UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
FACULTATEA DE INGINERIE CHIMICĂ ȘI PROTECȚIA MEDIULUI CRISTOFOR SIMIONESCU
DEPARTAMENTUL DE POLIMERI NATURALI ȘI SINTETICI

FIŞA DE VERIFICARE

a îndeplinirii standardelor minimale naţionale pentru Profesor/CS I

COMISIA DE INGINERIE CHIMICĂ, INGINERIE MEDICALĂ, ȘTIINȚA MATERIALELOR ȘI NANOMATERIALE

Candidat: **Stan Corneliu Sergiu /** Data naşterii: 29.12.1964

Funcţia actuală: Cercetător științific CSII

Instituţia: UNIVERSITATEA TEHNICĂ "Gheorghe Asachi" DIN IAŞI/ Facultatea de Inginerie Chimică și Protecția Mediului “Cristofor Simionescu”

COMISIA DE INGINERIE CHIMICĂ, INGINERIE MEDICALĂ, ȘTIINȚA MATERIALELOR ȘI NANOMATERIALE – Standarde minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior și a gradelor profesionale de cercetare – dezvoltare, conform ordin 6129/20.12.2016 : Profesor/**CS I**
Standarde minimale (cumulative):
a) NTOP ≥ 4
b) NP ≥ 20
c) FIC ≥ 30
În acest caz în calculul FIC se ţine seamă de factorul de impact al revistei la care candidatul a publicat un articol ca autor principal şi respectiv de factorul de impact împărţit la numărul de autori pentru revistele în care candidatul a publicat un articol în care nu este autor principal
d) NC ≥ 120
Brevetele naţionale (FI = 1) şi internaţionale (FI = 3) intră în calculul FIC de la punctul c)
e) NCO ≥ 1 (in calitate de Director proiect/Responsabil proiect)

Se definesc:
NTOP = număr total de articole ISI situate in top 25% (zona roșie) în calitate de autor principal. Situația revistelor in top 25% se judecă pe cazul cel mai favorabil pentru candidat, fie la momentul publicării, fie la data înscrierii la concurs
NP = numar articole in reviste ISI la care autorul este autor principal (prim autor sau autor de corespondență)
FIC = factor de impact cumulat (suma factorilor de impact ale revistelor la momentul înscrierii la concursul pentru ocuparea unei poziții didactice)
NC = număr total de citări (din baza scopus) (se exclud autocitările candidatului)
NCO = număr contracte de cercetare – dezvoltare – inovare obținute prin competiție la nivel național sau internațional ori contracte de cercetare – dezvoltare – inovare cu terții în valoare minimă echivalentă cu 10.000 Euro
Articolele pentru calculul NTOP, FIC, NP, NC se vor lua in considerare numai daca la data publicării revista era indexata ISI, iar la data înscrierii la concurs a candidatului articolele sunt vizibile in WoS sau dacă se prezintă ca reprinturi (inclusiv cu paginația revistei.

Sumar

Web of Science ResearcherID: A-9023-2016
https://orcid.org/0000-0001-8271-0708

Standarde minimale	Realizat
a) NTOP ≥ 4	NTOP = 8
b) NP ≥ 20	NP = 24
c) FIC ≥ 30	FIC = 90,41
d) NC ≥ 120	NC= Web of Science - 412/372 citari/fără autocitări; Scopus - 444/398 citari/fără autocitări
e) NCO ≥ 1	NCO = 1

