UNIVERSITATEA TEHNICĂ
„GHEORGHE ASACHI" DIN IAŞI
REGISTRATURA
-20-
Nr. 43536 / 22.10. 2026

Anexa nr. 1

Domnule Decan,

Subsemnata **Popescu Vasilica**, cadru didactic al Universităţii Tehnice „Gheorghe Asachi" din Iaşi cu funcţia actuală de profesor, în cadrul Departamentului de Inginerie Chimica in Textile si Pielarie, solicit, prin prezenta, înscrierea la concursul pentru acordarea gradaţiei de merit pentru perioada 2026 - 2031, conform Procedurii privind acordarea gradaţiilor de merit pentru personalul didactic titular din cadrul Universităţii Tehnice „Georghe Asahi" din Iasi, PO.DID.11

Data,

17.10.2026

Semnătura,

prof. univ. dr. ing. habil. Vasilica Popescu

Anexa nr. 2

RAPORT DE AUTOEVALUARE A ACTIVITATII PENTRU PERIOADA 1.10.2021 - 30.09.2026

Numele si prenumele: Popescu Vasilica
Functia didactica: Profesor
Facultatea de Design Industrial si Managementul Afacerilor
Departamentul: Inginerie Chimica in Textile si Pielarie

Criteriul 1. Activitatea didactică

Activitatea didactică desfășurată în perioada evaluată s-a concretizat în publicarea unor cărți la o editură recunoscută CNCSIS, elaborarea unui îndrumar electronic disponibil pe platforma MOODLE (edu.tuiasi.ro), precum și realizarea, în calitate de autor unic, a suporturilor de curs și de laborator pentru toate disciplinele predate în cei cinci ani. Aceste realizări reflectă preocuparea constantă pentru dezvoltarea și îmbunătățirea resurselor educaționale.
Punctaj obținut: 215,32 puncte

Criteriul 2. Activitatea de cercetare științifică

Activitatea de cercetare științifică s-a concretizat în publicarea a 9 articole ISI în reviste încadrate în quartilele Q1 și Q2, în calitate de autor principal sau de corespondență, a 5 articole BDI și a 3 lucrări prezentate la conferința internațională „Technical Textiles – Present and Future", publicate în volumul conferinței. De asemenea, am contribuit la elaborarea rapoartelor de cercetare în cadrul proiectului Smart tex-IS.
Impactul și vizibilitatea cercetării sunt evidențiate de cele 300 de citări înregistrate în Scopus pentru articolele publicate în ultimii 10 ani, cu excluderea autocitărilor și a citărilor provenite de la coautori.
Punctaj obținut: 1910,25 puncte

Criteriul 3. Recunoașterea națională și internațională

Recunoașterea profesională este reflectată de participarea la evaluarea rapoartelor anuale de cercetare ale unor doctoranzi din domeniul Inginerie Chimică, inclusiv a doctorandei Andreea Țăranu, coordonată de prof. dr. ing. Mirela Blaga. La nivel internațional, am desfășurat activități de recenzare a articolelor ISI și a lucrărilor științifice înscrise la conferința CORTEP 2026.
Punctaj obținut: 86 puncte

Criteriul 4. Activitatea cu studenții

Activitatea cu studenții a inclus coordonarea lucrărilor de diplomă și disertație, precum și îndrumarea activităților desfășurate în cadrul cercului științific studențesc. De asemenea, sunt tutore pentru anul al II-lea al programului de masterat „Ecodesign în Finisarea Textilelor" și particip la îndrumarea a 6 doctoranzi din domeniul Inginerie Chimică.
Punctaj obținut: 122 puncte

Criteriul 5. Activitatea în comunitatea academică

Implicarea în comunitatea academică s-a concretizat prin participarea în comisii la nivel de departament și facultate, precum și prin contribuția la elaborarea documentației de evaluare a programelor de masterat din domeniul Inginerie Chimică din cadrul TUIASI. În calitate de coordonator al programului de licență „Tehnologie Chimică Textilă", am elaborat raportul de autoevaluare REI și documentația pentru evaluarea periodică în vederea acreditării, asigurând totodată soluționarea tuturor solicitărilor suplimentare formulate de comisia ARACIS.
Punctaj obținut: 93 puncte

PUNCTAJ TOTAL: 2426,57 puncte

Semnatura
Vasilica Popescu

Data 21.10.2026



UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI” DIN IAŞI

FACULTATEA DE DESIGN INDUSTRIAL ŞI MANAGEMENTUL AFACERILOR
DEPARTAMENTUL Inginerie chimică în textile și pielărie

FIȘA DE AUTOEVALUARE
Și DE EVALUARE DE CĂTRE DIRECTORUL DE DEPARTAMENT

(pentru activitatea în departamentul de încadrare conform contractului de muncă)
perioada 1 octombrie 2021- 30 septembrie 2026

Numele şi prenumele cadrului didactic evaluat	**Popescu Vasilica**
Funcţia didactică	**Profesor**

Criteriul de evaluare	Indicatori de performanţă (cu explicitarea modului de calcul a punctajului pentru fiecare realizare, conf. Anexa 1)	Punctaj
1. Activitate didactică (minimum: • 30 puncte prof.; • 15 puncte conf.; • 10 puncte ș.l.; • 5 puncte as.)	**1.1.** Predare discipline/ cursuri noi în planul de învăţământ, pe direcţii neelaborate anterior (se punctează nr. de discipline noi) **Realizări:**	
	1.2. Elaborare manuale universitare (inclusiv în sistem e-learning) **Realizări:** 1.2.1. **Vasilica Popescu, Finisarea produselor textile,** Editura Tehnopress, Iaşi, 2022, ISBN 978-606-687-496-0 (editură acreditată CNCS, cod 89), 131 pagini cu 30 rânduri /pag. 1.2.2. **Vasilica Popescu, Finisarea produselor textile, Îndrumar de laborator,** Editura Tehnopress, Iaşi, 2022, ISBN 978-606-687-497-7 (editură acreditată CNCS, cod 89), 66 pagini cu 35 rânduri pe pagină 1.2.3. **Vasilica Popescu**, **REȚETAR pentru disciplinele: Tehnologia Pregătirii și Finisării Textilelor, Tehnologia Vopsirii și Imprimării Materialelor Textile, Finisarea Produselor Textile**, 66 pagini, format academic cu 40 rânduri pe pagină, disponibil pe platforma e-learning Moodle la: https://edu.tuiasi.ro/mod/folder/view.php?id=25775pentru studenții de la specializareaTCT https://edu.tuiasi.ro/mod/folder/view.php?id=25932 pentru studenții de la specializarea IEI https://edu.tuiasi.ro/mod/folder/view.php?id=25771 pentru studenții de la specializarea IMA	30 x (131 / 100) / 1=39.3 7x(66x35/30)/ 100)=5.39 3.5x(66x40/30)/ 100)= =3.08
	1.3.Elaborare suporturi de **cursuri,** seminarii, **laboratoare**, proiecte_ **ca unic autor** **Realizări:** Suporturi **de studiu**/ autoinstruire pe Web pentru cursuri și laborator, integral pentru disciplina Tehnologia Pregătirii și Finisării Textilelor (2198 pagini, format academic cu 30 rânduri pe pagină): https://edu.tuiasi.ro/mod/folder/view.php?id=25545 ***sau defalcat:*** 1.3.1. suporturi de studiu pentru cursurile de la disciplina Tehnologia Pregătirii și Finisării Textilelor, 1945 pagini_https://edu.tuiasi.ro/mod/folder/view.php?id=26013 1.3.2. suporturi de studiu pentru laboratoarele de la disciplina Tehnologia Pregătirii și Finisării Textilelor, 253 pagini _https://edu.tuiasi.ro/mod/folder/view.php?id=25953 ..... *Total=2198 pagini* **Suporturi de cursuri, laboratoare pe platforma educationala edu.tuiasi.ro + suporturi tiparite** ***Chimie 1_cursuri_647 pagini*** ***https://edu.tuiasi.ro/course/section.php?id=23730*** ***Finisarea Produselor Textile_ cursuri la TTC_ 402 pag*** ***https://edu.tuiasi.ro/course/section.php?id=17896***	3 x (2198/ 100)/1= 65.94

	Finisarea Produselor Textile _cursuri la IEI _240 pag ***https://edu.tuiasi.ro/mod/folder/view.php?id=25548*** ***Ecodesign in finisarea textilelor I_ EFT I_cursuri _399 pagini*** ***_https://edu.tuiasi.ro/mod/folder/view.php?id=41963*** ***Ecodesign in finisarea textilelor II_ cursuri_ 411 pagini*** ***https://edu.tuiasi.ro/mod/folder/view.php?id=25941*** ***Ecodesign in finisarea textilelor laborator_ 22 pag*** ***https://edu.tuiasi.ro/mod/folder/view.php?id=41962*** ***Elemente de coloristica si design _cursuri _312 pagini*** ***https://edu.tuiasi.ro/mod/folder/view.php?id=41897*** ***Elemente de coloristica si design _ laboratoare _73 pagini*** ***_https://edu.tuiasi.ro/mod/folder/view.php?id=41898*** ***Tehnologia vopsirii si imprimarii textilelor _cursuri +lab_230 pag*** ***_https://edu.tuiasi.ro/course/view.php?id=4187*** ***ppt pentru disciplina Materii prime (cursuri +laboratoare)- 520 +20 = 540 pagini*** ***https://edu.tuiasi.ro/course/view.php?id=4314&notifyeditingon=1*** ***Laboratoare pt Finisarea produselor textile – 111 pagini*** ***https://edu.tuiasi.ro/course/view.php?id=4434*** ..... *Total= 3387 pagini*	3x(3387/100)/1=101.61
	1.3. Elaborare manuale şi alte materiale pentru învăţământul preuniversitar **Realizări:** 1.3.1. ..... 1.3.2.	
Total punctaj Criteriu 1		**215.32**
2. Cercetarea ştiinţifică (minimum: • 150 puncte prof.; • 100 puncte conf.; • 60 puncte ș.l.; • 30 puncte asist.)	**2.1.** Elaborare cărţi/ monografii/ tratate **Realizări:** **2.1.1.** Vasilica Popescu**,** New trends in the application of natural dyes in textile dyeing, in book Renewable dye and Pigments, ed. Shahid Ul Islam, (111-135), 2023, Elsevier Inc., **1st Edition - September 19, 2023 (in Engleza)** **carte: ISBN: 9780443152139, ISBN: 9780443152139** **https://www.sciencedirect.com/science/chapter/edited-volume/abs/pii/B9780443152139000041**	50 x (24x1.2/ 100) / 1=12
	2.2. Articole publicate în reviste de specialitate **Realizări:** **2.2.A.** articole ISI 2.2.1. Romeo Pruneanu, Melinda Pruneanu, Stelian-Sergiu Maier, **Vasilica Popescu,** Vasilica Maier, Viorica Vasilache, Daniel Timpu, Diana-Elena Ciolacu, *Structure-Property Relationships in Periodate Oxidized Cotton fabrics: Role of Textile Pretreatments*, **Textiles,** 6 (2), 45, **2026**, https://doi.org/10.3390/textiles6020045 FI= 4.8, **Q1** 2.2.2. Valentina-Gabi Stănescu, **Vasilica Popescu***, Cristina Mihaela Rimbu, Gabriel Popescu* , Viorica Vasilache, Andrei Popescu, Mădălina Maria Popescu-Brezuleanu and Marius Pislaru, *Rational Design of Sustainable Multifunctional Textile Care Formulations Using Virgin and Waste Vegetable Oils*, **Textiles** 6, 94 (**2026**), FI= 4.8, **Q1**, https://doi.org/10.3390/textiles6030094 Accession Number: **WOS**:001889872000001 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001889872000001 2.2.3. **Vasilica Popescu**, Marina Marin, Gabriel Popescu, Viorica Vasilache and Andrei Popescu *Green Chemistry in Hemp Dyeing,* **Fibers**, 14(6), art. no. 70 **(2026),** FI= 4.2, **Q2** https://doi.org/10.3390/fib14060070 Accession Number: **WOS**: 001803435700001 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001803435700001 2.2.4. **Vasilica Popescu,** Ana-Diana Alexandrescu, Gabriel Popescu, Viorica Vasilache *Eco-Friendly Extraction of Curcumin from Turmeric and Dyeability of Textile Fibers* **Fibers** *13(6),art. no. 73* **(2025),** FI= 4.2, **Q2**. *https://doi.org/10.3390/fib13060073* Accession Number: **WOS**:001515473100001	**Q1 (50+40xFi)/n_a** **Q2 (40+40xFi)/n_a** (50+40x4.8)/8=30.25 (50+40x4.8)/8=30.25 (40+40x4.2)/5=41.6 (40+40x4.2)/4=52

	https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001515473100001	
	2.2.5. Valentina-Gabi Stănescu, **Vasilica Popescu*,** Viorica Vasilache, Gabriel Popescu*, Cristina Mihaela Rimbu and Andrei Popescu, *Cleaner Processes for Making Laundry Soap from Vegetable Oils and an Essential Oil,* **Applied Sciences (Appl. Sci.), 15,** 3821, (2025) p. 1-30, FI=2,9, **Q2** https://doi.org/10.3390/app15073821; Accession Number: **WOS:**001464849200001 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001464849200001	(40+40x2.9)/6=26
	2.2.6. **Vasilica Popescu**, Alexandra Cristina Blaga, Dan Cașcaval, Andrei Popescu *Beta vulgaris L. - A Source with a Great Potential in the Extraction of Natural Dyes Intended for the Sustainable Dyeing of Wool,* **PLANTS,** 12, 1933 **(2023),** FI=4,7, **Q1** https://doi.org/10.3390/plants12101933 Accession Number: **WOS**:000998274600001 https://161095x28-y-https-www-scopus-com.z.e-nformation.ro/record/display.uri?eid=2-s2.0-85160672081&origin=resultslist&sort=plf-f	(50+40x4.7)/4=59.5
	2.2.7. Diana Serbezeanu, Tachita Vlad-Bubulac, Mihaela Dorina Onofrei, Florica Doroftei, Corneliu Hamciuc, Alina-Mirela Ipate, Alexandru Anisiei, Gabriela Lisa, Ion Anghel, Ioana-Emilia Sofran, **Vasilica Popescu,** *Phosphorylated Poly(vinyl alcohol) Electrospun Mats for Protective Equipment Applications,* **Nanomaterials**, 12, no. 15, (2022), *article no. 2685,* FI =4,8, **Q2** Accession Number: **WOS**:000839843600001 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000839843600001	(40+40x4.8)/11=21.09
	2.2.8. **Vasilica Popescu**, Ingrid Ioana Buciscanu, Melinda Pruneanu, Stelian Sergiu Maier, Angela Danila,Vasilica Maier, Marius Pîslaru, Vlad Rotaru, Irina Niculina Cristian, Andrei Popescu, Bogdan Istrate, Alexandra Cristina Blaga, Florin Ciolacu, Igor Cretescu, Petronela Chelariu , Marina Marin. *Sustainable functionalization of PAN to improve tinctorial capacity,* **POLYMERS** 13 (21) (2021), FI =5.8, **Q1** Accession Number: **WOS: 000719009600001** https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000719009600001	(50+40x5.8)/16=17.62
	2.2.9. **Vasilica Popescu**, Alexandra Cristina Blaga, Melinda Pruneanu, Irina Niculina Cristian, Marius Pîslaru, Andrei Popescu, Vlad Rotaru, Igor Crețescu and Dan Cașcaval *Green chemistry in the extraction of natural dyes from colored food waste, for dyeing protein textile materials,* **POLYMERS** 13 (22) (2021), FI =5.8, **Q1** Accession Number: **WOS:** 000724797300001 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000724797300001	(50+40x5.8)/9=31.33
	2.2.B. Articole BDI. 1. Andreea Timofte, Vasilica Popescu, *A Literature Review on Three-Dimensional Foam/Puff Printing of Flax and Hemp Textiles with Natural Pigments and CHT Printing Systems,* BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iaşi Volumul 72 (76), Numărul 3, **2026** Secţia CHIMIE şi INGINERIE CHIMICĂ, pag 10-29, DOI: 10.5281/zenodo.23059704 2. Iuliana Petcu, Vasilica Popescu, *Valorization of Residual Algal Biomass for Natural Colorant Recovery and Textile Applications,* BULETINUL INSTITUTULUI POLITEHNIC DIN IAŞI Publicat de Universitatea Tehnică „Gheorghe Asachi" din Iaşi Volumul 72 (76), Numărul 3, **2026** Secţia CHIMIE şi INGINERIE CHIMICĂ, pag. 88-105, DOI: 10.5281/zenodo.23060935 3. Nicoleta Tofănescu (Mihai), **Vasilica Popescu,** *Valorization of Prunus Spinosa extract as sustainable coloring agents in textile finishing: A green chemistry approach.* Buletinul Institutului Politehnic din Iași, Publicat de	30/2=15 30/2=15 30/2=15

