Fişa de îndeplinire a criteriilor minimale în vederea obţinerii atestatului de abilitare în domeniul Ingineria Mediului

Candidat RĂDULESCU-GRAD Maria Elena

Rădulescu-Grad Maria Elena				
cerinte abilitare				
	minim	realizat	raport realizat/minim	observatii**
NT	25	25	1,00	îndeplinit
NP	10	12	1,20	îndeplinit
NP cu FI>1	6	7	1,16	îndeplinit
FIC	20	30,26	1,51	îndeplinit
NC	100	192 (Scopus)	1,92	îndeplinit
		171 (Web of science)	1,71	îndeplinit

	NT realizat = 25 (NT minim = 25)					
	NP realizat = 12 (NP minim = 10)					
	NP cu FI>1 realizat = 7 (NP cu FI>1 minim = 6)					
	FIC realizat = 30,18 (FIC minim = 20)					
Nr. crt.	**Articol publicat in revista cotata ISI**	**Autor principal**	**Autor principal cu FI>1**	**Nr. total autori**	**Ultimul Factor de impact ISI**	**FIC**
1	Simu G., Funar-Timofei S., Kurunczi L., Hora S., Schmidt W., **Grad M.**, Synthesis and study of adsorption isotherms of a tris-azo direct dye on cotton fibres, Cellulose Chemistry and Technology, 2004, 38, 409-4016. WOS:000229625200010			6	1,1	0,18
2	Simu G.M., Hora S.G., **Grad M.E.**, Sisu E.N., Direct dyes derived from 4,4′-diaminobenzanilide: Synthesis, physicochemical properties and colouristic evaluation of some new trisazo direct dyes, Revista de Chimie, 2004, 55(11), 873-876. WOS:000225717300012			4	0	0