Calcul

a) NTOP ≥ 4 ; realizat: NTOP=8

1. **C.S.Stan***, A. Coroaba, N. Simionescu, C.M. Uritu, D. Bejan, L.E. Ursu, A.I. Dascalu, F. Doroftei, M. Dobromir, C. Albu, C.O. Ania, Mn-Doped Carbon Dots as Contrast Agents for Magnetic Resonance and Fluorescence Imaging, Int. J. of Molecular Sciences 2025, 26, 6293. https://doi.org/10.3390/ijms26136293
   conform: https://uefiscdi.gov.ro/resource-865584-JCR_2024.iunie2025.pdf ; pag.46/785 (Q1 conform WoS)
2. **C.S. Stan*,** A. Coroaba, E. L. Ursu, M. S. Secula, B. C. Simionescu, Fe(III) doped carbon nanodots with intense green photoluminescence and dispersion medium dependent emission, Scientific Reports 9, 18893, 2019 doi:10.1038/s41598-019-55264-x. (Q1 conform WoS)
   conform: https://uefiscdi.gov.ro/resource-821873-clasament2020.if.pdf : pag.343/688
3. **C.S. Stan***, A. Coroaba, M. Popa, C. Albu, D. Sutiman, One step synthesis of fluorescent Carbon Dots through pyrolysis of N-hydroxysuccinimide, RSC-Journal of Materials Chemistry C 3, pp.789-795, 2014 doi: 10.1039/C4TC02382J. (Q1 conform WoS)
   conform: https://uefiscdi.ro link ; pag. 277/707
4. L. Stan, T. Malutan, I. Volf, M Popa, C. E. Tincu, **C.S. Stan***, Photoluminescent Polymer Aerogels with R, G and B Emission, Int. J. of Molecular Sciences, 23(24), 2022 16004; https://doi.org/10.3390/ijms232416004 conform : https://uefiscdi.gov.ro/resource-866009-zone.iunie.2023.jif.pdf ; pag.57/1098 (Q1 conform WoS)
5. **C.S. Stan***, N. Marcotte, M.S. Secula, M. Popa, Luminescent xerogels obtained through embedding Tb(III) and Eu(III) complexes in silica matrix, Optical Materials, 35(9), 1741–1747, 2013. doi: 10.1016/j.optmat.2013.05.025, 2013 conform: https://uefiscdi.gov.ro/resource-865584-JCR_2024.iunie2025.pdf ; pag. 567/785 (Q1 conform WoS)
6. **C.S. Stan***, N. Marcotte, M.S. Secula, M. Popa, A New Photoluminescent Silica Aerogel Based on N-Hydroxysuccinimide –Tb(III) Complex,
   Journal of Sol-Gel Science and Technology, 69(1), pp.207-213, 2014. doi: 10.1007/s10971-013-3205-4
   Conform: https://uefiscdi.gov.ro/resource-865584-JCR_2024.iunie2025.pdf ; pag. 441/785 (Q1 conform WoS)
7. **C. S. Stan***, M. Popa, N. Marcotte , Photoluminescent polymer composites based on new Tb(III) and Eu(III) – Maleimide complexes, Springer- Journal of Inorganic and Organometallic Polymers and Materials 24(4), pp. 676-683, 2014. doi: 10.1007/s10904-014-0044-x, 2014. (Q1 conform WoS)
8. **C.S. Stan**, I. Rosca, D. Sutiman, M.S. Secula, Highly luminescent europium and terbium complexes based on succinimide and n-hydroxysuccinimide, Journal of Rare Earths, 30 (5), pp.401-407, 2012. doi: 10.1016/S1002-0721(12)60061-1 (Q1 conform WoS)

b) NP ≥ 20 ; realizat: NP=24

1. **C.S. Stan***, A. Coroaba, N. Simionescu, C.M. Uritu, D. Bejan, L.E. Ursu, A.I. Dascalu, F. Doroftei, M. Dobromir, C. Albu, C.O. Ania, Mn-Doped Carbon Dots as Contrast Agents for Magnetic Resonance and Fluorescence Imaging. Int J Mol Sci. 26(13):6293, 2025. doi: 10.3390/ijms26136293.