	Universitatea Tehnică „Gheorghe Asachi” din Iași, Volumul 71 (75), Numărul 4, 9-25, **2025,** Secţia Chimie și Inginerie Chimică, pag. 9-25, DOI: 10.5281/zenodo.19660106 4. Romeo Pruneanu, **Vasilica Popescu,** Melinda Pruneanu**,** *Review - Chemical functionalization of cotton fabrics by selective oxidation,* Buletinul Institutului Politehnic din Iaşi, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iaşi, Secţia Chimie și Inginerie Chimică, Volumul 71 (75) Numărul 3, **2025,** 85-121. DOI: 10.5281/ZENODO. 17357520. 5. Valentina Gabi Miron*, Niki Vlad Mancaşi, **Vasilica Popescu***, Andrei Popescu, *Physico-Chemical Characteristics of Some Ecological Products Used for Textile Care,* Buletinul Institutului Politehnic din Iaşi, Publicat de Universitatea Tehnică „Gheorghe Asachi” din Iaşi, Volumul 71 (75), Numărul 1, **2025**, Secţia Chimie și Inginerie Chimică, pag. 101-112, DOI: 10.5281/zenodo.15063019	30/3=10 30/4=7.5
	2.3. Conferinţe invitate/ lucrări de sinteză prezentate la manifestări organizate sub egide ştiinţifice recunoscute, lucrări comunicate **Realizări:** 2.3.1. ..... 2.3.2.	
	2.4. Lucrări publicate în volumele **conferinţelor BDI** cu publicare in ultimii 2 ani **Realizări:** 1. Andreea Timofte, Alina Mihaela Palcu, Valentina-Gabi Stanecu, Ioana Roxana Corduneanu, **Vasilica Popescu,** *Application of ecodesign principles in the dyeing of natural fibre textiles,* The 9th edition of the International Symposium "Technical Textiles - Present and Future", Iasi, Romania, 20 November 2025._publicat in 2026 2. Iuliana Petcu, Nicoleta Tofănescu, Angela Dănilă, Romeo Pruneanu, **Vasilica Popescu**, *Green chemistry approaches to textile dyeing using plant waste extracts,* The 9th edition of the International Symposium "Technical Textiles - Present and Future", Iasi, Romania, 20 November 2025. 3. Romeo Pruneanu, Melinda Pruneanu, Ingrid-Ioana Bucișcanu, **Vasilica Popescu,** From Waste Fibers to Functionality: Wool-derived Melanin for Advanced Technical Textiles, International Symposium "Technical Textiles - Present and Future 2025.	30/5=6 30/5=6 30/4=7.5
	2.5. Brevete acordate, produse omologate **Realizări:** 2.5.1. ..... 2.5.2.	
	2.6. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare câştigate prin competiţie **Realizări:** **2.6.1.** PRNE/415/PRNE_P1/OP1/RSO1.1/PRNE_A1 - PR/NE/2024/P1/RSO1.1/1/2 - INFRASTRUCTURI CDI - Centrul pentru cercetare – inovare în domeniul textilelor și al industriei modei - SMART-Tex-IS, Cod SMIS 334492, Contract 662 / 08.04.2025-membru **2.6.2. .....**	93.61
	2.7. Proiecte/ Contracte/ Granturi de cercetare-dezvoltare încheiate cu institute de cercetare, companii, regii, societăţi comerciale **Realizări:** 2.7.1. ..... 2.7.2.	
	2.8. Creaţii de arhitectură, urbanism, restaurări, design şi arte plastice efectuate prin Universitate **Realizări:** 2.8.a. ..... 2.8.b.	
	2.9. Citări în reviste cotate ISI sau indexate în baze de date internaţionale (BDI) **Realizări:** 260 art. ISI X 5 =1300 Puncte 33 carti X 3 = 99 Puncte 7 Conferinte ISI X 2 = 14 Puncte **Lista citarilor este prezentata la finalul acestei fise de autoevaluare**	1413
	2.10. Finalizare teză de doctorat **Realizări:** 2.10.1.	
	2.11. Elaborare standarde	

	Realizări: 2.11.1. ..... 2.11.2.	
Total punctaj Criteriu 2		**1910.25**
3. Recunoaşterea naţională şi internaţională (minimum: • 15 puncte prof.; • 10 puncte conf.; • 5 puncte ș. l.)	**3.1**. Profesor invitat pentru prelegeri la univ. de prestigiu **Realizări:** 3.1.1. ..... 3.1.2.	
	3.2. Membru în academii (Academia Română, Academia de Ştiinţe Tehnice, Academia de Ştiinţe Agricole şi Silvice, Academia Oamenilor de Ştiinţă etc.) **Realizări:** 3.2.1. ..... 3.2.2.	
	3.3. Doctor Honoris Causa **Realizări:** 3.3.1. ..... 3.3.2.	
	3.4. Membru în societăţi ştiinţifice şi profesionale (AGIR, asociațiile absolvenților etc.) **Realizări:** 3.4.1. ..... 3.4.2.	
	3.5. Membru în comisii de doctorat **Realizări:** 3.5.1. raport anual Stanescu Valentina Gabi 3.5.2. raport anual Tofanescu Mihai Nicoleta 3.5.3. raport anual Pruneanu Romeo 3.5.4. raport anual Alina Palcu 3.5.5. raport anual Iuliana Petcu 3.5.6. raport anual Andreea Timofte 3.5.7.raport anual doctoranda Taranu Andreea coordonata de prof. Blaga Mirela	7x1=7
	3.6. Membru în colective de redacţie ale revistelor **Realizări:** 3.6.1. ..... 3.6.2.	
	3.7. Membru în comitete științifice naționale/ internaţionale/ de program (la congrese, conferinţe etc.) **Realizări:** 3.7.1. .... 3.7.2.	
	3.8. Membru în echipe de expertizare / evaluare a cercetării ştiinţifice (proiecte CNCS, PNCDI II FP7, Phare; centre de cercetare etc.) **Realizări:** 3.8.1. ..... 3.8.2.	
	3.9. Membru în echipe de expertizare (evaluare) a procesului educaţional (ARACIS, EUA etc.) **Realizări:** 3.9.1. ..... 3.9.2.	
	3.10. Membru în consilii naţionale de specialitate **Realizări:** 3.10.1. ..... 3.10.2.	
	3.11. Organizator de manifestări ştiinţifice naţionale / internaţionale / sesiuni invitate **Realizări:** 3.11.1. ..... 3.11.2.	
	3.12. Referent ştiinţific / expert naţional şi internaţional (pentru reviste, congrese etc.) **Realizări:** 3.12.1. recenzii articole ISI_ 7 3.12.2. ..... 3.12.3. recenzii articole prezentate la conferinte BDI_3	 7x10=70 3x3=9
	3.13. Membru în comisii de concurs pentru posturi didactice universitare **Realizări:** 3.13.1. ..... 3.13.2.	
	3.14. Membru în jurii, comisii, concursuri profesionale **Realizări:** 3.14.1. ..... 3.14.2.	
	3.15. Cercetător invitat pentru activităţi de cercetare în universităţi/firme de prestigiu 3.15.1. ..... 3.15.2.	

	3.16. Cadru didactic invitat în programe ERASMUS (prelegeri) 3.16.1. ..... 3.16.2.	
	3.17.Cadru didactic care gestioneaza acorduri bilaterale ERASMUS 3.17.1. ..... 3.17.2.	
	3.18. Premii **Realizări:** 3.18.1. ..... 3.18.2.	
Total punctaj Criteriu 3		**86**
4. Activitatea cu studenţii (minimum: • 10 puncte prof.; • 7 puncte conf.; • 5 puncte ș.l.)	**4.1.** Conducere cercuri ştiinţifice studenţeşti **Realizări:** 4.1.1. Conducere cercuri ştiinţifice studenţeşti – 3 4.1.2.	3x3=9
	4.2. Pregătire pentru concursuri profesionale (pentru fazele naţională şi internaţională) **Realizări:** 4.2.1. ..... 4.2.2.	
	4.3. Conducere lucrări de absolvire[2)], licenţă (diplomă), disertaţie, doctorat ((inclusiv cotutelă, membri în echipa de îndrumare) **Realizări:** 4.3.1. coordonare licenta -1 _ Baklan Adrian 4.3.2. coordonare disertatie -3_ Pap Alexandru, Danila Radu- Gabriel, Stanescu Radu, 4.3.3 coordonare doctorat -6_ Miron valentina Gabi, Pruneanu Romeo, Mihai Nicoleta, Timofte Andreea, Palcu Alina si Petcu Iuliana	 1x3=3 3x5=15 6x15=90
	4.4. Îndrumare ani de studii **Realizări:** 4.4.1. consilier anul II master EFT 4.4.2.	 1x5=5
	4.5. Organizarea de excursii de studii, prezentarea ofertei educaționale a universității în licee **Realizări:** **4.5.1**. ..... **4.5.2**.	
	4.6. Activități cu studenți ERASMUS **Realizări:** 4.6.1. ..... 4.6.2.	
Total punctaj Criteriu 4		**122**
5. Activitatea în comunitatea academică (minimum: • 15 puncte prof.; • 10 puncte conf.); • 5 puncte ș.l.;	**5.1.** Participare la mese rotunde, dezbateri organizate la nivelul facultății/ universității etc. **Realizări:** 5.1.1. ..... 5.1.2.	
	5.2. Activitate în comisii **Realizări:** 5.2.1. doua comisii pentru finalizarea studiilor de licenta (iulie +septembrie) 5.2.2. doua comisii pentru finalizarea studiilor de master (iulie+septembrie) 5.2.3. director de departament 5.2.4. comisie practica de cercetare anul I master 5.2.5. membra in Consiliul Profesoral 5.2.6. membra in Comisia cu evaluarea activitatii didactice, la nivel de facultate 5.2.7 membra in comisia de evaluare a activitatii studentilor 5.2.8. membra in comisia de concurs la admiterea la master EFT (iulie+ septembrie) 5.2.9. comisie admitere la doctorat	 2x3=6 2x3=6 1x3=3 1x3=3 1x5=5 1x5=5 1x5=5 2x5=10 1x5=5
	5.3. Coordonare programe de studii de licență/ masterat/ postuniversitare de formare continuă **Realizări:** 5.3.1.coordonare elaborare rapoarte de autoevaluare pentru acreditare/evaluare periodică/ aprobare pentru programul de masterat EFT (februarie 2026) 5.3.2.coordonare elaborare rapoarte de autoevaluare pentru acreditare/evaluare periodică/ aprobare pentru programul de licenta TCT 5.3.3 coordonare program de studii de licenta TCT	 1x20=20 1x20=20 1x5=5
Total punctaj Criteriu 5		**93**
Total punctaj Criterii 1-5		2426.57
Total general		2426.57

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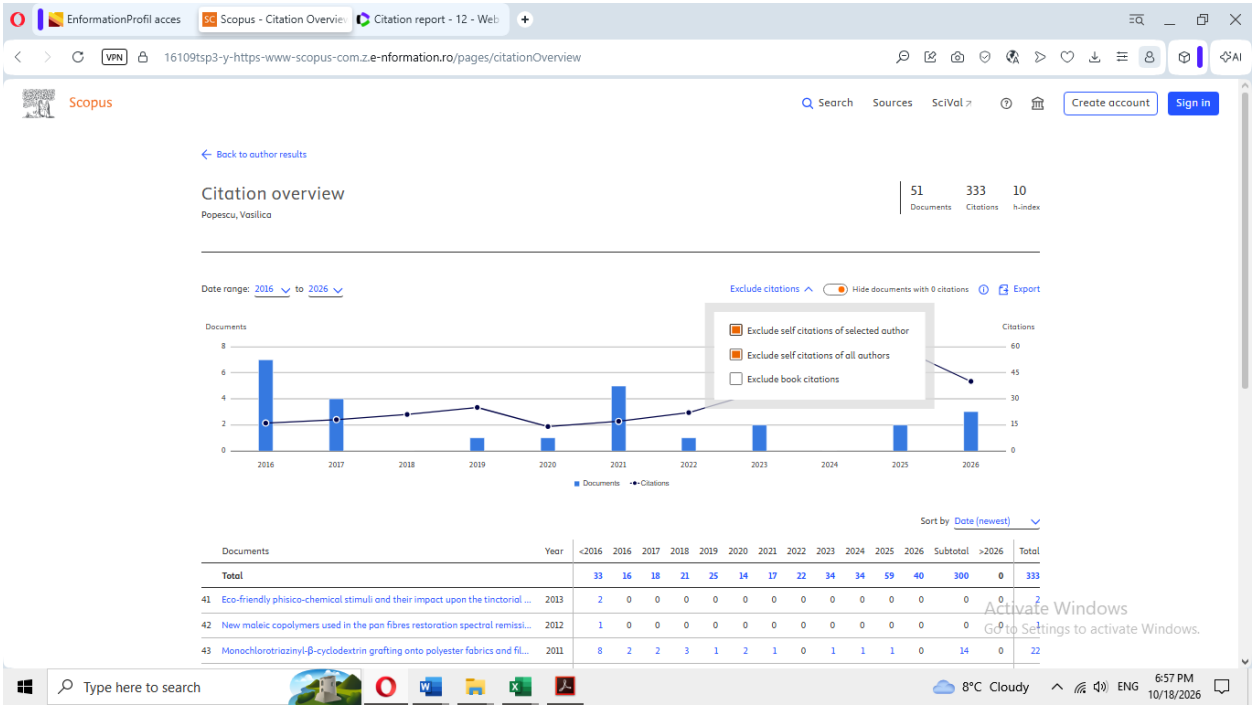
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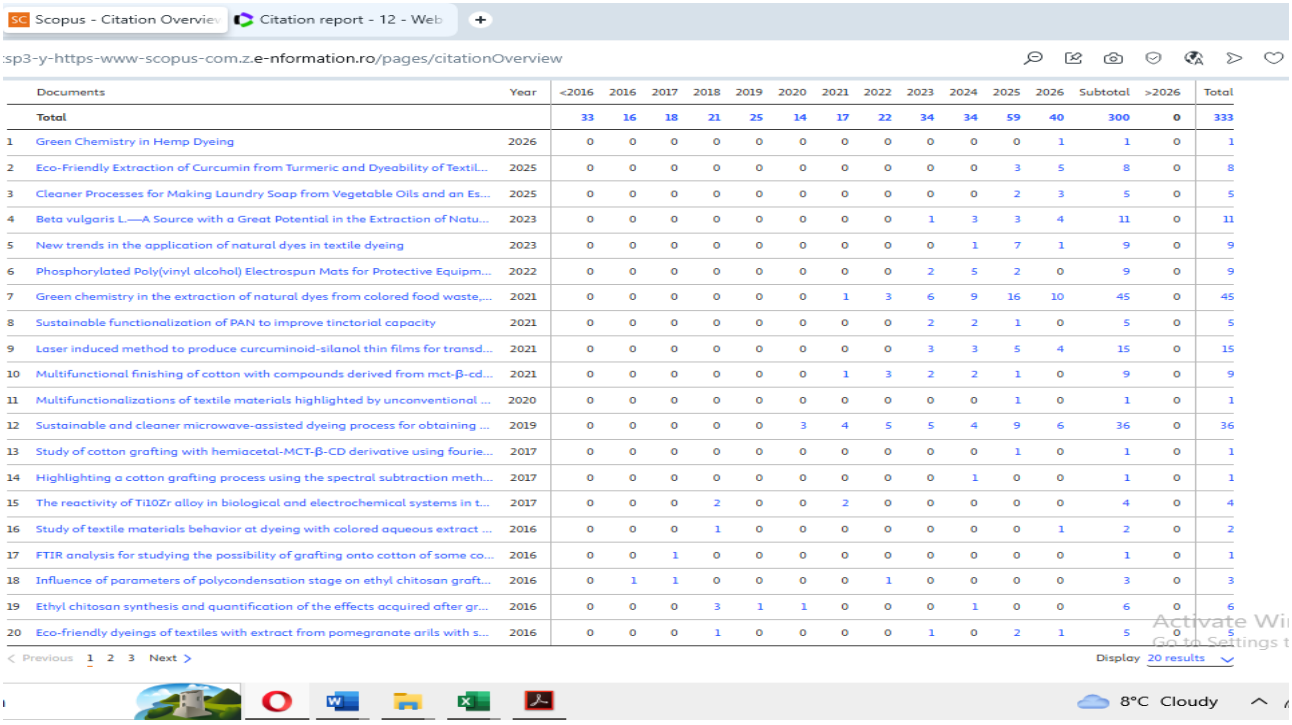
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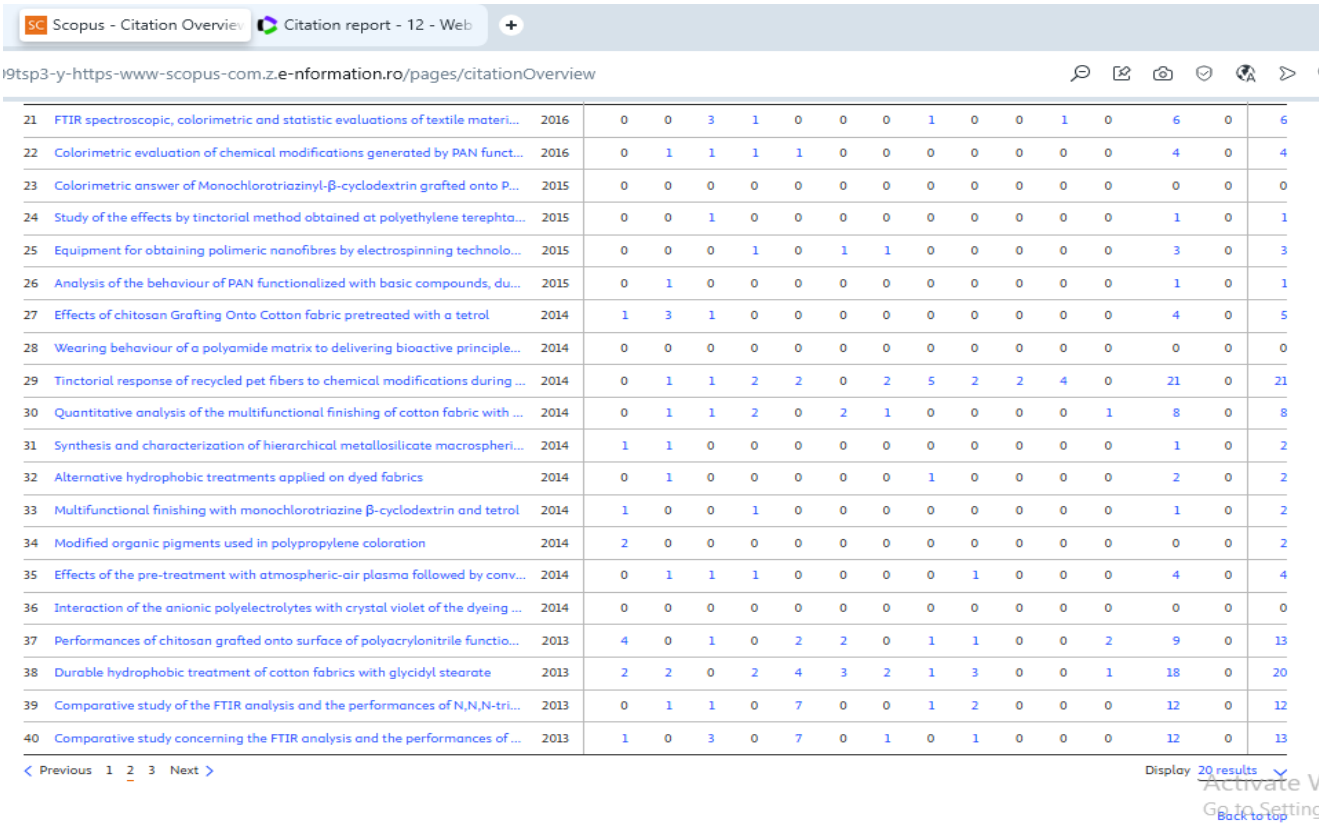
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	Total		**33**	**16**	**18**	**21**	**25**	**14**	**17**	**22**	**34**	**34**	**59**	**40**	**300**	**0**	**333**
1	Green Chemistry in Hemp Dyeing	2026	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
2	Eco-Friendly Extraction of Curcumin from Turmeric and Dyeability of Textil...	2025	0	0	0	0	0	0	0	0	0	0	3	5	8	0	8
3	Cleaner Processes for Making Laundry Soap from Vegetable Oils and an Es...	2025	0	0	0	0	0	0	0	0	0	0	2	3	5	0	5
4	Beta vulgaris L.—A Source with a Great Potential in the Extraction of Natu...	2023	0	0	0	0	0	0	0	0	1	3	3	4	11	0	11
5	New trends in the application of natural dyes in textile dyeing	2023	0	0	0	0	0	0	0	0	0	1	7	1	9	0	9
6	Phosphorylated Poly(vinyl alcohol) Electrospun Mats for Protective Equipm...	2022	0	0	0	0	0	0	0	0	2	5	2	0	9	0	9
7	Green chemistry in the extraction of natural dyes from colored food waste,...	2021	0	0	0	0	0	0	1	3	6	9	16	10	45	0	45
8	Sustainable functionalization of PAN to improve tinctorial capacity	2021	0	0	0	0	0	0	0	0	2	2	1	0	5	0	5
9	Laser induced method to produce curcuminoid-silanol thin films for transd...	2021	0	0	0	0	0	0	0	0	3	3	5	4	15	0	15
10	Multifunctional finishing of cotton with compounds derived from mct-β-cd...	2021	0	0	0	0	0	0	1	3	2	2	1	0	9	0	9
11	Multifunctionalizations of textile materials highlighted by unconventional ...	2020	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
12	Sustainable and cleaner microwave-assisted dyeing process for obtaining ...	2019	0	0	0	0	0	3	4	5	5	4	9	6	36	0	36
13	Study of cotton grafting with hemiacetal-MCT-β-CD derivative using fourie...	2017	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
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18	Influence of parameters of polycondensation stage on ethyl chitosan graft...	2016	0	1	1	0	0	0	0	1	0	0	0	0	3	0	3
19	Ethyl chitosan synthesis and quantification of the effects acquired after gr...	2016	0	0	0	3	1	1	0	0	0	1	0	0	6	0	6
20	Eco-friendly dyeings of textiles with extract from pomegranate arils with s...	2016	0	0	0	1	0	0	0	0	1	0	2	1	5	0	5

