-640 X, pag. 28 . (cat. B+ din cotarea CNCSIS – Cod 80).

11. **Levent Ali**, Beazit Ali, Gheorghe Samoilescu, Anastase Pruiu, *The study of the drag for vessels in accordance with the similarity theory at two scales*, Fiabilitate și durabilitate nr. 2 (7)/2016-Universitatea "Constantin Brâncuși" Editura "Academica Brâncuși" Târgu Jiu, 2016, ISSN 1844-640 X, pag. 18 . (cat. B+ din cotarea CNCSIS – Cod 80).

12. Beazit Ali, Anastase Pruiu, Adrian Popa, **Levent Ali**, *Method for obtaining the characteristics of wings*, “Mircea cel Batran” Naval Academy, Scientific Bulletin, Volume XIX – 2016 – Issue 2, Published by “Mircea cel Batran” Naval Academy Press, Constanta, Romania // The journal is indexed in: PROQUEST SciTech Journals, PROQUEST Engineering Journals, PROQUEST Illustrata: Technology, PROQUEST Technology Journals, PROQUEST Military Collection PROQUEST Advanced Technologies & Aerospace, ISSN 1454-864X, pag.143. (cat. B+ din cotarea CNCISIS).

13. Beazit Ali, **Levent Ali**, Adrian Popa, Anastase Pruiu, *Alternative fuels for the marine market*, “Mircea cel Batran” Naval Academy, Scientific Bulletin, Volume XIX – 2016 – Issue 1, Published by “Mircea cel Batran” Naval Academy Press, Constanta, Romania // The journal is indexed in: PROQUEST SciTech Journals, PROQUEST Engineering Journals, PROQUEST Illustrata: Technology, PROQUEST Technology Journals, PROQUEST Military Collection PROQUEST Advanced Technologies & Aerospace, ISSN 1454-864X, pag. 133. (cat. B+ din cotarea CNCISIS).

14. **Levent Ali**, Anastase Pruiu, Beazit Ali, Daniel Mărășescu, *About the study of energy's flow from energetically naval systems*, “Mircea cel Batran” Naval Academy, Scientific Bulletin, Volume XIX – 2016 – Issue 1, Published by “Mircea cel Batran” Naval Academy Press, Constanta, Romania // The journal is indexed in: PROQUEST SciTech Journals, PROQUEST Engineering Journals, PROQUEST Illustrata:Technology, PROQUEST Technology Journals, PROQUEST Military Collection PROQUEST Advanced Technologies & Aerospace, ISSN 1454-864X, pag. 135. (cat. B+ din cotarea CNCISIS).

15. Ion Adrian Girbă, Beazit Ali, **Levent Ali**, Anastase Pruiu, *Cylinder and system lubricating oils*, “Mircea cel Batran” Naval Academy, Scientific Bulletin, Volume XIX – 2016 – Issue 1, Published by “Mircea cel Batran” Naval Academy Press, Constanta, Romania // The journal is indexed in: PROQUEST SciTech Journals, PROQUEST Engineering Journals, PROQUEST Illustrata: Technology, PROQUEST Technology Journals, PROQUEST Military Collection PROQUEST Advanced Technologies & Aerospace, ISSN 1454-864X, pag. 224 . (cat. B+ din cotarea CNCISIS).

16. **Levent Ali**, Ion Adrian Girbă, Beazit Ali, Anastase Pruiu, Daniel Mărășescu, *About the maintenance of the heat flow exchangers from energetically naval systems*, “Mircea cel Batran” Naval Academy, Scientific Bulletin, Volume XIX – 2016 – Issue 1, Published by “Mircea cel Batran” Naval Academy Press, Constanta, Romania // The journal is indexed in: PROQUEST SciTech Journals, PROQUEST Engineering Journals, PROQUEST Illustrata: Technology, PROQUEST Technology Journals, PROQUEST Military Collection PROQUEST Advanced Technologies & Aerospace, ISSN 1454-864X, pag. 139 . (cat. B+ din cotarea CNCISIS).