2. **C.S. Stan**, A.Coroaba, C. O. Ania, C. Albu, M. Popa, Markedly Enhanced Photoluminescence of Carbon Dots Dispersed in Deuterium Oxide, J. of. Carbon Research11(1), 10, 2025, https://doi.org/10.3390/c11010010.
3. **C.S. Stan***, N. Elouakassi, C. Albu, C.O. Ania, A. Coroaba, L.E. Ursu, M. Popa, H. Kaddami, A. Almaggoussi, Photoluminescence of Argan-Waste-Derived Carbon Nanodots Embedded in Polymer Matrices. Nanomaterials. 2024; 14(1):83. https://doi.org/10.3390/nano14010083
4. L. Stan, I. Volf* , **C.S. Stan***, C. Albu, A. Coroaba, L. E. Ursu, M. Popa, Intense Blue Photo Emissive Carbon Dots Prepared through Pyrolytic Processing of Ligno-Cellulosic Wastes, Nanomaterials 13, 131, 2023. doi.org/10.3390/nano13010131
5. L. Stan, T. Malutan, I. Volf, M Popa, C. E. Tincu, **C.S. Stan***, Photoluminescent Polymer Aerogels with R, G and B Emission, International Jour-nal of Molecular Sciences 23, 16004, 2022. doi.org/10.3390/ijms232416004
6. **C.S. Stan***, A. Coroaba, E. L. Ursu, M. S. Secula, B. C. Simionescu, Fe(III) doped carbon nanodots with intense green photoluminescence and dispersion medium dependent emission, Nature Scientific Reports 9, 18893, 2019 doi:10.1038/s41598-019-55264-x
7. **C.S. Stan***, A. Coroaba, M. Popa, L. E. Ursu, Highly photoemissive polymer-transition metal complexes based onPoly(2-hydroxy ethyl) methacrylate, Polymer International, 69(11), pp. 1081-1088, 2020. https://doi.org/10.1002/pi.5926.
8. **C.S. Stan**, G. Soreanu*, M. Popa, P Horlescu, T. Lupascu, I. Cretescu, A new approach to obtain aerogels for gas safety applications, Environmental engineering and management journal 18(8), pp. 1815-1820, 2019
9. **C.S Stan***, P. Horlescu, L. E. Ursu, M. Popa, C. Albu, Facile preparation of highly luminescent composites by polymer embedding of carbon dots derived from N-hydroxyphthalimide, Springer- J. of Material Science 52(1), pp. 185-196, 2017. doi 10.1007/s10853-016-0320-y.
10. C. Y. Rosca, P. Horlescu, **C.S. Stan***, D. Sutiman, Photoemissive polymer composite based on new Y(III), Gd(III) and Tb(III) complexes with N-hydroxyphtalimide, Turkish J. of Chemistry 41(5), pp.648-657, 2017. (I. F: 1.07). DOI: 10.3906/kim-1609-69
11. **C.S. Stan***, P. Horlescu, M. Popa, A. Coroaba, L. E. Ursu, Photoluminescent polymer composites with R, G, B emission and their potential applications in LCD displays, RSC-New J. of Chemistry 40, pp.6505 – 6512, 2016.
12. C. Albu, **C.S. Stan***, P. Horlescu, Fluorescent Carbon Dots Prepared Through Thermal Processing of Succinimide, Digest Journal of Nanomaterials and Biostructures 11(1), pp.133-139, 2016.
13. **C.S. Stan***, C. Peptu, M. Popa, D. Sutiman, P. Horlescu , Novel Y3+, Sm3+, Eu3+, Gd3+ and Tb3+ complexes with 2-(1H-1,2,4-Triazol-3-yl)pyridine and their remarkable photoluminescent properties, Elsevier- Inorganica Chimica Acta 429, pp. 160-167, 2015. doi: 10.1016/j.ica.2015.01.041
14. P. Horlescu, **C.S. Stan***, D. Sutiman, C. Mita, C. Peptu, M. E. Fortuna, C. Albu, New Complexes of 2-(1H-1, 2, 4-Triazol-3-YL) Pyridine with Co(II), Cd(II), Rh(III) Ions: Synthesis, Structure, Properties and Potential Applications, E.E.M.J. 14(2), pp.383-391, 2015.
15. **C.S. Stan***, A. Coroaba, M. Popa, C. Albu, D. Sutiman, One step synthesis of fluorescent Carbon Dots through pyrolysis of N-hydroxysuccinimide, RSC-Journal of Materials Chemistry C 3, pp.789-795, doi: 10.1039/C4TC02382J, 2014.
16. **C.S. Stan***, M. Popa, D. Sutiman, P. Horlescu , Photoluminescent red green and blue monoliths of new Eu(III), Tb(III) and Y(III) complexes embedded in silica matrix, Springer-Electronic Materials Letters 10(4), pp. 827-835, doi: 10.1007/s13391-014-3240-5, 2014.
17. **C.S. Stan***, M. Popa, N. Marcotte , Photoluminescent polymer composites based on new Tb(III) and Eu(III) – Maleimide complexes, Springer- J. of Inorganic and Organometallic Polymers and Materials 24(4), pp. 676-683, DOI: 10.1007/s10904-014-0044-x, 2014.
18. **C.S. Stan***, M. Popa, M. Olariu, M. S. Secula, Synthesis and characterization of a PSSA-Polyaniline composite with enhanced processability in thin films, Springer- Central European Journal of Chemistry, Open Chem. 13, pp. 467-476, DOI: 10.1515/chem-2015-0057, 2015.
19. **C.S. Stan***, N. Marcotte, M. Popa, M. Secula, Photoluminescent silica aerogel containing a new prepared N-Hydroxysuccinimide –Tb(III) complex, Springer-J. of Sol-Gel Science and Technology, 69, pp. 207–213, doi: 10.1007/s10971-013-3205-4, 2014.
20. C. S. Stan*, M. Popa, M.S. Secula, Luminescent xerogels obtained through embedding Tb(III) and Eu(III) complexes in silica matrix, Elsevier- J. of Optical Materials 35(9), pp.1741–1747, doi: 10.1016/j.optmat.2013.05.025, 2013.
21. **C.S. Stan**, I. Rosca, D. Sutiman, M.S. Secula, Highly luminescent europium and terbium complexes based on succinimide and n-hydroxysuccinimide, Elsevier-J. of Rare Earths, 30 (5), pp.401-407, 2012.

22. **C.S. Stan**, M.S. Secula, D. Sibiescu, Highly luminescent polystyrene embedded CdSe quantum dots obtained through a modified colloidal synthesis route, Springer-Electronic Materials Lett. 8 (3), pp.275-281, 2012.
23. **C.S. Stan**, D. Sibiescu, I. Cretescu, C.Y. Rosca, D. Sutiman, M.D. Tutulea, I. Rosca, New Gd(III) complexes based on Succinimide, N- hydroxysuccinimide and N-hydroxyphtalimide with possible applications in optoelectronics and medical imaging , J. of Optoelectronics and Advanced Materials, 5 (9), pp. 994-998, 2011.
24. **C.S. Stan**, D. Sibiescu, M.S. Secula, I. Rosca, I. Cretescu, Phosphorescent Composites Based on Polyethyleneterephtalate, Materiale Plastice, 47(3), pp. 324-327, 2010.

c) FIC ≥ 30 ; realizat: FIC = 90,41 (81,41 articole + 9 brevete naționale); **FIC calculat conform Web of Science: https://wos-journal.info/**