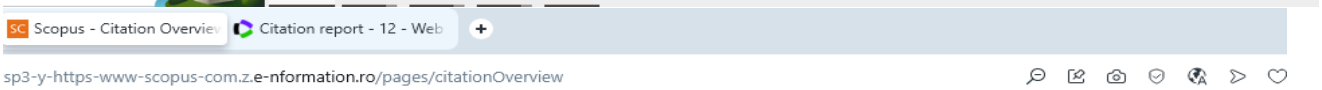
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21	FTIR spectroscopic, colorimetric and statistic evaluations of textile materi...	2016	0	0	3	1	0	0	0	1	0	0	1	0	6	0	6
22	Colorimetric evaluation of chemical modifications generated by PAN funct...	2016	0	1	1	1	1	0	0	0	0	0	0	0	4	0	4
23	Colorimetric answer of Monochlorotriazinyl-β-cyclodextrin grafted onto P...	2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Study of the effects by tinctorial method obtained at polyethylene terephta...	2015	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1
25	Equipment for obtaining polimeric nanofibres by electrospinning technolo...	2015	0	0	0	1	0	1	1	0	0	0	0	0	3	0	3
26	Analysis of the behaviour of PAN functionalized with basic compounds, du...	2015	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1
27	Effects of chitosan Grafting Onto Cotton fabric pretreated with a tetrol	2014	1	3	1	0	0	0	0	0	0	0	0	0	4	0	5
28	Wearing behaviour of a polyamide matrix to delivering bioactive principle...	2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Tinctorial response of recycled pet fibers to chemical modifications during ...	2014	0	1	1	2	2	0	2	5	2	2	4	0	21	0	21
30	Quantitative analysis of the multifunctional finishing of cotton fabric with ...	2014	0	1	1	2	0	2	1	0	0	0	0	1	8	0	8
31	Synthesis and characterization of hierarchical metallosilicate macrospheri...	2014	1	1	0	0	0	0	0	0	0	0	0	0	1	0	2
32	Alternative hydrophobic treatments applied on dyed fabrics	2014	0	1	0	0	0	0	0	1	0	0	0	0	2	0	2
33	Multifunctional finishing with monochlorotriazine β-cyclodextrin and tetrol	2014	1	0	0	1	0	0	0	0	0	0	0	0	1	0	2
34	Modified organic pigments used in polypropylene coloration	2014	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
35	Effects of the pre-treatment with atmospheric-air plasma followed by conv...	2014	0	1	1	1	0	0	0	0	1	0	0	0	4	0	4
36	Interaction of the anionic polyelectrolytes with crystal violet of the dyeing ...	2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Performances of chitosan grafted onto surface of polyacrylonitrile functio...	2013	4	0	1	0	2	2	0	1	1	0	0	2	9	0	13
38	Durable hydrophobic treatment of cotton fabrics with glycidyl stearate	2013	2	2	0	2	4	3	2	1	3	0	0	1	18	0	20
39	Comparative study of the FTIR analysis and the performances of N,N,N-tri...	2013	0	1	1	0	7	0	0	1	2	0	0	0	12	0	12
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41	Eco-friendly phisico-chemical stimuli and their impact upon the tinctorial ...	2013	2	0	0	0	0	0	0	0	0	0	0	0	0	2
42	New maleic copolymers used in the pan fibres restoration spectral remissi...	2012	1	0	0	0	0	0	0	0	0	0	0	0	0	1
43	Monochlorotriazinyl-β-cyclodextrin grafting onto polyester fabrics and films	2011	8	2	2	3	1	2	1	0	1	1	1	0	14	0	22
44	Non-conventional method for the levelling dyeing of the acrylic fibers with...	2011	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
45	Effects of the changes caused by certain chemical pretreatments performe...	2010	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
46	Determination of the factors influencing the flame retardant efficiency of t...	2009	1	0	0	0	0	0	1	0	1	0	0	0	2	0	3
47	Statistical analysis of the dyeing levelness of acrylic fibres. II. Effect of the ...	2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	The analysis of variance applied in case of tinctorial system acrylic fiber - c...	2001	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
49	Statistical analysis of acrylic fibres dyeing levelness Part I: Temperature an...	2001	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
50	Possibility of study the tinctorial process by using the analysis of variance	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	The influence of the structural modification over the dyeing behaviour of t...	1996	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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2. *Eco-Friendly Extraction of Curcumin from Turmeric and Dyeability of Textile Fibers* Fibers **2025**, *13, 73.* *https://doi.org/10.3390/fib13060073*
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4. Beta vulgaris L. - A source with a great potential in the extraction of natural dyes intended for the sustainable dyeing of wool, PLANTS 12(10), article no.1933, (2023), FI în 2022=4,5.; doi: 10.3390/plants12101933; WOS:000998274600001
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Vasilica Popescu, Alexandra Cristina Blaga, Melinda Pruneanu, Irina Niculina Cristian, Marius Pîslaru, Andrei Popescu, Vlad Rotaru, Igor Crețescu and Dan Cașcaval

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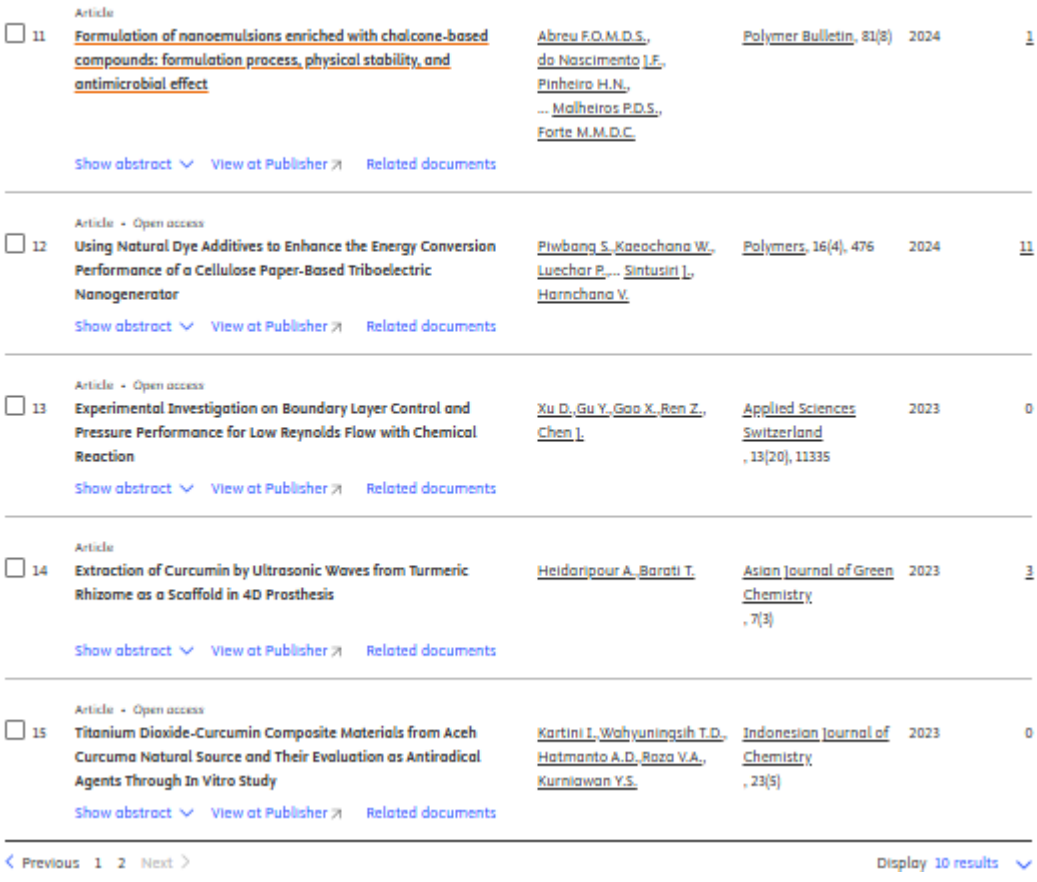
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11. *Multifunctionalizations of Textile Materials Highlighted by unconventional dyeings,* in book Frontiers of Textile Materials: Polymers, Nanomaterials, Enzymes, and Advanced Modification Techniques, eds: Mohd Shabbir, Shakeel Ahmed, and Javed N. Sheikh, (219–290), First published: 22 January 2021, Scrivener Publishing LLC. https://doi.org/10.1002/9781119620396.ch11
Carte: Print ISBN:9781119620372 , **Online ISBN:9781119620396** , DOI:10.1002/9781119620396
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12. *Sustainable and cleaner microwave-assisted dyeing process for obtaining eco-friendly and fluorescent acrylic knitted fabrics*

JOURNAL OF CLEANER PRODUCTION 232, (2019), p. 451-461, FI în 2019= 7,246.
Vasilica Popescu*, Dragos-George Astanei, Radu Burlică, Andrei Popescu, Corneliu Munteanu, Florin Ciolacu, Mariana Ursache, Luminița Ciobanu, Alexandru Cocean

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11	Article • Open access **Ecofriendly dyeing of silk fabric with yellow natural and synthetic dye** Show abstract View at Publisher Related documents	Tanveer H.A., Adeel S., Fazal-ur-Rehman, ... Imran M., Mia R.	Results in Engineering, 25, 104192	2025	13
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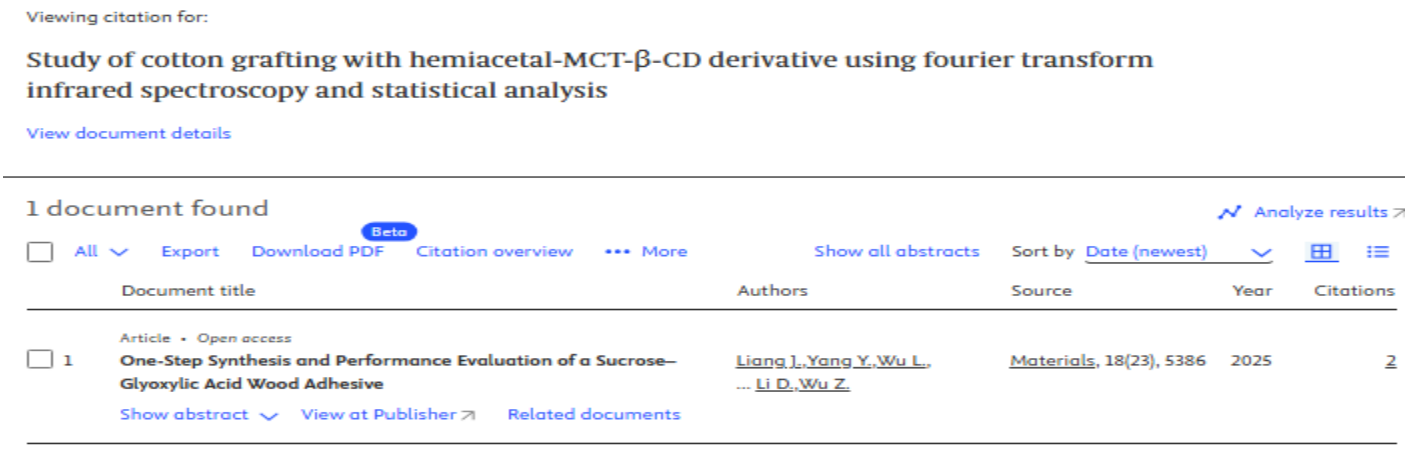
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13. *Study of cotton grafting with hemiacetal - MCT-β-CD derivative using fourier transform infrared spectroscopy and statistical analysis*
REV. CHIM. (Bucharest), 68, no. 9, (2017), p. 2055-2059). FI în 2017=1,412.
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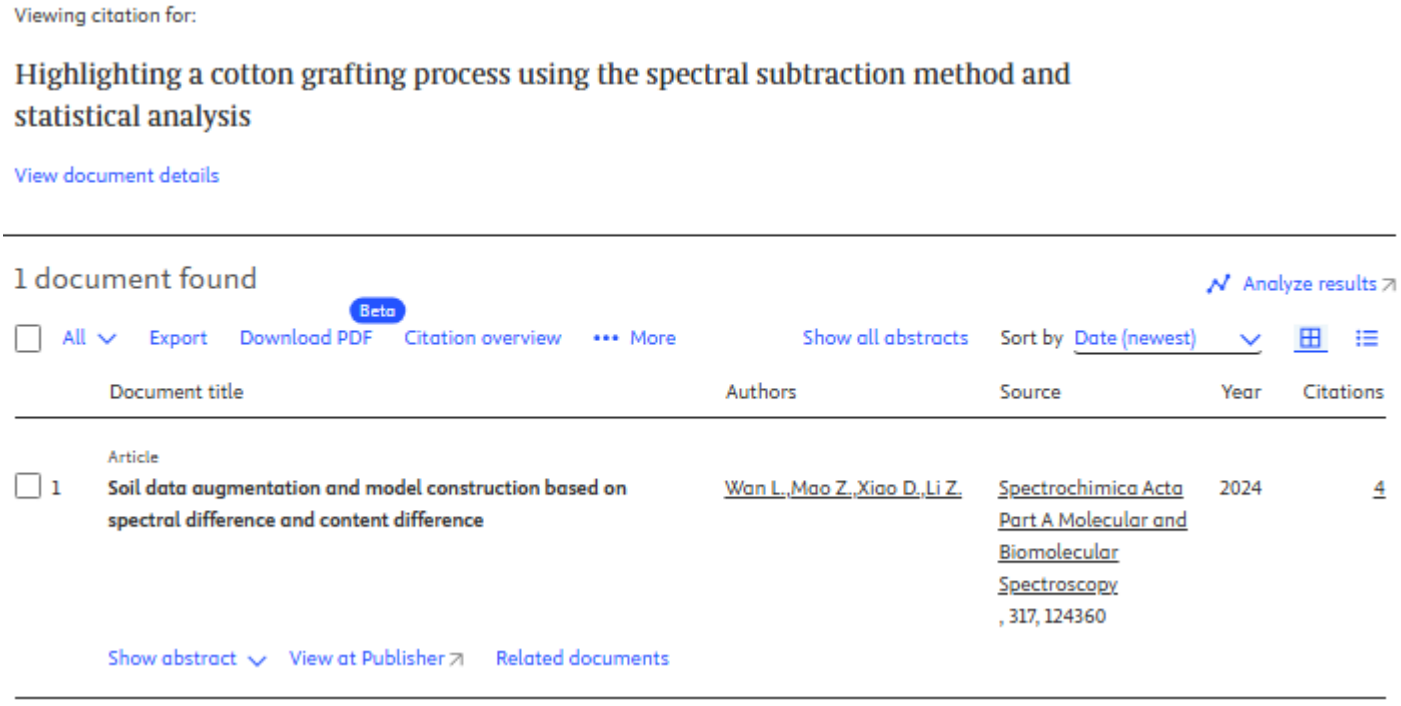
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14. *Highlighting a cotton grafting process using the spectral subtraction method and statistical analysis*
REV.CHIM. (Bucharest), 68, no. 8, (2017), p. 1884-1889, FI în 2017=1,412.
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15. *The reactivity of Ti10Zr alloy in biological and electrochemical systems in the presence of chitosan*
RSC ADVANCES, 7, no.33, (2017), p. 20146-20146, FI în 2017= 2,936.
Vlad Gabriel Vasilescu, Ion Sandu, Gheorghe Nemțoi, Andrei Victor Sandu, **Vasilica Popescu**, Viorica Vasilache, Ioan Gabriel Sandu, Elisabeta Vasilescu