17. Ionuț Dragoș Neagu, Adrian Popa, Beazit Ali, **Levent Ali**, *Considerations regarding the structural response of a 10000x500x100mm pile during pile driving with a 450kg ram, falling from 1m height*, “Mircea cel Batran” Naval Academy, Scientific Bulletin, Volume XIX – 2016 – Issue 2, Published by “Mircea cel Batran” Naval Academy Press, Constanta, Romania // The journal is indexed in: PROQUEST SciTech Journals, PROQUEST Engineering Journals, PROQUEST Illustrata: Technology, PROQUEST Technology Journals, PROQUEST Military Collection PROQUEST

Advanced Technologies & Aerospace, ISSN 1454-864X, pag. 238. (cat. B+ din cotarea CNCSIS).

18. Ionuț Dragoș Neagu, Adrian Popa, Beazit Ali, **Levent Ali**, Considerations regarding the structural response of a 10000x500x100mm pile during pile driving with a 450kg ram, falling from 2m height. “Mircea cel Batran” Naval Academy, Scientific Bulletin, Volume XIX – 2016 – Issue 2, Published by “Mircea cel Batran” Naval Academy Press, Constanta, Romania // The journal is indexed in: PROQUEST SciTech Journals, PROQUEST Engineering Journals, PROQUEST Illustrata: Technology, PROQUEST Technology Journals, PROQUEST Military Collection PROQUEST Advanced Technologies & Aerospace, ISSN 1454-864X, pag. 249. (cat. B+ din cotarea CNCSIS).

19. Ali Beazit, **Ali Levent**, The original method of improving the flow of water in the stern of the ship. Asian Academic Research Journal of Multidisciplinary, Volume 2, Issue 6, november 2015, ISSN 2319-2801, pag.126-135.

20. Beazit Ali, Anastase Pruiu, **Levent Ali**, Ion Adrian Girba, Efficiency study of the hydraulic distributor with drawer. “Mircea cel Batran” Naval Academy, Scientific Bulletin, Volume XVIII – 2015 – Issue 1, Published by “Mircea cel Batran” Naval Academy Press, Constanta, Romania // The journal is indexed in: PROQUEST SciTech Journals, PROQUEST Engineering Journals, PROQUEST Illustrata: Technology, PROQUEST Technology Journals, PROQUEST Military Collection PROQUEST Advanced Technologies & Aerospace, ISSN 1454-864X, pag. 138-142. (cat. B+ din cotarea CNCSIS).

21. Beazit Ali, Anastase Pruiu, **Levent Ali**, Ion Adrian Girba, Researches upon the cavitation phenomenon of the centrifugal pumps. “Mircea cel Batran” Naval Academy Scientific Bulletin, Volume XVIII – 2015 – Issue 2 Published by “Mircea cel Batran” Naval Academy Press, Constanta, Romania // The journal is indexed in: PROQUEST SciTech Journals, PROQUEST Engineering Journals, PROQUEST Illustrata: Technology, PROQUEST Technology Journals, PROQUEST Military Collection PROQUEST Advanced Technologies & Aerospace, ISSN 1454-864X, pag. 75-80. (cat. B+ din cotarea CNCSIS).

22. Beazit Ali, Anastase Pruiu, **Levent Ali**, Determination of the characteristics of wings using the similarity theory. “Mircea cel Batran” Naval Academy Scientific Bulletin, Volume XVII – 2014 – Issue 2, Published by “Mircea cel Batran” Naval Academy Press, Constanta, Romania//The journal is indexed in: PROQUEST SciTech Journals, PROQUEST Engineering Journals, PROQUEST Illustrata: Technology, PROQUEST Technology Journals, PROQUEST Military Collection PROQUEST Advanced Technologies & Aerospace, ISSN 1454-864X, pag. 43-45. (cat. B+ din cotarea CNCSIS).

23. Beazit Ali, Anastase Pruiu, **Levent Ali**, Theoretical and experimental reasearches upon the cavitation phenomenon of the axial pumps. “Mircea cel Batran” Naval Academy Scientific Bulletin, Volume XVII – 2014 – Issue 2, Published by “Mircea cel Batran” Naval Academy Press, Constanta, Romania//The journal is indexed in: PROQUEST SciTech Journals, PROQUEST Engineering Journals, PROQUEST Illustrata: Technology, PROQUEST Technology Journals, PROQUEST Military Collection

