



Curriculum vitae Europass

Informații personale

Nume / Prenume **MURARIU, GABRIEL**
Adresă(e) , Galați, Romania
Telefon(oane) Mobil: +40-740126940
Fax(uri) (+40) 236 461 353
E-mail(uri) gabriel.murariu@ugal.ro, gabriel_murariu@yahoo.com
Naționalitate(-tăți) Romana
Data nașterii 06 Octombrie 1967
Sex masculin

Locul de muncă vizat /
Domeniul ocupațional **Universitatea Dunărea de Jos – Galați**
Profesor

Experiența profesională

Perioada

De la - Până la	Locul	Instituția	Funcția	Descriere
1. oct. 2013 prezent	Galați	Univ. Galați Catedra de Fizică	Conf. Univ Habil. Doctor	<ul style="list-style-type: none">• Predarea noțiunilor de fizică studenților la licența și master• Cercetare
1. oct. 2006 1. oct. 2013	Galați	Univ. Galați Catedra de Fizică	lector Doctor	<ul style="list-style-type: none">• Predarea noțiunilor de fizică studenților la licența și master• Cercetare
1. mar. 2003 - 1. oct. 2006	Galați	Univ. Galați Catedra de Fizică	Șef Lucrări	<ul style="list-style-type: none">• Predarea noțiunilor de fizică studenților în cadrul orelor de laborator și seminar
1. oct. 2000- 1. mar. 2003	Galați	Univ. Galați Catedra de Fizică	Asistent	<ul style="list-style-type: none">• Predarea noțiunilor de fizică studenților în cadrul orelor de laborator și seminar
1. oct. 1992- 1. Oct. 2000	Galați	Liceul Economic "Virgil Madgearu" Colegiul Național V. Alecsandri	Profesor Gr. II	<ul style="list-style-type: none">• Predarea noțiunilor de fizică școlară

ResearcherID: C-5945-2012

URL: <http://www.researcherid.com/rid/C-5945-2012>

ORCID1: <http://orcid.org/0000-0003-1877-8665>

ORCID2: <http://orcid.org/0000-0002-7107-2007>

Funcția sau postul ocupat
Activități și responsabilități principale

Numele și adresa angajatorului

Tipul activității sau sectorul de activitate

Conf. Univ. dr.

Didactic

Cercetare / îndrumare doctoranzilor din cadrul Departamentului/ sef laborator LASAC
(<http://eris.gov.ro/European-Centre-of-Excellenc-1>)

Universitatea Dunarea de Jos – Galati (<http://www.ugal.ro/>)

Str. Domneasca nr 47, Galati - 800008, ROMANIA

TEL : ++40-236-460328

Didactic / Cercetare/

Educație și formare

Perioada

Instituția de învățământ [De la – Până la]	Calificarea(ările) sau Diploma(ele) obținută(e):
Universitatea „Vasile Alecsandri „ Bacau (2017)	Teza de abilitare – Ingineria Mediului Ordinul Ministrului Educației Naționale nr. 3691/13.04.2017
Facultatea de Științe si Mediu– Universitatea “Dunărea de Jos ” – Galati 2011 - 2013	Studii de masterat – Monitorizarea si managementul mediului
Facultatea de Științe Economice – Universitatea “Dunărea de Jos ” – Galati 2005 - 2006	Studii de masterat – Managementul Proiectelor Europene
Facultatea de Știința Calculatoarelor – Universitatea “Dunărea de Jos ” – Galati 2005 - 2007	Studii de masterat – Sisteme Informatice de Conducere Avansată
Facultatea de Fizică – Universitatea “Al. I Cuza” Iași 2000 - 2006	Doctorat în Fizică Specialitatea Fizică teoretică Distincție Cum Laudae
Facultatea de Fizică – Universitatea București August 1997	Gradul II ca profesor de Fizică
Facultatea de Fizică – Universitatea București August 1994	Definitivatul ca profesor de Fizică
Facultatea de Fizică – Universitatea București 1987 - 1992	Licențiat în Fizică Specialitatea Fizică teoretică
Liceul de Matematică – Fizică “Vasile Alecsandri” – Galati 1982- 1986	Operator calculatoare