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16. *Study of textile materials behavior at dyeing with colored aqueous extract obtained by boiling peels, arils and seeds of punica granatum: spectroscopic, colorimetric and statistic evaluations*
REV. CHIM. (Bucharest), 67, no. 12, (2016), p. 2454-2459, FI în 2016= 1,232.
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17. *FTIR analysis for studying the possibility of grafting onto cotton of some compounds resulted from interaction of carbonyl compounds with monochlorotriazinyl-β-cyclodextrin*
REV. CHIM. (Bucharest), 67, no. 11, (2016), p. 2184, FI în 2016= 1,232.
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18. *Influence of parameters of polycondensation stage on ethyl chitosan grafting on cotton*
REV. CHIM. (Bucharest), 67, no. 4, (2016), p.768- 773, FI în 2016= 1,232.
Vasilica Popescu*, Irina Crina Anca Sandu, Gabriel Popescu

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Go to Se

19. *Ethyl chitosan synthesis and quantification of the effects acquired after grafting it on a cotton fabric, using ANOVA statistical analysis*
CARBOHYDRATE POLYMERS, 138, (2016), p. 94–105, FI în 2016= 4,811.
Vasilica Popescu, Augustin Muresan*, Gabriel Popescu, Mihaela Balan, Marius Dobromir

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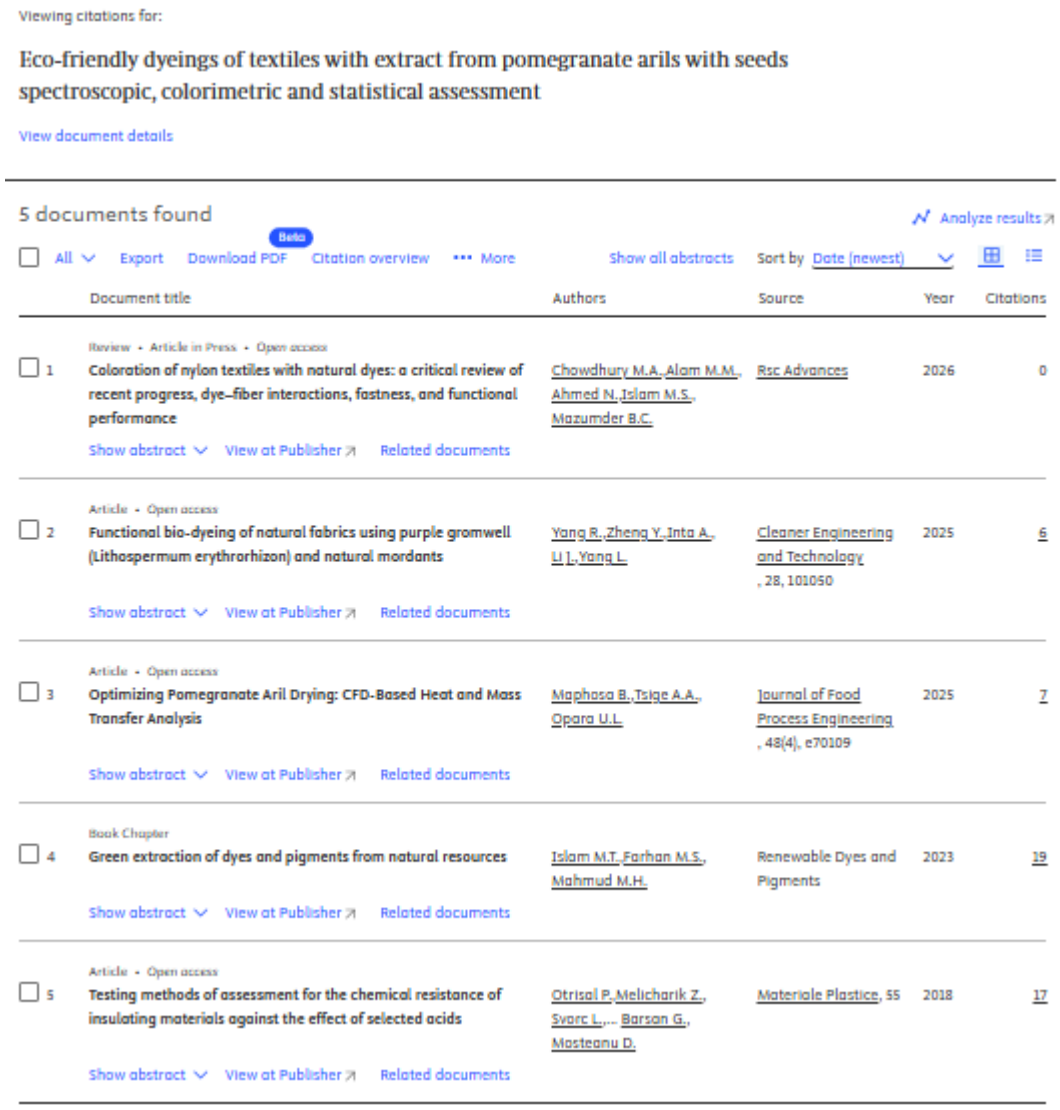
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6	Conference Paper **Introducing statistical process control techniques into a headliner subassembly process**	Rose T.G.	Proceedings of the International Conference on Industrial Engineering	2018	0

20. *Eco-friendly dyeings of textiles with extract from pomegranate arils with seeds spectroscopic, colorimetric and statistical assessment*
REV. CHIM. (Bucharest), 67, no.2, (2016), p.270-275, FI în 2016= 1,232.
Vasilica Popescu*, Aurel Pui, Irina Crina Anca Sandu, Gabriel Popescu

Citat de 5 ori



21. *FTIR spectroscopic, colorimetric and statistic evaluations of textile materials dyed with crude extract obtained by macerating pomegranate peels*

REV. CHIM. (Bucharest), 67, no. 10, (2016), p.1994- 2000, FI în 2016= 1,232.
Vasilica Popescu*, Irina Crina Anca Sandu, Gabriel Popescu

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Activa
Go to S

22. *Colorimetric evaluation of chemical modifications generated by PAN functionalization in acid/ basic medium and grafting with chitosan*
REV. CHIM. (Bucharest), 67, no. 1, (2016), p.74-80, FI în 2016= 1,232.
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Vasilica Popescu*, Irina Crina Anca Sandu, Gabriel Popescu, Alexandru Popa, Cezar Doru Radu

Zero citari

24. *Study of the effects by tinctorial method obtained at polyethylene terephtalate functionalization with alcohols*
REV. CHIM. (Bucharest), 66, no. 10, (2015), p. 1607-1613, FI în 2015= 0,956.
Vasilica Popescu*, Irina Crina Anca Sandu, Gabriel Popescu, Gabriela Lisă, Alexandru Popa

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25. *Equipment for obtaining polimeric nanofibers by electrospinning technology, II. The obtaining polimeric nanofiber*
MATERIALE PLASTICE, 52, no. 2, (2015), p. 180-185, FI în 2015= 0,903.
Liliana Rozemarie Manea, Bogdan Cramariuc, Radu Cramariuc, Roxana Scarlet, Ion Sandu*, **Vasilica Popescu**

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2	Conference Paper • Open access **Synthesis and characterizations of new conducting polyamide (Nylon 6,6) composites, conductivity and thermal Studies.** Show abstract · View at Publisher · Related documents	Obies O.J., Kadhim P.D.R.G., Mutar P.D.M.A.	Iop Conference Series Materials Science and Engineering, 871(1), 012083	2020	2
3	Conference Paper • Open access **Influence of Al2O3-13TiO2 powder on a C45 steel using atmospheric plasma spray process** Show abstract · View at Publisher · Related documents	Mahu G., Munteanu C., Istrate B., Benchea M., Lupescu S.	Iop Conference Series Materials Science and Engineering, 444(3), 032010	2018	8

Activa
Go to S

26. *Analysis of the behaviour of PAN functionalized with basic compounds, during dyeing process with acid dyes*
REV. CHIM. (Bucharest), 66, no. 12, (2015), p.1997- 2004, FI în 2015= 0,956.
Vasilica Popescu*, Irina Crina Anca Sandu, Gabriel Popescu

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27. *Effects of chitosan grafting onto cotton fabric pretreated with a tetrol*

REV CHIM. (Bucharest), 65, no. 12, (2014), p. 1439-1447, FI în 2014= 0,810
Vasilica Popescu*, Ioan Gabriel Sandu, Ecaterina Vasluianu, Ion Sandu, Cristine Campagne

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28. *Wearing behaviour of a poliamide matrix to delivering bioactive- Principles in dermatic disorders*
REV. CHIM. (Bucharest), 65, no. 11, (2014), p. 1357-1362, FI în 2014= 0,810.
Daciana-Elena Brănişteanu, Gheorghe Agafiţei, Ion Sandu, Oana Parteni, **Vasilica Popescu**, Marieta Nichifor, Cezar-Doru Radu*

Zero citari

29. *Tinctorial Response of Recycled PET Fibers To Chemical Modifications During Saponification and Aminolysis reactions*
INDUSTRIAL ENGINEERING CHEMISTRY RESEARCH, *53,* no.43, (2014), p. 16652–16663, FI în 2014=2,587.
Vasilica Popescu*, Augustin Mureşan, Ovidiu Constandache, Gabriela Lisă, Emil Ioan Mureşan, Corneliu Munteanu, Ion Sandu

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3	Review · Open access **The Current State-of-the-Art of the Processes Involved in the Chemical Recycling of Textile Waste** Show abstract · View at Publisher · Related documents	Ndagano U.N., Cahill L., Smullen C., Gaughran J., Kelleher S.M.	Molecules, 30(2), 299	2025	42
4	Book Chapter **Upcycling of polymer nanocomposites through degradation mechanism** Show abstract · View at Publisher · Related documents	Postnikov P.S., Olga G., Kogolev D., ... Zinchenko A., Chan K.	Aging and Degradation of Polymer Nanocomposites	2025	0
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30. *Quantitative analysis of the multifunctional finishing of cotton fabric with non-formaldehyde agents*
CARBOHYDRATE POLYMERS, 111, (2014), p. 870–882, FI în 2014= 4,074.
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31. *Synthesis and characterization of hierarchical metallosilicate macrospheres catalysts*

REV C HIM. (Bucharest), 65, no. 9, (2014), p. 1029-1035, FI în 2014= 0,810.
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32. *Alternative hydrophobic treatments applied on dyed fabrics*
REV. CHIM. (Bucharest), 65, no. 9, (2014), p. 1052-1057, FI în 2014= 0,810.
Gina Bălan, Emil Ioan Mureşan, **Vasilica Popescu**, Angela Cerempei*, Augustin Mureşan, Ion Sandu

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33. *Multifunctional finishing with monochlortriazinil β-cyclodextrine and tetrol*
REV. CHIM. (Bucharest), 65, no. 7, (2014), p. 811-818, FI în 2014= 0,810.
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34. *Modified organic pigments used in polypropylene coloration*

REV. CHIM. (Bucharest), 65, no. 8, (2014), p. 892-896, FI în 2014= 0,810.
Tatiana Constandache, Angela Cerempei, Emil-Ioan Mureşan, **Vasilica Popescu***, Mioara Drobota, Ion Sandu

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35. *Effects of the pre-treatment with atmospheric - air plasma followed by conventional finishing*
REV. CHIM. (Bucharest), 65, no. 6, (2014), p. 676-683, FI în 2014= 0,810.
Vasilica Popescu*, Ion Sandu, Emil Ioan Mureşan, Bogdan Istrate, Gabriela Lisă

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36. *Interaction of the anionic polyelectrolytes with crystal violet of the dyeing process of Melana fibres statistic modelling and optimization*
MATERIALE PLASTICE, 51, no. 1, (2014), p. 22-27, FI în 2014= 0,824.
Bercu E., Diaconescu R*., Balan A., Sandu I., **Vasilica Popescu**, Cioloca D., Toma V.

Citari zero

37. *Performances of chitosan grafted onto surface of polyacrylonitrile functionalized through amination reactions*
INDUSTRIAL ENGINEERING CHEMISTRY RESEARCH, 52, no. 37, (2013), p. 13252-13263, FI în 2013= 2,235.
Vasilica Popescu*, Emil Ioan Mureşan

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Performances of chitosan grafted onto surface of polyacrylonitrile functionalized through amination reactions

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38. *Durable hydrophobic treatment of cotton fabrics with glycidyl stearate*
INDUSTRIAL ENGINEERING CHEMISTRY RESEARCH, 52, no.18, (2013), p. 6270-6276, FI în 2013= 2,235.
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39. *Comparative study of the FTIR analysis and the performances of N,N,N-trimethyl chitosan as wrinkle- proofing agent*
REV. CHIM. (Bucharest), 64, no.11, (2013), p. 1284-1294, FI în 2013= 0,677.
Vasilica Popescu*, Ecaterina Vasluianu, Norina-Consuela Forna, Ion Sandu, Elena Bercu

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12	Review **Recent research progress on preparation and application of N, N, N-trimethyl chitosan** Show abstract View at Publisher Related documents	Wu M.,Long Z.,Xiao H., Dong C.	Carbohydrate Research , 434	2016	78

Activa

40. Comparative study concerning the FTIR analysis and the performances of chitosan-based wrinkle-proofing agents
REV. CHIM. (Bucharest), 64, no.10, (2013), p. 1104-1115, FI în 2013= 0,677.
Ecaterina Vasluianu, **Vasilica Popescu***, Aurelia Grigoriu, Norina Consuela Forna, Ion Sandu

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41. *Eco-friendly phisico-chemical stimuli and their impact upon the tinctorial capacity of acrylic fibres*
REV. CHIM. (Bucharest), 64, no.3, (2013), p. 281-286, FI în 2013= 0,677.
Vasilica Popescu*, Liliana Rozemarie Manea, Ioan Gabriel Sandu, Andreea Irina Chirculescu, Ion Sandu

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42. *New maleic copolymers used in the PAN fibres restoration spectral remission measurements*
EUROPEAN JOURNAL OF SCIENCE AND THEOLOGY, 8, no.4, (2012), p. 247-258, FI în 2012= 0,389.
Elena Bercu, Rodica-Mariana Diaconescu*, Cezar-Doru Radu, **Vasilica Popescu**

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43. *Monochlorotriazinyl-beta-cyclodextrin grafting onto polyester fabrics and films*
CARBOHYDRATE POLYMERS, 86, no.2, (2011), p. 600-611, FI în 2011=3,628.
Vasilica Popescu*, Emil Loan Mureşan, Ana-Maria Grigoriu

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Activat

44. *Non-conventional method for the levelling dyeing of the acrylic fibers with cationic dyestuffs*
TEKSTIL, 60, no. 7, (2011), p. 306-312, FI în 2011= 0,086.
Vasilica Popescu*, Liliana-Rozemarie Manea, Antonela Curteza, Ecaterina Vasluianu

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45. *Effects of the changes caused by certain chemical pretreatments performed on acrylic polymers*
INDUSTRIA TEXTILA, 61, no.1, (2010), p. 23-30, FI în 2010= 0,853.
Vasilica Popescu*, Cezar Doru Radu, Liliana Rozemarie Manea

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46. *Determination of the factors influencing the flame retardant efficiency of the protection - dyed cellulose materials using the analysis of variances*
MATERIALE PLASTICE, 46, no. 1, (2009), p. 96-100, cotată ISI dar cu FI= 0,0 în 2019.
Vasilica Popescu*, Liliana Rozemarie Manea, Nicuşor Amariei

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Determination of the factors influencing the flame retardant efficiency of the protection - Dyed cellulose materials using the analysis of variances

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48. **The analysis of variance applied in case of tinctorial system acrylic fiber - cationic dye** [Folosirea metodei de analiză dispersională în studiul sistemului tinctorial fibre acrilice - coloranţi cationici]
By: **Popescu, V.**, Butnaru, R., Popescu, G.
REVISTA ROMANA DE TEXTILE - PIELARIE, Issue 1, **2001**, Pages 85-90

Citat de:

1.Fundamentals and practices in colouration of textiles, 2009 (Book Autor: Chakraborty, J.N (Textile Technology Department, National Institute of Technology, Jalandhar, India); ISBN: 978-184569788-4 Original language: English
DOI: 10.1533/9780857092823Document Type: Book
Publisher: Woodhead Publishing Limited

2.Fundamentals and practices in colouration of textiles: Second edition, 2014; Book Autor: Chakraborty, J.N (Textile Technology Department, National Institute of Technology, Jalandhar, India); ISBN: 978-085709282-3;978-938030846-3, Original language: English
Book, Publisher: Elsevier Inc.