	<p>PROQUEST Advanced Technologies & Aerospace, ISSN 1454-864X, pag. 46-49. (cat. B+ din cotarea CNCISIS).</p> <p>24. Levent Ali, Anastase Pruiu, Beazit Ali, <i>Hybrid fuels – an alternative for the new global emissions legislation?</i>, “Mircea cel Batran” Naval Academy Scientific Bulletin, Volume XVII – 2014 – Issue 2, Published by “Mircea cel Batran” Naval Academy Press, Constanta, Romania//The journal is indexed in: PROQUEST SciTech Journals, PROQUEST Engineering Journals, PROQUEST Illustrata: Technology, PROQUEST Technology Journals, PROQUEST Military Collection PROQUEST Advanced Technologies & Aerospace, ISSN 1454-864X, pag. 50-51. (cat. B+ din cotarea CNCISIS).</p>
<p>Articole susținute la conferințe internaționale</p>	<p>1. Beazit Ali, Daniel Mărășescu, Adrian Popa, Levent Ali, <i>Researches upon the cavitation phenomenon</i>, International Conference KNOWLEDGE-BASED ORGANIZATION, Vol. XXII, 2016;</p> <p>2. Ion Adrian Gîrbă, Anastase Pruiu, Beazit Ali, Levent Ali, <i>Considerations about ship classification societies rules for installation on board of naval propulsion systems with gas turbines</i>, SEA-CONF 2015, 1-st International Conference Naval Academy, Constanta, 14-16 mai 2015.</p> <p>3. Ion Adrian Gîrbă, Anastase Pruiu, Beazit Ali, Levent Ali, <i>Considerations about ship classification societies rules concerning naval propulsion systems monitoring gas turbines for safe operation conditions</i>, SEA-CONF 2015, 1-st International Conference Naval Academy, Constanta, 14-16 mai 2015.</p> <p>4. Ali Beazit, Gheorghe Samoilescu, Levent Ali, <i>The design of axial pump rotors using the numerical methods</i>, The International Session of XII – th Scientific papers, AFASES 2010, Academia Fortelor Aeriene „Henry Coanda”, Brasov, 27-29 mai 2010, ISBN 978-973-8415-56-0.</p> <p>5. Ali Beazit, Adriana Sporis, Levent Ali, <i>Obtaining the characteristics of small and very small span wings</i>, The International Session of XI – th Scientific papers, AFASES 2009, Academia Fortelor Aeriene „Henry Coanda”, Brasov, 20-22 mai 2009, ISBN 978-973-8415-56-0.</p> <p>6. Ali Beazit, Levent Ali, Adriana Sporis, <i>High performance controllable pitch propellers for low acoustic signatures</i>, The 14-th International Conference „The Knowledge – Based Organization KBO 2008, pag. 334-341 „Nicolae Balcescu Land Forces Academy” Sibiu, 27-29 noiembrie 2008, ISSN 1843-6722.</p> <p>7. Ali Beazit, Levent Ali, Adriana Sporis, <i>Use of similarity theory on two scales in the study of cavitation phenomenon generated at the axial pump rotors</i>, The 14-th International Conference „The Knowledge – Based Organization KBO 2008, pag. 330-333 „Nicolae Balcescu Land Forces Academy” Sibiu 27-29 noiembrie 2008, ISSN 1843-6722.</p> <p>8. Ali Beazit, Levent Ali, <i>Establishment of criterion equation of water flow phenomenon around the ship</i>, Buletinul stiintific al Sesiunii de comunicari stiintifice cu participare internationala AFASES 2008, pag. 174-177, Academia Fortelor Aeriene „Henry Coanda”, Brasov, 16-17 mai 2008, ISBN 978-973-8415-56-0.</p> <p>9. Ali Beazit, Ilie Patrichi, Levent Ali, <i>Studiul prin similitudine al profilelor portante de mică anvergură</i>, Buletinul Sesiunii de comunicari stiintifice NAVMAREDU 2007, pag. 11- 18 – Academia Navală “Mircea cel Batran”,</p>

	<p>Constanta, noiembrie 2007, ISBN 978-973 –8303-84-3; ISBN 978-973 –8303-94-2.</p> <p>10. Ali Beazit, Adriana Sporiş, Levent Ali, <i><u>Studiul teoretic al fenomenului de cavitație la profilele portante</u></i>, Buletinul Sesiunii de comunicari stiintifice NAVMAREDU 2007, pag.19 - 24. – Academia Navala „Mircea cel Batran”, Constanta, noiembrie 2007, ISBN 978-973 –8303-84-3; ISBN 978-973 –8303-94-2.</p>
Articole susținute la conferințe naționale	

Data : 08.11.2018

Semnatura