Nr. Crt.	Autori/Titlu	Revista/ nr./an apariție	Factor Impact	Autor principal	Nr. autori
1	**C.S.Stan***, A. Coroaba, N. Simionescu, C.M. Uritu, D. Bejan, L.E. Ursu, A.I. Dascalu, F. Doroftei, M. Dobromir, C. Albu, C.O. Ania, Mn-Doped Carbon Dots as Contrast Agents for Magnetic Resonance and Fluorescence Imaging.	Int. J. of Molecular Sciences 2025, 26, 6293. https://doi.org/10.3390/ijms26136293	4,9	Da	11
2	N. ELouakassi, A.Almaggoussi, **C.S. Stan**, M. Popa, L. Belachemi, J. Ghanbaja, H. Kaddami, Efficient hydrothermal synthesis of carbon dots from argan cake and their applications.	Diamond and Related Materials 2 0925-9635, 2025, 112861. https://doi.org/10.1016/j.diamond.2025.112861	0,72 5,1/7	Nu	7
3	A. Coroaba, M. Ignat, O.E. Carp, **C.S. Stan**, S.I. Filipiuc, C.M. Uritu, N. Simionescu, N.L. Marangoci, M. Pinteala, C.O. Ania, Antioxidant activity and in vitro fluorescence imaging application of N-, O- functionalized carbon dots.	Scientific Reports 15, 25834 (2025). https://doi.org/10.1038/s41598-025-11676-6	0,39 3,9/10	Nu	10
4	C. L. Logigan, C. Peptu, **C.S. Stan**, G. Luta, C. E. Tiron, M. Pinteala, A. Foryś, B. Simionescu, C. Ibanescu, A. Tiron, et al. Carbon Dot-Enhanced Doxorbicin Liposomes: A Dual-Functional Nanoplatform for Cancer Therapy.	Int. J. Molecular Sciences 2025, 26, 7535. https://doi.org/10.3390/ijms26157535	0,44 4,9/11	Nu	11
5	**C. S. Stan**, A.Coroaba, C. O. Ania, C. Albu, M. Popa, Markedly Enhanced Photoluminescence of Carbon Dots Dispersed in Deuterium Oxide	C — Journal of Carbon Research 11(1), 10, 2025, https://doi.org/10.3390/c11010010	2.9	Da	5
6	C. E. Tincu, M. Hamcerencu, M.S. Secula, **C.S.Stan**, C. Albu, M. Popa, I. Volf, A Natural Carbon Encapsulated in Gellan-Based Hydrogel Parti-cles Designed for Environmental Challenges.	Gels 10(11), 713; 2024 https://doi.org/10.3390/gels10110713	0,75 (5,3/7)	Nu	7
7	**C.S. Stan***, N. Elouakassi, C. Albu, C.O. Ania, A. Coroaba, L.E. Ursu, M. Popa, H. Kaddami, A. Almaggoussi, Photoluminescence of Argan-Waste-Derived Carbon Nanodots Embedded in Polymer Matrices	Nanomaterials 2024, 14(1), 83, 2024 https://doi.org/10.3390/nano14010083	4,3	Da	9

8	C. E. Tincu, B. Bouhadiba, L. I. Atanase, **C. S. Stan**, M. Popa, L. Ochiuz, An Accessible Method to Improve the Stability and Reusability of Por-cine Pancreatic α-Amylase via Immobilization in Gellan-Based Hydrogel Particles Obtained by Ionic Cross-Linking with Mg2+ Ions	Molecules 28(12), 4695, 2023 https://doi.org/10.3390/molecules28124695	0,76 (4,6/6)	Nu	6
9	J. Plé, **C. S. Stan**, D. Zanghi, C. Genevois, S. Hajjar-Garreau, L. Balan, Photoinduced polymer-confined CQDs for efficient photoluminescent 2D/3D printing applications	RSC-Materials Advances 4, 5140-5148, 2023 DOI: 10.1039/D3MA00293D	0,78 (4,7/6)	Nu	6
10	Stan, I. Volf* , **C S. Stan***, C. Albu, A. Coroaba, L. E. Ursu, M. Popa, Intense Blue Photo Emissive Carbon Dots Prepared through Pyrolytic Processing of Ligno-Cellulosic Wastes	Nanomaterials 2023, 13(1), 131, 2023 https://doi.org/10.3390/nano13010131	4,3	Da	7
11	L. Stan, T. Malutan, I. Volf, M Popa, C. E. Tincu, **C. S. Stan***, Photoluminescent Polymer Aerogels with R, G and B Emission	Int. J. of Molecular Sciences, 23(24), 2022 16004; https://doi.org/10.3390/ijms232416004	4,9	Da	6
12	**C.S. Stan***, A. Coroabă, L. Ursu, M.S. Secula, B.C. Simionescu, Fe(III) doped carbon nanodots with intense green photo luminescence and dispersion medium dependent emission.	Scientific Reports 9(1), pp.1-10, 2019, art no. 18893, doi:10.1038/s41598-019-55264-x	3,9	Da	5
13	**C. S. Stan***, A. Coroaba, M. Popa, L. E. Ursu, Highly photoemissive polymer-transition metal complexes based on Poly(2-hydroxy ethyl methacrylate).	Polymer International 69(11), pp. 1081-88, 2020. https://doi.org/10.1002/pi.5926.	3,6	Da	4
14	**C. S Stan***, P. Horlescu, L. E. Ursu, M. Popa, C. Albu, Facile preparation of highly luminescent composites by polymer embedding of carbon dots derived from N hydroxyphthalimide.	Springer- Journal of Material Science 52(1), pp. 185-196, 2017. doi 10.1007/s10853-016-0320-y	3,9	Da	5
15	**C. S. Stan***, P. Horlescu, M. Popa, A. Coroaba, L. E. Ursu, Photoluminescent polymer composites with R, G, B emission and their potential applications in LCD displays.	RSC- New Journal of Chemistry 40, pp.6505 – 6512, 2016	2,5	Da	5
16	**C. S. Stan***, C. Peptu, M. Popa, D. Sutiman, P. Horlescu , Photoluminescent properties of novel Y^{3+}, Sm^{3+}, Eu^{3+}, Gd^{3+} and Tb^{3+} complexes with 2-(1H-1,2,4-Triazol-3-yl)pyridine and their remarkable photoluminescent properties.	Inorganica Chimica Acta 429, pp. 160-167, 2015. doi: 10.1016/j.ica.2015.01.041	3,2	Da	5
17	**C. S. Stan***, A. Coroaba, M. Popa, C. Albu, D. Sutiman, One step synthesis of fluorescent Carbon Dots through pyrolysis of N-hydroxysuccinimide.	RSC-Journal of Materials Chemistry C (MATERIALS SCIENCE, MULTIDISCIPLINARY, 2020) 3, pp.789-795, doi: 10.1039/C4TC02382J, 2015.	5,1	Da	5
18	**C. S. Stan***, M. Popa, D. Sutiman, P. Horlescu , Photoluminescent red green and blue monoliths of new Eu(III), Tb(III) and Y(III) complexes embedded in silica matrix.	Electronic Materials Letters 10(4), pp. 827-835, 2014. doi: 10.1007/s13391-014-3240-5, 2014.	2,6	Da	4

