

LISTA LUCRĂRILOR

A. Lista celor 10 lucrări considerate cele mai relevante

1. Boudissa Farida, **Mirilă Diana-Carmen**, Aruș Vasilica Alisa, Terkmani T. Semaan S. Proulx M., Nistor Ileana-Denisa, Roy Rene, Azzouz Abdelkrim, *Acid-treated clay catalysts for organic dye ozonation- thorough mineralization through optimum catalyst basicity and hydrophilic character*, Journal of hazardous materials 2019, 364, 356-366, Elsevier, Februarie 2019, **FI₂₀₂₃=12.20**, <https://doi.org/10.1016/j.jhazmat.2018.09.070>.
2. **MIRILĂ Diana-Carmen**, BOUDISSA Farida, BELTRAO-NUNES Ana-Paola, PLATON Nicoleta, DIDI Mohamed-Amine, NISTOR Ileana-Denisa, ROY Rene, AZZOUZ Abdelkrim; 2020; *Organic Dye Ozonation Catalyzed by Chemically Modified Montmorillonite K10– Role of Surface Basicity and Hydrophilic Character*; Ozone: Science & Engineering; Volumul 42; ISSN: 0191-9512 (Print) 1547-6545 (Online), **IF 2.1**, <https://doi.org/10.1080/01919512.2020.1727727>.
3. **Mirilă Diana-Carmen**, Răducanu D., Georgescu A.-M., Roșu A.-M., Ciubotariu V. A., Zichil V., Nistor, D.I, *Silver Nanoparticles Incorporated on Natural Clay as an Inhibitor against the New ISO SS Bacteria Isolated from Sewage Sludge, Involved in Malachite Green Dye Oxidation*, *Molecules*, 27(18), 5791; <https://doi.org/10.3390/molecules27185791>, WOS:000858816700001, 2023, **FI₂₀₂₂=4.2**.
4. **Mirilă, Diana Carmen**, Pirvan, M.S., Platon, N., **Georgescu, A.M.**, Zichil, V., Nistor, I.D., *Total mineralization of malachite green dye by advanced oxidation processes*, *Acta Chemica Iasi*, Volume: 26 Issue: 2 Pages: 263-280, <https://doi.org/10.2478/achi-2018-0017>, WOS:000456208800008, 2018, **FI₂₀₂₂=0.5**.
5. Hortolomeu A., **Mirilă D.-C.**, Georgescu A.-M., Roșu A.-M., Scutaru Y., Nedeff F.-M., Sturza R., Nistor I. D.*, *Retention of phthalates in wine using nanomaterials as chemically modified clays with H20, H30, H40 Boltron dendrimers*, *Nanomaterials*, ISSN 2079-4991, 2023, 13 (16), 2301; <https://doi.org/10.3390/nano13162301>, WOS:001056728300001, **FI₂₀₂₃=4.4**.
6. **MIRILĂ Diana-Carmen**, PÎRVAN Mădălina Ștefania, ROȘU Ana Maria, ZICHIL Valentin, NISTOR Ileana Denisa, *Activated adsorption on clay of micropollutants from paper printing industry*, Scientific Study & Research, Chemistry & Chemical Engineering, Biotechnology, Food Industry 2018, 19 (1), 63-72 **FI₂₀₂₃=0.3**.
7. HORTOLOMEU Andreea, **MIRILĂ Diana-Carmen**, ROȘU Ana-Maria, NEDEFF Florin-Marian, SCUTARU Yuri, URECHE Dorel, STURZA Rodica, FINARU Adriana-Luminița, NISTOR Ileana Denisa, *Chemically modified clay adsorbents used in the retention of protein and polyphenolic compounds from Sauvignon Blanc white wine*, *Nanomaterials (Basel)* 2024;14(7):588, **FI₂₀₂₃=4.4**, <https://doi.org/10.3390/nano14070588>.
8. **MIRILĂ Diana Carmen**, NISTOR Denisa Ileana, *Oxidative study of Acid Yellow 23 using K10-Montmorillonite chemically modified*, Journal of Engineering Sciences and Innovation Volume 6, Issue 2 / 2021, pp. 159-174; https://jesi.astr.ro/wp-content/uploads/2021/06/6_DIANA-CARMEN-MIRILA.pdf.
9. BONTAȘ Bogdan-Ioan, **MIRILĂ Diana-Carmen**, GRITCU Gabriel, NISTOR Ileana-Denisa, URECHE Dorel; 2020; *High Pollution with Heavy Metals NATURA 2000 Protected Area in Bacau County, Eastern Romania*; [Revista de Chimie București](https://doi.org/10.2478/revista-de-chimie-bucuresti),

Numarul 71 Volumul 6, pag. 154-169, (5 citări);
<https://doi.org/10.37358/RC.20.6.8180>.

10. AZZOUZ A., **MIRILĂ Diana-Carmen**, NISTOR Ileana-Denisa, BOUDISSA Farida and ROY R., *Advances in the oxidative degradation of organic pollutants: prospects for catalyzed oxidation processes and targeting total mineralization*, Nova Science Publishers, 2019; <https://novapublishers.com/shop/advances-in-chemistry-research-volume-49/>.

B. Teză de doctorat

„Contribuții privind utilizarea unor materiale pe bază de argilă în realizarea catalizatorilor pentru depoluarea apelor industriale”, susținută public în 23.09.2022, Universitatea ”Vasile Alecsandri” din Bacău, România, Domeniul **Ingenieria Mediului**.

