**UNIVERSITATEA PETROL - GAZE DIN PLOIEŞTI** Anexa 4

**FACULTATEA: TEHNOLOGIA PETROLULUI ŞI PETROCHIMIE**

**DEPARTAMENTUL: CHIMIE**

Examen de promovare în cariera didactică pe postul de CONFERENȚIAR UNIVERSITAR, poz. 10.

Disciplinele postului: CHIMIA MEDIULUI, CONTROLUL CALITĂȚII INTERMEDIARILOR ORGANICI, TENSIDELOR, MATERIALELOR POLIMERICE ȘI BITUMINOASE, TRATAREA BIOLOGICĂ A DEȘEURILOR INDUSTRIALE.

**Domeniul: INGINERIA MEDIULUI**

**FIŞA DE VERIFICARE**

a îndeplinirii standardelor universităţii de prezentare la examenul de promovare în cariera didactică pe postul de **conferențiar universitar**

**Şef lucrări dr. chim. GHEORGHE CĂTĂLINA GABRIELA**

***1. Studiile de doctorat***

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| --- | --- | --- | --- |
| Instituţia organizatoare de doctorat | Domeniul | Perioada | Nr. Diplomă / Data  |
| UNIVERSITATEA PETROL-GAZE DIN PLOIEȘTI | CHIMIE | 2002-2011 | Seria H nr. 0009332Nr. 608/10.01.2012 |

***2. Adeverință eliberată de compartimentul de specialitate din UPG Ploiești care dovedește vechimea minimă de 6 ani a candidatului în calitate de cadru didactic în învățământul superior în cadrul UPG Ploiești.***

***Adeverința nr 10777/13.05.2025***

***3. Îndeplinirea cerințelor standardelor minimale naționale, specifice domeniului postului*** – se va atașa Fișa de calcul a îndeplinirii standardelor minimale conform OMENCS Nr. 6129 / 20.12. 2016.

**STANDARDE MINIMALE NECESARE OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN INVATAMANTUL SUPERIOR specifice postului de Conferentiar universitar**