19	**C. S. Stan***, M. Popa, N. Marcotte , Photoluminescent polymer composites based on new Tb(III) and Eu(III) – Maleimide complexes.	Springer- Journal of Inorganic and Organometallic Polymers and Materials 24(4), pp. 676-683, 2014. doi: 10.1007/s10904-014-0044-x, 2014.	4,9	Da	3
20	**C. S. Stan***, N. Marcotte, M.S. Secula, M. Popa, Luminescent xerogels obtained through embedding Tb(III) and Eu(III) complexes in silica matrix	Optical Materials, 35(9), 1741–1747, 2013. doi: 10.1016/j.optmat.2013.05.025, 2013	4,2	Da	4
21	**C.S. Stan***, M. Popa, M. Olariu, M.S. Secula, Synthesis and characterization of PSSA-Polyaniline composite with enhanced processability in thin films	Open Chemistry, 2015; 13: 467–470, doi: 10.1515/chem-2015-0057	1,9	Da	4
22	**C.S. Stan***, N. Marcotte, M.S. Secula, M. Popa, A New Photoluminescent Silica Aerogel Based on N-Hydroxysuccinimide –Tb(III) Complex	Journal of Sol-Gel Science and Technology, 69(1), pp.207-213, 2014. doi: 10.1007/s10971-013-3205-4	3,2	Da	4
23	**C.S. Stan**, M.S. Secula, D. Sibiescu, Highly luminescent polystyrene embedded CdSe quantum dots obtained through a modified colloidal synthesis route.	Electronic Material Letters, 8 (2), pp.325-329, 2012. doi: 10.1007/s13391-012-1108-0	2,6	Da	3
24	**C.S. Stan**, I. Rosca, D. Sutiman, M.S. Secula, Highly luminescent europium and terbium complexes based on succinimide and n-hydroxysuccinimide	Journal of Rare Earths, 30 (5), pp.401-407, 2012. doi: 10.1016/S1002-0721(12)60061-1	7,2	Da	4
25	**C.S. Stan**, D. Sibiescu, M.S. Secula, I. Rosca, I. Cretescu, Phosphorescent Composites Based on Poly- ethyleneterephtalate	Materiale Plastice, 47(3), pp.324-327, 2010	-	Da	5
26	**C. S. Stan**, D. Sibiescu, I. Cretescu, C.Y. Rosca, D. Sutiman, M.D. Tutulea, I. Rosca, New Gd(III) complexes based on Succinimide, N- hydroxysuccinimide and N- hydroxyphtalimide with possible applications in optoelectronics and medical imaging.	Optoelectronics and Advanced Materials-Rapid Communications, 5(9), pp. 994-998, 2011.	0,4	Da	7
27	**C. S. Stan**, G. Soreanu, M. Popa, P Horlescu, T. Lupascu, I. Cretescu, A new approach to obtain aerogels for gas safety applications.	Environmental engineering and management journal 18(8), pp. 1815-1820, 2019.	-	Da	6
28	C. Y. Rosca, P. Horlescu, **C. S. Stan***, D. Sutiman, Photoemissive polymer composite based on new Y(III), Gd(III) and Tb(III) complexes with N-hydroxyphtalimide.	Turkish Journal of Chemistry 41(5), pp.648-657, 2017. doi: 10.3906/kim-1609-69	1,4	Da	4
29	C. Albu**, C. S. Stan***, P. Horlescu, Fluorescent Carbon Dots Prepared Through Thermal Processing of Succinimide	Digest Journal of Nanomaterials and Biostructures 11(1), pp.133-139, 2016.	1,3	Da	3
30	P.Horlescu, **C. S. Stan***, D. Sutiman, C. Mita, C. Peptu, M. E. Fortuna, C. Albu, New Complexes of 2-(1H-1, 2, 4-Triazol-3-YL) Pyridine with Co(II), Cd(II), Rh(III) Ions: Synthesis, Structure, Properties and Potential Applications.	Environmental engineering and management journal, 14(2), pp.383-391, 2015.	-	Da	7