49. Statistical analysis of acrylic fibres dyeing levelness Part I: Temperature and dye concentration influence,
By: **Popescu, V**., Butnaru, R., Popescu, G.L., et. al.
REVISTA ROMANA DE TEXTILE - PIELARIE, Issue 4, 2001, Pages 77-82

Citat de:

1.Fundamentals and practices in colouration of textiles, 2009; Book Autor: Chakraborty, J.N (Textile Technology Department, National Institute of Technology, Jalandhar, India); ISBN: 978-184569788-4, Original language: English
DOI: 10.1533/9780857092823Document Type: Book
Publisher: Woodhead Publishing Limited

2. Fundamentals and practices in colouration of textiles: Second edition, 2014; Book Autor: Chakraborty, J.N (Textile Technology Department, National Institute of Technology, Jalandhar, India); ISBN: 978-085709282-3;978-938030846-3, Original language: English
Book
Publisher: Elsevier Inc.

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TOTAL citări în SCOPUS (fără autocitări, in ultimii 10 ani), NC = 300



UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
FACULTATEA DE DESIGN INDUSTRIAL ȘI MANAGEMENTUL AFACERILOR
DEPARTAMENTUL DE INGINERIE CHIMICĂ ÎN TEXTILE ȘI PIELĂRIE

FIŞA DE VERIFICARE

a îndeplinirii standardelor minimale naţionale pentru postul de profesor universitar

standarde publicate în Monitorul Oficial al României Partea I, nr. 121 din data de 11.02.2025

Se definesc:
NTOP = număr total de articole după susținerea tezei de doctorat în reviste cotate WoS situate în top 25% (Q1)- după factor de impact, în calitate de autor principal. Situația revistelor în top 25% se judeca la data înscrierii la concurs sau la data publicării. 1 Articol Q1 se poate echivala cu un brevet internațional.
FIC = factor de impact cumulat (suma factorilor de impact ale revistelor la momentul înscrierii la concursul pentru abilitare sau ocuparea unei poziții didactice/de cercetare)
NP = număr articole în reviste cotate WoS la care candidatul este autor principal (prim autor sau autor de corespondență). Autorul cu calitatea de "prim-autor" nu poate fi decât cel care este trecut primul în lista de autori, iar în calitate de "autor de corespondență" se admit maxim 2, cu condiția să aparțină unor instituții diferite sau unor domenii de expertiză diferite. În caz contrar, punctajul se va împărți la numărul de autori de corespondență. De exemplu, un articol cu 4 autori de corespondență va conta în calculul FIC, NP și NTOP cu 1/4.
NC = număr total de citări (din baza SCOPUS) (se exclud autocitarile candidatului)
NCO = număr contracte de cercetare-dezvoltare-inovare obținute prin competiție la nivel național sau internațional sau contracte de cercetare-dezvoltare- inovare cu terții în valoare minim echivalent 10.000 Euro
NR = număr de publicații tip articol (exclus review, proceedings) reprezentative din mapa candidatului care creionează un domeniu propriu de cercetare al candidatului (domeniu specific). Acestea trebuie să îndeplinească cumulativ următoarele condiții: să fie publicate ca autor principal, să fie în reviste Q1 sau Q2, să înregistreze un număr de cel puțin 5 citări fiecare (Scopus, exclus autocitările tuturor coautorilor), să alcătuiască un domeniu specific de cercetare al candidatului. Nu se admit domenii generale precum inginerie chimică, știința materialelor, știința polimerilor, chimie anorganică, chimie organică, etc. Domeniile specifice sunt de tipul: materiale liante, polimeri termoreactivi, transfer termic, compuși heterociclici, etc. Candidatul va încărca în dosar aceste articole în extenso și va preciza care este domeniul specific.
Articolele pentru calculul NTOP, FIC, NP, NC, NR se vor lua în considerare numai dacă la data publicării revista era cotată WoS, iar la data înscrierii la concurs a candidatului articolele sunt vizibile în WoS.

Standarde minimale (cumulative):
a) NTOP ≥ 4
b) NP ≥ 20
c) FIC ≥ 40
În acest caz în calculul FIC se ține cont de factorul de impact al revistei la care candidatul a publicat un articol ca autor principal și respectiv de factorul de impact împărțit la numărul de autori pentru revistele în care candidatul a publicat un articol în care nu este autor principal
Brevetele naționale (FI = 3) și internaționale (FI = 6) intră în calculul FIC
d) NC ≥ 300
e) NCO ≥ 1 (în calitate de Director proiect/Responsabil proiect)
f) NR ≥ 5

Tabel centralizator cu valorile obținute pentru standardele NTOP, NP, FIC, NC și NCO si NR

Standarde minimale la nivel național	Impus	Realizat	Concluzia
NTOP număr total de articole după susținerea tezei de doctorat în reviste cotate WoS situate în top 25% (Q1)- după factor de impact, în calitate de autor principal. Situația revistelor în top 25% se judeca la data înscrierii la concurs sau la data publicării.	**4**	**9 articole Q1 în anul publicării**	**Îndeplinit**
NP Număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)	**20**	**35**	**Îndeplinit**
FIC Factor de impact cumulat (suma factorilor de impact ai revistelor **la momentul înscrierii la concurs**) *În acest caz în calculul FIC se ține seamă de factorul de impact al revistei la care candidatul a publicat un articol ca autor principal și respectiv de factorul de impact împărțit la numărul de autori pentru revistele în care candidatul a publicat un articol în care nu este autor principal.*	**40**	**76.386** **În anul publicării** **sau** **92.79** **în mommentul înscrierii la concurs**	**Îndeplinit**
NC Număr total de citări (din baza SCOPUS) (se exclud autocitările candidatului)	**300**	**333**	**Îndeplinit**
NCO număr contracte de cercetare-dezvoltare-inovare obținute prin competiție la nivel național sau internațional sau contracte de cercetare- dezvoltare- inovare cu terții în valoare minim echivalent 10.000 Euro	**1**	**1**	**Îndeplinit**

NR număr de publicații tip articol (exclus review, proceedings) reprezentative din mapa candidatului care creionează un domeniu propriu de cercetare al candidatului (domeniu specific).	**5**	**8**	**Îndeplinit**

Justificrea punctajelor obținute pentru standardele naționale NTOP, NP, FIC, NC, NCO şi NR

Calculul punctajului aferent standardului NTOP

Nr. crt.	**Lista articolelor publicate în reviste de TOP, de tip Q1 (zona roșie)** **NTOP**	Cotare articol în anul publicării	Cotare articol la momentul înscrierii în concurs
1.	**Vasilica Popescu**, Alexandra Cristina Blaga, Dan Cașcaval, Andrei Popescu *Beta vulgaris L. - A Source with a Great Potential in the Extraction of Natural Dyes Intended for the Sustainable Dyeing of Wool* **PLANTS,** 12, 1933 **(2023),** FI în 2023=4.2 https://doi.org/10.3390/plants12101933 https://161095x28-y-https-www-scopus-com.z.e-nformation.ro/record/display.uri?eid=2-s2.0-85160672081&origin=resultslist&sort=plf-f	Q1	Q1
2.	**Popescu Vasilica *,** Petrea Marioara, Popescu Andrei *Multifunctional Finishing of Cotton with Compounds Derived from MCT-β-CD and Quantification of Effects Using MLR* Statistical Analysis **POLYMERS** MDPI, 13, 410, **(2021)**, p.1-23, FI în 2021=4,967 Accession Number: **WOS:** 000615458400001 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000615458400001	Q1	Q1
3.	**Popescu V,** Buciscanu I, Pruneanu M.,(...); Cretescu Igor, Chelariu P, Marin M. *Sustainable functionalization of PAN to improve tinctorial capacity* **POLYMERS,** 13, no. 21, **(2021),** FI în 2021=4,967.	Q1	Q1

	DOI 10.3390/polym13213665 Accession Number: **WOS:** 000719009600001 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000719009600001		
4.	**Popescu V.**, Blaga AC, Pruneanu M., (...); Cretescu Igor, Cascaval D. *Green chemistry in the extraction of natural dyes from colored food waste, for dyeing protein textile materials,* **POLYMERS,** 13, no. 22, **(2021),** FI în 2021=4,967. DOI 10.3390/polym13223867 Accession Number: **WOS:** 000724797300001 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000724797300001	Q1	Q1
5.	**Popescu Vasilica***, Astanei Dragos-George, Burlica Radu, Popescu Andrei, Munteanu Corneliu, Ciolacu Florin, Ursache Mariana, Ciobanu Luminita, Cocean Alexandru *Sustainable and cleaner microwave-assisted dyeing process for obtaining eco-friendly and fluorescent acrylic knitted fabrics* **JOURNAL OF CLEANER PRODUCTION,** 232, **(2019),** p. 451-461, FI în 2019= 7,246. DOI 10.1016/j.jclepro.2019.05.281 Accession Number: **WOS:** 000477784000042 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000477784000042	Q1	Q1
6.	**Popescu Vasilica,** Muresan Augustin*, Popescu Gabriel, Balan Mihaela, Dobromir Marius *Ethyl chitosan synthesis and quantification of the effects acquired after grafting it on a cotton fabric, using ANOVA statistical analysis* **CARBOHYDRATE POLYMERS,** 138, (**2016),** p. 94–105, FI în 2016= 4,811. Accession Number: **WOS:** 000368096400012 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000368096400012	Q1	Q1
7.	**Popescu, Vasilica***,Vasluianu, Ecaterina, Gabriel, Popescu *Quantitative analysis of the multifunctional finishing of cotton fabric with non-formaldehyde agents* **CARBOHYDRATE POLYMERS,** 111, (**2014),** p. 870–882, FI în 2014= 4,074. **DOI:** 10.1016/j.carbpol.2014.05.052	Q1	Q1

	Accession Number: **WOS:** 000340302100106 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000340302100106		
8.	**Popescu Vasilica***, Mureşan Emil Ioan *Performances of chitosan grafted onto surface of polyacrylonitrile functionalized through amination reactions* **INDUSTRIAL ENGINEERING CHEMISTRY RESEARCH,** 52, no. 37, (**2013)**, p. 13252-13263, FI în 2013= 2,235. **DOI:** 10.1021/ie401494a Accession Number: **WOS:** 000330080100003 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000330080100003	Q1	Q2
9.	**Popescu Vasilica***, Mureşan Emil Loan, Grigoriu Ana-Maria *Monochlorotriazinyl-beta-cyclodextrin grafting onto polyester fabrics and films* **CARBOHYDRATE POLYMERS**, 86, no. 2, (**2011),** p. 600-611, FI în 2011= 3,628. **DOI:**10.1016/j.carbpol.2011.04.080 Accession Number: **WOS:** 000294187400027 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000294187400027	Q1	Q1
	Criteriul impus NTOP ≥ 4	**NTOP = 9**	**NTOP = 8**
		Standard ÎNDEPLINIT	

Calculul punctajului aferent standardului NP

Nr. crt.	Lista articolelor ISI în calitate de autor principal sau autor de corespondență NP	Calitate de:	
		Autor principal	**Autor de corespondență**
1.	Valentina-Gabi Stănescu, **Vasilica Popescu***, Cristina Mihaela Rimbu, Gabriel Popescu* , Viorica Vasilache, Andrei Popescu, Mădălina Maria Popescu-Brezuleanu and Marius Pislaru, *Rational Design of Sustainable Multifunctional Textile Care Formulations Using Virgin and Waste Vegetable Oils*, **Textiles** 6, 94 (**2026**) https://doi.org/10.3390/textiles6030094 Accession Number: **WOS**:001889872000001 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001889872000001	-	½ Autor de corespondență
2.	**Vasilica Popescu,** Ana-Diana Alexandrescu, Gabriel Popescu, Viorica Vasilache *Eco-Friendly Extraction of Curcumin from Turmeric and Dyeability of Textile Fibers* **Fibers** *13(6),art. no. 73* (**2025**) https://doi.org/10.3390/fib13060073 Accession Number: **WOS**:001515473100001 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001515473100001	Autor principal	-
3.	Valentina-Gabi Stănescu, **Vasilica Popescu*,** Viorica Vasilache, Gabriel Popescu*, Cristina Mihaela Rimbu and Andrei Popescu *Cleaner Processes for Making Laundry Soap from Vegetable Oils and an Essential Oil* Applied Sciences (Appl. Sci.) 15(7), art. no., 3821, (**2025**), p.1-30 https://doi.org/10.3390/app15073821; Accession Number: **WOS:**001464849200001 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001464849200001	-	½ Autor de corespondență

4.	**Vasilica Popescu**, Marina Marin, Gabriel Popescu, Viorica Vasilache and Andrei Popescu *Green Chemistry in Hemp Dyeing,* **Fibers**, 14(6), art. no. 70 **(2026)** https://doi.org/10.3390/fib14060070 Accession Number: **WOS**: 001803435700001 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001803435700001	Autor principal	-
5.	**Popescu V.,** Blaga A.C., Pruneanu M., (...); Crețescu I., Cașcaval D. *Green chemistry in the extraction of natural dyes from colored food waste, for dyeing protein textile materials* **POLYMERS,** 13(22), **(2021).** DOI 10.3390/polym13223867 Accession Number: **WOS:** 000724797300001 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000724797300001	Autor principal	-
6.	**Vasilica Popescu***, Alexandra Cristina Blaga, Dan Cașcaval, Andrei Popescu *Beta vulgaris L. - A Source with a Great Potential in the Extraction of Natural Dyes Intended for the Sustainable Dyeing of Wool* **PLANTS,** 12, 1933 **(2023).** https://doi.org/10.3390/plants12101933 Accession Number: **WOS**: 000998274600001 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000998274600001	Autor principal	-
7.	**Popescu Vasilica *,** Petrea Marioara, Popescu Andrei *Multifunctional Finishing of Cotton with Compounds Derived from MCT-β-CD and Quantification of Effects Using MLR* Statistical Analysis **POLYMERS** MDPI, 13, no. 3, **(2021),** article no. 410, p.1-23. Accession Number: **WOS:** 000615458400001 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000615458400001	Autor principal	-

8.	**Popescu V*,** Bucișcanu I, Pruneanu M., (...); Crețescu Igor, Chelariu P, Marin M. *Sustainable functionalization of PAN to improve tinctorial capacity* **POLYMERS** 13, no.21, **(2021)**. DOI 10.3390/polym13213665 Accession Number: **WOS:** 000719009600001 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000719009600001	Autor principal	-
9.	**Popescu Vasilica***, Astanei Dragos-George, Burlica Radu, Popescu Andrei, Munteanu Corneliu, Ciolacu Florin, Ursache Mariana, Ciobanu Luminita, Cocean Alexandru *Sustainable and cleaner microwave-assisted dyeing process for obtaining eco-friendly and fluorescent acrylic knitted fabrics* **JOURNAL OF CLEANER PRODUCTION,** 232, **(2019),** p. 451-461. DOI 10.1016/j.jclepro.2019.05.281 Accession Number: **WOS:** 000477784000042 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000477784000042	Autor principal	-
10.	**Popescu Vasilica,** a SanduIrina Crina Anca, Popescu Gabriel * *Study of cotton grafting with hemiacetal - MCT-β-CD derivative using fourier transform infrared spectroscopy and statistical analysis* **REV.CHIM.(Bucharest),** 68, no. 9, **(2017**), p. 2055-2059). Accession Number: **WOS:** 000416748800022 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000416748800022	Autor principal	-
11.	**Popescu Vasilica,** Popescu Gabriel *, Sandu Irina Crina Anca *Highlighting a cotton grafting process using the spectral subtraction method and statistical analysis* **REV.CHIM. (Bucharest),** 68 , no. 8, **(2017**), p. 1884-1889. Accession Number: **WOS:** 000410388000043 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000410388000043	Autor principal	-
12.	**Popescu Vasilica,** Sandu Irina Crina Anca, Popescu Gabriel * *Study of textile materials behavior at dyeing with colored aqueous extract obtained by boiling peels,*	Autor principal	-