|  |  |
| --- | --- |
| Număr total articole în reviste ISI (NT) **Conditie: NT >15** | FI(valabil la momentul depunerii dosarului |
| 1 | **C. G. Gheorghe**, C M Dușescu-Vasile , D. R Popovici, D. Bombos; R.-E. Dragomir; F. M. Dima; M. Bajan; G.l Vasilievici, Monitoring the Biodegradation Progress of Naphthenic Acids in the Presence of Spirulina platensis Algae Toxics, 2025,  *13*(5), 368; <https://doi.org/10.3390/toxics13050368> WOS:001496611600001 | **3.9** |
| 2 | D. R Popovici, **C. G. Gheorghe**, C M Dușescu-Vasile [Assessment of the Active Sludge Microorganisms Population During Wastewater Treatment in a Micro-Pilot Plant](https://scholar.google.ro/citations?view_op=view_citation&hl=en&user=NY61ruUAAAAJ&cstart=20&pagesize=80&citation_for_view=NY61ruUAAAAJ:QIV2ME_5wuYC) Bioengineering,**2024**, 11 (12), 1306, <https://doi.org/10.3390/bioengineering11121306>WOS:001387124300001 | 3.8 |
| 3 | A Bondarev, S. Mihai, A.Usman, D. Cursaru, D Matei, V Satulu, **C. G. Gheorghe**, G.Branoiu, R. Somoghi A facile microwave promoted formation of highly photoresponsive Au-decorated TiO2 nanorods for the enchanced photo-degradation of methylene blue, Nanomaterials, ***2024***, *14*(22), 1780 <https://doi.org/10.3390/nano14221780> WOS:001365922300001  | 4.4 |
| 4 | V.Gheorghe, **C. G. Gheorghe**, D. R. Popovici, S. Mihai, R. E. Dragomir, R.Somoghi , *Reduction of Oxygen Production by Algal Cells in the Presence of O-Chlorobenzylidene Malononitrile*, Bioengineering, **2024**, 11, (6), 623  <https://doi.org/10.3390/bioengineering11060623>WOS:001254674100001 | 3.8 |
| 5 | V. Gheorghe, **C. G. Gheorghe,** D.R. Popovici , S..Mihai., C. Calin., E. Sarbu, R.Doukeh, N. Grigoriu, C. N. Toader, C. .Epure, V. M.atei -*Synthesis, Purity Check, Hydrolysis and Removal of o-Chlorobenzyliden Malononitrile (CBM) by Biological Selective Media,* Toxics **2023**, 11(8), 672, <https://doi.org/10.3390/toxics11080672>WOS:001121950200001 | 3.9 |
| 6 | V Gheorghe, **C. G. Gheorghe**, A Bondarev, R Somoghi, [Ecotoxicity of o-Chlorobenzylidene Malononitrile (CBM) and Toxicological Risk assessment for SCLP Biological Cultures (*Saccharomyces sp., Chlorella sp., Lactobacillus sp*](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=XULYmn0AAAAJ&citation_for_view=XULYmn0AAAAJ:2osOgNQ5qMEC)*, Paramecium sp.)* Toxics 11 (3), 285, Toxics **2023**, Volume 11, Issue 3, 285, <https://doi.org/10.3390/toxics11030285> WOS:000960112300001 | 3.9 |
| 7 | A.Bondarev, **C. G. Gheorghe** Adsorptive removal of crystal violet dye from aqueous solutions using natural resource systems, Desalination and Water Treat, **2022**, 264,215-232 <http://dx.doi.org/10.5004/dwt.2022.28560>WOS:000848240000021 | 1 |
| 8 | A Bondarev, **C. G. Gheorghe**, V Gheorghe, M Bombos, [Removal of dyes from textile wastewater using sawdust as low-cost biosorbent](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=XULYmn0AAAAJ&citation_for_view=XULYmn0AAAAJ:u-x6o8ySG0sC) Revista de Chimie 71 (3), 387-396, 2020, <http://dx.doi.org/10.37358/RC.20.3.8012>  | 0 |
| 9 | V Gheorghe, **C. G. Gheorghe** A Bondarev, V Matei, M Bombos [The Malachite Green Biodegradation in Bioreactors on Various pH Domains](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=XULYmn0AAAAJ&citation_for_view=XULYmn0AAAAJ:u5HHmVD_uO8C), Revista de chimie 70 (8), 2996-2999, **2019** [http://dx.doi.org/10.37358/RC.19.8.7472](http://dx.doi.org/10.37358/RC.19.8.7472%20WOS%3A000489685600061)WOS:000489685600061 | 0 |
| 10 | **C. Gheorghe**, A.Bondarev, I. Onutu Assessement of Water Quality Parameters in Some Potential Pollutant Areas from Romania REV.CHIM.(Bucharest) 69 (8), **2018** pag 2045-2049 <http://dx.doi.org/10.37358/RC.18.8.6470> WOS:000444602300024 | **0** |