Calificarea / diploma obținută

2017 – Abilitare conducere de doctorat – Ingineria Mediului

2006 - Doctor în Fizică– Fizica Teoretica

1992 - Licențiat în Fizică

2007 - masterat – Sisteme Informatice de Conducere Avansată

2013 - masterat – Monitorizarea si managementul mediului

2006 - masterat – Managementul Proiectelor Europene

Aptitudini și competențe personale

Limba(i) maternă(e)

Limba materna – Limba Romana

Limba(i) străină(e) cunoscută(e)

Autoevaluare

Nivel european (*)

**Limba
Engleza**

Înțelegere		Vorbire		Scriere
Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă
C2	C2	C1	B2	C2

Pagina / - Curriculum vitae

Murariu Gabriel

Scriitura:


Limba Franceza	B2	B1	B1	B1	C1
Limba Rusa	B2	C2	B1	B1	B1
Limba Germana	A2	A2	A2	A2	B1

Competențe și aptitudini organizatorice

Responsabil proiect cercetare

Contract nr 606-21.01.2013 Terți - director proiect (2013)
 Contract nr 138-13.02.2013 - director proiect (2013)
 Contract nr 658/24.06.2015 Terți - director proiect (2015)

Membru in echipa proiecte de cercetare

- Contract CNCSIS 1160/2006 - director Prof. Dr. Ciprian Dariescu (2006)
- Contract PNCDI 2 – RiskGAL – director Prof. Dr. Mirela Praisler (2007) (<http://www.phys.ugal.ro/RiskGal/index.htm>)
- Contract PNCDI 2 – Arheopolice – director Prof. Dr. Mirela Praisler (2007) (<http://www.phys.ugal.ro/Archeopolice/index.htm>)
- Contract PNCDI 2 – SAFIR – director Conf. Dr. Mirela Voicluescu (2007) (<http://www.phys.ugal.ro/>)

Alte tipuri de proiecte naționale

1. Asistent manager proiect 16-1.5-S-6583 SIMBAD (<http://www.posdru.ugal.ro/contact.php>)
2. Asistent manager proiect 88-1.5-S-61445 EFICIENT (<http://www.posdru.ugal.ro/eficient/contact.php>)
3. Asistent manager proiect 107-1.5-S-78622 TOP ACADEMIC (<http://www.posdru.ugal.ro/topacademic/contact.php>)
4. Responsabil monitorizarea doctoranzilor proiect POSDRU/159/1.5/S/138963 – PERFORM (<http://www.perform.ugal.ro/>)
5. Responsabil monitorizarea grup ținta – proiect POSDRU/144/6.3/S/129743 (<http://www.posdru.ugal.ro/progres/evenimente.php>)

Alte tipuri de proiecte

membru in echipa de management - proiect Impact - TIMSID director Prof. Dr. Luminita Moraru (2007)

Competențe și aptitudini tehnice

Aplicarea cunoștințelor de fizica și matematica în modelarea sistemelor complexe
 - STATISTICAL ANALYSIS AND CADASTRAL APPLICATIONS LABORATORY (LASAC) (<http://erris.gov.ro/European-Centre-of-Excellenc-1>)
 - dezvoltare de aplicații și sisteme informatice hardware și software
 - **brevet OSIM - Model industrial F0949-2006 – prin Hotărârea nr., nr. 19662/28.09.2007, (cu numărul de înregistrare al Registraturii OSIM 1047336/08.10.2007)**

Competențe și aptitudini de utilizare a calculatorului

programare – limbaje C++, Delphi, Java,
 - utilizare pachete și platforme de prelucrări numerice și simbolice – MATLAB, MAPLE, R
 - tehnoredactare – MS OFFICE, LATEX
 - sisteme de operare: Windows, Linux, Unix