	arils and seeds of punica granatum: spectroscopic, colorimetric and statistic evaluations **REV. CHIM. (Bucharest),** 67, no. 12, **(2016),** p. 2454-2459. Accession Number: **WOS:** 000393230400016 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000393230400016		
13.	**Popescu Vasilica,** Sandu Irina Crina Anca, Popescu Gabriel * *FTIR analysis for studying the possibility of grafting onto cotton of some compounds resulted from interaction of carbonyl compounds with monochlorotriazinyl-β-cyclodextrin* **REV. CHIM. (Bucharest),** 67, no. 11, **(2016),** p. 2184. Accession Number: **WOS:** 000388361900011 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000388361900011	Autor principal	-
14.	**Popescu Vasilica ***, Sandu Irina Crina Anca, Popescu Gabriel *FTIR spectroscopic, colorimetric and statistic evaluations of textile materials dyed with crude extract obtained by macerating pomegranate peels* **REV. CHIM. (Bucharest),** 67, no. 10, **(2016),** p.1994- 2000. Accession Number: **WOS:** 000388359900021 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000388359900021	Autor principal	-
15.	**Popescu Vasilica ***, Sandu Irina Crina Anca, Popescu Gabriel *Influence of parameters of polycondensation stage on ethyl chitosan grafting on cotton* **REV. CHIM. (Bucharest),** 67, no. 4, **(2016),** p.768- 773. Accession Number: **WOS:** 000376549200037 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000376549200037	Autor principal	-
16.	**Popescu Vasilica,** Muresan Augustin*, Popescu Gabriel, Balan Mihaela, Dobromir Marius *Ethyl chitosan synthesis and quantification of the effects acquired after grafting it on a cotton fabric, using ANOVA statistical analysis* **CARBOHYDRATE POLYMERS,** 138, (**2016),** p. 94–105. Accession Number: **WOS:** 000368096400012 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-	Autor principal	-

	record/WOS:000368096400012		
17.	**Popescu Vasilica *,** Pui Aurel, Sandu Irina Crina Anca, Popescu Gabriel *Eco-friendly dyeings of textiles with extract from pomegranate arils with seedsspectroscopic, colorimetric and statistical assessment* **REV. CHIM. (Bucharest),** 67, no. 2, (**2016),** p.270-275. Accession Number: **WOS:** 000372170700015 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000372170700015	Autor principal	-
18.	**Popescu Vasilica *,** Sandu Irina Crina Anca, Popescu Gabriel *Colorimetric evaluation of chemical modifications generated by pan functionalization in acid/ basic medium and grafting with chitosan* **REV. CHIM. (Bucharest),** vol. 67, no. 1, **(2016),** p.74-80. Accession Number: **WOS:** 000369524300017 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000369524300017	Autor principal	-
19.	**Popescu Vasilica *,** Sandu Irina Crina Anca, Popescu Gabriel *Analysis of the behaviour of PAN functionalized with basic compounds, during dyeing process with acid dyes* **REV. CHIM. (Bucharest),** 66, no. 12, **(2015),** p.1997- 2004. Accession Number: **WOS:** 000368437100017 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000368437100017	Autor principal	-
20.	**Popescu Vasilica *,** Irina Crina Anca Sandu, Gabriel Popescu, Alexandru Popa, Cezar–Doru Radu *Colorimetric Answer of Monochlorotriazinyl-β- cyclodextrin Grafted onto PAN Support Chemical Modified with NaOH and Amines* **REV. CHIM. (Bucharest),** 66, no. 11, **(2015)**, p. 1765-1771. Accession Number: **WOS:** 000368213500011 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000368213500011	Autor principal	-
21.	**Popescu Vasilica *,** Sandu Irina Crina Anca, Popescu Gabriel, Lisa Gabriela, Popa Alexandru	Autor principal	-

	Study of the Effects by Tinctorial Method Obtained at Polyethylene Terephtalate Functionalization with Alcohols **REV. CHIM. (Bucharest),** 66, no. 10, **(2015)**, p. 1607-1613. Accession Number: **WOS:** 000368436300014 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000368436300014		
22.	**Popescu Vasilica*,** Mureşan Augustin, Constandache Ovidiu, Lisă Gabriela, Mureşan Emil Ioan, Munteanu Corneliu, Sandu Ion *Tinctorial response of recycled pet fibers to chemical modifications during saponification and aminolysis reactions* **INDUSTRIAL ENGINEERING CHEMISTRY RESEARCH,** *53,* no. 43, (**2014),** p.16652–16663. **DOI:** 10.1021/ie5028974 Accession Number: WOS: 000344042700007 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000344042700007	Autor principal	-
23.	**Popescu, Vasilica** *,Vasluianu, Ecaterina, Gabriel, Popescu *Quantitative analysis of the multifunctional finishing of cotton fabric with non-formaldehyde agents* **CARBOHYDRATE POLYMERS,** 111, (**2014),** p. 870–882. **DOI:** 10.1016/j.carbpol.2014.05.052 Accession Number: **WOS:** 000340302100106 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000340302100106	Autor principal	-
24.	**Popescu Vasilica*,** Sandu Ioan Gabriel, Vasluianu Ecaterina, Sandu Ion, Manea Liliana Rozemarie, Campagne Cristine *Effects of chitosan grafting onto cotton fabric pretreated with a tetrol* **REVISTA DE CHIMIE**, 65, no. 12, **(2014),** p. 1439-1447 Accession Number: **WOS:** 000345946400009 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000345946400009	Autor principal	-

25.	Constandache Tatiana, Cerempei Angela, Mureşan Emil-Ioan, **Popescu Vasilica*,** Drobotă Mioara, Sandu Ion *Modified organic pigments used in polypropylene coloration* **REVISTA DE CHIMIE**, 65, no. 8, (**2014)**, p. 892-896. Accession Number: **WOS:** 000340867000006 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000340867000006	-	Autor de corespondență
26.	**Popescu Vasilica*,** Sandu Ion *Multifunctional finishing with tetrol and monochlortriazinil - β-cyclodextrine* **REVISTA DE CHIMIE,** 65, no. 7, (**2014),** p. 811-818. Accession Number: **WOS:** 000345545600015 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000345545600015	Autor principal	-
27.	**Popescu Vasilica*,** Sandu Ion, Mureşan Emil Ioan, Istrate Bogdan, Lisă Gabriela *Effects of the pre-treatment with atmospheric - air plasma followed by conventional finishing* **REVISTA DE CHIMIE,** 65, no. 6, (**2014),** p. 676-683. Accession Number: **WOS:**000339140400010 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000339140400010	Autor principal	-
28.	**Popescu Vasilica***, Vasluianu Ecaterina, Forna Norina-Consuela, Sandu Ion, Bercu Elena *Comparative study of the FTIR analysis and the performances of N,N,N-trimethyl chitosan as wrinkle-proofing agent* **REVISTA DE CHIMIE,** 64, no. 11, (**2013)**, p. 1284-1294. Accession Number: **WOS**: 000328441600015 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000328441600015	Autor principal	-
29.	Vasluianu Ecaterina, **Popescu Vasilica***, Grigoriu Aurelia, Forna Norina Consuela, Sandu Ion *Comparative study concerning the FTIR analysis and the performances of chitosan-based wrinkle-proofing agents* **REVISTA DE CHIMIE**, 64, no. 10, (**2013),** p. 1104-1115. Accession Number: **WOS:** 000327577600010 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-	-	Autor de corespondență

	record/WOS:000327577600010		
30.	**Popescu Vasilica***, Mureşan Emil Ioan *Performances of chitosan grafted onto surface of polyacrylonitrile functionalized through amination reactions* **INDUSTRIAL ENGINEERING CHEMISTRY RESEARCH,** 52, no. 37, (**2013)**, p. 13252-13263. **DOI:** 10.1021/ie401494a Accession Number: **WOS:** 000330080100003 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000330080100003	Autor principal	-
31.	**Popescu Vasilica***, Manea Liliana Rozemarie, Sandu Ioan Gabriel, Chirculescu Andreea Irina, Sandu Ion *Eco-friendly phisico-chemical stimuli and their impact upon the tinctorial capacity of acrylic fibres* **REVISTA DE CHIMIE**, 64, no. 3, (**2013),** p. 281-286. Accession Number: **WOS:** 000319179300014 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000319179300014	Autor principal	-
32.	**Popescu Vasilica***, Mureşan Emil Loan, Grigoriu Ana-Maria *Monochlorotriazinyl-beta-cyclodextrin grafting onto polyester fabrics and films* **CARBOHYDRATE POLYMERS**, 86, no. 2, (**2011),** p. 600-611. **DOI:**10.1016/j.carbpol.2011.04.080 Accession Number: **WOS:** 000294187400027 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000294187400027	Autor principal	-
33.	**Popescu Vasilica***, Manea Liliana-Rozemarie, Curteza Antonela, Vasluianu Ecaterina *Non-conventional method for the levelling dyeing of the acrylic fibers with cationic dyestuffs* **TEKSTIL**, 60, no. 7, (**2011),** p. 306-312. Accession Number: **WOS:** 000317085700003 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000317085700003	Autor principal	-
34.	**Popescu Vasilica***, Radu Cezar Doru, Manea Liliana Rozemarie *Effects of the changes caused by certain chemical pretreatments performed on acrylic polymers (Efectele modificărilor generate de anumite pretratamente chimice effectuate pe polimeri acrilici)*	Autor principal	-

	INDUSTRIA TEXTILĂ, 61, no. 1, (**2010)**, p. 23-30. **Factor impact în anul publicării: 0,853** Accession Number: **WOS**: 000275256000005 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000275256000005		
35.	**Popescu Vasilica*,** Manea Liliana Rozemarie, Amariei Nicuşor *Determination of the factors influencing the flame retardant efficiency of the protection - dyed cellulose materials using the analysis of variances* MATERIALE PLASTICE, 46, no. 1, (2009), p. 95-100, cotată ISI începând cu anul 2009, dar cu FI=0.0. Accession Number: **WOS:** 000265431100018 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000265431100018	Autor principal	-
	Standardul impus NP ≥ 20	**31 articole ca autor principal**	**4 articole ca autor de corespondență**
		Total realizări, NP = 35	
		Standard ÎNDEPLINIT	

Calculul punctajului aferent standardului FIC (Factor de Impact Cumulat)

Nr. crt.	***Lista articolelor pentru calculul punctajului aferent standardului FIC***	**În anul publicării**		**La momentul înscrierii în concurs**	
		Factor de impact în anul publicării	Punctaj în anul publicării	Factor de impact 2025/2026	Punctaj 2025/2026
1.	Valentina-Gabi Stănescu, **Vasilica Popescu***, Cristina Mihaela Rimbu, Gabriel Popescu* , Viorica Vasilache, Andrei Popescu, Mădălina Maria Popescu-Brezuleanu and Marius Pislaru,	4.8	0.6	4.8	0.6

	Rational Design of Sustainable Multifunctional Textile Care Formulations Using Virgin and Waste Vegetable Oils, **Textiles** 6, 94 (**2026**) https://doi.org/10.3390/textiles6030094 Accession Number: **WOS**:001889872000001 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001889872000001				
2.	**Vasilica Popescu,** Ana-Diana Alexandrescu, Gabriel Popescu, Viorica Vasilache *Eco-Friendly Extraction of Curcumin from Turmeric and Dyeability of Textile Fibers* **Fibers** *13(6),art. no. 73* (**2025**) https://doi.org/10.3390/fib13060073 Accession Number: **WOS**:001515473100001 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001515473100001	4.2	4.2	4.2	4.2
3.	Valentina-Gabi Stănescu, **Vasilica Popescu*,** Viorica Vasilache, Gabriel Popescu*, Cristina Mihaela Rimbu and Andrei Popescu *Cleaner Processes for Making Laundry Soap from Vegetable Oils and an Essential Oil* Applied Sciences (Appl. Sci.) 15(7), art. no., 3821, (**2025**), p.1-30 https://doi.org/10.3390/app15073821; Accession Number: **WOS:**001464849200001 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001464849200001	2.9	0.483	2.9	0.483
4.	**Vasilica Popescu**, Marina Marin, Gabriel Popescu, Viorica Vasilache and Andrei Popescu *Green Chemistry in Hemp Dyeing,* **Fibers**, 14(6), art. no. 70 **(2026)** https://doi.org/10.3390/fib14060070 Accession Number: **WOS**: 001803435700001 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001803435700001	4.2	4.2	4.2	4.2
5.	Pruneanu, R., Pruneanu, M., Maier, S. S., **Popescu, V**., Maier, V., Vasilache, V., Timpu, D., and Ciolacu, D. E. (2026). Structure–Property Relationships in Periodate Oxidized	4.8	0.6	4.8	0.6

	Cotton Fabrics: Role of Textile Pretreatments. *Textiles*, *6*(2), 45. https://doi.org/10.3390/textiles6020045				
6.	**Vasilica Popescu***, Alexandra Cristina Blaga, Dan Cașcaval, Andrei Popescu *Beta vulgaris L. - A Source with a Great Potential in the Extraction of Natural Dyes Intended for the Sustainable Dyeing of Wool* **PLANTS,** 12, 1933 **(2023)** https://doi.org/10.3390/plants12101933 Accession Number: **WOS**:000998274600001 https://161095x28-y-https-www-scopus-com.z.e-nformation.ro/record/display.uri?eid=2-s2.0-85160672081&origin=resultslist&sort=plf-f	4.658	4.658	4.7	4.7
7.	Diana Serbezeanu, Tachita Vlad-Bubulac, Mihaela Dorina Onofrei, Florica Doroftei, Corneliu Hamciuc, Alina-Mirela Ipate, Alexandru Anisiei, Gabriela Lisa, Ion Anghel, Ioana-Emilia Sofran and **Vasilica Popescu** *Phosphorylated Poly(vinyl alcohol) Electrospun Mats for Protective Equipment Applications* **NANOMATERIALS**, *12(15),* **(2022),** *article no. 2685* Accession Number: **WOS**:000839843600001 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000839843600001	5.719	0.519	4,8	0.44
8.	**Popescu Vasilica *,** Petrea Marioara, Popescu Andrei *Multifunctional Finishing of Cotton with Compounds Derived from MCT-β-CD and Quantification of Effects Using MLR* Statistical Analysis **POLYMERS** MDPI, 13, no.3, **(2021),** article no.410, p.1-23. Accession Number: **WOS:** 000615458400001 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000615458400001	4.967	4.967	5.8	5.8
9.	Cocean Alexandru, Cocean Iuliana, Cimpoesu Nicanor *, Cocean Georgiana, Cimpoesu Ramona, Postolachi Cristina, **Popescu Vasilica**, Gurlui Silviu* *Laser induced method to produce curcuminoid-silanol thin films for transdermal patches using irradiation of turmeric target* **APPLIED SCIENCE,** 11, 4030, **(2021)**, p.1-12. Accession Number: **WOS:** 000649866400001 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000649866400001	2.838	0.354	2.9	0.36
10	**Popescu V.*,** Bucișcanu I, Pruneanu M., (...), Cretescu I., Chelariu P., Marin M.	4.967	4.967	5.8	5.8

	Sustainable functionalization of PAN to improve tinctorial capacity **POLYMERS,** 13, no. 21, **(2021)**. Accession Number: **WOS: 000719009600001** https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000719009600001				
11	**Popescu V*.,** Blaga A.C., Pruneanu M., (...), Crețescu I., Cașcaval D. *Green chemistry in the extraction of natural dyes from colored food waste, for dyeing protein textile materials* **POLYMERS,** 13, no. 22, **(2021)**. Accession Number: **WOS:** 000724797300001 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000724797300001	4.967	4.967	5.8	5.8
12	**Popescu Vasilica***, Astanei Dragos-George, Burlica Radu, Popescu Andrei, Munteanu Corneliu, Ciolacu Florin, Ursache Mariana, Ciobanu Luminita, Cocean Alexandru *Sustainable and cleaner microwave-assisted dyeing process for obtaining eco-friendly and fluorescent acrylic knitted fabrics* **JOURNAL OF CLEANER PRODUCTION,** 232, **(2019)**, p. 451-461. Accession Number: **WOS:** 000477784000042 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000477784000042	7.246	7.246	10.7	10.7
13	**Popescu Vasilica,** Sandu Irina Crina Anca, Popescu Gabriel * *Study of cotton grafting with hemiacetal - MCT-β-CD derivative using fourier transform infrared spectroscopy and statistical analysis* **REV.CHIM.(Bucharest),** 68, no. 9 **(2017)**, p. 2055-2059. Accession Number: **WOS:** 000416748800022 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000416748800022	1.412	1.412	0	0
14	**Popescu Vasilica,** Popescu Gabriel*, Sandu Irina Crina Anca *Highlighting a cotton grafting process using the spectral subtraction method and statistical analysis,* **REV.CHIM. (Bucharest),** 68, no. 8, **(2017)**, p. 1884-1889. Accession Number: **WOS:** 000410388000043	1.412	1.412	0	0

	https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000410388000043				
15	Vasilescu Vlad Gabriel, Sandu Ion, Nemțoi Gheorghe, Sandu Andrei Victor, **Popescu Vasilica,** Vasilache Viorica, Sandu Ioan Gabriel, Vasilescu Elisabeta *The reactivity of Ti10Zr alloy in biological and electrochemical systems in the presence of chitosan* **RSC ADVANCES**, 7, no. 33 **(2017),** p. 20146-20146. Accession Number: **WOS:** 000396012500033 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000396012500033	2.936	0.367	6.1	0.76
16	**Popescu Vasilica,** Sandu Irina Crina Anca, Popescu Gabriel * *Study of textile materials behavior at dyeing with colored aqueous extract obtained by boiling peels, arils and seeds of punica granatum: spectroscopic, colorimetric and statistic evaluations* **REV. CHIM. (Bucharest),** 67, no. 12, **(2016),** p. 2454-2459. Accession Number: **WOS:** 000393230400016 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000393230400016	1.232	1.232	0	0
17	**Popescu Vasilica,** Sandu Irina Crina Anca, Popescu Gabriel * *FTIR analysis for studying the possibility of grafting onto cotton of some compounds resulted from interaction of carbonyl compounds with monochlorotriazinyl-β-cyclodextrin* **REV. CHIM. (Bucharest),** 67, no. 11, **(2016),** p. 2184-2189. Accession Number: **WOS:** 000388361900011 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000388361900011	1.232	1.232	0	0
18	**Popescu Vasilica ***, Sandu Irina Crina Anca, Popescu Gabriel *FTIR spectroscopic, colorimetric and statistic evaluations of textile materials dyed with crude extract obtained by macerating pomegranate peels* **REV. CHIM. (Bucharest),** 67, no. 10, **(2016),** p.1994- 2000. Accession Number: **WOS:** 000388359900021 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000388359900021	1.232	1.232	0	0