| 11 | O Mihai, O Pantea, D Popovici**, C. G. Gheorghe** Evaluation of Metal Contents in Correlation with Phytosanitary Treatments at Vineyard REV.CHIM.(Bucharest) 68 (6), **2017** pag 1387-1391 <https://doi.org/10.37358/rc.17.6.5659>WOS:000408702900029 | 0 |
| 12 | M Carbureanu, Sf Mihalache, **C. G. Gheorghe,** [A hardware ANN-based controller for ph neutralization in industrial plants](https://scholar.google.ro/citations?view_op=view_citation&hl=en&user=E8lHDXAAAAAJ&citation_for_view=E8lHDXAAAAAJ:Y0pCki6q_DkC), Revista de chimie, 67 (7), **2016**, 1309-1313 , ISSN 0034-7752 WOS:000385513000015 | 0 |
| 13 | A Bondarev, O Pantea, S Mihai, C Calin, **C. G. Gheorghe,** [Removal of cadmium from aqueous solutions using low cost sorbents](https://scholar.google.ro/citations?view_op=view_citation&hl=en&user=E8lHDXAAAAAJ&citation_for_view=E8lHDXAAAAAJ:Tyk-4Ss8FVUC), Revista de Chimie, 67(4) **2016** , 728-733, ISSN 0034-7752 , WOS:000376549200029  | 0 |
| 14 | **C. G. Gheorghe**, C Dusescu, M Carbureanu [Asphaltenes biodegradation in biosystems adapted on selective media](https://scholar.google.ro/citations?view_op=view_citation&hl=en&user=E8lHDXAAAAAJ&citation_for_view=E8lHDXAAAAAJ:W7OEmFMy1HYC) Revista de Chimie, 67(10), **2016**, 2106-2110, ISSN 0034-7752 WOS:000388359900045  | **0** |
| 15 | F. Nicolescu, F. Lupu, O.Pantea, **C. G. Gheorghe**, A. Bondarev, C. Calin Toxicity study of benzene, toluene and xylene (btx) at exposure on some experimental groups REV. CHIM. (Bucharest) 66 (8), **2015**, 1181-1183, ISSN 0034-7752WOS:000361124600022, | 0 |
| 16 | E. Grigore, O. Pantea, D. Bombos, C. Calin, A. Bondarev, **C. G. Gheorghe**  Effect of inhibitors based amine derivates on some carbon steel corrosion, Revista de Chimie, **2015,**  66(5), 685-690, ISSN 0034-7752, https://revistadechimie.ro/Articles.asp?ID=4499WOS:000355126000018 | 0 |
| 17 | M. Carbureanu, **C. G. Gheorghe** -pH variation in the presence of the coagulants used in oil-well industry wastewater treatment REV. CHIM. **2014** , 65(12), 1498-1501, ISSN 0034-7752WOS:000345946400021 | 0 |
| 18 | F. Lupu, **C. G. Gheorghe**, C. Calin, O. Pantea, , Biotreatment of the oil pollutants, Revista de Chimie, **2013,** 64 (2), 210-212, ISSN 0034-7752 https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.1087.9422&rep=rep1 &type=pdf 0 0.677 WOS:000315756400021,  | 0 |
| 19 | **C. G. Gheorghe**, O.Pantea, V. Matei, D. Bombos, A.F. Borcea [The Efficiency of Flocculants in Biological Treatment with Activated Sludge](http://bch.ro/pdfRC/GHEORGHE%20C.pdf%2010%2011.pdf) Revista de Chimie, nr 62(10), **2011**, 1023-1026 , ISSN 0034-7752 WOS:000296933300014 | **0** |
| 20 | **C. G. Gheorghe**, O.Pantea, V. Matei, D. Bombos, A.F. Borcea Testing the behavior of pure bacterial suspension (Bacillus subtilis, Pseudomonas aeruginosa and Micrococcus luteus) în case of hydrocarbons contaminators, Revista de Chimie, 62(9):**2011**, 926-929, ISSN 0034-7752 WOS:000295204000016 | **0** |
| 21 | **C. G. Gheorghe**, O.Pantea, V. Matei, D. Bombos, A.F. Borcea Testing of bacterial and fungal resistance în the water pollution with cationic detergents, Revista de Chimie, nr 62 (7), **2011**, 707-711, ISSN 0034-7752 , WOS:000292756700006 | **0** |
| 22 | **C. G. Gheorghe**, O. Pantea, V. Matei, D. Bombos, A.F. Borcea Testing the biodegradation of contaminated water with petroleum products through convenţional treatment în comparison with treatment through biological sludge enriched with activated charcoal, Revista de Chimie, **2011**, 62 (6), 655-658, ISSN 0034-7752 WOS:000292629400013 | **0** |
| 23 | **C. G. Gheorghe**, O.Pantea, V. Matei, D. Bombos, A.F. Borcea Research on the influence of diesel oil on the bacterial stems of Bacillus subtilis and Pseudomonas aeruginosa, Revista de Chimie, 62(5), 2011, 582-584, ISSN 0034-7752 WOS:000291275700019 | **0** |