31	Adrian Tiron, **C. S. Stan**, G. Luta, C. M. Uritu, I. C. Vacarean-Trandafir, G. D. Stanciu , A. Coroaba, Crina E. Tiron, Manganese-Doped N-Hydroxyphthalimide-Derived Carbon Dots—Theranostics Applications in Experimental Breast Cancer Models	Pharmaceutics 13, pp.1982, 2021. doi.org/10.3390/pharmaceutics13111982	0,68 (5,5/8)	Nu	8
32	C. E. Tiron, G. Luta, M. Butura, F. Zugun-Eloae, **C. S. Stan**, A. Coroaba, E.L. Ursu, G. D. Stanciu, A. Tiron, NHF-derived carbon dots:prevalidation approach in breast cancer treatment.	Scientific Reports 10, 12662, 2020. doi.10.1038/s41598-020-69670-z	0,43 (3,9/9)	Nu	9
33	A. Borhan, D. Herea, D.Gherca, C. Stavila, A. E. Minuti, M. Grigoras, C. Danceanu, L.Labusca, G. Stoian, G. Ababei, **C. S. Stan**, N. Lupu, H. Chiriac, Flash-cooling assisted sol-gel self-ignited synthesis of magnetic carbon dots-based heterostructure with antitumor properties.	Materials Science and Engineering: C (transformat in Biomaterials Advances), 117, 111288, 2020. doi.10.1016/j.msec.2020.111288	0,46 (6/13)	Nu	13
34	C. L. Savin, C. Tiron, E. Carasevici, **C. S. Stan**, S. A. Ibanescu, B. Simionescu, C. Peptu, Entrapment of N-Hydroxyphthalimide Carbon Dots in Different Topical Gel Formulations: New Composites with Anticancer Activity.	Pharmaceutics 11(7), pp.303, 2019. doi: 10.3390/pharmaceutics11070303	0,78 (5,5/7)	Nu	7
35	M.S. Secula, L. Zaleschi, **C. S. Stan**, I. Mămăligă, Effects of electric current type and electrode configuration on the removal of Indigo Carmine from aqueous solutions by electrocoagulation in a batch reactor	Desalination and Water Treatment, 52(31-33), pp.6135-6144, 2014. doi: 10.1080/19443994.2013.811116	0,25 (1/4)	Nu	4
36	M.S. Secula, **C.S. Stan**, C. Cojocaru, B. Cagnon, I. Cretescu, Multi-Objective Optimization of Indigo Carmine Removal by an Electrocoagulation/GAC Coupling Process in a Batch Reactor	Separation Science and Technology, 49 (6), pp.924-938, 2014. doi:10.1080/01496395.2013.871292	0,46 (2,3/5)	Nu	5
37	M. S. Secula, I. Cretescu, B. Cagnon, L. R. Manea, **C. S. Stan**, I. G. Breaban, Fractional Factorial Design Study on the Performance of GAC-Enhanced Electrocoagulation Process Involved in Color Removal from Dye Solutions.	Materials, 6(7), pp.2723-2746, 2013. https://doi.org/10.3390/ma6072723	0,53 (3,2/6)	Nu	6
38	L. Zaleschi., M. S. Secula, C. Teodosiu, **C. S. Stan**, I. Cretescu, Removal of Rhodamine 6G from Aqueous Effluents by Electrocoagulation in a Batch Reactor: Assessment of Operational Parameters and Process Mechanism.	Water, Air, & Soil Pollution ISSN 1573-2932 225(9), pp. 827-835, 2014. doi: 10.1007/s11270-014-2101-z	0,6 (3/5)	Nu	5
39	Popa, M., Ciobanu, B.C., Ochiuz, L., Desbrieres, J., **Stan, C.S.**, Peptu, C.A., Controlling the release kinetics of calcein loaded liposomes from chitosan/tannic acid and chitosan/poly(vinyl alcohol)/tannic acid hydrogels	Cellulose Chemistry and Technology, 52, (5-6), pp. 353-370, 2018.	0,18 (1,1/6)	Nu	6
40	E. S. Bacaita, **C. S. Stan**, M. Agop, G. Cioca, Spectral Properties of HEMA/poly(HEMA) as Ligand in Luminescent Europium Based Complexes Through Computational Investigation.	REV.CHIM.69(9), 2018.	-	Nu	4
41	M. S. Secula, E. David, B. Cagnon, A. Vajda, **C. S. Stan**, I. Mamaliga, Kinetics and equilibrium studies of 4-chlorophenol adsorption onto magnetic activated carbon composites.	Environmental engineering and management journal 17(4), pp.783-793, 2018. doi: 10.30638/eemj.2018.079	-	Nu	6

42	M. D. Tutulea, I. Cretescu, D. Sibiescu, **C. S. Stan**, Electrochemical Sensors for Heavy Metal Ions Detection from Aqueous Solutions.	Environmental Engineering and Management J. (11) 2, pp. 463-470, 2012.	-	Nu	4
TOTAL			**81,41**	**24**	**-**

Reviste Q1; Reviste Q2; ☒ -autor principal

Brevetele naționale (FI = 1) *(intra in calculul FIC de la punctul c)*
Brevete naționale acordate: (*FIC = 9*)

