

# Curriculum vitae Europass

## Informații personale

Nume / Prenume **MURARIU, GABRIEL**  
 Adresă(e) , Galați, Romania  
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 E-mail(uri) [gabriel.murariu@ugal.ro](mailto:gabriel.murariu@ugal.ro), gabriel\_murariu@yahoo.com  
 Naționalitate(-tăți) Romana  
 Data nașterii 06 Octombrie 1967  
 Sex masculin

## Locul de muncă vizat / Domeniul ocupațional

### Experiența profesională

Perioada

| De la - Până la                   | Locul  | Instituția                                                                 | Funcția                      | Descriere                                                                                                                               |
|-----------------------------------|--------|----------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 1. oct. 2017<br>prezent           | Galați | Univ. Galați ,<br>Departamentul de<br>Chimie, Fizica si<br>Mediu           | Prof. Univ. Habil.<br>Doctor | <ul style="list-style-type: none"> <li>• Predarea noțiunilor de fizică studenților la licența și master</li> <li>• Cercetare</li> </ul> |
| 1. oct. 2013<br>1. oct. 2017      | Galați | Univ. Galați<br>Departamentul de<br>Chimie, Fizica si<br>Mediu             | Conf. Univ. Habil.<br>Doctor | <ul style="list-style-type: none"> <li>• Predarea noțiunilor de fizică studenților la licența și master</li> <li>• Cercetare</li> </ul> |
| 1. oct. 2006<br>1. oct. 2013      | Galați | Univ. Galați<br>Departamentul de<br>Chimie, Fizica si<br>Mediu             | lector Doctor                | <ul style="list-style-type: none"> <li>• Predarea noțiunilor de fizică studenților la licența și master</li> <li>• Cercetare</li> </ul> |
| 1. mar. 2003<br>-<br>1. oct. 2006 | Galați | Univ. Galați Catedra<br>de Fizică                                          | Șef Lucrări                  | <ul style="list-style-type: none"> <li>• Predarea noțiunilor de fizică studenților în cadrul orelor de laborator și seminar</li> </ul>  |
| 1. oct. 2000-<br>1. mar. 2003     | Galați | Univ. Galați Catedra<br>de Fizică                                          | Asistent                     | <ul style="list-style-type: none"> <li>• Predarea noțiunilor de fizică studenților în cadrul orelor de laborator și seminar</li> </ul>  |
| 1. oct. 1992-<br>1. Oct. 2000     | Galați | Liceul Economic<br>"Virgil Madgearu"<br>Colegiul Național V.<br>Alecsandri | Profesor<br>Gr. II           | <ul style="list-style-type: none"> <li>• Predarea noțiunilor de fizică școlară</li> </ul>                                               |

**ResearcherID: C-5945-2012**

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

BRAINMAP CODE U-1700-029P-2542

<https://scholar.google.com/citations?user=p152f-8AAAAJ&hl=ro>

Funcția sau postul ocupat

Activități și responsabilități principale

Numele și adresa angajatorului

Tipul activității sau sectorul de activitate

## Educație și formare

Perioada

Prof. Univ. dr. Habil. Fiz. – Universitatea Dunarea de Jos din Galati

Didactic

Cercetare / îndrumare doctoranzilor din cadrul Centrul european de excelență pe probleme de mediu (<https://eeris.eu/ERIF-2000-000U-0828>)

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

Str. Domneasca nr 47, Galati - 800008, ROMANIA

TEL : ++40-236-460328

Didactic / Cercetare/

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

| Înțelegere |    |        |    | Vorbire                    |    |              |    | Scriere          |    |
|------------|----|--------|----|----------------------------|----|--------------|----|------------------|----|
| Ascultare  |    | Citire |    | Participare la conversație |    | Discurs oral |    | Exprimare scrisă |    |
|            | C2 |        | C2 |                            | C1 |              | B2 |                  | C2 |
|            | B2 |        | B1 |                            | B1 |              | B1 |                  | C1 |
|            | B2 |        | C2 |                            | B1 |              | B1 |                  | B1 |
|            | A2 |        | A2 |                            | A2 |              | A2 |                  | B1 |

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

Alte competențe și  
aptitudini

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

## RESPONSABIL SI PARTICIPĂRI PROIECTE

1. (15.10.2007 - 15.09.2010) **proiect** PN-II-PC – 81-009 Straturi frontiera si structuri de sarcina in plasmele circumplanetare - SAFIR - **membru**
2. (28.09.2007 -30.04.2010) **proiect** PN-II-PC – 81-041 Sistem expert arheometric pentru combaterea inteligenta a traficului cu valori ale patrimoniului cultural- ARCHEOPOLICE - **membru**
3. (1.10 2008 - 30.09.2011) **proiect** POSDRU 16-1.5-S-6583 SIMBAD ( <http://www.posdru.ugal.ro/> ) Sistem de Management al Burselor Acordate Doctoranzilor - SIMBAD - **Asistent manager**
4. (1.10 2009 - 30.10.2012) **proiect** POSDRU/88/1.5/S/61445 EFICIENT ( <http://www.posdru.ugal.ro/> ) Eficientizarea activității studenților din cadrul ciclului de studii doctorale-EFICIENT - **Asistent manager 1**
5. (1.10 2009 - 31.10.2012) **proiect** POSDRU/211.5/S/19524 - Creșterea calității in formarea cercetătorilor pe baza programelor doctorale îmbunătățire prin parteneriat (pHd Expert) - **membru**
6. (1.10 2009 - 31.10.2012) **proiect** POSDRU/211.5/S/19524 - Creșterea calității in formarea cercetătorilor pe baza programelor doctorale îmbunătățire prin parteneriat (pHd Expert) - **Administrator baze date**
7. (1.12 2010 - 30.11.2013) **proiect** POSDRU/107/1.5/S/ - 76822 ( <http://www.posdru.ugal.ro/> ) - Calitatea si continuitatea formarii in cadrul ciclului de studii doctorale - TOP ACADEMIC - **Asistent Manager 1**
8. (01.11.2011 - 30.11.2013) **Proiect** TEMPUS - 511044- 2010-1-UK-JPCR Modernisation of Post Graduate Studies in Chemistry an Chimistry Related Programmes - **membru**
9. (21.03.2013- 30.09.2013) **Proiect TERTI** 606/21.01.2013 Modelarea si studiu numeric al unui sistem UAV de tip aripa zburătoare - **director**
10. (13.02.2013- 30.09.2015) **Proiect TERTI** 138/13.02.2013 Studiul referitor la interacțiunea electronilor cu grafena in procesul de litografie cu fascicul de electroni - **director**
11. (08.04.2014 - 31.12.2015) **proiect** POSDRU/159/1.5/S/138963 – PERFORM ( <http://www.perform.ugal.ro> ) Performanța sustenabilă în cercetarea doctorală și post doctorală. – **Responsabil monitorizarea doctoranzilor**
12. (01.08.2013 - 09.07.2015) **proiect** MIS-ETC no. 1475/09.07.2013 Black Sea Buiding Energy Efficiency Plan Innovative Instruments for Environmental Analysis in North Western Blacjk Sea basin (Black Sea e-Eye) - **membru**
13. (02.05.2014 - 15.12.2015) **proiect** POSDRU/144/6.3/S/129743 ( <http://www.posdru.ugal.ro/> progres/ ) Susținerea egalității de șanse și promovarea profesională a femeilor – PROGRES - **Responsabil monitorizarea grup ținta**
14. (22.05.2014 - 05.11.2015) **proiect** POSDRU 156/1.2/G/141248 - Sistem de calitate si internaționalizare in invatamantul superior din filiera TURISM - MEDIU - CULTURA - **membru**
15. (24.06.2015- 30.09.2017) **Proiect TERTI** 658/24.06.2015 Identificarea si implementarea unor metode modern de monitorizare - **director**
16. (27.10.2016 - 30.10.2018) **proiect** Bridge Grant nr. 79BG/2016 – PN III P2-2.1. 2016 -0307 Eficientizarea procesului tehnologic de obținere a nămolurilor de epurare utilizabile in agricultura EFICIENT - **cercetator**
17. (15.06.2016 - 31.12.2016) **proiect** CNFIS - FDI – 2016- 0029 Calitate, mobilitate si diversitate in contextul internaționalizării activităților Universității Dunarea de Jos din Galați - **membru**
18. (19.06.2017 - 15.12.2017) **proiect** CNFIS - FDI – 2016 - 0050 Excelenta in educație si cercetarea stiintifica in contextul internaționalizării activităților Universității Dunarea de Jos din Galați - **membru**
19. (19.09.2017 - 15.07.2019) **proiect** ROSA STAR 505 / 2017 Tehnical assistance for a Romanian Amtosferic Observation System (RAMOS) - **membru**
20. (06.11.2017 - 10.12.2018) **Proiect Sectorial** MCI – 1PS - 01/03.11.2017 - „Strategie si metode pentru stimularea promovării rezultatelor activității de cercetare si noi instrumente pentru dezvoltarea pieței CDI” – 1PS Cercetător fizica – chimie - **membru**

21. (07.11.2017 - 24.04.2018) **Proiect Sectorial** MCI – 3PS / 02.11.2017 - „Cercetări în sprijinul dezvoltării capacității de evaluare și atenuare a impactului schimbărilor climatice și a altor factori de stress asupra stării ecosistemelor forestiere și a culturilor viticole” – 3PS - **Responsabil proiect**
22. (24.04.2017 - 10.12.2018) **Proiect Sectorial** MCI – 3PS / 02.11.2017 - „Cercetări în sprijinul dezvoltării capacității de evaluare și atenuare a impactului schimbărilor climatice și a altor factori de stress asupra stării ecosistemelor forestiere și a culturilor viticole” – 3PS - **membru**
23. (07.11.2017 - 10.12.2018) **Proiect Sectorial** MCI – 4PS/02.11.2017 - „Cercetări în sprijinul dezvoltării capacității de monitorizare, evaluare și valorificare a resurselor naturale oferite de zonele umede de importanță internațională din România și zona costieră a Mării Negre” – 4PS - **Responsabil proiect**
24. (07.11.2017 - 10.12.2018) **Proiect Sectorial** MCI – 6PS/02.11.2017 - Cercetări în sprijinul modernizării sistemului național de monitorizare a ecosistemelor silvice prin utilizarea tehnicilor de teledetecție și a sistemelor de tip UAV – 6PS - **Responsabil proiect**
25. (07.05.2018 - 14.12.2018) **proiect** CNFIS - FDI – 2018 - 0054 ”Internaționalizarea activităților academice și a cercetării și a cercetarea în Universitatea Dunarea de Jos din Galați” - **membru**
26. (15.05.2018 - 30.06.2019) **proiect** PNCDI – III contract 4/07.05.2018 - Strategie și acțiuni pentru pregătirea participării naționale la proiectului DANUBIUS-RI - **membru**
27. (21.09.2018 - 01.09.2020) **proiect** POCU 90/6.13/6.14/107814 Program eficient de pregătire practică a studenților în domeniul protecției și monitorizării mediului membru – PROMEDIU - **membru**
28. (12.02.2019 - 10.08.2021) **proiect** POCU 320/6/21/121659 Invatamant tertiar inovativ corelat cu strategia de dezvoltare inteligenta - **membru**
29. (28.05.2019 - 20.12.2019) **proiect** CNFIS-FDI-2019 -0084 Responsabilitate, eficienta și performanță prin internaționalizarea învățământului superior - **membru**
30. (21.09.2018 - 01.09.2020) **proiect** POCU 380/6/13/123847 Excelența academică și valori antreprenoriale – sistem de burse pentru asigurarea oportunităților de formare și dezvoltare a competențelor antreprenoriale ale doctoranzilor și post doctoranzilor (ANTREPRENORDOC) - **membru**
31. (15.07.2019- 30.06.2022) **proiect** POIM /178/4/1/ 123322/ Contract nr 253/18.09.2019/POIM/ 123322 „Revizuirea planului de management și a regulamentului RBDD” - **Membru responsabil desfășurare activități coordonare și management**
32. (15.07.2019- 30.06.2022) **proiect** POIM /178/4/1/ 123322/ Contract nr 253/18.09.2019/POIM/ 123322 „Revizuirea planului de management și a regulamentului RBDD” **Membru – specialist analize statistice**
33. (21.11.2019- 12.12.2022) **Proiect TERTI** 759/18.06.2019 “Lucrări privind identificarea parametrilor și a metodelor de determinare a acestora cu scopul cuantificării emisiilor și absorbțiilor de gaze cu efect de seră din sectorul LULUCF cu aplicabilitate în zona pilot din cadrul proiectului cu denumirea “ Determinarea metodologiei și a coeficienților specifici României în vederea cuantificării emisiilor și absorbțiilor de GES în vederea cuantificării schimbărilor climatice” nr Contract 4PS/03.09.2019 - **Cercetător fizica**
34. (22.04.2020 - 18.12.2020) **proiect** CNFIS-FDI-2020 -0094 “Calitate, educație și dimensiunea internațională la Universitatea Dunarea de Jos” - **membru**
35. (19.08.2020 - 31.12.2023) **proiect** 309/10.07.2020 – POC 127065 Sistem integrat pentru cercetarea și monitorizarea complexă a medului în aria fluviului Dunarea - REXDAN – **membru**
36. (01.10.2020 - 31.12.2023) **proiect** POIM /178/4/1/ 120890/ Contract nr 273/27.09.2019 “Îmbunătățirea condițiilor hidrologice în habitatele naturale acvatice din Rezervația Biosferei Delta Dunării pentru conservarea biodiversității și a resurselor halieutice – Complexele lacustre Gorgova Uzlina, Roșu – Puiu” (contract 273/27.09.2019) - **Cercetător statistica**