19	**Popescu Vasilica***, Sandu Irina Crina Anca, Popescu Gabriel *Influence of parameters of polycondensation stage on ethyl chitosan grafting on cotton* **REV. CHIM. (Bucharest),** 67, no. 4, **(2016),** p.768- 773. Accession Number: **WOS:** 000376549200037 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000376549200037	1.232	1.232	0	0
20	**Popescu Vasilica,** Muresan Augustin*, Popescu Gabriel, Balan Mihaela, Dobromir Marius *Ethyl chitosan synthesis and quantification of the effects acquired after grafting it on a cotton fabric, using ANOVA statistical analysis* **CARBOHYDRATE POLYMERS,** 138, (**2016),** p. 94–105. Accession Number: **WOS:** 000368096400012 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000368096400012	4.811	4.811	10.723	10.723
21	**Popescu Vasilica*,** Pui Aurel, Sandu Irina Crina Anca, Popescu Gabriel *Eco-friendly dyeings of textiles with extract from pomegranate arils with seeds spectroscopic, colorimetric and statistical assessment* **REV. CHIM. (Bucharest),** 67, no.2, (**2016),** p.270-275. Accession Number: **WOS:** 000372170700015 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000372170700015	1.232	1.232	0	0
22	**Popescu Vasilica*,** Sandu Irina Crina Anca, Popescu Gabriel *Colorimetric evaluation of chemical modifications generated by PAN functionalization in acid/ basic medium and grafting with chitosan* **REV. CHIM. (Bucharest),** 67, no. 1, **(2016),** p.74-80. Accession Number: **WOS:** 000369524300017 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000369524300017	1.232	1.232	0	0
23	**Popescu Vasilica*,** Sandu Irina Crina Anca, Popescu Gabriel *Analysis of the behaviour of PAN functionalized with basic compounds, during dyeing process with acid dyes* **REV. CHIM. (Bucharest),** 66, no. 12, **(2015),** p.1997- 2004. Accession Number: **WOS:** 000368437100017	0.956	0.956	0	0

	https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000368437100017				
24	**Popescu Vasilica*,** Irina Crina Anca Sandu, Gabriel Popescu, Alexandru Popa, Cezar–Doru Radu *Colorimetric Answer of Monochlorotriazinyl-β- cyclodextrin Grafted onto PAN Support Chemical Modified with NaOH and Amines* **REV. CHIM. (Bucharest),** 66, no. 11, **(2015)**, p. 1765-1771. Accession Number: **WOS:** 000368213500011 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000368213500011	0.956	0.956	0	0
25	**Popescu Vasilica*,** Sandu Irina Crina Anca, Popescu Gabriel, Lisa Gabriela, Popa Alexandru *Study of the Effects by Tinctorial Method Obtained at Polyethylene Terephtalate Functionalization with Alcohols* **REV. CHIM. (Bucharest),** 66, no. 10, **(2015)**, p. 1607-1613. Accession Number: **WOS:** 000368436300014 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000368436300014	0.956	0.956	0	0
26	Manea Liliana Rozemarie, Cramariuc Bogdan, Cramariuc Radu, Scarlet Roxana, Sandu Ion*, **Popescu Vasilica** *Equipment for obtaining polimeric nanofibers by electrospinning technology, II. The obtaining polimeric nanofiber* **MATERIALE PLASTICE,** 52, no. 2, **(2015),** p. 180-185. Accession Number: **WOS:** 000357767900011 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000357767900011	0.903	0.1505	0.8	0.133
27	**Popescu Vasilica*,** Mureşan Augustin, Constandache Ovidiu, Lisă Gabriela, Mureşan Emil Ioan, Munteanu Corneliu, Sandu Ion *Tinctorial response of recycled pet fibers to chemical modifications during saponification and aminolysis reactions* **INDUSTRIAL ENGINEERING CHEMISTRY RESEARCH,** *53,* no. 43 (**2014),** p.16652–16663.	2.587	2.587	3.9	3.9

	Accession Number: **WOS:** 000344042700007 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000344042700007				
28	**Popescu, Vasilica***,Vasluianu, Ecaterina, Gabriel, Popescu *Quantitative analysis of the multifunctional finishing of cotton fabric with non-formaldehyde agents* **CARBOHYDRATE POLYMERS,** 111, (**2014),** p. 870–882. Accession Number: **WOS:** 000340302100106 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000340302100106	4.074	4.074	13.2	13.2
29	**Popescu Vasilica*,** Sandu Ioan Gabriel, Vasluianu Ecaterina, Sandu Ion, Manea Liliana Rozemarie, Campagne Cristine *Effects of chitosan grafting onto cotton fabric pretreated with a tetrol* **REVISTA DE CHIMIE**, 65, no. 12, (**2014),** p. 1439-1447. Accession Number: **WOS:** 000345946400009 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000345946400009	0.810	0.810	0	0
30	Brănişteanu Daciana-Elena, Agafiţei Gheorghe, Sandu Ion, Parteni Oana, **Popescu Vasilica,** Nichifor Marieta, Radu Cezar-Doru* *Wearing behaviour of a poliamide matrix to delivering bioactive - Principles in dermatic disorders* **REVISTA DE CHIMIE**, 65, no.11 (**2014),** p. 1357-1362. Accession Number: **WOS:** 000345946300021 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000345946300021	0.810	0.1157	0	0
31	Mureşan Emil Ioan*, **Popescu Vasilica**, Sandu Ion *Synthesis and characterization of hierarchical metallosilicate macrospherical catalysts* **REVISTA DE CHIMIE**, 65, no. 9, (**2014)**, p. 1029-1035. Accession Number: **WOS:** 000343965900008 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000343965900008	0.810	0.27	0	0
32	Bălan Gina, Mureşan Emil Ioan, **Popescu Vasilica,** Cerempei Angela*, Mureşan Augustin,	0.810	0.135	0	0

	Sandu Ion *Alternative hydrophobic treatments applied on dyed fabrics* **REVISTA DE CHIMIE**, 65, nr. 9, (**2014)**, p.1052-1057. Accession Number: **WOS:** 000343965900013 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000343965900013				
33	Constandache Tatiana, Cerempei Angela, Mureşan Emil-Ioan, **Popescu Vasilica*,** Drobotă Mioara, Sandu Ion *Modified organic pigments used in polypropylene coloration* **REVISTA DE CHIMIE**, 65, no. 8, (**2014)**, p. 892-896. Accession Number: **WOS:** 000340867000006 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000340867000006	0.810	0.810	0	0
34	**Popescu Vasilica*,** Sandu Ion *Multifunctional finishing with monochlorotriazine β-cyclodextrin and tetrol* **REVISTA DE CHIMIE,** 65, no. 7, **(2014),** p. 811-818. Accession Number: **WOS:**000345545600015 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000345545600015	0.810	0.810	0	0
35	**Popescu Vasilica*,** Sandu Ion, Mureşan Emil Ioan, Istrate Bogdan, Lisă Gabriela *Effects of the pre-treatment with atmospheric - air plasma followed by conventional finishing* **REVISTA DE CHIMIE,** 65, no. 6, (**2014),** p. 676-683. Accession Number: **WOS:**000339140400010 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000339140400010	0.810	0.810	0	0
36	Bercu E., Diaconescu R*., Balan A., Sandu I., **Popescu V**., Cioloca D., Toma V. *Interaction of the anionic polyelectrolytes with crystal violet of the dyeing process of Melana fibres statistic modelling and optimization* **MATERIALE PLASTICE,** 51, no. 1, **(2014)**, p. 22-27. Accession Number**: WOS:** 000333795300005 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-	0.824	0.1177	0.8	0.114

	record/WOS:000333795300005				
37	**Popescu Vasilica***, Vasluianu Ecaterina, Forna Norina-Consuela, Sandu Ion, Bercu Elena *Comparative study of the FTIR analysis and the performances of N,N,N-trimethyl chitosan as wrinkle-proofing agent* **REVISTA DE CHIMIE,** 64, no.11, (**2013)**, p. 1284-1294. Accession Number: **WOS**: 000328441600015 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000328441600015	0.677	0.677	0	0
38	Vasluianu Ecaterina, **Popescu Vasilica***, Grigoriu Aurelia, Forna Norina Consuela, Sandu Ion *Comparative study concerning the FTIR analysis and the performances of chitosan-based wrinkle-proofing agents* **REVISTA DE CHIMIE**, 64, no.10, (**2013),** p. 1104-1115. Accession Number: **WOS:** 000327577600010 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000327577600010	0.677	0.677	0	0
39	**Popescu Vasilica***, Mureşan Emil Ioan *Performances of chitosan grafted onto surface of polyacrylonitrile functionalized through amination reactions* **INDUSTRIAL ENGINEERING CHEMISTRY RESEARCH,** 52, no. 37, (**2013)**, p. 13252-13263. Accession Number: **WOS:** 000330080100003 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000330080100003	2.235	2.235	3.9	3.9
40	Mureşan Emil Ioan*, Bălan Gina, **Popescu Vasilica** *Durable hydrophobic treatment of cotton fabrics with glycidyl stearate* **INDUSTRIAL ENGINEERING CHEMISTRY RESEARCH,** 52, no.18, (**2013),** p. 6270-6276. Accession Number: **WOS:** 000318838900023 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000318838900023	2.235	0.745	3.9	1.3
41	**Popescu Vasilica***, Manea Liliana Rozemarie, Sandu Ioan Gabriel, Chirculescu Andreea	0.677	0.677	0	0

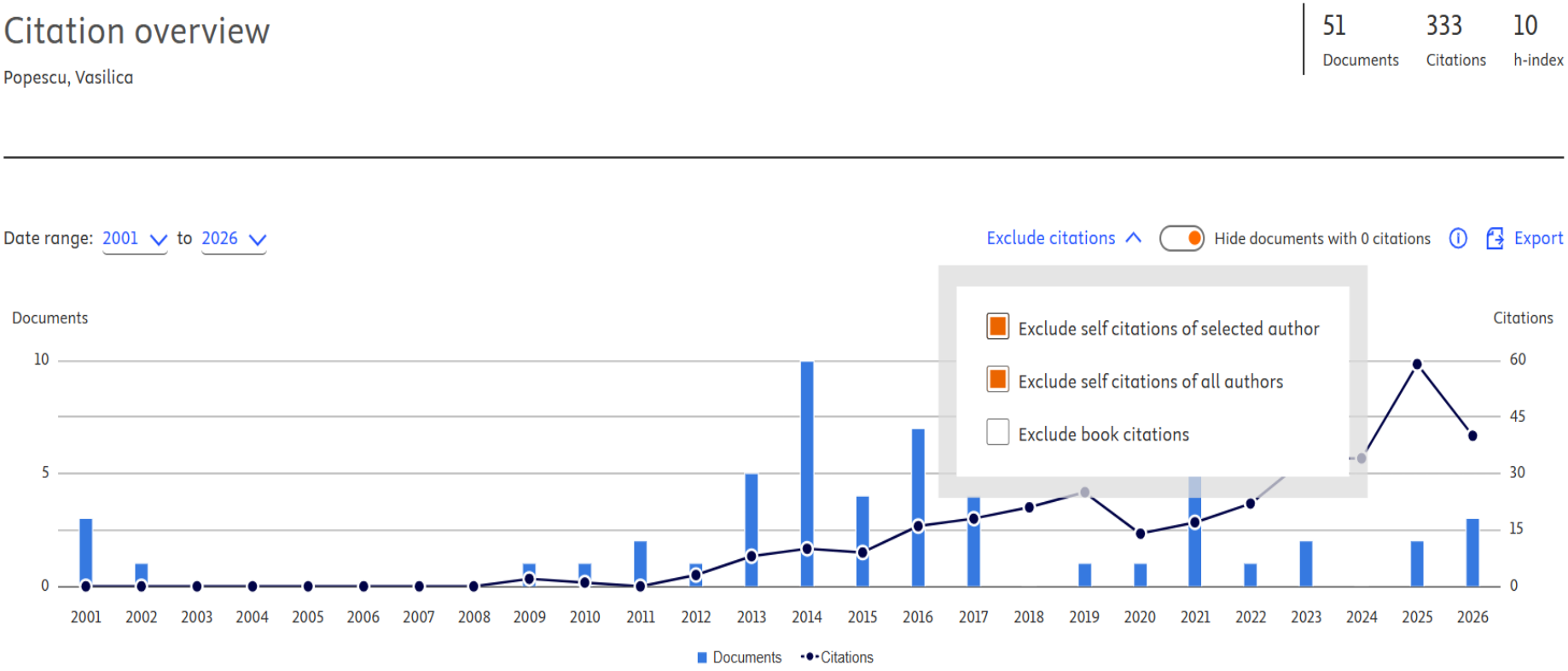
	Irina, Sandu Ion *Eco-friendly phisico-chemical stimuli and their impact upon the tinctorial capacity of acrylic fibres* **REVISTA DE CHIMIE**, 64, no.3, (**2013),** p. 281-286. Accession Number: **WOS:** 000319179300014 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000319179300014				
42	Bercu Elena, Diaconescu Rodica-Mariana*, Radu Cezar-Doru, **Popescu Vasilica** *New maleic copolymers used in the PAN fibres restoration spectral remission measurements* **EUROPEAN JOURNAL OF SCIENCE AND THEOLOGY**, 8, no. 4, **(2012),** p. 247-258. Accession Number: **WOS**: 000312968400023 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000312968400023	0.389	0.097	0.3	0.075
43	**Popescu Vasilica***, Mureşan Emil Loan, Grigoriu Ana-Maria *Monochlorotriazinyl-beta-cyclodextrin grafting onto polyester fabrics and films* **CARBOHYDRATE POLYMERS**, 86, no.2, (**2011),** p. 600-611. Accession Number: **WOS:** 000294187400027 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000294187400027	3.628	3.628	13.2	13.2
44	**Popescu Vasilica***, Manea Liliana-Rozemarie, Curteza Antonela, Vasluianu Ecaterina *Non-conventional method for the levelling dyeing of the acrylic fibers with cationic dyestuffs* **TEKSTIL**, vol. 60, no. 7, (**2011),** p. 306-312. Accession Number: **WOS:** 000317085700003 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000317085700003	0.086	0.086	0	0
45	**Popescu Vasilica***, Radu Cezar Doru, Manea Liliana Rozemarie *Effects of the changes caused by certain chemical pretreatments performed on acrylic polymers* **INDUSTRIA TEXTILĂ,** 61, no.1, (**2010**), p. 23-30. Accession Number: **WOS**: 000275256000005 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-	0.853	0.853	1	1