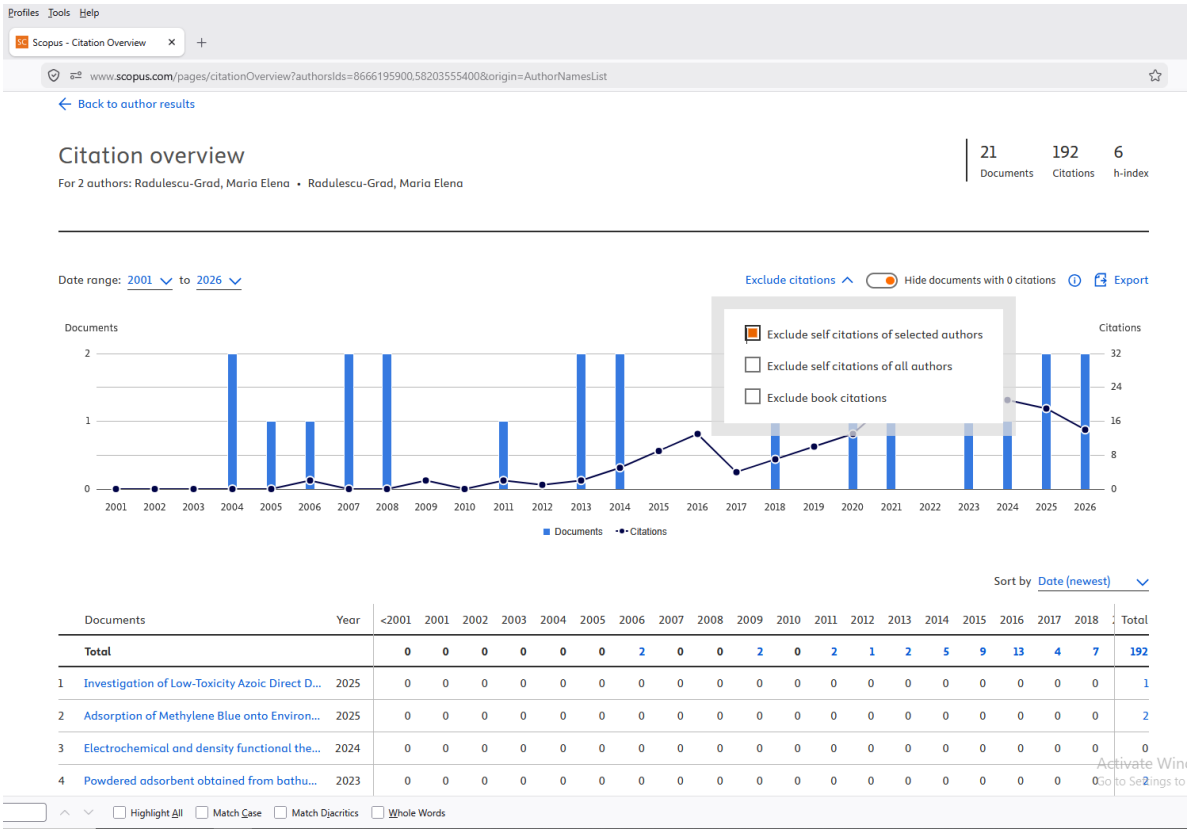
3	Simu G.M., Hora S.G., **Grad M.E.**, Sisu E.N., Direct dyes, derivatives from 4,4'-diaminobenzanilide. Synthesis, physicochemical properties and colouristic evaluation of some new trisazo direct dyes, Revue Romaine de Chemie, 2005, 50(2), 113-117. WOS:000230799000004			4	0,6	0,15
4	Simu G.M., Muntean S.G., **Grad M.E.**, Chicu S.A., Sisu E.N.V., Direct derivative dyes of 4,4-diaminobenzanilide III. Obtaining, characterization and toxicity evaluation of some new symmetrical disazo dyes, Revista de Chimie, 2006, 57(10), 1038-1040. WOS:000242700500011			5	0	0
5	**Grad M.E.**, Simu G.M., Muntean S.G., Lupea A.X., Synthesis, characterization and colour study inside the CIELAB colour space of some derivatives symmetric disazo dyes of 4,4′-diaminostilbene-2,2′-disulfonic acid, Revista de Chimie, 2007, 58(2), 214-217. WOS:000245736800019	1		4	0	0
6	**Grad M.E.**, Raditoiu V., Wagner L., Raditoiu A., Lupea A.X., Sinteza si caraderizarea unor cromogeni derivati ai acidului 4,4'-diaminostiben-2,2'-disulfonic, Revista de Chimie, 2007, 58(8), 786-790. WOS:000249456200018	1		5	0	0
7	**Grad M.E.**, Simu G.M., Lupea A.X., Tomas S., Pascariu A., Synthesis and colour assessment of some new stilbene azo dyes, Revue Roumaine de Chimie, 2008, 53(2), 107-111. WOS:000260534300003	1		5	0,6	0,6
8	**Grad M.E.**, Raditoiu V., Popa S., Jurcau D., Lupea A.X., Colour and Tinctorial Behaviour of Some Chromogens Derivatives of 4,4'-diaminostilbene-2,2'-disulphonic Acid, Revista de Chimie, 2008, 59(12), 1355-1360. WOS:000261704800016	1		5	0	0
9	Atchana J., Simu G.M., Hora S.G., **Grad M.E.**, Tchatchueng J.B., Benguellah B.L., Kamga R., Removal of some disazo compounds from water by photocatalysis, Journal of Food Agriculture & Environment, 2011, 9(1), 457-460, WOS:000288779300089			7	0	0
10	Muntean S.G., Paska O., Coseri S., Simu G.M., **Grad M.E.**, Ilia G., Evaluation of a functionalized copolymer as adsorbent on direct dyes removal process: Kinetics and equilibrium studies, Journal of Applied Polymer Science, 2013, 127(6), 4409-4421. WOS:000312940400026			6	2,8	0,46