1.C.S. Stan, D. Sibiescu, L. Chirila, I. Rosca, R. Butnaru, M. Vizitiu, Compus de coordinație al FeIII și procedeu de obținere, RO126207 B1/2016
https://ro.espacenet.com/publicationDetails/biblio?II=0&ND=3&adjacent=true&locale=ro_RO&FT=D&date=20110429&CC=RO&NR=126207A2&KC=A2

2.C.S. Stan, D. Sibiescu, I. Rosca, I. Cretescu, D. M. Tutulea, Carja G., Compozit fosforescent și procedeu de obținere a acestuia, RO126406 B1/2012
https://ro.espacenet.com/publicationDetails/biblio?II=0&ND=3&adjacent=true&locale=ro_RO&FT=D&date=20110630&CC=RO&NR=126406A2&KC=A2

3.C.S. Stan, I. Cretescu, D. Sibiescu, M. S. Secula, Procedeu de obtinere a unui compozit fluorescent pe baza de polietilentereftalat si nanocristale de seleniura de cadmiu, RO128622 B1/2016
https://ro.espacenet.com/publicationDetails/biblio?II=0&ND=3&adjacent=true&locale=ro_RO&FT=D&date=20130730&CC=RO&NR=128622A2&KC=A2

4.C.S. Stan, D. Sibiescu, I. Rosca, I. Cretescu, Procedeu de sinteză a nanocristalelor fluorescente de seleniură de cadmiu, RO127186 B1/2016
https://ro.espacenet.com/publicationDetails/biblio?II=0&ND=3&adjacent=true&locale=ro_RO&FT=D&date=20120330&CC=RO&NR=127186A2&KC=A2

5.C.S. Stan, M. Popa, P. Horlescu, Compozit fotoluminescent pe bază de polimeri hidrosolubili și complecși ai gadoliniului, RO131560 B1/2020
https://ro.espacenet.com/publicationDetails/biblio?II=0&ND=3&adjacent=true&locale=ro_RO&FT=D&date=20161230&CC=RO&NR=131560A2&KC=A2

6.C.S. Stan, M.S. Secula, Nanostructuri De Tip "Carbon Dots" Dopate cu Mangan Utilizabile in Tratamente Antitumorale si Imagistică Medicală , RO134818 (B1) — 2021 https://ro.espacenet.com/publicationDetails/biblio?II=0&ND=3&adjacent=true&locale=ro_RO&FT=D&date=20210330&CC=RO&NR=134818A0&KC=A0

7.C.S. Stan, P. Horlescu, M. Agop, C.A. Peptu, E.S. Băcăiţă, Aerogel Polimeric Fotoluminescent Cu Conţinut De Nanostructuri De Carbon, Utilizabil În Surse De Lumină, RO133780 B1/2023
https://ro.espacenet.com/publicationDetails/biblio?II=0&ND=3&adjacent=true&locale=ro_RO&FT=D&date=20191230&CC=RO&NR=133780A2&KC=A2

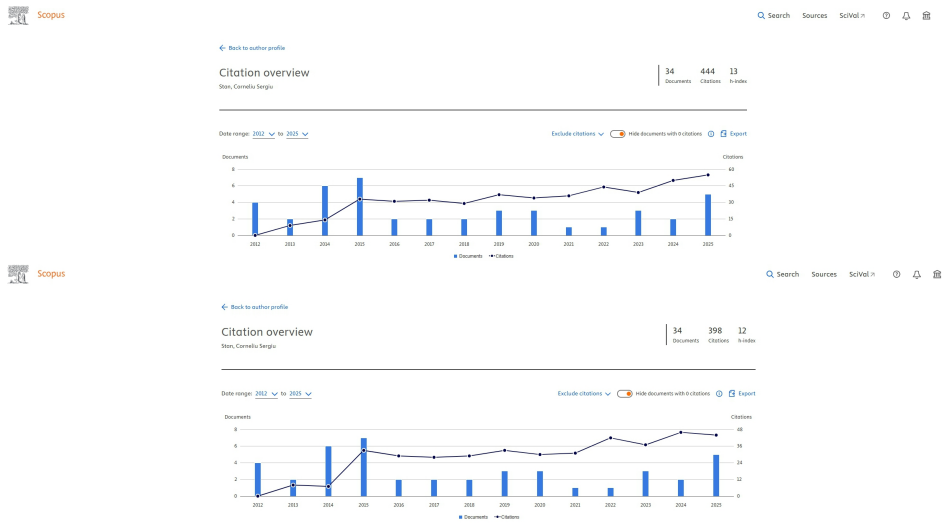
8.C.S. Stan, M. S. Secula, Procedeu de preparare criogeluri polimerice pe bază de 2-Hidroxietil metacrilat și oxid de grafen, RO132703 B1/2021
https://ro.espacenet.com/publicationDetails/biblio?II=0&ND=3&adjacent=true&locale=ro_RO&FT=D&date=20180730&CC=RO&NR=132703A2&KC=A2