Competențe și aptitudini artistice

-

Alte competențe și aptitudini

Teorii de câmp – teza doctorat
Gravitație și fizică computațională – teza doctorat
Metode computaționale de cercetare - teza doctorat, articole in reviste cotate ISI
Metode numerice - articole in reviste cotate ISI
Metode statistice de cercetare - articole in reviste cotate ISI
Sisteme de inteligență artificială – articole in reviste cotate ISI

Scopus Author ID: 24528764100

http://adsabs.harvard.edu/cgi-bin/nph-abs_connect?return_req=no_params&author=Murariu,%20Gabriel&db_key=PHY

Permis(e) de conducere

Permis de conducere – categoria B

Informații suplimentare

pagina WEB: http://www.phys.ugal.ro/Gabriel_Murariu/Prezentare.htm

Membru al asociațiilor profesionale:

În străinătate

- Membru al Societății Europene de Fizică

În țară

- Societatea Română de Fizică – membru din 2003

- Societatea Română de Gravitație, membru din 2000

Lista lucrari (selectie)

MURARIU GABRIEL

ResearcherID: C-5945-2012

ORCID: <http://orcid.org/0000-0003-1877-8665>

URL: <http://www.researcherid.com/rid/C-5945-2012>

LISTA COMPLETA A LUCRARILOR ELABORATE ȘI/SAU PUBLICATE A LISTA DE LUCRĂRI IN JURNALE INDEXATE ISI

1. Dariescu MA; Dariescu C; **Murariu G**, Gravitoelectromagnetically induced transitions in charged boson nebulae, EUROPHYSICS LETTERS Volume: 74 Issue: 6 Pages: 978-984 DOI: 10.1209/epl/i2006-10063-3 Published: JUN 2006 [Impact Factor FI (2006) = 2,229] (<http://iopscience.iop.org/article/10.1209/epl/i2006-10063-3>)
2. Dariescu MA; Dariescu C; **Murariu G**, Topological quantum dynamics of charged bosons, CHAOS SOLITONS & FRACTALS Volume: 28 Issue: 1 Pages: 1-7 DOI: 10.1016/j.chaos.2005.05.024 Published: APR 2006, [Impact Factor FI (2006) = 3,042] (<http://www.sciencedirect.com/science/article/pii/S0960077905005199>)
3. Dariescu Ciprian; Dariescu Marina-Aura; **Murariu Gabriel**, TE modes in Einstein's Universe, CHAOS SOLITONS & FRACTALS Volume: 34 Issue: 4 Pages: 1030-1036 DOI: 10.1016/j.chaos.2006.04.070 Published: NOV 2007 [Impact Factor FI (2007) = 3,025] (<http://www.sciencedirect.com/science/article/pii/S0960077906004255>)
4. **Murariu, G**, Dariescu, AM, Dariescu, C, Software approaching of quantized planary dynamics of charged bosons, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 12 Issue: 4 Pages: 927-932 Published: APR 2010 [Impact Factor FI (2010) = 0,33626] (<http://joam.inoe.ro/download.php?idu=2437>)
5. Puscasu, G ; Codres, B Stancu, A **Murariu, G**, Nonlinear system identification based on internal recurrent neural networks, INTERNATIONAL JOURNAL OF NEURAL SYSTEMS Volume: 19 Issue: 2 Pages: 115-125 Published: APR 2009 [Impact Factor FI (2010) = 2,988] (<http://www.worldscientific.com/doi/abs/10.1142/S0129065709001884>) (https://www.researchgate.net/publication/51540639_Nonlinear_system_identification_and_control_based_on_modular_neural_networks)
6. **Gabriel Murariu**, Simona Condurache-Bota, Nicolae Tigau, *Polynomial fitting approach for the Kramers–Kronig method for optical properties computing for bi2o3 fabric*, International Journal of Modern Physics B Vol. 26, No. 07 [Impact Factor FI (2011) = 0,37553] (<http://www.worldscientific.com/doi/abs/10.1142/S021797921250049X>)
7. **Gabriel Murariu**, Simona Condurache-Bota, *Temperature dependence of the optical properties of $Bi_{2-x}O_{3-x}$. A theoretical approach basing on the Kramers-Kronig transformation for polynomial mixed terms models*, Central European Journal of Physics (24 October 2012), pp. 1-8, doi:10.2478/s11534-012-0124-x [Impact Factor FI (2011) = 0,909] (<http://link.springer.com/article/10.2478/s11534-012-0124-x>)
8. C. Iticescu, L. P. Georgescu, **G. Murariu**. *Potential Effects of pH Variation Depending on the Temperature in the Drinking Water Supply System* p, 1324, Vol.13, The Journal of Environmental Protection and Ecology (JEPE) 2012, [Impact Factor FI (2011) = 0,102]