11	**Grad M.E.**, Simu G.M., Muntean S.G., Ilia G., Synthesis, characterization and colour determination using CIELAB colour space of stilbene dyes, Journal of the Iranian Chemical Society, 2013, 10(4), 807-816. WOS:000319514200022	1	1	4	2,3	2,3
12	Muntean S.G., **Radulescu-Grad M.E.**, Sfârloaga P., Dye adsorbed on copolymer, possible specific sorbent for metal ions removal, RSC Advances, 2014 4(52), 27354-27362. WOS:000338643500035			3	4,6	1,53
13	Muntean S.G., Todea A., **Radulescu-Grad M.E.**, Popa A., Decontamination of colored wastewater using synthetic sorbents, Pure and Applied Chemistry, 2014, 86(11), 1771-1780. WOS:000345063300014			4	2	0,5
14	Andelescu A., Nistor M.A., Muntean S.G., **Radulescu-Grad M.E.**, Adsorption studies on copper, cadmium, and zinc ion removal from aqueous solution using magnetite/carbon nanocomposites, Separation Science and Technology, 2018, 53(15), 2352-2364. WOS:000452275200002			4	2,3	0,57
15	**Radulescu-Grad M.E.**, Visa A., Milea M.S., Lazau R.I., Popa S., Funar-Timofei S., Synthesis, spectral characterization, and theoretical investigations of a new azo-stilbene dye for acrylic resins, Journal of Molecular Structure, 2020, 1217, 128380. WOS:000544054000013	1	1	6	4,7	4,7
16	Popa S., **Radulescu-Grad M.E.**, Perdivara A., Mosoarca G., Aspects regarding colour fastness and adsorption studies of a new azo-stilbene dye for acrylic resins, Scientific Reports, 2021, 11(1), 5889. WOS:000630515100013	1	1	4	3,9	3,9
17	Mosoarca G., Vancea C., Popa S., Boran S., **Radulescu-Grad M.E.**, 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. WOS:000843699700001			5	1,1	0,22
18	Mosoarca G., Vancea C., Popa S., **Radulescu-Grad M.E.**, Boran S., Powdered adsorbent obtained from bathurst burr biomass for methylene blue removal from aqueous solutions, Journal of The Serbian Chemical Society, 2023, 88(3), 327–341. WOS:000835424700001			5	0,7	0,14

19	Mosoarca G., Vancea C., Popa S., Boran S., Negrea P., **Radulescu-Grad M.E.**, Studies Regarding Copper Ions Removal from Wastewaters Using Oak Wood Ash and the Effect of Exhausted Ash as Soil Amendment, Studia Universitatis Babes-Bolyai Chemia, 2023, 68(1), 193-209. WOS:000973917200012			6	0,5	0,08
20	Costea L.V., **Radulescu-Grad M.E.**, Fafilek G., Electrochemical and density functional theory studies of some newly synthesized azo-stilbene chromogenic structures, Monatshefte fűr Chemie, 2024, 155(5), 493-505. WOS:001182233700001			3	1,9	0,63
21	Mosoarca G., Vancea C., Popa S., **Radulescu-Grad M.E.**, Dan M., Tanasie C., Boran S., Adsorption of Methylene Blue onto Environmentally Friendly Lignocellulosic Material Obtained from Mature Coltsfoot (*Tussilago farfara*) Leaves, Polymers, 2025, 17(11), 1549. WOS:001505718700001	1	1	7	4,9	4,9
22	**Radulescu-Grad M.E.**, Popa S., Mosoarca G., Gherman V.D., Investigation of Low-Toxicity Azoic Direct Dyes Synthesized from 4,4′-Diaminobenzanilide, Processes, 2025, 13(18), 2505. WOS:001557590700001	1	1	4	2,8	2,8
23.	**Radulescu-Grad M.E.**, Popa S., Boran S., Mosoarca G., Synthesis, Characterization and *CIEL*a*b** Color Space Study of Two Eco-Friendly Direct Stilbene Azoic Dyes, Studia Universitatis Babes-Bolyai Chemia, 2026, 71(1), 19-30. WOS:001733206300002	1		4	0,5	0,5
24.	**Radulescu-Grad M.E.**, Boran S., Mosoarca G., Nitu S., Popa S., Analysis and Color Studies of Some Symmetrically Structured Disazo-Stilbene Dyes Based on Non-Genotoxic 4,4′-Diaminostilbene-2,2′-Disulfonic Acid, Processes, 2026, 14, 1295. https://doi.org/10.3390/pr14081295	1	1	5	2,8	2,8
25.	Mosoarca G., Vancea C., Popa S., **Radulescu-Grad M.E.**, Dan M., Tanasie C., Boran S., Sustainable Lignocellulosic Biosorbent Derived from Asplenium scolopendrium Leaves for the Adsorptive Removal of Methylene Blue from Aqueous Solutions, Sustainability 2026, 18, 4145. https://doi.org/10.3390/su18084145	1	1	7	3,3	3,3
	TOTAL	**12**	**7**		**42,9**	**30,26**