37. (05.03.2021 - 31.12.2023) **proiect** POIM /178/4/1/ 120889/ Contract nr 274/27.09.2019 “Îmbunătățirea condițiilor hidrologice în habitatele naturale acvatice din Rezervația Biosferei Delta Dunării pentru conservarea biodiversității și a resurselor halieutice – Complexele lacustre Sontea – Furtuna, Matia – Merhei Somova” (contract 273/27.09.2019) - **Cercetător statistică**
38. (15.07.2022 - 05.12.2023) **proiect** POCU 993/6/13/153299 Program pentru creșterea performanței și inovării în cercetare doctorală și postdoctorală de excelență - PROINVENT - **membru**
39. (03.06.2022- 15.12.2022) **proiect** GI- 14883 / 11.05.2022 “Susținerea și dezvoltarea activităților CDI-TT în Universitatea Dunărea de Jos din Galați / Utilizarea IoT și AI în optimizarea managementului arealului forestier” - **Membru**
40. (16.05.2022 - 15.12.2023) **proiect Grant Intern** – FSM 14886 / 11.05.2022 Grant intern de cercetare în domeniul ingineriei Mediului privind studiul distribuției factorilor poluanți în zona de Sud Est a Europei -**director**
- 41 (09.06.2022 – 29.03.2023) **proiect** Contract nr. 2 SOFT 139 “Advanced nanotechnology-based approaches to waste water purification from organic pollutants and their monitoring in water bodies” **membru**
42. (01.03.2025 – 07.07.2025) proiect Contract CNCS/CCCDI - UEFISCDI, proiect number PN-IV-P8-8.1-PRE-HE-ORG-2024-0212, - PNCDI IV- **membru**

## Lista lucrări (selectie)

**MURARIU GABRIEL**

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

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

- Enescu, Cristian Mihai; Mihalache, Mircea; Ilie, Leonard; Dinca, Lucian; Chira, Danut; Vasic, Andela; **Murariu, Gabriel**, Advancing the Sustainability of Poplar-Based Agroforestry: Key Knowledge Gaps and Future Pathways, SUSTAINABILITY, Volume: 18, Issue: 1, Article Number: 341, DOI: 10.3390/su18010341, Review DEC 29 2025, Publication Year: 2025, eISSN: 2071-1050, UT (Unique ID): WOS:001657669000001, <https://www.mdpi.com/2071-1050/18/1/341>, [impact factor=3.3]
- Peticila, Adrian; Iliescu, Paul Gabor; Dinca, Lucian; Popa, Andy-Stefan; **Murariu, Gabriel**, Vegetation Indices from UAV Imagery: Emerging Tools for Precision Agriculture and Forest Management, AGRIENGINEERING, Volume: 7, Issue: 12, Article Number: 431, DOI: 10.3390/agriengineering7120431, Review, DEC 14 2025, Publication Year: 2025, eISSN: 2624-7402, UT (Unique ID): WOS:001645938600001, <https://www.mdpi.com/2624-7402/7/12/431> [impact factor=3.0]
- Enescu, Cristian Mihai; Mihalache, Mircea; Ilie, Leonard; Dinca, Lucian; Chira, Danut; **Murariu, Gabriel**, HIDDEN TREASURES OF THE FORESTS: MANAGEMENT, ECONOMIC POTENTIAL, AND SUSTAINABLE USE OF EDIBLE MUSHROOMS, AGROLIFE SCIENTIFIC JOURNAL, Volume: 14, Issue: 2, 63 – 76, Article DEC 2025, Publication Year: 2025, ISSN: 2285-5718, eISSN: 2286-0126, UT (Unique ID): WOS:001655797800006, <https://www.agrolifejournal.usamv.ro/index.php/agrolife/article/view/1365>, [impact factor=0.183]
- Slepetiene, Alvyra; Belova, Olgirda; Fastovetska, Kateryna; Dinca, Lucian; **Murariu, Gabriel**, Advances in Understanding Carbon Storage and Stabilization in Temperate Agricultural Soils, AGRICULTURE-BASEL, Volume: 15, Issue: 23, Article Number: 2489, DOI: 10.3390/agriculture15232489, Review, NOV 29 2025, Publication Year: 2025, eISSN: 2077-0472, UT (Unique ID): WOS:001633938300001, <https://www.mdpi.com/2073-445x/14/9/1909>, [impact factor=3.2]
- Munteanu, Dan; **Murariu, Gabriel**; Lupoaie, Mariana; Dinca, Lucian; Chira, Danut; Popa, Andy-Stefan, Global Perspectives on the Medicinal Potential of Pines (Pinus spp.), FORESTS, Volume: 16, Issue: 12, Article Number: 1772, DOI: 10.3390/f16121772, Review NOV 25 2025, Publication Year: 2025, eISSN: 1999-4907, UT (Unique ID): WOS:001647290200001, <https://www.mdpi.com/1999-4907/16/12/1772>, [impact factor=2.5]
- Enescu, Cristian Mihai; Mihalache, Mircea; Ilie, Leonard; Dinca, Lucian; Timofte, Adrian Ioan; **Murariu, Gabriel**, Afforestation of Degraded Lands: A Global Review of Practices, Species, and Ecological Outcomes, FORESTS, Volume: 16, Issue: 11 Article Number: 1743, DOI: 10.3390/f16111743, Review, NOV 19 2025, Publication Year: 2025, Times Cited, WoS Core: 1, eISSN: 1999-4907, UT (Unique ID): WOS:001624478000001, <https://www.mdpi.com/1999-4907/16/11/1743>, [impact factor=2.5]
- Dinca, Lucian; Constandache, Cristinel; **Murariu, Gabriel**; Antofie, Maria Mihaela; Draghici, Tiberiu; Bratu, Iulian, Environmental Archaeology Through Tree Rings: Dendrochronology as a Tool for Reconstructing Ancient Human-Environment Interactions, HERITAGE, Volume: 8, Issue: 11, Article Number: 482, DOI: 10.3390/heritage8110482, Review, NOV 17 2025, Publication Year: 2025, Times Cited, WoS Core: 1, ISSN: 2571-9408, UT (Unique ID): WOS:001623886500001, <https://www.mdpi.com/2571-9408/8/11/482>, [impact factor=1.9]

