

LISTA DE LUCRĂRI

Lista celor mai relevante 10 lucrări științifice publicate în domeniul tezei de abilitare

1. **Giannin Mosoarca**, Cosmin Vancea, Simona Popa, Marius Gheju, Sorina Boran, *Syringa vulgaris* leaves powder a novel low-cost adsorbent for methylene blue removal: isotherms, kinetics, thermodynamic and optimization by Taguchi method, *Scientific Reports*, **2020**, 10(1), 17676. <https://doi.org/10.1038/s41598-020-74819-x>
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2. **Giannin Mosoarca**, Simona Popa, Cosmin Vancea, Sorina Boran, Optimization, Equilibrium and Kinetic Modeling of Methylene Blue Removal from Aqueous Solutions Using Dry Bean Pods Husks Powder, *Materials*, **2021**, 14(19), 5673. <https://doi.org/10.3390/ma14195673>
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3. **Giannin Mosoarca**, Cosmin Vancea, Simona Popa, Sorina Boran, Bathurst burr (*Xanthium spinosum*) powder a new natural effective adsorbent for crystal violet dye removal from synthetic wastewaters, *Materials*, **2021**, 14(19), 5861. <https://doi.org/10.3390/ma14195861>
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4. **Giannin Mosoarca**, Cosmin Vancea, Simona Popa, Sorina Boran, Optimization of crystal violet adsorption on common lilac tree leaf powder as natural adsorbent material, *Global NEST Journal*, **2022**, 24(1), 87-96. <https://doi.org/10.30955/gnj.003951>
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IF = 4.967, Q1, WOS:000803656800001
7. **Giannin Mosoarca**, Cosmin Vancea, Simona Popa, Maria Elena Radulescu Grad, Sorina Boran, Powdered adsorbent obtained from bathurst burr biomass for methylene blue removal from aqueous solutions, *Journal of the Serbian Chemical Society*, **2022**, <https://doi.org/10.2298/JSC220316039M>
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8. **Giannin Mosoarca**, Cosmin Vancea, Simona Popa, Sorina Boran, Maria Elena Radulescu-Grad, Crystal violet removal from aqueous solutions using dry bean pods husks powder – optimization and desorption studies, *Ovidius University Annals of Chemistry*, **2022**, 33(2), 129 – 134. <https://doi.org/10.2478/auoc-2022-0019>
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10. **Giannin Mosoarca**, Cosmin Vancea, Simona Popa, Mircea Dan, Sorina Boran, Crystal violet adsorption on eco-friendly lignocellulosic material obtained from motherwort (*Leonurus cardiaca* L.) biomass, *Polymers*, **2022**, 14, 3825. <https://doi.org/10.3390/polym14183825>
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2. Adina Negrea, Maria Mihailescu, **Giannin Mosoarca**, Mihaela Ciopec, Narcis Duteanu, Petru Negrea, Vasile Minzatu, Estimation on Fixed-Bed Column Parameters of Breakthrough Behaviors for Gold Recovery by Adsorption onto Modified/Functionalized Amberlite XAD7, *International Journal of Environmental Research and Public Health*, 2020, 17(18), 6868. <https://doi.org/10.3390/ijerph17186868>
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5. Cosmin Vancea, Maria Mihailescu, Adina Negrea, **Giannin Mosoarca**, Mihaela Ciopec, Narcis Duteanu, Petru Negrea, Vasile Minzatu, Batch and fixed bed column studies on palladium recovery from acidic solution by modified MgSiO₃, *International Journal of Environmental Research and Public Health*, 2020, 17(24), 9500. <https://doi.org/10.3390/ijerph17249500>
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Semnătură candidat