Număr total de citări (din baza SCOPUS) (fără autocitări)

NC = 192



	Documents	Year	<2001	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Total
	Total		**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**2**	**0**	**2**	**1**	**2**	**5**	**9**	**13**	**4**	**7**	**192**
1	Investigation of Low-Toxicity Azoic Direct D...	2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Adsorption of Methylene Blue onto Environ...	2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
3	Electrochemical and density functional the...	2024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Powdered adsorbent obtained from bathu...	2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

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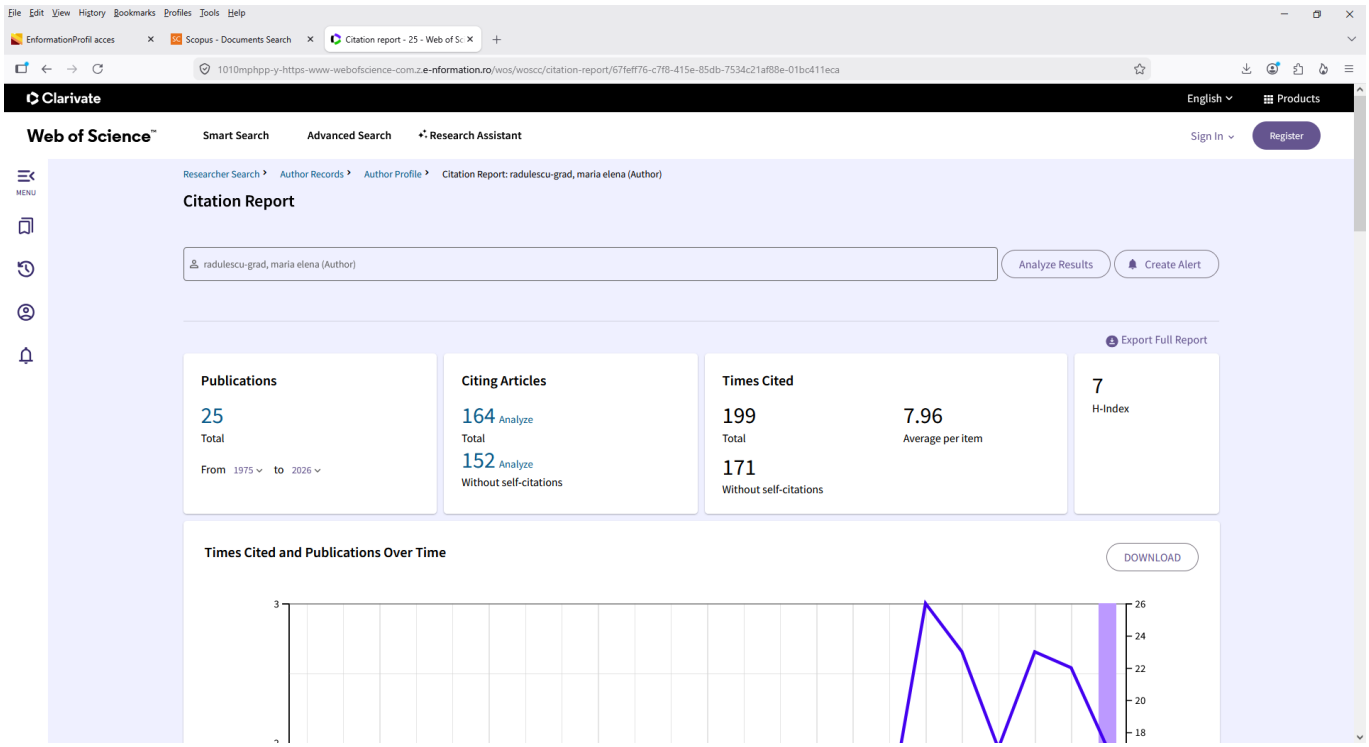
Număr total de citări (din baza Web of Science) (fără autocitări)