8. Buciumeanu, Elena-Cocuta; Guta, Ionela-Catalina; Vizitiu, Diana-Elena; Dinca, Lucian; **Murariu, Gabriel**, From Vines to Ecosystems: Understanding the Ecological Effects of Grapevine Leafroll Disease, APPLIED SCIENCES-BASEL, Volume: 15, Issue: 22, Article Number: 11920, DOI: 10.3390/app152211920, Review, NOV 9 2025, Publication Year: 2025, Times Cited, WoS Core: 1, eISSN: 2076-3417, UT (Unique ID): WOS:001623438700001, <https://www.mdpi.com/2076-3417/15/22/11920>, [impact factor=2.5]
9. Chetan, Felicia; Moraru, Paula Ioana; Rusu, Teodor; Simon, Alina; Dinca, Lucian; **Murariu, Gabriel**, From Contamination to Mitigation: Addressing Cadmium Pollution in Agricultural Soils, AGRICULTURE-BASEL, Volume: 15 Issue: 20, Article Number: 2179, DOI: 10.3390/agriculture15202179, Review, OCT 21 2025, Publication Year: 2025, Times Cited, WoS Core: 1, eISSN: 2077-0472, UT (Unique ID): WOS:001602123300001, <https://www.mdpi.com/2077-0472/15/20/2179>, [impact factor=3.6]
10. Timis-Gansac, Voichita; Dinca, Lucian; Tudose, Nicu Constantin; Constandache, Cristinel; **Murariu, Gabriel**; Cheregi, Gabriel; Motiu, Petrica Tudor; Derecichei, Laura Melinda, Community-based conservation in mountain forests: Patterns, challenges, and policy implications, TREES FORESTS AND PEOPLE, Volume: 22, Article Number: 101041, DOI: 10.1016/j.tfp.2025.101041, Review DEC 2025, Publication Year: 2025, Times Cited, WoS Core: 2, eISSN: 2666-7193, UT (Unique ID): WOS:001596380900001, <https://www.sciencedirect.com/science/article/pii/S2666719325002675>, [impact factor=2.9]
11. Tudor, Ciprian; Constandache, Cristinel; Dinca, Lucian; **Murariu, Gabriel**; Badea, Nicolae Ovidiu; Tudose, Nicu Constantin; Marin, Mirabela, Pine afforestation on degraded lands: a global review of carbon sequestration potential, FRONTIERS IN FORESTS AND GLOBAL CHANGE, Volume: 8, Article Number: 1648094, DOI: 10.3389/ffgc.2025.1648094, Review OCT 2 2025, Publication Year: 2025, Times Cited, WoS Core: 3, eISSN: 2624-893X, UT (Unique ID): WOS:001594281000001, <https://www.frontiersin.org/journals/forests-and-global-change/articles/10.3389/ffgc.2025.1648094/full>, [impact factor=3.2]
12. **Murariu, Gabriel**; Stanciu, Silvius; Dinca, Lucian; Munteanu, Dan, GIS Applications in Monitoring and Managing Heavy Metal Contamination of Water Resources, APPLIED SCIENCES-BASEL, Volume: 15, Issue: 19, Article Number: 10332, DOI: 10.3390/app151910332, Review SEP 23 2025 Publication Year: 2025 Times Cited, WoS Core: 3, eISSN: 2076-3417, UT (Unique ID): WOS:001593436000001, <https://www.mdpi.com/2076-3417/15/19/10332>, [impact factor=2.5]
13. Slepetiene, Alvyra; Belova, Olgirda; Fastovetska, Kateryna; Dinca, Lucian; **Murariu, Gabriel**, Managing Boreal Birch Forests for Climate Change Mitigation, LAND, Volume: 14, Issue: 9, Article Number: 1909, DOI: 10.3390/land14091909, Review SEP 18 2025, Publication Year: 2025, Times Cited, WoS Core: 5 eISSN: 2073-445X, UT (Unique ID): WOS:001581562200001, <https://www.mdpi.com/2073-445x/14/9/1909>, [impact factor=3.2]
14. Achim, Florin; Dinca, Lucian; Chira, Danut; Raducu, Razvan; Chirca, Alexandru; **Murariu, Gabriel**, Sustainable Management of Willow Forest Landscapes: A Review of Ecosystem Functions and Conservation Strategies, LAND, Volume: 14, Issue: 8, Article Number: 1593, DOI: 10.3390/land14081593, Review, AUG 4 2025, Publication Year: 2025, Times Cited, WoS Core: 8, eISSN: 2073-445X, UT (Unique ID): WOS:001558609700001, <https://www.mdpi.com/2073-445X/14/8/1593> [impact factor=3.2]
15. Bratu, Iulian; Dinca, Lucian; Schiteanu, Ionut; Mocanu, George; **Murariu, Gabriel**; Stanciu, Mirela; Zhiyanski, Miglena, Sports in Natural Forests: A Systematic Review of Environmental Impact and Compatibility for Readability, SPORTS, Volume: 13, Issue: 8, Article Number: 250, DOI: 10.3390/sports13080250, Review, JUL 29 2025, Publication Year: 2025, Times Cited, WoS Core: 6, eISSN: 2075-4663, UT (Unique ID): WOS:001558215600001, <https://www.mdpi.com/2075-4663/13/8/250> [impact factor=2.9]
16. **Murariu, Gabriel**; Dinca, Lucian; Munteanu, Dan, Trends and Applications of Principal Component Analysis in Forestry Research: A Literature and Bibliometric Review, FORESTS, Volume: 16, Issue: 7, Article Number: 1155, DOI: 10.3390/f16071155, Review, JUL 13 2025, Publication Year: 2025, Times Cited, WoS Core: 9, eISSN: 1999-4907, UT (Unique ID): WOS:001535716600001, <https://www.mdpi.com/1999-4907/16/7/1155> [impact factor=2.5]
17. Budau, Ruben; Timofte, Claudia Simona Cleopatra; Mirisan, Ligia Valentina; Bei, Mariana; Dinca, Lucian; **Murariu, Gabriel**; Racz, Karoly Alexandru, Living Landmarks: A Review of Monumental Trees and Their Role in Ecosystems, PLANTS-BASEL, Volume: 14, Issue: 13, Article Number: 2075, DOI: 10.3390/plants14132075, Review JUL 7 2025, Publication Year: 2025, Times Cited, WoS Core: 8 ISSN: 2223-7747 UT (Unique ID): WOS:001526161800001, <https://www.mdpi.com/2223-7747/14/13/2075> [impact factor=4.1]
18. Dinca, Lucian; Lupoe, Mariana; **Murariu, Gabriel**; Tupu, Eliza; Munteanu, Dan, CONSERVATION BIODIVERSITY IN SILVER FIR (ABIES ALBA MILL.) FORESTS: A BIBLIOMETRIC REVIEW, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, Volume: 16, Issue: 3, 1529- 1544, DOI: 10.36868/IJCS.2025.03.20, Review JUL-SEP 2025, Publication Year: 2025, Times Cited, WoS Core: 1, ISSN: 2067-533X, eISSN: 2067-8223, UT (Unique ID): WOS:001567677700020, [https://ijcs.ro/public/IJCS-25-03\\_20\\_Dinca.pdf](https://ijcs.ro/public/IJCS-25-03_20_Dinca.pdf), [impact factor=0.8]
19. Dinca, Lucian; Coca, Aurora; Tudose, Nicu Constantin; Marin, Mirabela; **Murariu, Gabriel**; Munteanu, Dan, The Role of Trees in Sand Dune Rehabilitation: Insights from Global Experiences, APPLIED SCIENCES-BASEL, Volume: 15 Issue: 13, Article Number: 7358, DOI: 10.3390/app15137358, Review, JUN 30 2025, Publication Year: 2025, Times Cited, WoS Core: 9, eISSN: 2076-3417, UT (Unique ID): WOS:001526170500001, <https://www.mdpi.com/2076-3417/15/13/7358>, [impact factor=2.5]
20. Dinca, Lucian; **Murariu, Gabriel**; Lupoe, Mariana, Understanding the Ecosystem Services of Riparian Forests: Patterns, Gaps, and Global Trends, FORESTS, Volume: 16, Issue: 6, Article Number: 947, DOI: 10.3390/f16060947, Review, JUN 4 2025, Publication Year: 2025, Times Cited, WoS Core: 16, eISSN: 1999-4907, UT (Unique ID): WOS:001515601900001, <https://www.mdpi.com/1999-4907/16/6/947> [impact factor=2.5]
21. Bratu, Iulian; Dinca, Lucian; Constandache, Cristinel; **Murariu, Gabriel**, Resilience and Decline: The Impact of Climatic Variability on Temperate Oak Forests, CLIMATE, Volume: 13, Issue: 6, Article Number: 119, DOI: 10.3390/cli13060119, Review, JUN 3 2025, Publication Year: 2025, Times Cited, WoS Core: 21, eISSN: 2225-1154, UT (Unique ID): WOS:001514775400001, <https://www.mdpi.com/2225-1154/13/6/119>, [impact factor=3.2]
22. Enescu, Cristian Mihai; Mihalache, Mircea; Ilie, Leonard; Dinca, Lucian; Constandache, Cristinel; **Murariu, Gabriel**, Agricultural Benefits of Shelterbelts and Windbreaks: A Bibliometric Analysis, AGRICULTURE-BASEL, Volume: 15, Issue: 11, Article Number: 1204,

DOI: 10.3390/agriculture15111204, Review, MAY 31 2025, Publication Year: 2025, Times Cited, WoS Core: 17, eISSN: 2077-0472, UT (Unique ID): WOS:001505731800001, <https://www.mdpi.com/2077-0472/15/11/1204>, [impact factor=3.6]

23. Doroftei, Corneliu; **Murariu, Gabriel**; Dobromir, Marius, Porous La-Fe-O Perovskite as Catalyst for Combustion of Volatile Organic Compounds, MATERIALS, Volume: 18, Issue: 9, Article Number: 2008, DOI: 10.3390/ma18092008, Article APR 29 2025, Publication Year: 2025, Times Cited, WoS Core: 1, eISSN: 1996-1944, UT (Unique ID): WOS:001486871100001, <https://www.mdpi.com/1996-1944/18/9/2008>, [impact factor=3.2]

24. Craescu, Mihaela; Bobeica, Carmen; Niculet, Elena; Musat, Carmina; Mihailov, Raul; Bujoreanu, Florin Ciprian; Bujoreanu-Bezman, Laura; **Murariu, Gabriel**; Dobre, Andreea-Georgiana; Nicolescu, Alin Codrut; Tatu, Alin Laurentiu, Clinical and therapeutic aspects in skin cancer: Clinical study in a tertiary center from Romania, ELECTRONIC JOURNAL OF GENERAL MEDICINE, Volume: 22, Issue: 2, em634, DOI: 10.29333/ejgm/15994, Article APR 2025, Publication Year: 2025, Times Cited, WoS Core: 0, ISSN: 2516-3507, UT (Unique ID): WOS:001428168600001, <https://www.ejgm.co.uk/article/clinical-and-therapeutic-aspects-in-skin-cancer-clinical-study-in-a-tertiary-center-from-romania-15994> [impact factor=2.1]

25. Dinca, Lucian; Constandache, Cristinel; Postolache, Ruxandra; **Murariu, Gabriel**; Tupu, Eliza, Timber Harvesting in Mountainous Regions: A Comprehensive Review, FORESTS, Volume: 16, Issue: 3, Article Number: 495, DOI: 10.3390/f16030495, Review, MAR 11 2025, Publication Year: 2025, Times Cited, WoS Core: 16, eISSN: 1999-4907, UT (Unique ID): WOS:001452353300001, [impact factor=2.5]

26. Timis-Gansac, Voichita; Dinca, Lucian; Constandache, Cristinel; **Murariu, Gabriel**; Cheregi, Gabriel; Timofte, Claudia Simona Cleopatra, Conservation Biodiversity in Arid Areas: A Review, SUSTAINABILITY, Volume: 17, Issue: 6, Article Number: 2422, DOI: 10.3390/su17062422, Review, MAR 10 2025, Publication Year: 2025, Times Cited, WoS Core: 17, eISSN: 2071-1050, UT (Unique ID): WOS:001453812300001, <https://www.mdpi.com/2071-1050/17/6/2422> [impact factor=3.3]

27. Calinescu, Viorel; Iticescu, Catalina; Georgescu, Lucian; **Murariu, Gabriel**; Topa, Catalina, Integrating Smart Waste Collection in Tecuci Municipality: A Behavioral Study on User Response and Adaptation, PRESENT ENVIRONMENT AND SUSTAINABLE DEVELOPMENT, Volume: 20, Issue: 2, Article Number: 192020, DOI: 10.47743/pesd2025192020, Article 2025, Publication Year: 2025, ISSN: 1843-5971, eISSN: 2284-7820, UT (Unique ID): WOS:001645075000017, [https://pesd.ro/articole/nr.19/nr.2/pesd2025\\_192020.pdf](https://pesd.ro/articole/nr.19/nr.2/pesd2025_192020.pdf) [impact factor=0.05]

28. Crisan, Vlad; **Murariu, Gabriel**; Lupoae, Mariana; Gridan, Alexandru, DAMAGES CAUSED BY WILD BOARS: A BIBLIOMETRIC REVIEW, SCIENTIFIC PAPERS-SERIES D-ANIMAL SCIENCE, Volume: 68, Issue: 2, Review, 2025, Publication Year: 2025, ISSN: 2285-5750, eISSN: 2393-2260, UT (Unique ID): WOS:001633553100079, <https://animalsciencejournal.usamv.ro/index.php/scientific-papers/current?id=1710> [impact factor=0.3]

29. Dinca, Lucian; Crisan, Vlad; **Murariu, Gabriel**; Tupu, Eliza, THE INTERESTING CASE OF PHOSPHORUS IN FOREST SOILS: A BIBLIOMETRIC REVIEW, SCIENTIFIC PAPERS-SERIES A-AGRONOMY, Volume: 68, Issue: 2, Article 2025, Publication Year: 2025, ISSN: 2285-5785, eISSN: 2285-5807, UT (Unique ID): WOS:001658982800005, <https://agronomyjournal.usamv.ro/index.php/scientific-papers/current?id=2140> [impact factor=0.4]

30. Dinca, Lucian; Crisan, Vlad; **Murariu, Gabriel**; Tupu, Eliza, OXALIS ACETOSSELA IN FORESTS. A SYSTEMATIC BIBLIOMETRIC STUDY OVER THE LAST 47 YEARS, SCIENTIFIC PAPERS-SERIES B-HORTICULTURE, Volume: 69, Issue: 1, Article 2025, Publication Year: 2025, ISSN: 2285-5653, eISSN: 2286-1580, UT (Unique ID): WOS:001603564300092, <https://horticulturejournal.usamv.ro/index.php/scientific-papers/issues?id=1774> [impact factor=0.3]

31. Dinca, Lucian; Crisan, Vlad; **Murariu, Gabriel**; Hahuie, Valentin, THE ECONOMIC VALUE OF FOREST FRUITS. A BIBLIOMETRIC ANALYSIS RESEARCHED DURING THE PERIOD OF 1978 TO 2023, SCIENTIFIC PAPERS-SERIES MANAGEMENT ECONOMIC ENGINEERING IN AGRICULTURE AND RURAL DEVELOPMENT, Volume: 25, Issue: 1, Article, 2025, Publication Year: 2025, Times Cited, WoS Core: 6, ISSN: 2284-7995, eISSN: 2285-3952, UT (Unique ID): WOS:001481821300029, [https://managementjournal.usamv.ro/pdf/vol.25\\_1/Art29.pdf](https://managementjournal.usamv.ro/pdf/vol.25_1/Art29.pdf), [impact factor=0.9]