(<http://www.jepe-journal.info/journal-content/vol-13-no-3>)

9. **G. Murariu**, L. Georgescu, C. Iticescu, M. Dobre, V. Gogoncea, *Specific Diffusion Using the Monte Carlo Simulation*, 2007, Vol.13, No 3A, The Journal of Environmental Protection and Ecology (JEPE) 2012, [**Impact Factor FI (2011) = 0,102**] (<http://www.jepe-journal.info/journal-content/vol13-no-3a>)

10. **Gabriel Murariu**, Catalina Iticescu, Lucian Georgescu, Ionut Mocanu, Catalina Topa, Michaela Dobre, THE OPTIMIZATION OF URBAN SELECTIVE WASTE COLLECTION ACTIVITY: GALATI CITY CASE STUDY, Environmental Engineering and Management Journal, October 2015, Vol.14, No. 10, 2471-2492, [**Impact Factor FI (2015) = 1,008**] (http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol14/no10/24_44_Murariu_13.pdf)

11. C. Iticescu, L. P. Georgescu, G. Gurau, M. Murescu, D. Dima, **G. Murariu**, C. Gheorghies, METHODS TO REDUCE ENVIRONMENTAL IMPACT OF MUNICIPAL WASTE WATER SEWAGE SLUDGE, Environmental Engineering and Management Journal, vol. 14, no. 10, p. 2457 – 2463, [**Impact Factor FI (2015) = 1,008**] (http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol14/no10/22_784_Iticescu_14.pdf)

12. **Murariu, G**, Dinescu, A., Murariu, A. G., Condurache-Bota, S., COMPARATIVE DISCUSSION ON GLOBAL MODELS FOR OPTICAL PROPERTIES OF Bi2O3, ROMANIAN JOURNAL OF PHYSICS, Volume: 61, Issue: 3-4, Pages: 626-637, Published: 2016 [**Impact Factor FI (2016) = 1.398**] (http://www.nipne.ro/rjp/2016_61_3-4.html)

13. Timofti, M., Popa, P., **Murariu, G.**, Georgescu, L., Iticescu, C., Barbu, M., COMPLEMENTARY APPROACH FOR NUMERICAL MODELLING OF PHYSICO-CHEMICAL PARAMETERS OF THE PRUT RIVER AQUATIC SYSTEM, JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, Volume: 17, Issue: 1, Pages: 53-63, Published: 2016 [**Impact Factor FI (2016) = 0.838**] (<http://www.jepe-journal.info/journal-content/vol-17-no-1>)

14. Iticescu, C., Georgescu, LP., Topa, C., **Murariu, G.**, MONITORING THE DANUBE WATER QUALITY NEAR THE GALATI CITY, JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY, Volume: 15, Issue: 1, Pages: 30-38, Published: 2014, [**Impact Factor FI (2014) = 0.838**] (<http://www.jepe-journal.info/vol15-no-1-2014>)