NC = 171



Dr. ing. Rădulescu Grad Maria Elena

Semnătură candidat

Rgrad

Rgrad

	Citări Scopus	
Nr. crt.	**Articol publicat in revista cotata ISI**	**Unde a fost citat**
1	Simu G., Funar-Timofei S., Kurunczi L., Hora S., Schmidt W., **Grad M.**, Synthesis and study of adsorption isotherms of a tris-azo direct dye on cotton fibres, Cellulose Chemistry and Technology, 2004, 38, 409-4016. WOS:000229625200010 **2 citări**	1. Zeng H., Tang R.-C., Adsorption properties of direct dyes on viscose/chitin bicomponent fiber: Evaluation and comparison with viscose fiber, RSC Advances, 2014, 4 (72), pp. 38064 – 38072. DOI: 10.1039/c4ra05874g, WOS:000341455200016 2. Funar-Timofei S., Fabian W.M.F., Simu G.M., Suzuki T., Quantitative structure-retention relationships (QSRR) for chromatographic separation of disazo and trisazo 4,4′-diaminobenzanilide-based dyes, Croatica Chemica Acta, 2006, 79 (2), pp. 227 – 236. WOS:000238729800009
2	Simu G.M., Hora S.G., **Grad M.E.**, Sisu E.N., Direct dyes derived from 4,4′-diaminobenzanilide: Synthesis, physicochemical properties and colouristic evaluation of some new trisazo direct dyes, Revista de Chimie, 2004, 55(11), 873-876. WOS:000225717300012 **2 citări**	1. Simu G.M., Ledeti I.V., Muntean S.G., Fulias A., Citu I.M., Soica C., Onisei D., Savoiu-Balint G., Pinzaru I., Ionescu D., Study of the interaction of some pharmaceutical compounds with different cellulosic supports, Revista de Chimie, 2014, 65 (6), pp. 664 – 670. WOS:000339140400008 2. Funar-Timofei S., Fabian W.M.F., Simu G.M., Suzuki T., Quantitative structure-retention relationships (QSRR) for chromatographic separation of disazo and trisazo 4,4′-diaminobenzanilide-based dyes, Croatica Chemica Acta, 2006, 79(2), pp. 227 – 236. WOS:000238729800009
3	Simu G.M., Hora S.G., **Grad M.E.**, Sisu E.N., Direct dyes, derivatives from 4,4'-diaminobenzanilide. Synthesis, physicochemical properties and colouristic evaluation of some new trisazo direct dyes, Revue Romaine de Chemie, 2005, 50(2), 113-117. WOS:000230799000004 **5 citări**	1. Khadm N.J., Shannak Q.A., Ibraheem T.K., Synthesis new derivatives of Azo compounds contain a Schiff bases and evaluate their biological activity, Edelweiss Applied Science and Technology, 2024, 8(6), pp. 9605 – 9608. DOI: 10.55214/25768484.v8i6.4061 2. Muntean S.G., Szabadai Z., Halip L., Investigation of aggregation behavior using computational methods and absorption spectra for trisazo direct dyes, Structural Chemistry, 2016, 27(4), pp. 1049 – 1059. DOI: 10.1007/s11224-015-0705-6. WOS:000379983100003 3. Saley S., Tilloo S., Synthesis of some new AZO compounds and their antimicrobial screening, International Journal of Pharmacy and Technology, 2012, 4(3), pp. 4600 - 4606. 