32. Dinca, Lucian; Crisan, Vlad; Ienasoiu, Gruita; **Murariu, Gabriel**; Drasovean, Romana, Environmental Indicator Plants in Mountain Forests: A Review, PLANTS-BASEL, Volume: 13, Issue: 23, Article Number: 3358, DOI: 10.3390/plants13233358, Review, DEC 2024, Publication Year: 2024, Times Cited, WoS Core: 21, ISSN: 2223-7747, UT (Unique ID): WOS:001376154700001, <https://www.mdpi.com/2223-7747/13/23/3358> [impact factor=4.1]

33. Emil, Crişan Vlad; Lucian, Dinca; Diana, Vasile; **Gabriel, Murariu**; Romana, Drasovean; Danuţ, Mocanu George; Lucian, Georgescu; Andrei, Apafaian, Characteristics of Oak (Quercus petraea(Matt.) Liebl), hornbeam (Carpinus betulusL.) and ash (Fraxinus excelsiorL.) in a plain-low hills-mountains-plateau sequence., Heliyon, Volume: 10, Issue: 20, e39297- e39297, DOI: 10.1016/j.heliyon.2024.e39297, Journal Article 2024-Oct-30, Publication Year: 2024, Times Cited, WoS Core: 2, ISSN: 2405-8440, UT (Unique ID): MEDLINE:39502235, <https://www.sciencedirect.com/science/article/pii/S2405844024153285> [impact factor=3.6]

34. Mocanu, George Danut; Parvu, Carmen; **Murariu, Gabriel**; Szabo, Dan Alexandru, Improving lower body muscle power indicators for non-athlete university students through plyometric exercise, BALNEO AND PRM RESEARCH JOURNAL, Volume: 15, Issue: 3, Article Number: 716, DOI: 10.12680/balneo.2024.716, Article SEP 2024, Publication Year: 2024, Times Cited, WoS Core: 1, ISSN: 2734-844X, eISSN: 2734-8458, UT (Unique ID): WOS:001356759000026, <https://bioclima.ro/Balneo716.pdf>, [impact factor=1.1]

35. Topa, Catalina; **Murariu, Gabriel**; Calmuc, Valentina; Calmuc, Madalina; Arseni, Maxim; Serban, Cecila; Chitescu, Carmen; Georgescu, Lucian, A Spatial-Seasonal Study on the Danube River in the Adjacent Danube Delta Area: Case Study-Monitored Heavy Metals, WATER, Volume: 16, Issue: 17, Article Number: 2490, DOI: 10.3390/w16172490, Article SEP 2024, Publication Year: 2024, Times Cited, WoS Core: 6, eISSN: 2073-4441, UT (Unique ID): WOS:001311827700001, <https://www.mdpi.com/2073-4441/16/17/2490>, [impact factor=3.0]

36. Mocanu, George Danut; Draganescu, Crina Adriana; **Murariu, Gabriel**, The Importance of Basketball for High School Students. Part 1 (Attractiveness Dimension Analysis), REVISTA ROMANEASCA PENTRU EDUCATIE MULTIDIMENSIONALA, Volume: 16, Issue: 2, 245-270, DOI: 10.18662/rrem/16.2/856, Article JUN 2024, Publication Year: 2024, Times Cited, WoS Core: 2, ISSN: 2066-7329, eISSN: 2067-

9270, UT (Unique ID): WOS:001318538200014, <https://lumenpublishing.com/journals/index.php/rrem/article/view/6834> , [impact factor=0.4]

37. Mocanu, George Danut; **Murariu, Gabriel**, The Importance of Basketball for High School Students. Part 2 (Utility Dimension Analysis), REVISTA ROMANEASCA PENTRU EDUCATIE MULTIDIMENSIONALA, Volume: 16, Issue: 2 , 271- 299, DOI: 10.18662/rrem/16.2/857, Article JUN 2024, Publication Year: 2024, ISSN: 2066-7329, eISSN: 2067-9270, UT (Unique ID): WOS:001318538200015, <https://lumenpublishing.com/journals/index.php/rrem/article/view/6835> , [impact factor=0.4]

38. Mocanu, George Danut; (Ivanov) Tureac, Daniela; **Murariu, Gabriel**, Investigating the Possibility of Implementing Kayak-canoe and Rowing Topics in the School Curriculum for the Danube Delta Area, REVISTA ROMANEASCA PENTRU EDUCATIE MULTIDIMENSIONALA, Volume: 16, Issue: 1 , 257-292, DOI: 10.18662/rrem/16.1/822, Article MAR 2024, Publication Year: 2024, ISSN: 2066-7329, eISSN: 2067-9270, UT (Unique ID): WOS:001208109100033, <https://lumenpublishing.com/journals/index.php/rrem/article/view/6506> , [impact factor=0.4]

39. Mocanu, George; Parvu, Carmen; **Murariu, Gabriel**; Szabo, Dan, Effectiveness of ballistic exercises for increasing upper body explosive power in physical education lessons for university students, PHYSICAL EDUCATION OF STUDENTS, Volume: 28, Issue: 3 , 175- 187, DOI: 10.15561/20755279.2024.0306, Article 2024, Publication Year: 2024 Times Cited, WoS Core: 1, ISSN: 2075-5279 , eISSN: 2308-7250, UT (Unique ID): WOS:001260563900006, <https://sportedu.org.ua/index.php/PES/article/view/2030> , [impact factor=0.7]

40. Mocanu, George Danut; **Murariu, Gabriel**; Badicu, Georgian, Variations of explosive strength for the students of the faculty of physical education and sports depending on the type of sports activities, JOURNAL OF MENS HEALTH , Volume: 19, Issue: 10, , 43- 55, DOI: 10.22514/jomh.2023.099, Article, OCT 2023, Publication Year: 2023, , ISSN: 1875-6867, eISSN: 1875-6859 , UT (Unique ID): WOS:001098660000007, <https://www.jomh.org/articles/10.22514/jomh.2023.099> , [impact factor=0.6]

41. Rosu, Bogdan; Mocanu, George Danut; Pila, Mihaela Munteanu; **Murariu, Gabriel**; Rosu, Adrian; Arseni, Maxim, Enhancing the Performance of a Simulated WWTP: Comparative Analysis of Control Strategies for the BSM2 Model, MATHEMATICS, Volume: 11, Issue: 16, Article Number: 3471, DOI: 10.3390/math11163471, Article AUG 2023, Publication Year: 2023, Times Cited, WoS Core: 2, eISSN: 2227-7390, UT (Unique ID): WOS:001055705000001, <https://www.mdpi.com/2227-7390/11/16/3471> , [impact factor=2.2]

42. Mocanu, George Danut; **Murariu, Gabriel**, The influence of the specificity of sports specializations on the values of muscle power for female university students, BALNEO AND PRM RESEARCH JOURNAL, Volume: 14, Issue: 2, Article Number: 563, DOI: 10.12680/balneo.2023.563, Article JUN 2023, Publication Year: 2023, Times Cited, WoS Core: 4, ISSN: 2734-844X, eISSN: 2734-8458, UT (Unique ID): WOS:001028799100001, <https://bioclima.ro/Balneo563.pdf> , [impact factor=1.1]

43. Crisan, Vlad-Emil; Dinca, Lucian; Braga, Cosmin; **Murariu, Gabriel**; Tupu, Eliza; Mocanu, George Danut; Drasovean, Romana, The Configuration of Romanian Carpathians Landscape Controls the Volume Diversity of Picea Abies (L.) Stands, LAND, Volume: 12, Issue: 2, Article Number: 406, DOI: 10.3390/land12020406, Article FEB 2023, Publication Year: 2023, Times Cited, WoS Core: 10, eISSN: 2073-445X, , UT (Unique ID): WOS:000940024300001, <https://www.mdpi.com/2073-445X/12/2/406> , [impact factor=3.2]

44. Mocanu, George D.; **Murariu, Gabriel**; Potop, Vladimir, Differences in explosive strength values for students of the faculty of physical education and sports (male) according to body mass index levels, PEDAGOGY OF PHYSICAL CULTURE AND SPORTS, Volume: 27, Issue: 1, , 71- 83, DOI: 10.15561/26649837.2023.0109, Article 2023, Publication Year: 2023, Times Cited, WoS Core: 4, eISSN: 2664-9837, UT (Unique ID): WOS:000944784400009 <https://sportpedagogy.org.ua/index.php/ppcs/article/view/2132/956> , [impact factor=1.5]

45. Mocanu, George Danut; Postelnicu, Madalina Gabriela; Adam, Andreea Maria; **Murariu, Gabriel**; Potop, Vladimir, Body composition analysis for non-athlete urban schoolgirls in the pubertal stage, PEDAGOGY OF PHYSICAL CULTURE AND SPORTS, Volume: 27, Issue: 3, , 254- 266, DOI: 10.15561/26649837.2023.0310, Article 2023 , Publication Year: 2023, Times Cited, WoS Core: 5, eISSN: 2664-9837, UT (Unique ID): WOS:001034601200010, <https://sportpedagogy.org.ua/index.php/ppcs/article/view/2293> [impact factor=1.5]

46. Danut Mocanu, George; **Murariu, Gabriel**; Onu, Ilie; Badicu, Georgian, The Influence of Gender and the Specificity of Sports Activities on the Performance of Body Balance for Students of the Faculty of Physical Education and Sports, INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, Volume: 19, Issue: 13, Article Number: 7672, DOI: 10.3390/ijerph19137672, Article JUL 2022, Publication Year: 2022, Times Cited, WoS Core: 12, eISSN: 1660-4601, UT (Unique ID): WOS:000824226800001, <https://pubmed.ncbi.nlm.nih.gov/35805329/> [impact factor=0.0]

47. Danut Mocanu, **George**; **Murariu, Gabriel**; Onu, Ilie, The Influence of BMI Levels on the Values of Static and Dynamic Balance for Students (Men) of the Faculty of Physical Education and Sports, JOURNAL OF MENS HEALTH, , Volume: 18, Issue: 7, Article Number: 156, DOI: 10.31083/j.jomh1807156, Article JUL 2022, Publication Year: 2022, Times Cited, WoS Core: 6, ISSN: 1875-6867, eISSN: 1875-6859, UT (Unique ID): WOS:000830277500009, <https://www.jomh.org/articles/10.31083/j.jomh1807156> [impact factor=0.6]

48. Dinca, Lucian; Marin, Mirabela; Radu, Vlad; **Murariu, Gabriel**; Drasovean, Romana; Cretu, Romica; Georgescu, Lucian; Timis-Gansac, Voichita, Which Are the Best Site and Stand Conditions for Silver Fir (Abies alba Mill.) Located in the Carpathian Mountains?, DIVERSITY-BASEL, Volume: 14, Issue: 7, Article Number: 547, DOI: 10.3390/d14070547, Article JUL 2022 Publication Year: 2022, Times Cited, WoS Core: 33, eISSN: 1424-2818 , UT (Unique ID): WOS:000832327900001, <https://www.mdpi.com/1424-2818/14/7/547> , [impact factor=2.1]

49. Danut Mocanu, George; **Murariu, Gabriel**; Munteanu, Dan, Common Issues and Differences in Motivational Support and the Effects of Rugby for the U-15 and U-16 National Teams, SUSTAINABILITY, Volume: 14, Issue: 8 Article Number: 4535, DOI: 10.3390/su14084535, Article APR 2022, Publication Year: 2022, Times Cited, WoS Core: 1 , eISSN: 2071-1050, UT (Unique ID): WOS:000785504200001, <https://www.mdpi.com/2071-1050/14/8/4535> [impact factor=3.3]

50. Mocanu, George Danut; **Murariu, Gabriel**, The Association of Gender and Body Mass Index on the Values of Static and Dynamic Balance of University Students (A Cross-Sectional Design Study), APPLIED SCIENCES-BASEL, Volume: 12, Issue: 8, Article Number: 3770, DOI: 10.3390/app12083770, Article APR 2022, Publication Year: 2022, Times Cited, WoS Core: 5, eISSN: 2076-3417, UT (Unique ID): WOS:000786071700001, <https://www.mdpi.com/2076-3417/12/8/3770> , [impact factor=2.5]

