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| **UNIVERSITATEA PETROL-GAZE DIN PLOIEŞTI**  **FACULTATEA: TEHNOLOGIA PETROLULUI ŞI PETROCHIMIE**  **DEPARTAMENTUL: CHIMIE**  **LISTA DE LUCRĂRI**  **Șef lucrări dr. chim. GHEORGHE CĂTĂLINA GABRIELA**   1. **Lista celor 10 lucrări relevante (Articole publicate în reviste indexate ISI)** 2. **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> 3. 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> 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> 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. Matei -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> 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, 2023, Volume 11, Issue 3, 285, <https://doi.org/10.3390/toxics11030285> 7. **C. G. 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> 8. **C. G. Gheorghe**, C.M. 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 9. **C. G. Gheorghe**, O.Pantea, V. Matei, D. Bombos, A.F. Borcea Testing of bacterial and fungal selection în the pollution of water with cationic detergents, Revista de Chimie, nr 62 (7), 2011, 707-711, ISSN 0034-7752 10. **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 11. **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      1. **Teza de doctorat**    1. **Procese biologice selective pentru epurarea apelor contaminate cu reziduuri industriale** – Universitatea Petrol-Gaze din Ploiești, 2011 2. **Cărți și capitole în cărți, culegeri și indrumare**    1. **C. G. Gheorghe** V. Matei [*Microbiologie si ecotoxicologie*](https://scholar.google.ro/citations?view_op=view_citation&hl=en&user=NY61ruUAAAAJ&cstart=20&pagesize=80&citation_for_view=NY61ruUAAAAJ:7PzlFSSx8tAC) *Lucrari de laborator*, Ed. Universitatea Petrol-Gaze din Ploiești, 2012, ISBN 978-973-719-466-4    2. **C. G. Gheorghe** A.Bondarev [*Microbiologie si ecotoxicologie*](https://scholar.google.ro/citations?view_op=view_citation&hl=en&user=NY61ruUAAAAJ&cstart=20&pagesize=80&citation_for_view=NY61ruUAAAAJ:7PzlFSSx8tAC) *Lucr***ă***ri de laborator* Editia a II-a, Ed. Universitatea Petrol-Gaze din Ploiești, 2019, ISBN 978-973-719-773-3 3. **Articole/studii in extenso publicate în reviste din fluxul științific internațional;**    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>    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>    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>    4. V.Gheorghe, **C. G. Gheorghe**, D. R. Popovici, S. 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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 4. **Publicații apărute în lucrări ale conferințelor internaționale de specialitate**    1. **C. G. Gheorghe** C. M. Dusescu Vasile, D. R. Popovici Removing of emerging contaminants from aquifers environments trough bioconversions Main direction of ensuring sustenable development:Contmporary issues of ecological education and environmental protection Magtymguly Turkmen State University, 2025 (4)    2. **C. G. Gheorghe** C. M. Dusescu Vasile, D. R. 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Gheorghe** Research regarding to the use and in vitro testing of antibiotic association in veterinary medecine", Avicol magazine / Bulletin of Romanian Veterinary Society in Avian and Small Animal Pathology 3: 5 – 11, Anul 7, nr.2 (29), 2010, ISSN 1841 – 0472.   **Membru in Contracte de cercetare/Proiecte**   * + - 1. **Dezvoltarea de ambalaje alimentare inovative fără impact negativ asupra mediului ambiant**”, acronim **AMBAL-INOV, My SMIS**: 120994, Contract:375/390051 / 30.09.2021, Competitia 63/POC/163/1/3/LDR, S.C. MEDACRIL S.R.L.       2. GO-GICS nr. 30757/11.12.2024- cu tema: **-DEZVOLTAREA UNOR SISTEME POLIMERICE BIODEGRADABILE**- beneficiar Universitatea Petrol-Gaze din Ploiești;;       3. GO-GICS nr. 30833/11.12.2024  cu tema:  **BIOMASĂ LIGNOCELULOZICĂ – SOLUȚIE ALTERNATIVĂ ȘI ECOLOGICĂ PENTRU ENERGIE ȘI INFRASTRUCTURĂ,** beneficiar Universitatea Petrol-Gaze din Ploiești;       4. **CN FIS-FDI-2025-F-0199-Viața de student la UPG-Facilitarea accesului tinerilor ce provin din medii defavorabile la invățămantul superior Prahovean**   Data Semnatura  16.06.2025 |