4. Sisu I., Sisu E., Simu G.M., Modified polysaccharides with azoic chromophores 1. hydrophylic diaminodiphenil methane dye, Revue Roumaine de Chimie, 2011, 56(5), pp. 527 – 536. WOS:000296956700008 5. Simu G.M., Agrigoroaie G., Dragomirescu A., Andoni M., Synthesis, physico-chemical characterization and in vivo imagistic skin evaluation of a new disazo dye containing eco-friendly precursors, Revista de Chimie, 2009, 60(12), pp. 1309 – 1312. WOS:000274231200016
4	Simu G.M., Muntean S.G., **Grad M.E.**, Chicu S.A., Sisu E.N.V., Direct derivative dyes of 4,4-diaminobenzanilide III. Obtaining, characterization and toxicity evaluation of some new symmetrical disazo dyes, Revista de Chimie, 2006, 57(10), 1038-1040. WOS:000242700500011 **4 citări**	1. Nicola R., Muntean S.-G., Nistor M.-A., Putz A.-M., Almásy L., Săcărescu L., Highly efficient and fast removal of colored pollutants from single and binary systems, using magnetic mesoporous silica, Chemosphere, 2020, 261, 127737. DOI: 10.1016/j.chemosphere.2020.127737. WOS:000581030700063 2. Nistor M.A., Muntean S.G., Maranescu B., Visa A., Phosphonate metal–organic frameworks used as dye removal materials from wastewaters, Applied Organometallic Chemistry, 2020, 34(11), e5939. DOI: 10.1002/aoc.5939. WOS:000552629100001 3. Muntean S.G., Nistor M.A., Ianoș R., Păcurariu C., Căpraru A., Surdu V.-A. Combustion synthesis of Fe3O4/Ag/C nanocomposite and application for dyes removal from multicomponent systems, Applied Surface Science, 2019, 481, pp. 825 – 837. DOI: 10.1016/j.apsusc.2019.03.161. WOS:000472176900100 4. Sisu I., Sisu E., Simu G.M., Modified polysaccharides with azoic chromophores 1. hydrophylic diaminodiphenil methane dye, Revue Roumaine de Chimie, 2011, 56(5), pp. 527 – 536. WOS:000296956700008
5	**Grad M.E.**, Simu G.M., Muntean S.G., Lupea A.X., Synthesis, characterization and colour study inside the CIELAB colour space of some derivatives symmetric disazo dyes of 4,4′-	1. Dippong T., Goga F., Levei E.-A., Cadar O., Influence of zinc substitution with cobalt on thermal behaviour, structure and morphology of zinc ferrite embedded in silica matrix, Journal of Solid State Chemistry, 2019, 275, pp. 159 – 166. DOI: 10.1016/j.jssc.2019.04.011. WOS:000469901300020