**Rezultat: NT=23**

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| NP) NUMĂR ARTICOLE ÎN REVISTE ISI CA AUTOR PRINCIPAL (PRIM AUTOR SAU AUTOR DE CORESPONDENȚĂ)Conditie: ) NP ≥ 6, cu mimin patru lucrari publicate in reviste cu factor de impact > 1 |
|  | ARTICOLE ISI | Autor principal/de cores-pondenta |  FI valabil la momentul depunerii dosarului | Punctaj |
| **1.** | **C. G. Gheorghe**, C M Dușescu-Vasile , D. R Popovici, D. Bombos; R.-E. Dragomir; F. M. Dima; M. Bajan; G.l Vasilievici, Monitoring the Biodegradation Progress of Naphthenic Acids in the Presence of *Spirulina platensis* Algae Toxics,2025,  *13*(5), 368; <https://doi.org/10.3390/toxics13050368>  | Prim autor | 3.9 | 3.9 |
| **2.**  | D. R Popovici, **C. G. Gheorghe**, C M Dușescu-Vasile [Assessment of the Active Sludge Microorganisms Population During Wastewater Treatment in a Micro-Pilot Plant](https://scholar.google.ro/citations?view_op=view_citation&hl=en&user=NY61ruUAAAAJ&cstart=20&pagesize=80&citation_for_view=NY61ruUAAAAJ:QIV2ME_5wuYC) Bioengineering,2024, 11 (12), 1306, <https://doi.org/10.3390/bioengineering11121306> | Autor de corespon-denta | 3.8 | 3.8 |
| 3. | V.Gheorghe, **C. G. Gheorghe**, D. R. Popovici, S. Mihai, R. E. Dragomir, R.Somoghi , *Reduction of Oxygen Production by Algal Cells in the Presence of O-Chlorobenzylidene Malononitrile*, Bioengineering, 2024, 11, (6), 623  <https://doi.org/10.3390/bioengineering11060623> | Autor de corespon-denta | 3.9 | 3.9 |
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| **5.** | V Gheorghe, **C. G. Gheorghe**, A Bondarev, R Somoghi, [Ecotoxicity of o-Chlorobenzylidene Malononitrile (CBM) and Toxicological Risk assessment for SCLP Biological Cultures (Saccharomyces sp., Chlorella sp., Lactobacillus sp](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=XULYmn0AAAAJ&citation_for_view=XULYmn0AAAAJ:2osOgNQ5qMEC), Paramecium sp.) Toxics 11 (3), 285, Toxics 2023, Volume 11, Issue 3, 285, <https://doi.org/10.3390/toxics11030285> | Autor de corespon-denta | 3.8 | 3.9 |
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| 7. | **C. Gheorghe**, A.Bondarev, I. Onutu Assessement of Water Quality Parameters in Some Potential Pollutant Areas from Romania REV.CHIM.(Bucharest) 69 (8), 2018 pag 2045-2049 <http://dx.doi.org/10.37358/RC.18.8.6470>  | Prim autor | 0 | 0 |
| 8 | O Mihai, O Pantea, D Popovici**, C. G. Gheorghe** Evaluation of Metal Contents in Correlation with Phytosanitary Treatments at Vineyard REV.CHIM.(Bucharest) 68 (6), **2017** pag 1387-1391 <https://doi.org/10.37358/rc.17.6.5659> | Autor de corespondenta | 0 | 0 |
| 9. | **C. G. Gheorghe**, C Dusescu, M Carbureanu [Asphaltenes biodegradation in biosystems adapted on selective media](https://scholar.google.ro/citations?view_op=view_citation&hl=en&user=E8lHDXAAAAAJ&citation_for_view=E8lHDXAAAAAJ:W7OEmFMy1HYC) Revista de Chimie, 67(10), 2016, 2106-2110, ISSN 0034-7752  | Prim autor | 0 | 0 |
| 10. | F. Nicolescu, F. Lupu, O.Pantea, **C. G. Gheorghe**, A. Bondarev, C. Calin Toxicity study of benzene, toluene and xylene (btx) at exposure on some experimental groups REV. CHIM. (Bucharest) 66 (8), **2015**, 1181-1183, ISSN 0034-7752  | Autor de corespondenta | 0 | 0 |