9.B.I. Tamba, V.R. Ancuceanu, V. Harabagiu, C. Peptu, R. Rotaru, C.A. Peptu, **C.S. Stan**, M.M. Leon-Constantin, T. Alexa-Stratulat, Complex al Lidocainei in Derivat Esterificat de Beta-Ciclodextrină cu Utilizare in Terapia Transdermală a Durerii, RO132702 B1/2024
https://ro.espacenet.com/publicationDetails/biblio?II=0&ND=3&adjacent=true&locale=ro_RO&FT=D&date=20180730&CC=RO&NR=132702A0&KC=A0

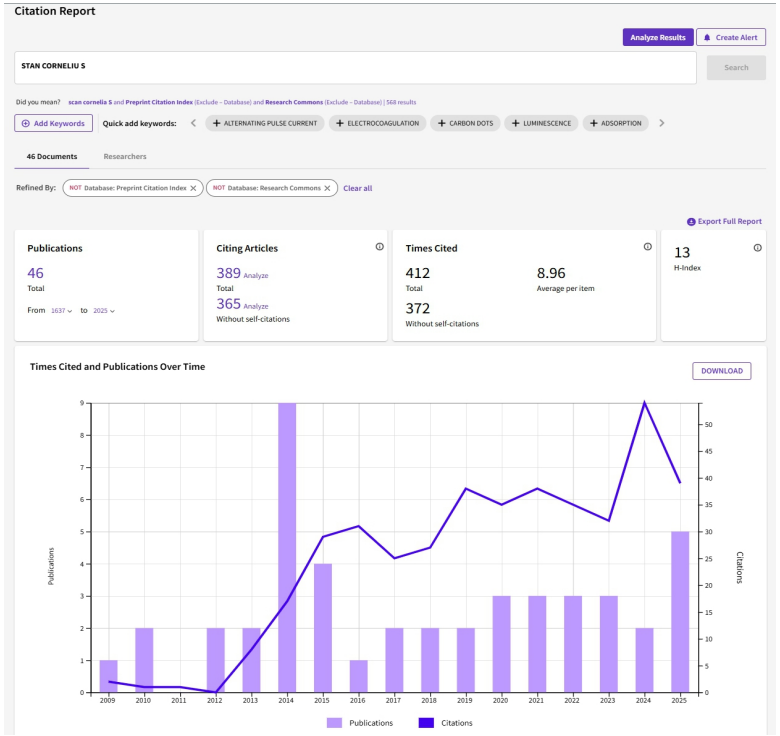
d) NC > 120; realizat: NC = 372 WoS, 398 Scopus

Numărul total de citări si indice Hirsch:
Web of Science: **412/372** citari/fără autocitări; indice Hirsch 13
Scopus: **444/398** citari/fără autocitări; indice Hirsch 13/12
Google Academic: 550 total; indice Hirsch 14

Scopus



Web of Science



e) NCO ≥ 1 (în calitate de Director proiect/Responsabil proiect)***; realizat: NCO = 1***

Director/Responsabil proiect:

1. 2021-2022 Le Studium Institute for Advanced Studies Franța 'Carbon nanomaterials as solar UV protectors targeting applications ranging from paints/varnishes to pharma/cosmetic products' Finanțare 93120 euro ; https://www.lestudium-ias.com/content/studium-research-fellowship ; https://www.lestudium-ias.com/fellows, Coordonator Proiect ; obtinut prin competitie/grant cercetare.
2. 2022-2024 PNIII-3-3.2 Orizont 2020 ERANET 293/2022 - NANOSOLARCELL 'Integration of photonic conversion layers based on photoemissive nanostructured materials for improving sunlight harvesting ability of solar cells' UEFISCDI – Proiect de **tip CONSORTIU** International, **Director Proiect**, Finanțare 175000 Euro (866250 RON + 35000 C.E.) http://www.cercetare.icpm.tuiasi.ro/proiecte/ERANET/

Nr. înregistrare Contractor 29196/29.12.2021 Nr. înregistrare UEFISCDI PN3-P3-1181/31.12.2021

CONTRACT DE FINANȚARE
PENTRU EXECUȚIE PROIECTE

NR. 293/2022

Finanțare:	bugetul de stat
Denumirea Programului din PN III:	Programul 3 - Cooperarea Europeană și Internațională
Denumirea Subprogramului:	Subprogramul 3.2 - Orizont 2020
Tip proiect:	COFUND
Titlul proiectului:	Straturi de conversie fotonică pe bază de materiale nanostructurate fotoemisive pentru creșterea randamentului de conversie a celulelor solare fotovoltaice
Valoarea totală a Contractului:	866.250,00 lei reprezentând 175.000,00 euro[2]
Din care, pe surse:	
Sursa 1 - de la bugetul de stat:	693.000,00 lei reprezentând 140.000,00 euro[3]
Sursa 2 - din alte surse atrase: (cofinanțare)[1]	0,00 lei reprezentând 0,00 euro[4]
Sursa 3 - de la Comisia Europeană:	173.250,00 lei reprezentând 35.000,00 euro[5]
Durata contractului:	32 luni
Nr. de pagini ale contractului:	_____ pagini
Autoritatea Contractantă:	Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării
Contractor:	UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" IAȘI

Semnături:

De acord pentru Contractor	**De acord pentru Autoritatea Contractantă**
La Iasi	**La** București
Data _____	**Data** _____
UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI"	**Unitatea Executivă pentru Finanțarea**
L	**11**