51. Onu, Ilie; Matei, Daniela; Sardaru, Dragos-Petrica; Cascaval, Dan; Onu, Ana; Gherghel, Robert; Serban, Ionela Lacramioara; Mocanu, George Danut; Iordan, Daniel Andrei; **Murariu, Gabriel**; Galaction, Anca-Irina, Rehabilitation of Patients with Moderate Knee Osteoarthritis Using Hyaluronic Acid Viscosupplementation and Physiotherapy, APPLIED SCIENCES-BASEL, Volume: 12, Issue: 6, Article Number:

- 3165, DOI: 10.3390/app12063165, Article MAR 2022, Publication Year: 2022 Times Cited, WoS Core: 13, eISSN: 2076-3417, UT (Unique ID): WOS:000776962400001, [https://www.mdpi.com/2076-3417/12/6/3165?utm\\_source=researchgate.net&utm\\_medium=article](https://www.mdpi.com/2076-3417/12/6/3165?utm_source=researchgate.net&utm_medium=article) [impact factor=2.5]
52. Bobeica, Carmen; Rebegea, Laura; **Murariu, Gabriel**; Dobre, Michaela; Nechita, Aurel; Tatu, Alin Laurentiu; Niculet, Elena; Anghel, Lucretia; Fotea, Silvia; Craescu, Mihaela, Cutaneous adverse reactions in a lung cancer patient treated with pembrolizumab: A case report, EXPERIMENTAL AND THERAPEUTIC MEDICINE, Volume: 23, Issue: 1, Article Number: 15, DOI: 10.3892/etm.2021.10937, Article JAN 2022, Publication Year: 2022, Times Cited, WoS Core: 2, ISSN: 1792-0981 eISSN: 1792-1015, UT (Unique ID): WOS:000719360500001, <https://pubmed.ncbi.nlm.nih.gov/34815767/>, [impact factor=2.3]
53. Mocanu, George D.; **Murariu, Gabriel**; Potop, Vladimir, Optimization of body balance indices according to Body Mass Index categories during physical education lessons for university students, PEDAGOGY OF PHYSICAL CULTURE AND SPORTS, Volume: 26, Issue: 4, , 233- 243, DOI: 10.15561/26649837.2022.0403, Article 2022 Publication Year: 2022 Times Cited, WoS Core: 5 eISSN: 2664-9837, , UT (Unique ID): WOS:000860483500003, <https://sportpedagogy.org.ua/index.php/ppcs/article/view/1933> [impact factor=1.5]
54. Mocanu, George Danut; **Murariu, Gabriel**; Munteanu, Dan, The Influence of Socio-Demographic Factors on the Forms of Leisure for the Students at the Faculty of Physical Education and Sports, INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, Volume: 18, Issue: 23, Article Number: 12577, DOI: 10.3390/ijerph182312577, Article, DEC 2021, Publication Year: 2021, Times Cited, WoS Core: 9, eISSN: 1660-4601, UT (Unique ID): WOS:000735052100001, <https://www.mdpi.com/1660-4601/18/23/12577>, [impact factor=4.6]
55. Mocanu, George Danut; **Murariu, Gabriel**; Iordan, Daniel Andrei; Sandu, Ion, Analysis of the Influence of Age Stages on Static Plantar Pressure Indicators for Karate Do Practitioners (Preliminary Report), APPLIED SCIENCES-BASEL, Volume: 11, Issue: 16, Article Number: 7320, DOI: 10.3390/app11167320, Article AUG 2021 Publication Year: 2021, Times Cited, WoS Core: 7, eISSN: 2076-3417, UT (Unique ID): WOS:000688731400001, <https://www.mdpi.com/2076-3417/11/16/7320>, [impact factor=2.5]
56. **Murariu, Gabriel**; Dinca, Lucian; Tudose, Nicu; Crisan, Vlad; Georgescu, Lucian; Munteanu, Dan; Dragu, Mihai Daniel; Rosu, Bogdan; Mocanu, George Danut, Structural Characteristics of the Main Resinous Stands from Southern Carpathians, Romania, FORESTS, Volume: 12, Issue: 8, Article Number: 1029, DOI: 10.3390/f12081029, Article AUG 2021, Publication Year: 2021, Times Cited, WoS Core: 35, eISSN: 1999-4907, UT (Unique ID): WOS:000690521900001, <https://www.mdpi.com/1999-4907/12/8/1029>, [impact factor=2.5]
57. Mocanu, George Danut; **Murariu, Gabriel**; Georgescu, Lucian; Sandu, Ion  
Investigating the Attitudes of First-Year Students of the Faculty of Physical Education and Sports of Galati towards Online Teaching Activities during the COVID-19 Pandemic, APPLIED SCIENCES-BASEL, Volume: 11, Issue: 14, Article Number: 6328, DOI: 10.3390/app11146328, Article JUL 2021, Publication Year: 2021, Times Cited, WoS Core: 7, eISSN: 2076-3417, UT (Unique ID): WOS:000675906600001, <https://www.mdpi.com/2076-3417/11/14/6328>, [impact factor=2.5]
58. Mocanu, George Danut; **Murariu, Gabriel**; Iordan, Daniel Andrei; Sandu, Ion; Munteanu, Mihaela Orlanda Antonovici, The Perception of the Online Teaching Process during the COVID-19 Pandemic for the Students of the Physical Education and Sports Domain, APPLIED SCIENCES-BASEL, Volume: 11, Issue: 12 Article Number: 5558, DOI: 10.3390/app11125558, Article, JUN 2021, Publication Year: 2021, Times Cited, WoS Core: 19, eISSN: 2076-3417, UT (Unique ID): WOS:000666011700001, [impact factor=2.5]
59. Davidescu, Serban; **Murariu, Gabriel**; Dinca, Lucian; Vasile, Diana; Crisan, Vlad; Cretu, Romica; Georgescu, Lucian; Deca, Sorin, GROWTH POTENTIAL OF HYBRID BLACK POPLAR (POPULUS x CANADENSIS Moench) IN ROMANIA'S EAST PLAIN, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, Volume: 11, Issue: 3, , 807-818, Article, JUL-SEP 2020, Publication Year: 2020, Times Cited, WoS Core: 2, ISSN: 2067-533X, eISSN: 2067-8223, UT (Unique ID): WOS:000573276200017, [https://ijcs.ro/public/IJCS-20-56\\_Davidescu.pdf](https://ijcs.ro/public/IJCS-20-56_Davidescu.pdf), [impact factor=0.3]
60. Dinca, Lucian; **Murariu, Gabriel**; Enescu, Cristian Mihai; Achim, Florin; Georgescu, Lucian; Murariu, Adrian; Timis-Gansac, Voichita; Holonec, Liviu, Productivity differences between southern and northern slopes of Southern Carpathians (Romania) for Norway spruce, silver fir, birch and black alder, NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, Volume: 48, Issue: 2, , 1070- 1084, DOI: 10.15835/nbha48211824, Article APR-JUN 2020, Publication Year: 2020, Times Cited, WoS Core: 27, ISSN: 0255-965X, eISSN: 1842-4309, UT (Unique ID): WOS:000548938200043, <https://www.notulaeobotanicae.ro/index.php/nbha/article/view/11824>, [impact factor=1.3]
61. Buciumeanu, Elena-Cocuta; **Murariu, Gabriel**; Dinca, Lucian; Vizitiu, Diana Elena; Georgescu, Lucian Puiu, The influence of climatic factors on the main phenological phases of grapevines from Stefanesti Viticultural Center, Romania, ROMANIAN BIOTECHNOLOGICAL LETTERS, Volume: 24, Issue: 6, , 1055- 1060, DOI: 10.25083/rbl/24.6/1055.1060, Article, NOV-DEC 2019, Publication Year: 2019, Times Cited, WoS Core: 2, ISSN: 1224-5984, UT (Unique ID): WOS:000505596100017, <https://rombio.unibuc.ro/wp-content/uploads/2022/04/24-6-17.pdf>, [impact factor=0.765]
62. Dinca, Lucian; **Murariu, Gabriel**; Iticescu, Catalina; Budeanu, Marius; Murariu, Adrian, NORWAY SPRUCE (PICEA ABIES (L.) Karst.) SMART FORESTS FROM THE SOUTHERN CARPATHIANS, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, Volume: 10, Issue: 4, , 781-790, Article, OCT-DEC 2019, Publication Year: 2019, Times Cited, WoS Core: 19, ISSN: 2067-533X, eISSN: 2067-8223, UT (Unique ID): WOS:000506680400016, [https://ijcs.ro/public/IJCS-19-70\\_Dinca.pdf](https://ijcs.ro/public/IJCS-19-70_Dinca.pdf), [impact factor=0.3]
63. Rosu, Adrian; Rosu, Bogdan; Constantin, Daniel-Eduard; Arseni, Maxim; Voiculescu, Mirela; Georgescu, Lucian Puiu; **Murariu, Gabriel**; Popa, Ionel, OVERVIEW OF TROPOSPHERIC NO2 USING THE OZONE MONITORING OBSERVATIONS INSTRUMENT AND HUMAN PERCEPTION ABOUT AIR QUALITY FOR THE MOST POLLUTING COUNTRIES ACCROSS THE WORLD, CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES, Volume: 14 Issue: 2, , 423-430, DOI: 10.26471/cjees/2019/014/091, Article AUG 2019 Publication Year: 2019, Times Cited, WoS Core: 2, ISSN: 1842-4090, eISSN: 1844-489X, UT (Unique ID): WOS:000484879700015, <https://www.cjees.ro/viewIssue.php?issueId=41>, [impact factor=0.9]
64. Iticescu, Catalina; Georgescu, Lucian P.; **Murariu, Gabriel**; Topa, Catalina; Timofti, Mihaela; Pintilie, Violeta; Arseni, Maxim, Lower Danube Water Quality Quantified through WQI and Multivariate Analysis, WATER, Volume: 11, Issue: 6, Article Number: 1305, DOI: 10.3390/w11061305, Article JUN 2019, Publication Year: 2019, Times Cited, WoS Core: 64, eISSN: 2073-4441, UT (Unique ID):

WOS:000475346300193, <https://www.mdpi.com/2073-4441/11/6/1305>, [impact factor=3.0]

**65. Murariu, Gabriel;** Iticescu, Catalina; Murariu, Adrian; Rosu, Bogdan; Munteanu, Dan; Buruiana, Daniela L., Assessment of Water Quality State Dynamics Using Adaptive Filtering Methods and Neural Networks Approaching Case study - Danube River in Galati area, REVISTA DE CHIMIE, Volume: 70, Issue: 6, , 1914- 1919, Article JUN 2019, Publication Year: 2019, Times Cited, WoS Core: 8, ISSN: 0034-7752, UT (Unique ID): WOS:000475860100006, <https://revistadechimie.ro/Articles.asp?ID=7246>, [impact factor=1.755]

**66. Murariu, Gabriel;** Timofti, Mihaela; Savinuta, Ionelia; Murariu, Adrian; Iticescu, Catalina; Georgescu, Lucian; Tudor, Marian; Mocanu, George Danut, Seasonal Statistical Analysis on the Quality of Underwater Supplies in South-Eastern Romania, REVISTA DE CHIMIE, Volume: 70, Issue: 3, , 820-827, Article, MAR 2019, Publication Year: 2019, Times Cited, WoS Core: 3, ISSN: 0034-7752, UT (Unique ID): WOS:000464911600016, <https://revistadechimie.ro/pdf/16%20MURARIU%20G%203%2019.pdf>, [impact factor=1.755]

**67. Drasovean, Romana;** **Murariu, Gabriel;** Constantinescu, Gigi; Circiumaru, Adrian, Assessment of Surface Water Quality of Danube River in Terms of Usual Parameters and Correlation Analyses, REVISTA DE CHIMIE, Volume: 70, Issue: 2, , 398- 406, Article FEB 2019, Publication Year: 2019, Times Cited, WoS Core: 3, ISSN: 0034-7752, UT (Unique ID): WOS:000461982200009, <https://revistadechimie.ro/Articles.asp?ID=6924> [impact factor=1.755]