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	diaminostilbene-2,2′-disulfonic acid, Revista de Chimie, 2007, 58(2), 214-217. WOS:000245736800019 **1 citare**	
6	**Grad M.E.**, Raditoiu V., Wagner L., Raditoiu A., Lupea A.X., Sinteza si caraderizarea unor cromogeni derivati ai acidului 4,4'-diaminostiben-2,2'-disulfonic, Revista de Chimie, 2007, 58(8), 786-790. WOS:000249456200018 **1 citare**	1. Likhtenshtein G., Stilbenes: Applications in Chemistry, Life Sciences and Materials Science, Stilbenes: Applications in Chemistry, Life Sciences and Materials Science, 2009, pp. 1 - 348, DOI: 10.1002/9783527628087
7	**Grad M.E.**, Simu G.M., Lupea A.X., Tomas S., Pascariu A., Synthesis and colour assessment of some new stilbene azo dyes, Revue Roumaine de Chimie, 2008, 53(2), 107-111. WOS:000260534300003 **3 citări**	1. Smokal V., Kharchenko O., Kutsevol N., Panova A., Side-chain quinoline polymers: synthesis and photochemical properties, Molecular Crystals and Liquid Crystals, 2023, 751 (1), pp. 64 – 72. DOI: 10.1080/15421406.2022.2073530. WOS:000796926800001 2. Miladinova P.M., SYNTHESIS AND INVESTIGATION OF SOME BIS(DICHLOROTRIAZINE) REACTIVE DYES CONTAINING STABILIZER FRAGMENT, Journal of Chemical Technology and Metallurgy, 2023, 58(2), pp. 243 – 251. 3. Krupka O., Kharchenko O., Smokal V., Kysil A., Kolendo A., New Methacrylic Polymers with Heterocyclic Analogs of Stilbene in Side Chain – Promising Materials for Optoelectronics, Springer Proceedings in Physics, 2019, 222, pp. 131 – 143. DOI: 10.1007/978-3-030-17755-3_9
8	**Grad M.E.**, Raditoiu V., Popa S., Jurcau D., Lupea A.X., Colour and Tinctorial Behaviour of Some Chromogens Derivatives of 4,4'-diaminostilbene-2,2'-disulphonic Acid, Revista de Chimie, 2008, 59(12), 1355-1360. WOS:000261704800016 **4 citări**	1. Popa S., Boran S., CIELAB and thermal properties of sesame food oil under antocyanin and UV influence, Revista de Chimie, 2017, 68(6), pp. 1401 – 405. DOI: 10.37358/rc.17.6.5682. WOS:000408702900052 2. Popa S., Boran S., Davidescu C., Influence of storage conditions upon ciel ab and thermal properties of sesame food oil, Revista de Chimie, 2016, 67(7), pp. 1290 – 1293. WOS:000385513000011 3. Popa S., Boran S., Davidescu C., Walnut food oil under UV radiation - Influence upon CIELAB and thermal properties of antocyanin addition, Revista de Chimie, 2016, 67(5), pp. 858 – 861. WOS:000378158100008 4. Popa S., Padure M., Gruescu C.M., Boran S., New salicilic acid-based azo dyes: Synthesis, characterization and colour properties Revista de Chimie, 2015, 66 (12), pp. 2021 – 2027. WOS:000368437100022
9	Atchana J., Simu G.M., Hora S.G., **Grad M.E.**, Tchatchueng J.B., Benguellah B.L., Kamga R., Removal of some disazo compounds from water by photocatalysis, Journal of Food Agriculture & Environment, 2011, 9(1), 457-460, WOS:000288779300089 **4 citări**	1. Simu G.M., Atchana J., Soica C.M., Coricovac D.E., Simu S.C., Dehelean C.A., Pharmaceutical mixtures: Still a concern for human and environmental health, Current Medicinal Chemistry, 2020, 27(1), pp. 121 – 153. DOI: 10.2174/0929867325666181108094222. WOS:000514830900010 2. Anombogo G.A.M., Măicăneanu A., Mbah J.B.B., Ndjeumi C.C., Coteţ L.C., Kamga R., Physico-chemical properties and crystal violet adsorption performances of H3PO4 - modified mango seeds kernel, Studia Universitatis Babes-Bolyai Chemia, 2016, 61(3TOM1), pp. 195 – 214. WOS:000393577300020 3. Anombogo G.A.M., Măicăneanu A., Mbah J.B.B., Ndjeumi C.C., Kamga R. Optimitization of crystal violet adsorption performances on to H3PO4-modified mango seeds kernel using a box-behnken experimental design. International Journal of ChemTech Research, 2015, 8 (11), pp. 502 - 510. 4. Tang W., Gong J., Zhang M., Li C., Zeng X., A strain decolourizing Reactive Red X-3B and its performance study. Journal of Food, Agriculture and Environment, 2013, 11 (3-4), pp. 1592 – 1595.
10	Muntean S.G., Paska O., Coseri S., Simu G.M., **Grad M.E.**, Ilia G., Evaluation of a functionalized copolymer as adsorbent on direct dyes removal process: Kinetics and equilibrium studies, Journal of Applied Polymer Science, 2013, 127(6), 4409-4421. WOS:000312940400026 **23 citări**	1. Oninla V.O., Awokoya K.N., Babalola J.O., Balogun K.I., Ismail O.S., Optimization of synthesis conditions for graft copolymerization of methacrylic acid onto Garcinia kola pods and use in the sequestration of cationic dyes from simulated wastewaters, Biomass Conversion and Biorefinery, 2024, 14 (21), pp. 26809 – 26826. DOI: 10.1007/s13399-022-03443-8. WOS:000874422800003 2. Mohini G., Sahoo J.K., Sahoo S.K., Dash A., Choudhury Y., Removal of congo red and malachite green from aqueous solution using ternary GO/Bi2O3/MgO materials by co-precipitation method, Journal of the Indian Chemical Society, 2024, 101 (10), art. no. 101323. DOI: 10.1016/j.jics.2024.101323. WOS:001301536100001