| 11. | M. Carbureanu, **C. G. Gheorghe** -pH variation in the presence of the coagulants used in oil-well industry wastewater treatment REV. CHIM. (Bucharest) **2014,** 65(12), 1498-1501, ISSN 0034-7752  | Autor de corespondenta | 0 | 0 |
| 12. | F. Lupu, **C. G. Gheorghe**, C. Calin, O. Pantea, , Biotreatment of the oil pollutants, Revista de Chimie, 64 (2), **2013**, 210-212, ISSN 0034-7752  | Autor de corespondenta | 0 | 0 |
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| 15. | **C. G. Gheorghe**, O.Pantea, V. Matei, D. Bombos, A.F. Borcea Testing the behavior of pure bacterial suspension (Bacillus subtilis, Pseudomonas aeruginosa and Micrococcus luteus) în case of hydrocarbons contaminators, Revista de Chimie, 62(9):**2011**, 926-929, ISSN 0034-7752  | Prim autor | 0 | 0 |
| 16. | **C. G. Gheorghe**, O.Pantea, V. Matei, D. Bombos, A.F. Borcea Research on the influence of diesel oil on the bacterial stems of Bacillus subtilis and Pseudomonas aeruginosa, Revista de Chimie, 62(5), **2011**, 582-584 , ISSN 0034-7752  | Prim autor | 0 | 0 |
| 17. | **C. G. Gheorghe**, O.Pantea, V. Matei, D. Bombos, A.F. Borcea [The Efficiency of Flocculants in Biological Treatment with Activated Sludge](http://bch.ro/pdfRC/GHEORGHE%20C.pdf%2010%2011.pdf) Revista de Chimie, nr 62(10), **2011**, 1023-1026 , ISSN 0034-7752  | Prim autor | 0 | 0 |
| Rezultat: **NP= 17** (Din care 5 cu FI>1) NUMĂR ARTICOLE ÎN REVISTE ISI CA AUTOR PRINCIPAL (PRIM AUTOR SAU AUTOR DE CORESPONDENȚĂ |
| CALCULAREA FACTORULUI DE IMPACT CUMULAT (FIC)Conditie FIC>12 |
|  | **Articolul** | Autor principal/de coresponden-ta/Coautor | FI valabil la momentul depunerii dosarului | FI/nr autori |
| 1 | C. G. Gheorghe, C M Dușescu-Vasile , D. R Popovici, D. Bombos; R.-E. Dragomir; F. M. Dima; M. Bajan; G.l Vasilievici, Monitoring the Biodegradation Progress of Naphthenic Acids in the Presence of Spirulina platensis Algae Toxics,2025,  *13*(5), 368;  <https://doi.org/10.3390/toxics13050368> WOS:001496611600001 | Prim autor | 3.9 | 3.9 |
| 2 | D. R Popovici, **C. G. Gheorghe**, C M Dușescu-Vasile [*Assessment of the Active Sludge Microorganisms Population During Wastewater Treatment in a Micro-Pilot Plant*](https://scholar.google.ro/citations?view_op=view_citation&hl=en&user=NY61ruUAAAAJ&cstart=20&pagesize=80&citation_for_view=NY61ruUAAAAJ:QIV2ME_5wuYC) *Bioengineering,2024, 11 (12), 1306,* <https://doi.org/10.3390/bioengineering11121306> | Autor de corespon-denta | 3.8 | 3.8 |
| 3 | A Bondarev, S. Mihai, A.Usman, D. Cursaru, D Matei, V Satulu, **C. G. Gheorghe**, G.Branoiu, R. Somoghi A facile microwave promoted formation of highly photoresponsive Au-decorated TiO2 nanorods for the enchanced photo-degradation of methylene blue, Nanomaterials, *2024*, *14*(22), 1780 <https://doi.org/10.3390/nano14221780>  | Coautor | 4.4 | 4.4/9=0.48 |
| 4 | V.Gheorghe, **C. G. Gheorghe**, D. R. Popovici, S. Mihai, R. E. Dragomir, R.Somoghi , *Reduction of Oxygen Production by Algal Cells in the Presence of O-Chlorobenzylidene Malononitrile*, Bioengineering, 2024, 11, (6),23  <https://doi.org/10.3390/bioengineering11060623> WOS:001254674100001 | Autor de corespon-denta | 3.8 | 3.8 |