**68. Lupoe, Paul;** Tupu, Eliza; Onea, Nicolae; **Murariu, Gabriel;** Georgescu, Lucian; Tudor, Marian; Iticescu, Catalina; Lupoe, Mariana, AN INTEGRATED APPROACH CONCERNING FLORISTIC, PHYTOCOENOLOGICAL AND ORNITHOLOGICAL DIVERSITY ON SOMOVA-PARCHES LACUSTRINE COMPLEX: ASPECTS OF THEIR CONSERVATION, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, Volume: 10, Issue: 1, , 149-164, Article JAN-MAR 2019, Publication Year: 2019, Times Cited, WoS Core: 2, ISSN: 2067-533X, eISSN: 2067-8223, UT (Unique ID): WOS:000462542400014, [https://ijcs.ro/public/IJCS-19-14\\_Lupoe.pdf](https://ijcs.ro/public/IJCS-19-14_Lupoe.pdf), [impact factor=0.00]

**69. Cretu, Romica;** Circiumaru, Adrian; **Murariu, Gabriel,** Effect of Liquid Detergents on the Biochemical Parameters of Some Plantlets, MATERIALE PLASTICE, Volume: 55, Issue: 4, , 575-579, Article DEC 2018, Publication Year: 2018, Times Cited, WoS Core 3, ISSN: 0025-5289, eISSN: 2668-8220, UT (Unique ID): WOS:000454987400024, <https://www.revmaterialeplastice.ro/Articles.asp?ID=5077>, [impact factor=1.393]

**70. Murariu, Gabriel;** Mahu, Razvan Adrian; Murariu, Adrian Gabriel; Dragu, Mihai Daniel; Georgescu, Lucian P.; Carp, Bogdan G., Using Ansys for Design and Numerical Study of a Specific Fixed Wing UAV, MATERIALE PLASTICE, Volume: 55 Issue: 4, , 652- 657, Article DEC 2018, Publication Year: 2018, Times Cited, WoS Core: 8, ISSN: 0025-5289, eISSN: 2668-8220, UT (Unique ID): WOS:000454987400042 <https://www.revmaterialeplastice.ro/Articles.asp?ID=5095> , [impact factor=1.393]

**71. Popa, Paula;** **Murariu, Gabriel;** Timofti, Mihaela; Georgescu, Lucian Puiu MULTIVARIATE STATISTICAL ANALYSES OF DANUBE RIVER WATER QUALITY AT GALATI, ROMANIA, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 17, Issue: 5, , 1249-1266, Article MAY 2018, Publication Year: 2018, Times Cited, WoS Core: 30, ISSN: 1582-9596, eISSN: 1843-3707, UT (Unique ID): WOS:000435676900024, [https://www.eemj.icpm.tuiasi.ro/pdfs/vol17/full/no5/24\\_290\\_Popa\\_14.pdf](https://www.eemj.icpm.tuiasi.ro/pdfs/vol17/full/no5/24_290_Popa_14.pdf), [impact factor=1.186]

**72. Dinca, Lucian;** Badea, Ovidiu; Guiman, Gheorghe; Braga, Cosmin; Crisan, Vlad; Greavu, Victor; **Murariu, Gabriel;** Georgescu, Lucian, Monitoring of soil moisture in Long-Term Ecological Research (LTER) sites of Romanian Carpathians, ANNALS OF FOREST RESEARCH, Volume: 61, Issue: 2, , 171-188, DOI: 10.15287/afr.2018.1188, Article 2018, Publication Year: 2018, Times Cited, WoS Core: 28, ISSN: 1844-8135, eISSN: 2065-2445, UT (Unique ID): WOS:000456193900005, <https://www.afrjournal.org/index.php/afr/article/view/1188>, [impact factor=1.32]

**73. Murariu, Gabriel;** Hahuie, Valentin; Murariu, Adrian; Georgescu, Lucian; Iticescu, Catalina; Calin, Mihaela; Preda, Ciprian; Buruiana, Daniela Laura; Carp, Gabriel Bogdan, FOREST MONITORING METHOD USING COMBINATIONS OF SATELLITE AND UAV AERIAL IMAGES. CASE STUDY BALABANESTI FOREST, INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, Volume: 8, Issue: 4, , 703- 714, Article OCT-DEC 2017, Publication Year: 2017, Times Cited, WoS Core: 7, ISSN: 2067-533X, eISSN: 2067-8223, UT (Unique ID): WOS:000419283600015, [https://ijcs.ro/public/IJCS-17-67\\_Murariu.pdf](https://ijcs.ro/public/IJCS-17-67_Murariu.pdf) [impact factor=0.00]

**74. Murariu, Gabriel;** Hahuie, Valentin; Murariu, Adrian Gabriel; Georgescu, Lucian; Calin, Mihaela Alina; Buruiana, Daniela; Soare, Ionica; Onica, Mihaela; Carp, Gabriel Bogdan, 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, , 303-316, Article APR-JUN 2017, Publication Year: 2017, Times Cited, WoS Core: 5, ISSN: 2067-533X, eISSN: 2067-8223, UT (Unique ID): WOS:000406555000015, [https://ijcs.ro/public/IJCS-17-31\\_Murariu.pdf](https://ijcs.ro/public/IJCS-17-31_Murariu.pdf), [impact factor=0.00]

**75. Burada, Adrian;** Teodorof, Liliana; Despina, Cristina; Seceleanu-Odor, Daniela; Tudor, Mihaela; Ibram, Orhan; Navodaru, Ion; **Murariu, Gabriel;** Topa, Catalina Maria; Tudor, Marian, TRACE ELEMENTS IN FISH TISSUE WITH COMMERCIAL VALUE OF THE DANUBE DELTA BIOSPHERE RESERVE, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 16, Issue: 3, , 731-738, DOI: 10.30638/eemj.2017.075, Article; Proceedings Paper MAR 2017, Publication Year: 2017, Times Cited, WoS Core: 18, ISSN: 1582-9596, eISSN: 1843-3707, UT (Unique ID): WOS:000403508600025, [https://www.eemj.icpm.tuiasi.ro/pdfs/vol16/no3/24\\_100\\_Burada\\_16.pdf](https://www.eemj.icpm.tuiasi.ro/pdfs/vol16/no3/24_100_Burada_16.pdf), [impact factor=1.021]

**76. Iticescu, Catalina;** **Murariu, Gabriel;** Georgescu, Lucian P.; Burada, Adrian; Topa, Catalina Maria, Seasonal Variation of the Physico-chemical Parameters and Water Quality Index (WQI) of Danube Water in the Transborder Lower Danube Area, REVISTA DE CHIMIE, Volume: 67 Issue: 9, , 1843-1849, Article SEP 2016, Publication Year: 2016, Times Cited, WoS Core: 17, ISSN: 0034-7752, UT (Unique ID): WOS:000385266600039, <https://revistadechimie.ro/Articles.asp?ID=5199>, [impact factor=1.755]

**77. Iticescu, Catalina;** Georgescu, Lucian P.; Gurau, Gheorghe; Muraescu, Monica; Dima, Dumitru; **Murariu, Gabriel;** Gheorghies, Constantin, METHODS TO REDUCE ENVIRONMENTAL IMPACT OF MUNICIPAL WASTE WATER SEWAGE SLUDGE, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 14, Issue: 10, , 2457- 2463, Article OCT 2015, Publication Year: 2015, Times Cited, WoS Core: 11, ISSN: 1582-9596, eISSN: 1843-3707, UT (Unique ID): WOS:000366335000022, [https://www.eemj.icpm.tuiasi.ro/pdfs/vol14/no10/22\\_784\\_Iticescu\\_14.pdf](https://www.eemj.icpm.tuiasi.ro/pdfs/vol14/no10/22_784_Iticescu_14.pdf) , [impact factor=1.096]

**78. Murariu, Gabriel;** Iticescu, Catalina; Georgescu, Lucian; Mocanu, Ionut; Topa, Catalina; Dobre, Michaela, OPTIMIZATION OF URBAN