15. Mingireanu, F; Georgescu, L; **Murariu, G.**; Mocanu, I, TRAJECTORY MODELING OF GRAD ROCKET WITH LOW-COST TERMINAL GUIDANCE UPGRADE COUPLED TO RANGE INCREASE THROUGH STEP-LIKE THRUST-CURVES, ROMANIAN JOURNAL OF PHYSICS, Volume: 59, Issue: 3-4, Pages: 369-381, Published: 2014 [**Impact Factor FI (2014) = 0.924**] (http://www.nipne.ro/rjp/2014_59_3-4.html) (http://www.nipne.ro/rjp/2014_59_3-4/0369_0381.pdf)

16. **Murariu, G.**; Puscasu, Gh. ., SOLUTIONS FOR MAXWELL-EQUATIONS' SYSTEM IN A STATIC CONFORMAL SPACE-TIME, Conference: 4th National Conference on Applied Physics Location: Galati, ROMANIA Date: SEP 25-26, 2008, ROMANIAN JOURNAL OF PHYSICS Volume: 55 Issue: 1-2 Pages: 47-52 Published: 2010 [**Impact Factor FI (2010) = 0.924**] (http://www.nipne.ro/rjp/2010_55_1-2/0047_0053.pdf)

17. Moraru, Luminita; Ene, Antoaneta; **Murariu, Gabriel**, High-accuracy structure identification of the aluminium eutectic alloys using the colour metallography, ROMANIAN REPORTS IN PHYSICS Volume: 61 Issue: 4 Pages: 700-708 Published: 2009 [**Impact Factor FI (2009) = 0,0912**] (http://www.rpp.infim.ro/2009_61_4.html)

Adrian Burada, Liliana Teodorof, Cristina Despina, Daniela Seceleanu-Odor, Mihaela Tudor, Orhan Ibram, Ion Năvodaru, **Gabriel Murariu**, Cătălina Maria Țopa, Marian Tudor, Trace elements in fish tissue with commercial value, of The Danube Delta Biosphere Reserve, Environmental Engineering and Management Journal March 2017, Vol. 16, No. 3, 731-738 (<http://www.eemj.icpm.tuiasi.ro/issues/vol16no3.htm>)

18. **Murariu, G.**; Ene, Antoaneta, DISCUSSIONS ON A NON-LINEAR FIELDS' EQUATIONS SYSTEM, Conference: 3rd National Conference on Applied Physics Location: Galati, ROMANIA Date: JUN 09-10, 2007, ROMANIAN JOURNAL OF PHYSICS Volume: 53 Issue: 5-6 Pages: 651-657 Published: 2008 [**Impact Factor FI (2008) = 0.00**] (http://www.nipne.ro/rjp/2008_53_5-6.html)

19. Paula Popa, **Gabriel Murariu**, Mihaela Timofti, Lucian Puiu Georgescu, Multivariate statistical analyses of water quality of Danube River at Galati, Romania, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 17 Issue: 5 Pages: 1249-1266 Published: MAY 2018, (<http://omicron.ch.tuiasi.ro/EEMJ/accepted.htm>), [**Impact Factor FI (2015) = 1,008**]

20. **Murariu, G.**; MAPLE Routines for Discrete Symmetry Transformations' Study on Curved Manifolds, Conference: 3rd National Conference on Applied Physics Location: Galati, ROMANIA Date: JUN 09-10, 2007, ROMANIAN JOURNAL OF PHYSICS Volume: 53 Issue: 5-6 Pages: 645-650 Published: 2008 [**Impact Factor FI (2008) = 0.00**] (http://www.nipne.ro/rjp/2008_53_5-6.html)

21. Chesaru, Bianca I.; Dobre, Michaela; **Murariu, Gabriel**; et al., Risk for metabolic syndrome in a group of overweight children from South-East Romania, REVISTA ROMANA DE MEDICINA DE LABORATOR Volume: 21 Issue: 1 Pages: 83-92 Published: MAR 2013, [**Impact Factor FI (2012) = 0.097**] (http://rrml.ro/articole/list_autor.php?q=Bianca%20I.,Chesaru)