C. Brevete de invenție și alte titluri de proprietate intelectuală

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D. Cărți și capitole din cărți

1. AZZOUZ A., **MIRILĂ Diana-Carmen**, NISTOR Ileana-Denisa, BOUDISSA Farida and ROY R., *Advances in the oxidative degradation of organic pollutants: prospects for catalyzed oxidation processes and targeting total mineralization*, Nova Science Publishers, 2019; <https://novapublishers.com/shop/advances-in-chemistry-research-volume-49/>.
2. Mirilă Diana-Carmen, *Proceduri de lucru pentru analize de laborator. Analiza calității apei în zonele rurale*, Editura Alma Mater, Bacău, 2024, p.80, ISBN 978-606-527-726-7

E. Articole publicate în reviste din fluxul științific internațional principal

1. Boudissa Farida, **Mirilă Diana-Carmen**, Aruş Vasilica Alisa, Terkmani T. Semaan S. Proulx M., Nistor Ileana-Denisa, Roy Rene, Azzouz Abdelkrim, *Acid-treated clay catalysts for organic dye ozonation- thorough mineralization through optimum catalyst basicity and hydrophilic character*, Journal of hazardous materials 2019, 364, 356-366, Elsevier, Februarie 2019, FI₂₀₂₃=12.20, <https://doi.org/10.1016/j.jhazmat.2018.09.070>.
2. **MIRILĂ Diana-Carmen**, BOUDISSA Farida, BELTRAO-NUNES Ana-Paola, PLATON Nicoleta, DIDI Mohamed-Amine, NISTOR Ileana-Denisa, ROY Rene, AZZOUZ Abdelkrim; 2020; *Organic Dye Ozonation Catalyzed by Chemically Modified Montmorillonite K10– Role of Surface Basicity and Hydrophilic Character*; Ozone: Science & Engineering; Volumul 42; ISSN: 0191-9512 (Print) 1547-6545 (Online), IF 2.1, <https://doi.org/10.1080/01919512.2020.1727727>.
3. **Mirilă Diana-Carmen**, Răducanu D., Georgescu A.-M., Roşu A.-M., Ciubotariu V. A., Zichil V., Nistor, D.I, *Silver Nanoparticles Incorporated on Natural Clay as an Inhibitor against the New ISO SS Bacteria Isolated from Sewage Sludge, Involved in Malachite Green Dye Oxidation*, *Molecules*, 27(18), 5791; <https://doi.org/10.3390/molecules27185791>, WOS:000858816700001, 2023, FI₂₀₂₂=4,2.

4. **Mirilă, Diana Carmen**, Pirvan, M.S., Platon, N., **Georgescu, A.M.**, Zichil, V., Nistor, I.D., *Total mineralization of malachite green dye by advanced oxidation processes*, **Acta Chemica Iasi**, Volume: 26 Issue: 2 Pages: 263-280, <https://doi.org/10.2478/achi-2018-0017>, WOS:000456208800008, **2018, FI₂₀₂₂=0,5**.
5. Hortolomeu A., **Mirilă D.-C.**, Georgescu A.-M., Roșu A.-M., Scutaru Y., Nedeff F.-M., Sturza R., Nistor I. D.*, *Retention of phthalates in wine using nanomaterials as chemically modified clays with H2O, H3O, H4O Boltron dendrimers*, **Nanomaterials**, ISSN 2079-4991, **2023**, 13 (16), 2301; <https://doi.org/10.3390/nano13162301>, WOS:001056728300001, **FI₂₀₂₃=4,4**.
6. **MIRILĂ Diana-Carmen**, PÎRVAN Mădălina Ștefania, ROȘU Ana Maria, ZICHIL Valentin, NISTOR Ileana Denisa, *Activated adsorption on clay of micropollutants from paper printing industry*, Scientific Study & Research, Chemistry & Chemical Engineering, Biotechnology, Food Industry **2018**, 19 (1), 63-72 **FI₂₀₂₃=0,3**.
7. HORTOLOMEU Andreea, **MIRILĂ Diana-Carmen**, ROȘU Ana-Maria, NEDEFF Florin-Marian, SCUTARU Yuri, URECHE Dorel, STURZA Rodica, FINARU Adriana-Luminița, NISTOR Ileana Denisa, *Chemically modified clay adsorbents used in the retention of protein and polyphenolic compounds from Sauvignon Blanc white wine*, **Nanomaterials (Basel)** **2024**;14(7):588, **FI₂₀₂₃=4,4**, <https://doi.org/10.3390/nano14070588>.
8. **MIRILĂ Diana Carmen**, NISTOR Denisa Ileana, *Oxidative study of Acid Yellow 23 using K10-Montmorillonite chemically modified*, Journal of Engineering Sciences and Innovation Volume 6, Issue 2 / **2021**, pp. 159-174; https://jesi.astr.ro/wp-content/uploads/2021/06/6_DIANA-CARMEN-MIRILA.pdf.
9. BONTAȘ Bogdan-Ioan, **MIRILĂ Diana-Carmen**, GRITCU Gabriel, NISTOR Ileana-Denisa, URECHE Dorel; **2020**; *High Pollution with Heavy Metals NATURA 2000 Protected Area in Bacau County, Eastern Romania*; [Revista de Chimie București](https://doi.org/10.37358/RC.20.6.8180), Numarul 71 Volumul 6, pag. 154-169, (5 citări); <https://doi.org/10.37358/RC.20.6.8180>.
10. Gabriela Muntianu, Ana-Maria Georgescu, Ana-Maria Roșu, Nicoleta Platon, Diana-Carmen Mirilă*, Vasilica-Alisa Aruș, Ileana-Denisa Nistor, *Electromagnetic field application in fluidization of metallic particles*, Scientific Study & Research, Chemistry & Chemical Engineering, Biotechnology, Food Industry, 2024, <https://doi.org/10.29081/ChIBA.2024.625>

F. Publicații în extenso, apărute în lucrări la principalele conferințe internaționale de specialitate

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G. Alte lucrări și contribuții științifice

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Data

Semnătura