- SELECTIVE WASTE COLLECTION ACTIVITY: GALATI CITY CASE STUDY, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 14, Issue: 10, , 2471- 2492, DOI: 10.30638/eemj.2015.264, Article OCT 2015, Publication Year: 2015, Times Cited, WoS Core: 5, ISSN: 1582-9596, eISSN: 1843-3707, UT (Unique ID): WOS:000366335000024, [https://www.eemj.icpm.tuiasi.ro/pdfs/vol14/no10/24\\_44\\_Murariu\\_13.pdf](https://www.eemj.icpm.tuiasi.ro/pdfs/vol14/no10/24_44_Murariu_13.pdf), [impact factor=0.332]
79. Popescu, Anca Alexandra Dobrea; Savu, Constantin; Dobrea, Mimi; Savu, Ovidiu; Georgescu, Mara; Stanescu, Ruxandra; Burlibasa, Mihai; **Murariu, Gabriel**, The ability to form biofilm in vitro of two Lactobacillus salivarius strains isolated from dental root canal and some Lactobacillus probiotic strains, JOURNAL OF BIOTECHNOLOGY, Volume: 185, S95, S96 DOI: 10.1016/j.jbiotec.2014.07.325, Meeting Abstract SEP 2014, Publication Year: 2014, Times Cited, WoS Core: 0, ISSN: 0168-1656, eISSN: 1873-4863, UT (Unique ID): WOS:000350032000304, <https://www.sciencedirect.com/science/article/abs/pii/S0168165614006701?via%3Dihub> [impact factor=3.9]
80. Mingireanu, Florin; Georgescu, Lucian P.; **Murariu, Gabriel**; Mocanu, Ionut; Stoia-Djeska, Marius; Jula, Nicolae, Increase of regression speed of combustion through oxidizer doping, SURFACE ENGINEERING AND APPLIED ELECTROCHEMISTRY, Volume: 50, Issue: 3, 267-274, DOI: 10.3103/S1068375514030053, Article MAY 2014, Publication Year: 2014, Times Cited, WoS Core: 0, ISSN: 1068-3755, eISSN: 1934-8002, UT (Unique ID): WOS:000414023500007, <https://link.springer.com/article/10.3103/S1068375514030053>, [impact factor=2.409]
81. Dobrea (Popescu), Anca Alexandra; Savu, Constantin; Dobrea, Mimi; Gajaila, Iuliana; **Murariu, Gabriel**; Savu, Ovidiu; Georgescu, Lucian, The ability of two Lactobacillus salivarius strains isolated from dental root canal to adhere to Caco-2 cell culture, CURRENT OPINION IN BIOTECHNOLOGY, Volume: 24, S87, , DOI: 10.1016/j.copbio.2013.05.256, Meeting Abstract JUL 2013, Publication Year: 2013, Times Cited, WoS Core: 0, ISSN: 0958-1669, eISSN: 1879-0429, UT (Unique ID): WOS:000323298100235, <https://www.sciencedirect.com/science/article/abs/pii/S0958166913003728?via%3Dihub> [impact factor=7.00]
82. **Murariu, Gabriel**; Georgescu, Lucian; Dobre, Mihaela; Iticescu, Catalina; Topa, Catalina; Dobrea (Popescu), Anca Alexandra; Dobrea, Mimi, Using the physico-chemical and biological parameters in the state functions definition. Case study: River Candelaro (Italy), CURRENT OPINION IN BIOTECHNOLOGY, Volume: 24, S79-S80 DOI: 10.1016/j.copbio.2013.05.227, Meeting Abstract, JUL 2013, Publication Year: 2013, Times Cited, WoS Core: 2, ISSN: 0958-1669, eISSN: 1879-0429, UT (Unique ID): WOS:000323298100207, <https://www.sciencedirect.com/science/article/pii/S0958166913003431?via%3Dihub>, [impact factor=7.00]
83. **Murariu, Gabriel**; Georgescu, Lucian; Timofiti, Mihaela; Iticescu, Catalina; Topa, Catalina; Popa, Paula; Mocanu, Ionut Razvan, Comparison between pristine lagoon water systems in Romania and Italy. Case study - Leahova and Sinoe lagoons (Romania) and Cesine lagoon (Italy), CURRENT OPINION IN BIOTECHNOLOGY, Volume: 24, S66-S66, DOI: 10.1016/j.copbio.2013.05.177, Meeting Abstract JUL 2013, Publication Year: 2013, Times Cited, WoS Core: 2, ISSN: 0958-1669, eISSN: 1879-0429, UT (Unique ID): WOS:000323298100159, <https://www.sciencedirect.com/science/article/pii/S0958166913002930?via%3Dihub>, [impact factor=7.00]
84. Chesaru, Bianca I.; Dobre, Michaela; **Murariu, Gabriel**; Nechita, Aurel, Risk for metabolic syndrome in a group of overweight children from South-East Romania, REVISTA ROMANA DE MEDICINA DE LABORATOR, Volume: 21, Issue: 1, 83-92, Article MAR 2013, Publication Year: 2013, Times Cited, WoS Core: 1, ISSN: 1841-6624, eISSN: 2284-5623, UT (Unique ID): WOS:000316978200009, [https://www.rml.ro/articole/2013/2013\\_1\\_9.pdf](https://www.rml.ro/articole/2013/2013_1_9.pdf), [Impact Factor FI (2012) = 0.097]
85. **Murariu, Gabriel**; Condurache-Bota, Simona, Temperature dependence of the optical properties of Bi<sub>2</sub>O<sub>3</sub>. A theoretical approach basing on the Kramers-Kronig transformation for polynomial mixed terms models, CENTRAL EUROPEAN JOURNAL OF PHYSICS, Volume: 11, Issue: 1, 130-137 DOI: 10.2478/s11534-012-0124-x, Article JAN 2013, Publication Year: 2013, Times Cited, WoS Core: 3, ISSN: 1895-1082, eISSN: 1644-3608, UT (Unique ID): WOS:000313651500013, (<http://link.springer.com/article/10.2478/s11534-012-0124-x>), [Impact Factor FI (2011) = 0.909]
86. Puscasu, Gheorghe; Codres, Bogdan; Stancu, Alexandru; **Murariu, Gabriel**, NONLINEAR SYSTEM IDENTIFICATION BASED ON INTERNAL RECURRENT NEURAL NETWORKS, INTERNATIONAL JOURNAL OF NEURAL SYSTEMS, Volume: 19, Issue: 2, 115-125, DOI: 10.1142/S0129065709001884, Article APR 2009, Publication Year: 2009, Times Cited, WoS Core: 44, ISSN: 0129-0657, eISSN: 1793-6462, UT (Unique ID): WOS:000266614300004, [Impact Factor FI (2010) = 2.988]
87. 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, 700-708, Article 2009, Publication Year: 2009, Times Cited, WoS Core: 0, ISSN: 1221-1451, UT (Unique ID): WOS:000272675900009, [https://rrp.nipne.ro/2009\\_61\\_4/art09Moraru.pdf](https://rrp.nipne.ro/2009_61_4/art09Moraru.pdf) [Impact Factor FI (2009) = 0.0912]
88. **Murariu, Gabriel**; Dariescu, Marina Aura; Dariescu, Ciprian, Maple routines for bosons on curved manifolds, ROMANIAN JOURNAL OF PHYSICS, Volume: 53, Issue: 1-2, 99-108, Article; Proceedings Paper 2008, Publication Year: 2008, Times Cited, WoS Core: 7, ISSN: 1221-146X, UT (Unique ID): WOS:000255029300014, [https://rjp.nipne.ro/2008\\_53\\_1-2/0099\\_0109.pdf](https://rjp.nipne.ro/2008_53_1-2/0099_0109.pdf) [Impact Factor FI (2008) = 0.00]
89. Dariescu, Ciprian; Dariescu, Marina-Aura; **Murariu, Gabriel**, TE modes in Einstein's Universe, CHAOS SOLITONS & FRACTALS, Volume: 34, Issue: 4, 1030-1036, DOI: 10.1016/j.chaos.2006.04.070, Article NOV 2007, Publication Year: 2007, Times Cited, WoS Core: 0, ISSN: 0960-0779, eISSN: 1873-2887, UT (Unique ID): WOS:000247525100003, (<http://www.sciencedirect.com/science/article/pii/S0960077906004255>) [Impact Factor FI (2007) = 3.025]
90. **Gabriel Murariu**, Simona Condurache-Bota, Nicolae Tigau, Polynomial fitting approach for the Kramers-Kronig method for optical properties computing for Bi<sub>2</sub>O<sub>3</sub> fabric, International Journal of Modern Physics B Vol. 26, No. 07 (<http://www.worldscientific.com/doi/abs/10.1142/S021797921250049X>) [Impact Factor FI (2011) = 0.37553]
91. 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 (<http://iopscience.iop.org/article/10.1209/epl/i2006-10063-3>) [Impact Factor FI (2006) = 2.229]
92. 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>)
93. **Murariu, G**, Dariescu, AM, Dariescu, C, Software approaching of quantized planary dynamics of charged bosons, JOURNAL OF

## 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

### [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.
7. A.Ene, N. Tigau, **G. Murariu**, S. Condurache, Culegere admitere probleme de fizica, Editura Fundatiei Universitare „Dunarea De Jos” Galati, 2012 (32 PAGINI)

## E. ARTICOLE/STUDII IN EXTENSO INDEXATE ISI WEB of SCIENCE - PUBLICATE IN CULEGERI DE ARTICOLE DIN FLUXUL STIINTIFIC INTERNATIONAL PRINCIPAL

1. Murariu L, **Murariu G.**, Toward an Interdisciplinary Virtual Laboratory, <http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.3322378> , AIP Conference Proceedings Volume: 1203 Pages: 1394-1397 Published: 2009 , the 7th International Conference of the Balkan-Physical-Union, SEP 09-13, 2009 Alexandroupolis, GREECE (<http://www.gbv.de/dms/tib-ub-hannover/623910403.pdf> )
2. Moraru L, **Murariu G** , The bonding forces in liquid metals and ultrasonic field action (<http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.2733530> ), AIP CONFERENCE PROCEEDINGS Volume: 899 Pages: 789-789 <http://dx.doi.org/10.1063/1.2733530> Published: 2007 6th International Conference of the Balkan-Physical-Union, AUG 22-26, 2006 Istanbul, TURKEY, Source: Six International Conference of the Balkan Physical Union Book Series:
3. **Murariu G** , Numerical Solutions For Fields' Dynamical Evolution In The Robertson- Walker Space - Time, ( <http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.2733294> ), AIP CONFERENCE PROCEEDINGS Volume: 899 Pages: 553-553, <http://dx.doi.org/10.1063/1.2733294> Published: 2007 6th International Conference of the Balkan-Physical-Union, AUG 22-26, 2006 Istanbul, TURKEY, Source: Six International Conference of the Balkan Physical Union Book Series:
4. **Murariu G** , MAPLE Procedures For Boson Fields System On Curved Space - Time, (<http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.2733460> ), AIP CONFERENCE PROCEEDINGS Volume: 899 Pages: 553-553, <http://dx.doi.org/10.1063/1.2733460> Published: 2007 6th International Conference of the Balkan-Physical-Union, AUG 22-26, 2006 Istanbul, TURKEY, Source: Six International Conference of the Balkan Physical Union Book Series:
5. **Murariu G** , Title: Numerical solutions for fields' equations in symmetric curved space-times, (<http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.2720447> ), Conference Information: AIP CONFERENCE PROCEEDINGS Volume: 895 Pages: 337-340 , <http://dx.doi.org/10.1063/1.2720447>, Published: 2007, International Conference on Fifty Years of Romanian Astrophysics, SEP 27-30, 2006 Bucharest, ROMANIA,
6. **Murariu G** , Title: MAPLE package for bosons stars on curved manifolds, (<http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.2720446> ), Conference Information: International Conference on AIP CONFERENCE PROCEEDINGS Volume: 895 Pages: 333-336, <http://dx.doi.org/10.1063/1.2720446> Published: 2007, Fifty Years of Romanian Astrophysics, SEP 27-30, 2006 Bucharest, ROMANIA
7. **G. Murariu** , M.A. Dariescu, C. Dariescu, Iasi Perturbative approaching for boson fields' system in a Lewis-Papapetrou space-time,.Published in AIP Conf.Proc.1262: 71-79, 2010 (<http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.3482240>) <http://dx.doi.org/10.1063/1.3482240>
8. **Murariu, Gabriel**; Caldararu, Aurelia; Georgescu, Lucian; et al., Investigation of Water Parameters in a River System with a Two-Dimensional Regression Analysis Model, (<http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.3647084>) Editors: Bunoiu, M; Malaescu, I, Conference: Physics Conference (TIM) Location: Timisoara, ROMANIA Date: NOV 25-27, 2010, Sponsor(s): W Univ, Fac Phys, Source: PHYSICS CONFERENCE (TIM-10) Book Series: AIP Conference Proceedings Volume: 1387 <http://dx.doi.org/10.1063/1.3647084>, Published: 2011
9. **Murariu, Gabriel**; Georgescu, Lucian; Voiculescu, Mirela; et al., Charge Density Evaluation for a Bosonic System in a Curved

Space-Time, (<http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.3647061> ), Book Editor(s): Bunoiu, M; Malaescu, I, Conference: Physics Conference (TIM) Location: Timisoara, ROMANIA Date: NOV 25-27, 2010, Sponsor(s): W Univ, Fac Phys, Source: PHYSICS CONFERENCE (TIM-10) Book Series: AIP Conference Proceedings Volume: 1387 <http://dx.doi.org/10.1063/1.3647061>, Published: 2011

10. **Murariu, Gabriel**; Praisler, Mirela , A MAPLE Package for Energy-Momentum Tensor Assesment in Curved Space-Time, <http://dx.doi.org/10.1063/1.3322340>, Book Editor(s): Angelopoulos, A; Fildisis, T, Conference: 7th International Conference of the Balkan-Physical-Union Location: Alexandroupolis, GREECE Date: SEP 09-13, 2009, Sponsor(s): Balkan Phys Union; Hellen Phys Soc; Univ Crete; Univ Athens; Univ Ioannina; Univ Petras; Univ Thessaloniki; TEAK; Prefecture Evros; Reg Adm Eastern Macedonia & Thrace, Source: 7TH INTERNATIONAL CONFERENCE OF THE BALKAN PHYSICAL UNION VOLS 1 AND 2 Book Series: AIP Conference Proceedings Volume: 1203 Pages: 1204-1210 Published: 2009, Times Cited: 1 (from Web of Science)

11. **Murariu, Gabriel**; Puscasu, Gheorghe; Gogoncea, Vlad, Non - Linear Flood Assessment with Neural Network, <http://dx.doi.org/10.1063/1.3322561> Book Editor(s): Angelopoulos, A; Fildisis, T, Conference: 7th International Conference of the Balkan-Physical-Union Location: Alexandroupolis, GREECE Date: SEP 09-13, 2009, Sponsor(s): Balkan Phys Union; Hellen Phys Soc; Univ Crete; Univ Athens; Univ Ioannina; Univ Petras; Univ Thessaloniki; TEAK; Prefecture Evros; Reg Adm Eastern Macedonia & Thrace, Source: 7TH INTERNATIONAL CONFERENCE OF THE BALKAN PHYSICAL UNION VOLS 1 AND 2 Book Series: AIP Conference Proceedings Volume: 1203 Pages: 812-819 Published: 2009 (<http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.3322561>)