22. **Murariu, Gabriel**; Hahuie, Valentin; Murariu, Adrian; et al. FOREST MONITORING METHOD USING COMBINATIONS OF SATELLITE AND UAV AERIAL IMAGES. CASE STUDY BALABANESTI FOREST, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE Volume: 8 Issue: 4 Pages: 703-714 Published: OCT-DEC 2017

23. **Murariu, Gabriel**; Hahuie, Valentin; Murariu, Adrian Gabriel; et al., GROWTH RATE MODELING FOR WHITE POPLAR IN THE SOUTH EASTERN PART OF ROMANIA: AN IMPORTANT ISSUE OF FOREST CONSERVATION, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE Volume: 8 Issue: 2 Pages: 303-316 Published: APR-JUN 2017

24. Romana Drasovean, **Gabriel Murariu**, Gigi Constantinescu, Adrian Circiumaru, Assessment of surface water quality of Danube River in terms of water quality index and correlation analyses, acceptat in **Revista de Chimie** [**Impact Factor FI (2017) = 1.412**]

25. Popa, P; Murariu, G; Timofti, M; Georgescu, L.P., Multivariate Statistical Analyses of Danube River water quality at Galati, Romania, **Environmental Engineering and Management Journal**, Volume: 17, 5, 1249-1266, 2018 [**Impact Factor FI (2017) = 1.334**]

26. Romica Cretu, Adrian Circiumaru, **Gabriel Murariu**, Effect of liquid detergents on the biochemical parameters of some plantlets, **MATERIALE PLASTICE** 55, No. 4 – 2018 [**Impact Factor FI (2017) = 1.248**]

27. Gabriel Murariu, Razvan Adrian Mahu, Adrian Gabriel Murariu, Mihai Daniel Dragu, Lucian P. Georgescu, Bogdan G. Carp, Using ANSYS for design and numerical study of a specific fixed wing UAV, **MATERIALE PLASTICE**, 55, No. 4 – 2018 [**Impact Factor FI (2017) = 1.248**]

28. **Gabriel Murariu**, Mihaela Timofti, Ionelia Săvinuță, Adrian Murariu, Catalina Iticescu, Lucian Gerogescu, Marian Tudor, George Danut

Mocanu, Seasonal statistical analysis of the quality of underwater supplies in South-Eastern Romania, acceptat in **Revista de Chimie [Impact Factor FI (2017) = 1.412]**

29. L. Dinca, O. Badea, G. Guiman, C. Braga, V. Crisan, V. Greavu, **G. Murariu**, L. Georgescu, Monitoring of soil moisture in Long-Term Ecological Research (LTER) sites of Romanian Carpathians, acceptat in Annals of Forest Research. 2018 **[Impact Factor FI (2017) = 1.320]** (<http://www.afrijournal.org/index.php/afri/article/view/1188>)

30. Adrian ROȘU, Bogdan ROȘU, Daniel-Eduard CONSTANTIN, Maxim ARSENI, Mirela VOICULESCU, Lucian Puiu GEORGESCU, **Gabriel MURARIU**, Ionel POPA, overview of tropospheric NO₂ using OMI observations and human perception about air quality for the most polluting countries over the world, acceptat in Carpathian Journal of Earth and Environmental Sciences. 2018 **[Impact Factor FI (2017) = 0.671]**

B. TEZA DE DOCTORAT / PhD Thesis

Probleme de cuantificare a campurilor fizice pe spatii curbe

Quantifying fields problems on curved space-times

Univ. Al. I. Cuza – Iasi (2006) – calificativul – Cum Laude

B. TEZA DE ABILITARE / Habil Thesis

Modele matematice utilizate in studiul proceselor si fenomenelor de mediu

Mathematical models used in the study of environmental processes and phenomena

Univ. Vasile Alecsandri – Bacau (2017) – OMEN 3691-13.04.2017

C. BREVETE

- - Model industrial F0949-2006 – prin Hotărârea nr., nr. 19662/28.09.2007, (cu numarul de înregistrare al Registraturii OSIM 1047336/08.10.2007)

D. CARȚI ȘI CAPITOLE ÎN CARȚI / Books and book chapters

[D1] Prim Autor

1. **G. Murariu**, C. Tudose, R. Drașovean, L. Enache, "Mecanică Fizică și Acustică , Lucrări de Laborator", Editura Fundatiei Universitare „Dunarea de Jos” Galati, 2004 (99 pagini) 2004 – ISBN-973-627-155-2.