| 5 | V. Gheorghe, **C. G. Gheorghe,** D.R. Popovici , S..Mihai., C. Calin., E. Sarbu, R.Doukeh, N. Grigoriu, C. N. Toader, C. .Epure, V. M.atei -*Synthesis, Purity Check, Hydrolysis and Removal of o-Chlorobenzyliden Malononitrile (CBM) by Biological Selective Media,* Toxics 2023, 11(8), 672, <https://doi.org/10.3390/toxics11080672> WOS:001121950200001 | Autor de corespon-denta | 3.9 | 3.9 |
| 6 | V Gheorghe, **C. G. Gheorghe**, A Bondarev, R Somoghi, [*Ecotoxicity of o-Chlorobenzylidene Malononitrile (CBM) and Toxicological Risk assessment for SCLP Biological Cultures (Saccharomyces sp., Chlorella sp., Lactobacillus sp*](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=XULYmn0AAAAJ&citation_for_view=XULYmn0AAAAJ:2osOgNQ5qMEC)*, Paramecium sp.)* Toxics 11 (3), 285, Toxics 2023, Volume 11, Issue 3, 285, <https://doi.org/10.3390/toxics11030285> WOS:000960112300001 | Autor de corespon-denta | 3.9 | 3.9 |
| 7 | A.Bondarev, **C. G. Gheorghe** Adsorptive removal of crystal violet dye from aqueous solutions using natural resource systems, Desalination and Water Treat, 2022, 264,215-232 <http://dx.doi.org/10.5004/dwt.2022.28560>WOS:000848240000021 | Coautor  | 1 | 0 |
| 8 | A Bondarev, **C. G. Gheorghe**, V Gheorghe, M Bombos, [Removal of dyes from textile wastewater using sawdust as low-cost biosorbent](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=XULYmn0AAAAJ&citation_for_view=XULYmn0AAAAJ:u-x6o8ySG0sC) Revista de Chimie 71 (3), 387-396, 2020, <http://dx.doi.org/10.37358/RC.20.3.8012>  | Coautor | 0 | 0 |
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<https://www.scopus.com/record/display.uri?eid=2-s2.0-105002781782&origin=resultslist&sort=plf-f&src=s&sot=cite&sdt=a&s=ref%282-s2.0-79959871650%29&relpos=1> **Influence of Coagulants in the Chemical Flocculation Process of Pollutants from Petrochemical Wastewater** V. Gheorghe, ETASR Journal, 2025, Vol. 15 No. 3, 23799-23805[**https://doi.org/10.48084/etasr.10591**](https://doi.org/10.48084/etasr.10591)(in curs de indexare)**Estimation of Properties of Petrodiesel—Biodiesel Mixtures Using an Artificial Neural Network  B.** Doicin, M.M. Duşescu-Vasile, I. Onuţu, M. Băjan, D. Bomboș, G.Vasilievici *Processes* 2025, *13*(6), 1769**;**<https://doi.org/10.3390/pr13061769> (in curs de indexare) |
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| **CONDITIE:** (NC≥60) **REALIZAT: 60**  |

**Concurs de Conferențiar-** Standarde minimale (cumulative):

|  |  |
| --- | --- |
| **CONDITIE** | **REALIZAT** |
| a) NT ≥ 15 | NT=23 |
| b) NP ≥ 6, cu mimin patru lucrari publicate in reviste cu factor de impact > 1 | NP= 17 (Din care 5 cu FI>1) |
| c) FIC≥ 12 | FIC=19.78 |
| d) NC ≥ 60 | NC= 60 |

1. ***Adeverință eliberată de compartimentul de specialitate din UPG Ploiești care dovedește obținerea de către candidat a calificativului „foarte bine” în ultimii trei ani la UPG Ploiești, precum și faptul că acesta nu a fost sancționat disciplinar în ultimii 3 ani.***

***Adeverință nr. 11602/21.05.2025, Adeverință nr. 10778/13.05.2025***

**Data Candidat,**

16.06.2025 Şef lucrări dr. chim

GHEORGHE CĂTĂLINA GABRIELA