12 **Murariu, Gabriel**, First Order Solutions for Klein - Gordon - Maxwell Equations in a Specific Curved Manifold Case, <http://dx.doi.org/10.1063/1.3153454>, Book Editor(s): Bunoiu, M; Malaescu, I, Conference: Physics Conference 2008 (TIM-08) Location: Timisoara, ROMANIA Date: NOV 28-29, 2008, Sponsor(s): Univ Timisoara, Phys Fac, Source: PROCEEDINGS OF THE PHYSICS CONFERENCE TIM-08 Book Series: AIP Conference Proceedings Volume: 1131 Pages: 51-54 Published: 2009 (<http://scitation.aip.org/content/aip/proceeding/aipcp/10.1063/1.3153454>)

13. Codres, B.; Puscasu, **G.**; **Murariu, G.**, Modular identification of the dynamical model of friction force, System Theory, Control and Computing (ICSTCC), 2012 16th International Conference on Topic(s): Communication, Networking & Broadcasting ; Components, Circuits, Devices & Systems ; Computing & Processing (Hardware/Software) ; Robotics & Control Systems ; Signal Processing & Analysis, Publication Year: 2012, Page(s): 1 – 5, (<http://ieeexplore.ieee.org/document/6379232/>)

14 **Gabriel Murariu**, Lucian Georgescu, Mihaela Timofti, Catalina Iticescu, Catalina Topa , Paula Popa, Ionut Razvan Mocanu, Comparison between pristine lagoon water systems in Romania and Italy. Case study — Leahova and Sinoe lagoons (Romania) and Cesine lagoon (Italy), Current Opinion in Biotechnology, Volume 24, Supplement 1, July 2013, <http://dx.doi.org/10.1016/j.copbio.2013.05.177> , Pages S66 ([www.sciencedirect.com/science/article/pii/S0958166913002930](http://www.sciencedirect.com/science/article/pii/S0958166913002930))

15. **Gabriel Murariu**, Lucian Georgescu, Michaela Dobre,Catalina Iticescu, Catalina Topa, Anca Alexandra Dobrea (Popescu),Mimi Dobrea, Using the physico-chemical and biological parameters in the state functions definition. Case study: River Candelaro (Italy), Current Opinion in Biotechnology,Volume 24, Supplement 1, July 2013, Pages S79–S80, <http://dx.doi.org/10.1016/j.copbio.2013.05.227> , (<http://www.sciencedirect.com/science/article/pii/S0958166913003431>)

16. Anca Alexandra Dobrea (Popescu), Constantin Savu, Mimi Dobrea, Iuliana Gajaila, **Gabriel Murariu**,Ovidiu Savu,Lucian Georgescu, The ability of two Lactobacillus salivarius strains isolated from dental root canal to adhere to Caco-2 cell culture, Current Opinion in Biotechnology, Volume 24, Supplement 1, July 2013, Pages S87 <http://dx.doi.org/10.1016/j.copbio.2013.05.256>, (<http://www.sciencedirect.com/science/article/pii/S0958166913003728>)

17. Murariu, Gabriel; Timofti, Mihaela; Popa, Paula; et al., Statistical and dynamical models on the Prut River state parameters. Monitoring area - Galati, Romania case study, DOI: [10.1109/ISEEE.2013.6674357](https://doi.org/10.1109/ISEEE.2013.6674357) , Proceedings of the 4TH INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING (ISEEE), Published: 2013, Edited by: Gaiceanu, M (<http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?reload=true&punumber=6662537>)

18. Murariu, Gabriel; Timofti, Mihaela; Popa, Paula; et al., Complementary models on the Danube River state parameters

- measured in the Galati area, DOI: [10.1109/ISEEE.2013.6674358](https://doi.org/10.1109/ISEEE.2013.6674358) , The 4th International Symposium on Electrical and Electronics Engineering (ISEEE) Location: Dunarea de Jos Univ Galati, Galati, ROMANIA Date: OCT 11-13, 2013, Edited by: Gaiceanu, M. (<http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?reload=true&punumber=6662537>)
19. Codres, Bogdan; Puscasu, Gheorghe; Murariu, Gabriel; et al., Sliding mode control for a dynamic system, helicopter type, The 4th International Symposium on Electrical and Electronics Engineering (ISEEE) Location: Dunarea de Jos Univ Galati, Galati, ROMANIA, DOI: [10.1109/ISEEE.2013.6674322](https://doi.org/10.1109/ISEEE.2013.6674322) Date: OCT 11-13, 2013, Edited by: Gaiceanu, M. (<http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?reload=true&punumber=6662537>)
20. Vlad, C.; Bancila, MA; Munteanu T, Murariu, G, Using Renewable Energy Sources For Electric Vehicles Charging, DOI: [10.1109/ISEEE.2013.6674349](https://doi.org/10.1109/ISEEE.2013.6674349) , 2013 4TH INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING (ISEEE), Edited by: Gaiceanu, M, Published: 2013 (<http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?reload=true&punumber=6662537>)
21. **Murariu, Gabriel**; Hahuie, Valentin; Georgescu, Lucian; et al. Study on the Influence of Atmospheric Parameters on the Accuracy of the Geodetic Measurements; Conference: TIM15-16 Physics Conference Location: W Univ Timisoara, Phys Fac, Timisoara, ROMANIA Date: MAY 26-28, 2016, TIM15-16 PHYSICS CONFERENCE Book Series: AIP Conference Proceedings Volume: 1796 Article Number: UNSP 040009-1 Published: 2017
22. Vizitiu D.E., Dinca L., Enache V., Donici A., Popa L., Cociorva D., **Murariu G.**, 2018: "Identifying and describing the main climatic and stress factors that are affecting forest and vinicultural ecosystems" INTERNATIONAL SYMPOSIUM "THE ENVIRONMENT AND THE INDUSTRY", SIMI 2018, PROCEEDINGS BOOK Section Pollution Assessment & Management Systems, pag.232-241. DOI: <http://doi.org/10.21698/simi.2018.fp28>
23. **Gabriel Murariu**, Mihai Dragu, Bogdan Roşu, Silviu Epure, Ciprian Vlad, Lucian Georgescu, Design Optimization of Electric Traction UAVs, Proceedings of THE 6th INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING, Proceedings of THE 6th INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING,
24. **Gabriel Murariu**, Silviu Epure, Ciprian Vlad, Mihai Dragu, Bogdan Rosu - Updating an electric propulsion UAV device for long range missions , Proceedings of THE 6th INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING,
25. **Gabriel Murariu**, Dan Munteanu, Violeta Cornelia Domnitanu, Constantin Ionescu, Silviu Epure, George Danut Mocanu, Ciprian, Vlad, Razvan-Adrian Tudoran - Disaster management system, Proceedings of THE 6th INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING,
26. Gabriel Murariu, Dan Munteanu, Silviu-Nicolae Iancu, Constantin Ionescu, Silviu Epure, George Danut Mocanu, Ciprian Vlad, Violeta Cornelia Domnitanu, Razvan-Adrian Tudoran. Personal seismograph system - a functional prototype, Proceedings of THE 6th INTERNATIONAL SYMPOSIUM ON ELECTRICAL AND ELECTRONICS ENGINEERING
27. Gabriel Murariu ; Dan Munteanu ; Lucian Puiu Georgescu ; Adrian Murariu ; Ionel Popa ; Valentin Hahuie, The forest composition monitoring system using k-means algorithms on satellite imagery. Case study - Independenta Forest., Published in: 2018 22nd International Conference on System Theory, Control and Computing (ICSTCC), DOI: [10.1109/ICSTCC.2018.8540776](https://doi.org/10.1109/ICSTCC.2018.8540776)
28. Gabriel Murariu ; Dan Munteanu ; Alexandru Dorosencu ; Adrian Murariu ; Lucian Dinca ; Marian Tudor ; Mihai Daniel Dragu ; Ciprian Vlad ; Silviu Stanciu, The identification method of tree species using UV-VIS-IR technology and deep learning methods. Case study – Independenta Forest. Published in: 2018 22nd International Conference on System Theory, Control and Computing (ICSTCC), DOI: [10.1109/ICSTCC.2018.8540779](https://doi.org/10.1109/ICSTCC.2018.8540779)
29. Ciprian Vlad ; Adriana Burlibaşa ; Romeo Păduraru ; Silviu Epure ; Cristinel Dache ; Cristian Victor Lungu ; Lucian Puiu Georgescu ; Gabriel Murariu, Wind Turbine Emulation Using Permanent Magnet Synchronous Generator, Published in: 2018 22nd International Conference on System Theory, Control and Computing (ICSTCC), DOI: [10.1109/ICSTCC.2018.8540664](https://doi.org/10.1109/ICSTCC.2018.8540664)
30. Larisa Condrachi ; Emil Ceanga ; Lucian Puiu Georgescu ; Gabriel Murariu ; Ramon Vilanova ; Marian Barbu, Model-Based Optimization of an Anaerobic Digestion Process, Published in: 2018 22nd International Conference on System Theory, Control and Computing (ICSTCC), DOI: [10.1109/ICSTCC.2018.8540673](https://doi.org/10.1109/ICSTCC.2018.8540673)
31. Gabriel Murariu, Adrian Gabriel MURARIU, Nicoleta BARBUTA-MISU, Ciprian VLAD, Ionuţ-Dorin MARIN, COMPARATIVE STUDY OF GROWTH RATE EVALUATION FOR ASH (Frasinus excelsior) IN SOUTHEASTERN ROMANIA, Proceedings of

International Multidisciplinary Scientific GeoConference SGEM, [DOI: 10.5593/SGEM\\_GeoConference](https://doi.org/10.5593/SGEM_GeoConference)

32. L. Dinca, D. E. Vizitiu, A. Donici, L. Popa, G. Murariu THE HEALTH DYNAMIC OF FOREST AND VINICULTURAL ECOSYSTEMS FROM ROMANIA DURING THE LAST TWO DECADES IN THE CONTEXT OF CURRENT CLIMATIC CHANGES, Proceedings of International Multidisciplinary Scientific GeoConference SGEM, [DOI: 10.5593/SGEM\\_GeoConference](https://doi.org/10.5593/SGEM_GeoConference)

33. G. MURARIU, A. G. MURARIU, C. ITICESCU, S. STANCIU, L. DINCA, INVESTIGATION OF GROWTH RATE ASSESSMENT FOR LOCUST (ROBINIA PSEUDOACACIA) IN THE EASTERN ROMANIA (Papers SGEM2018) Proceedings of International Multidisciplinary Scientific GeoConference SGEM, [DOI: 10.5593/SGEM\\_GeoConference](https://doi.org/10.5593/SGEM_GeoConference)

34. G. Murariu, C. ITICESCU, N. BARBUTA-MISU, L. GEORGESCU, B. ROSU, ANALYSIS OF THE SPATIAL VARIABILITY OF THE FACTORS DESCRIBING THE WATER QUALITY TO ASSESS THE ECONOMIC IMPACT ON MEDIUM AND LONG TERM - CASE STUDY - DANUBE RIVER IN THE SOUTH-EAST AREA OF ROMANIA (Papers SGEM2018), [DOI: 10.5593/SGEM\\_GeoConference](https://doi.org/10.5593/SGEM_GeoConference)

35. G. MURARIU, A. MURARIU C. ITICESCU, M. TIMOFTI, L. GEORGESCU, INVESTIGATION OF WATER QUALITY STATE DYNAMICS OF DANUBE RIVER IN THE EASTERN PART OF ROMANIA (Papers SGEM2018), [DOI: 10.5593/SGEM\\_GeoConference](https://doi.org/10.5593/SGEM_GeoConference)

## 1. Brevete

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

**MURARIU G; DRAGU M D; GEORGESCU P L; ITICESCU C; EPURE S; MUNTEANU D; DRASOVEAN R** , *Method for changing geometry and configuration of vertical unmanned aerial vehicles, involves supporting rigidly fixed front motor to move by sliding support depending on autopilot control mode for eliminating any disturbance or dangerous oscillation caused by transported load* , **RO135462-A2 patent , RO135462-A2 patent**

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