- 2. G. Murariu, D. Toma, N. Tigau, "Modelarea Fenomenelor Fizice - Lucrări de Laborator", Editura Universității București (235 pagini) 2005 – ISBN-973-627-155-2.

-3. **G. Murariu**, "Modelarea și Simulare - Lucrări de Laborator", Editura Universității București (156 pagini) 2006 – ISBN (10)-973-558-264-3 - ISBN (13)-978-973 - 558-264-7

4. **G. Murariu**, "Probleme de cuantificare pe spatii curbe", Editura Universității București (274 pagini) 2009 – ISBN 978-973-558-342-0

5. **G. Murariu**, "Probleme de Fizica- vol I", Editura Fundatiei Universitare „Dunarea de Jos” Galati, 2008 (140 pagini) – ISBN 978-973-558-342-0

6. **G. Murariu**, "Probleme de Mecanica fizica si acustica", Editura Fundatiei Universitare „Dunarea de Jos” Galati, 2008 (98 pagini) – ISBN 978-973-558-342-0

7. Gabriel Murariu „Fizica statistica si computationala - Aspecte contemporane si aplicatii” Galati University Press – ISBN 978-606-696-131-8.

8. Gabriel Murariu, Dan Munteanu. Lucrări practice de identificare, modelare și simulare a proceselor fizice, Galați University Press, 2018 ISBN 978-606-696-129-5

[D2] Coautor

1. M. Voiculescu, C. Tudose, L. Moraru, N. Tigau, **G. Murariu**, "Fizică – Lucrări practice de laborator", Editura Fundației Universitare "Dunărea de Jos" Galați -2001 –ISBN -973-8352-77-0

2. D. Toma, **G. Murariu**, "Fizică moleculară și Căldură – note de curs", Editura Fundației Universitare "Dunărea de Jos" Galați - (195 pagini) 2002 – ISBN -973-8352-77-02.
3. D. Toma, **G. Murariu**, M. Voiculescu "Fizică – Lucrări practice de Fizică Moleculară și Căldură", Editura Fundației Universitare "Dunărea de Jos" Galați (115 pagini)-2002 –ISBN -973-8132-77-3
4. D. Toma, **G. Murariu**, "Fizică – Lucrări practice de Fizică Moleculară și Căldură", Editura Fundației Universitare "Dunărea de Jos" Galați (104 pagini)-2003 –ISBN -973-7452-77-2
5. D. Toma, **G. Murariu**, "Elemente Termodinamică Fenomenologică și Fizică Statistică – note de curs", Editura Fundației Universitare "Dunărea de Jos" Galați - (225 pagini) 2005 – ISBN-973-627-215-X.
6. Alexandrina Nat, Antoaneta Ene, C. Tudose, N. Velican, C. Gheorghies, P. Vieriu, V. Sahlean, E. Toma, N. Țigău, **G. Murariu**, Simona Condurache-Bota, L. Enache "Fizică. Teste grilă pentru bacalaureat și admitere în învățământul superior", Editura Fundației Universitare "Dunărea de Jos", Galați, (261 pagini), 2003, ISBN-973-627-024-6.
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E. ARTICOLE/STUDII IN EXTENSO INDEXATE ISI WEB of SCIENCE - PUBLICATE IN CULEGERI DE ARTICOLE DIN FLUXUL STIINTIFIC INTERNATIONAL PRINCIPAL

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