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3. Haghighat G.A., Badalians Gholikandi G., Mirabi M., Shams M., Photocatalytic removal of crystal violet by C–MIL–53(Fe)@BiOI heterojunction: Process modeling and optimization, Journal of Photochemistry and Photobiology A: Chemistry, 2024, 449, 115342. DOI: 10.1016/j.jphotochem.2023.115342. WOS:001128007400001

4. Rashidinia A., Dinari M., An amine-rich porous organic polymer with flexible diarylmethane moieties for adsorptive removal of anionic dyes, New Journal of Chemistry, 2023, 47 (36), pp. 17174 – 17185. DOI: 10.1039/d3nj01950k. WOS:001055813700001

5. Fekri M.H., Soleymani S., Mehr M.R., Saki F., Removal of methyl orange dye from aqueous solutions by SBA-16 nano mesopore and optimization of effective parameters using response surface method, Iranian Journal of Health and Environment, 2023, 16 (2), pp. 339 – 356.

6. Hassan M.M., Abudi Z.N., Al-Furaiji M.H., Polysulfone Ultrafiltration Membranes Embedded with Silica Nanoparticles for Enhanced Dye Removal Performance, Progress in Color, Colorants and Coatings, 2023, 16 (2), pp. 165 – 179. DOI: 10.30509/pccc.2022.167016.1185

7. Plesu N., Macarie L., Popa A., Ilia G., Polymeric supports for water treatment applications, Water-Formed Deposits: Fundamentals and Mitigation Strategies, 2022, pp. 397 – 433. DOI: 10.1016/B978-0-12-822896-8.00026-1

8. Nistor M.-A., Muntean S.G., Ianoș R., Racoviceanu R., Ianași C., Cseh L., Adsorption of anionic dyes from wastewater onto magnetic nanocomposite powders synthesized by combustion method, Applied Sciences (Switzerland), 2021, 11 (19), 9236. DOI: 10.3390/app11199236. WOS:000707997300001

9. Nicola R., Muntean S.-G., Nistor M.-A., Putz A.-M., Almásy L., Săcărescu L., Highly efficient and fast removal of colored pollutants from single and binary systems, using magnetic mesoporous silica, Chemosphere, 2020, 261, 127737. DOI: 10.1016/j.chemosphere.2020.127737. WOS:000581030700063

10. Wang J., Cheng G., Lu J., Chen H., Zhou Y., PDA-cross-linked beta-cyclodextrin: A novel adsorbent for the removal of BPA and cationic dyes, Water Science and Technology, 2020, 81(11), pp. 2337 – 2350. DOI: 10.2166/wst.2020.286. WOS:000562452600006

11. Maranescu B., Lupa L., Visa A., Synthesis, characterization and rare earth elements adsorption properties of phosphonate metal organic frameworks, Applied Surface Science, 2019, 481, 83 – 91. DOI: 10.1016/j.apsusc.2019.03.067. WOS:000472176900011

12. Puri C., Sumana G., Highly effective adsorption of crystal violet dye from contaminated water using graphene oxide intercalated montmorillonite nanocomposite, Applied Clay Science, 2018, 166, pp. 102 – 112. DOI: 10.1016/j.clay.2018.09.012. WOS:000449135300012

13. Muntean S.G., Nistor M.A., Muntean E., Todea A., Ianoș R., Păcurariu C., Removal of Colored Organic Pollutants from Wastewaters by Magnetite/Carbon Nanocomposites: Single and Binary Systems, Journal of Chemistry, 2018, 2018, 6249821. DOI: 10.1155/2018/6249821. WOS:000434184800001

14. Attallah O.A., Al-Ghobashy M.A., Nebsen M., Salem M.Y., Adsorptive Removal of Fluoroquinolones from Water by Pectin-Functionalized Magnetic Nanoparticles: Process Optimization Using a Spectrofluorimetric Assay, ACS Sustainable Chemistry and Engineering, 2017, 5(1), pp. 133 – 145. DOI: 10.1021/acssuschemeng.6b01003. WOS:000391246000015

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