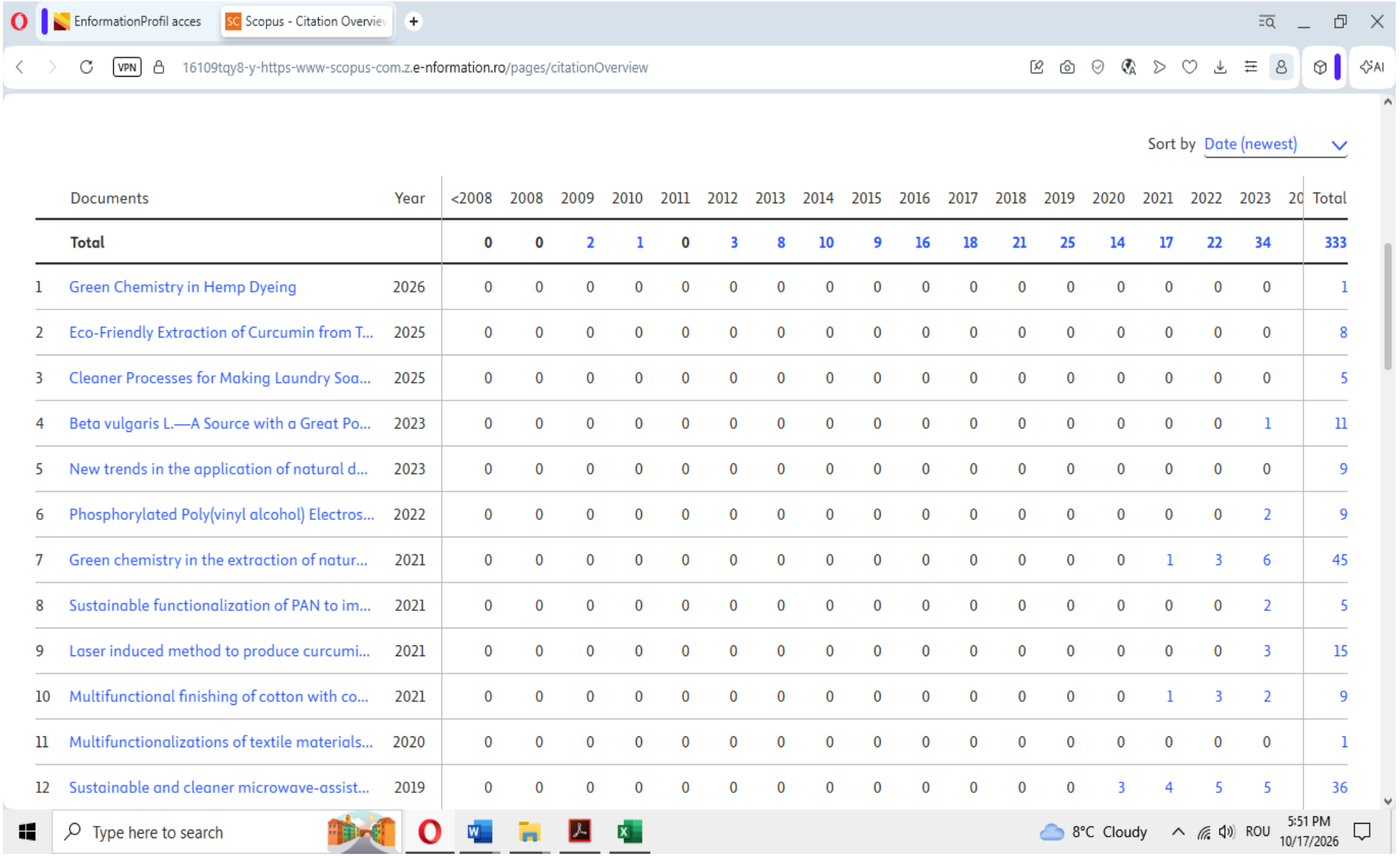
	record/WOS:000275256000005				
46	**Popescu Vasilica*,** Manea Liliana Rozemarie, Amariei Nicuşor *Determination of the factors influencing the flame retardant efficiency of the protection - dyed cellulose materials using the analysis of variances* **MATERIALE PLASTICE**, 46, no. 1, **(2009),** p. 95-100, indexată ISI dar cu FI în 2009= 0. Accession Number: **WOS:** 000265431100018 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000265431100018	0	0	0.8	0.8
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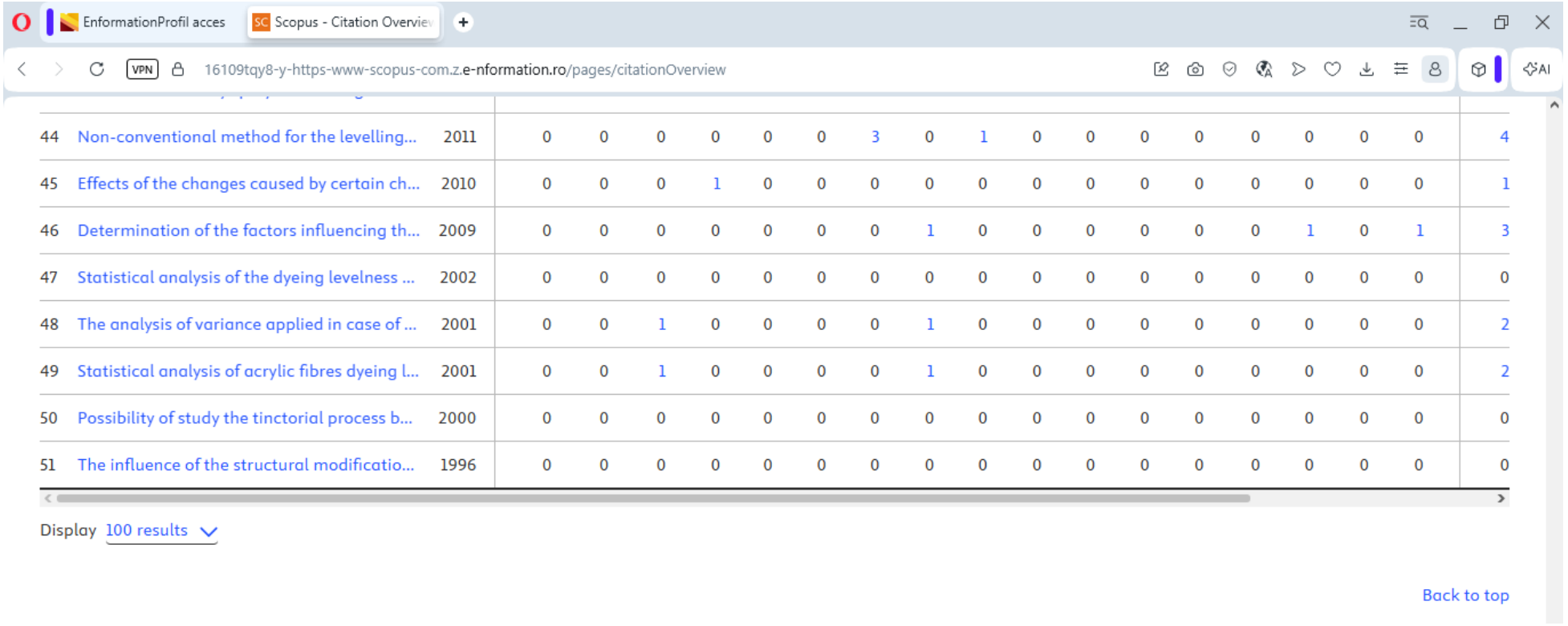
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2	Eco-Friendly Extraction of Curcumin from T...	2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		8
3	Cleaner Processes for Making Laundry Soa...	2025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		5
4	Beta vulgaris L.—A Source with a Great Po...	2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		11
5	New trends in the application of natural d...	2023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		9
6	Phosphorylated Poly(vinyl alcohol) Electros...	2022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		9
7	Green chemistry in the extraction of natur...	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6		45
8	Sustainable functionalization of PAN to im...	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		5
9	Laser induced method to produce curcumi...	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3		15
10	Multifunctional finishing of cotton with co...	2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	2		9
11	Multifunctionalizations of textile materials...	2020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1
12	Sustainable and cleaner microwave-assist...	2019	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	5	5		36



13	Study of cotton grafting with hemiacetal-...	2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
14	Highlighting a cotton grafting process usi...	2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
15	The reactivity of Ti10Zr alloy in biological a...	2017	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	4
16	Study of textile materials behavior at dyein...	2016	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
17	FTIR analysis for studying the possibility of...	2016	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
18	Influence of parameters of polycondensati...	2016	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	3
19	Ethyl chitosan synthesis and quantificatio...	2016	0	0	0	0	0	0	0	0	0	0	0	3	1	1	0	0	0	6
20	Eco-friendly dyeings of textiles with extract...	2016	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	5
21	FTIR spectroscopic, colorimetric and statis...	2016	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	1	0	6
22	Colorimetric evaluation of chemical modifi...	2016	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	4
23	Colorimetric answer of Monochlorotriaziny...	2015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Study of the effects by tinctorial method o...	2015	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
25	Equipment for obtaining polimeric nanofib...	2015	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	3
26	Analysis of the behaviour of PAN functiona...	2015	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
27	Effects of chitosan Grafting Onto Cotton fa...	2014	0	0	0	0	0	0	0	0	1	3	1	0	0	0	0	0	0	5
28	Wearing behaviour of a polyamide matrix ...	2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



29	Tinctorial response of recycled pet fibers t...	2014	0	0	0	0	0	0	0	0	0	1	1	2	2	0	2	5	2	21
30	Quantitative analysis of the multifunction...	2014	0	0	0	0	0	0	0	0	0	1	1	2	0	2	1	0	0	8
31	Synthesis and characterization of hierarchi...	2014	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
32	Alternative hydrophobic treatments applie...	2014	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2
33	Multifunctional finishing with monochloro...	2014	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
34	Modified organic pigments used in polypro...	2014	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
35	Effects of the pre-treatment with atmosph...	2014	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	4
36	Interaction of the anionic polyelectrolytes ...	2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Performances of chitosan grafted onto sur...	2013	0	0	0	0	0	0	0	2	2	0	1	0	2	2	0	1	1	13
38	Durable hydrophobic treatment of cotton f...	2013	0	0	0	0	0	0	0	2	0	2	0	2	4	3	2	1	3	20
39	Comparative study of the FTIR analysis an...	2013	0	0	0	0	0	0	0	0	0	1	1	0	7	0	0	1	2	12
40	Comparative study concerning the FTIR an...	2013	0	0	0	0	0	0	0	1	0	0	3	0	7	0	1	0	1	13
41	Eco-friendly phisico-chemical stimuli and t...	2013	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
42	New maleic copolymers used in the pan fib...	2012	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
43	Monochlorotriazinyl-β-cyclodextrin graftin...	2011	0	0	0	0	0	3	3	2	0	2	2	3	1	2	1	0	1	22
44	Non-conventional method for the levelling...	2011	0	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	0	4



44	Non-conventional method for the levelling...	2011	0	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	4
45	Effects of the changes caused by certain ch...	2010	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
46	Determination of the factors influencing th...	2009	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	3
47	Statistical analysis of the dyeing levelness ...	2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	The analysis of variance applied in case of ...	2001	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
49	Statistical analysis of acrylic fibres dyeing l...	2001	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2
50	Possibility of study the tinctorial process b...	2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	The influence of the structural modificatio...	1996	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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4. ***Beta vulgaris L. - A Source with a Great Potential in the Extraction of Natural Dyes Intended for the Sustainable Dyeing of Wool,*** **PLANTS,** 12, 1933 **(2023)**

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5. *New trends in the application of natural dyes in textile dyeing*, in **RENEWABLE DYES AND PIGMENTS**, Book Chapter2023, DOI: 10.1016/B978-0-443-15213-9.00004-1
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6. ***Phosphorylated Poly(vinyl alcohol) Electrospun Mats for Protective Equipment Applications*, NANOMATERIALS**, 12, no. 15, (2022), *article no. 2685, 2022*

by: Diana Serbezeanu, Tachita Vlad-Bubulac, Mihaela Dorina Onofrei, Florica Doroftei, Corneliu Hamciuc, Alina-Mirela Ipate, Alexandru Anisiei, Gabriela Lisa, Ion Anghel, Ioana-Emilia Sofran and **Vasilica Popescu**

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7. Green chemistry in the extraction of natural dyes from colored food waste, for dyeing protein textile materials, POLYMERS, (22), 2021
by: **Popescu V.,** Blaga A.C., Pruneanu M., Cristian I.N., Pislaru M., Popescu A., Rotaru V., (...), Cascaval D.

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9	Review • *Open access* **Bioactive Phytochemicals: Sources, Production, and Delivery of Betalains, Carotenoids, Organosulfur Compounds, Phenolics, and Phytosterols**	Melendez-Martinez A.J., Camargo A.B., Cilla A., ... Shahidi F., Mapelli-Brahm P.	Annual Review of Food Science and Technology , 17(1)	2026	6

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	Book Chapter 35	**Valorization of Beetroot Waste for Extraction of Natural Dye for Textile and Food Applications** Show abstract View at Publisher Related documents	Sooch B.S.,Sandhu N., Mann M.K.,Ray R.C.	Roots Tubers and Bulb Crop Wastes Management by Biorefinery Approaches	2024	8
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☐	42	Article **Valorization Beetroot Waste for Eco-Friendly Extraction of Natural Dye for Textile and Food Applications** Show abstract View at Publisher Related documents	AL-Amir A., Gomaa E.H., El-Azabawy R.E., El-Bayaa A.A.	Egyptian Journal of Chemistry , 65(8)	2022	14
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Formi

8. Sustainable functionalization of PAN to improve tinctorial capacity, POLYMERS, 13, no. 21, **(2021)**.
by: Popescu V., Buciscanu I.I., Pruneanu M., Maier S.S., Danila A., Maier V., Pislaru M., (...), Marin M.

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9. ***Laser induced method to produce curcuminoid-silanol thin films for transdermal patches using irradiation of turmeric target*****, APPLIED SCIENCES** (Switzerland), 2021

by: Cocean A., Cocean I., Cimpoesu N., Cocean G., Cimpoesu R., Postolachi C., **Popescu V.**, Gurlui S.

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10. ***Multifunctional finishing of cotton with compounds derived from MCT-β-CD and quantification of effects using MLR statistical analysis*,** **POLYMERS**, (3) 1-25, 2021

by: **Popescu V**., Petrea M., Popescu A.

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11. ***Multifunctionalizations of textile materials highlighted by unconventional dyeings***, **FRONTIERS OF TEXTILE MATERIALS: POLYMERS, NANOMATERIALS, ENZYMES, AND ADVANCED MODIFICATION TECHNIQUES**, **book chapter**, 2020, DOI: 10.1002/9781119620396.ch11
by: **Popescu Vasilica**

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12. ***Sustainable and cleaner microwave-assisted dyeing process for obtaining eco-friendly and fluorescent acrylic knitted fabrics***, **JOURNAL OF CLEANER PRODUCTION**, 451-461, 2019
by: **Popescu V.**, Astanei D.-G., Burlica R., Popescu A., Munteanu C., Ciolacu F., Ursache M., (...), Cocean A.

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13. ***Study of cotton grafting with hemiacetal - MCT-β-CD derivative using fourier transform infrared spectroscopy and statistical analysis,*** **REV.CHIM.(Bucharest),** 68, no. 9 **(2017)**, p. 2055-2059.
by: **Popescu Vasilica,** Sandu Irina Crina Anca, Popescu Gabriel

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15. ***The reactivity of Ti10Zr alloy in biological and electrochemical systems in the presence of chitosan,*** **RSC ADVANCES**, 7, no. 33 **(2017),** p. 20146-20146.

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18. ***Influence of parameters of polycondensation stage on ethyl chitosan grafting on cotton,*** **REV. CHIM. (Bucharest),** 67, no. 4, **(2016),** p.768- 773.

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19. ***Ethyl chitosan synthesis and quantification of the effects acquired after grafting it on a cotton fabric, using ANOVA statistical analysis,*** **CARBOHYDRATE POLYMERS,** 138, **(2016),** p. 94–105.
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by: **Popescu Vasilica*,** Pui Aurel, Sandu Irina Crina Anca, Popescu Gabriel

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21. ***FTIR spectroscopic, colorimetric and statistic evaluations of textile materials dyed with crude extract obtained by macerating pomegranate peels,*** **REV. CHIM. (Bucharest),** 67, no. 10, **(2016),** p.1994- 2000.
by: **Popescu Vasilica ***, Sandu Irina Crina Anca, Popescu Gabriel

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22. ***Colorimetric evaluation of chemical modifications generated by PAN functionalization in acid/ basic medium and grafting with chitosan,*** **REV. CHIM. (Bucharest),** 67, no. 1, **(2016),** p.74-80.
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23. ***Study of the Effects by Tinctorial Method Obtained at Polyethylene Terephtalate Functionalization with Alcohols,*** **REV. CHIM. (Bucharest),** 66, no. 10, **(2015)**, p. 1607-1613.
by: **Popescu Vasilica*,** Sandu Irina Crina Anca, Popescu Gabriel, Lisa Gabriela, Popa Alexandru

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24. ***Equipment for obtaining polimeric nanofibers by electrospinning technology, II. The obtaining polimeric nanofiber,*** **MATERIALE PLASTICE,** 52, no. 2, **(2015),** p. 180-185.

by: Manea Liliana Rozemarie, Cramariuc Bogdan, Cramariuc Radu, Scarlet Roxana, Sandu Ion*, **Popescu Vasilica**

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3	Conference Paper • *Open access* **Influence of Al2O3-13TiO2 powder on a C45 steel using atmospheric plasma spray process** Show abstract | View at Publisher | Related documents	Mahu G.,Munteanu C., Istrate B.,Benchea M., Lupescu S.	Iop Conference Series Materials Science and Engineering, 444(3), 032010	2018	8

25. ***Analysis of the behaviour of PAN functionalized with basic compounds, during dyeing process with acid dyes,*** **REV. CHIM. (Bucharest),** 66, no. 12, **(2015),** p.1997- 2004.
by: **Popescu Vasilica*,** Sandu Irina Crina Anca, Popescu Gabriel

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26. ***Effects of chitosan grafting onto cotton fabric pretreated with a tetrol,*** **REVISTA DE CHIMIE**, 65, no. 12, **(2014),** p. 1439-1447.
by: **Popescu Vasilica*,** Sandu Ioan Gabriel, Vasluianu Ecaterina, Sandu Ion, Manea Liliana Rozemarie, Campagne Cristine

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27. ***Tinctorial response of recycled pet fibers to chemical modifications during saponification and aminolysis reactions,*** **INDUSTRIAL ENGINEERING CHEMISTRY RESEARCH,** *53,* no. 43 (**2014),** p.16652–16663.
by: **Popescu Vasilica*,** Mureşan Augustin, Constandache Ovidiu, Lisă Gabriela, Mureşan Emil Ioan, Munteanu Corneliu, Sandu Ion

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28. ***Quantitative analysis of the multifunctional finishing of cotton fabric with non-formaldehyde agents***, **CARBOHYDRATE POLYMERS,** 111, **(2014),** p. 870–882

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29. ***Synthesis and characterization of hierarchical metallosilicate macrospherical catalysts,*** **REVISTA DE CHIMIE**, 65, no. 9, (**2014**), p. 1029-1035.
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30. ***Alternative hydrophobic treatments applied on dyed fabrics*, REVISTA DE CHIMIE**, 65, nr. 9, **(2014)**, p.1052-1057.
by: Bălan Gina, Mureşan Emil Ioan, **Popescu Vasilica,** Cerempei Angela*, Mureşan Augustin, Sandu Ion

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31. ***Multifunctional finishing with monochlortriazine β-cyclodextrin and tetrol,*** **REVISTA DE CHIMIE,** 65, no. 7, **(2014),** p. 811-818.
by: **Popescu Vasilica*,** Sandu Ion

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32. ***Modified organic pigments used in polypropylene coloration,*** **REVISTA DE CHIMIE**, 65, no. 8, **(2014)**, p. 892-896.
by: Constandache Tatiana, Cerempei Angela, Mureşan Emil-Ioan, **Popescu Vasilica*,** Drobotă Mioara, Sandu Ion

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33. ***Effects of the pre-treatment with atmospheric-air plasma followed by conventional finishing*, REV. DE CHIM.,** 65, 6, **(2014),** p. 676-683.
by: **Popescu Vasilica*,** Sandu Ion, Mureşan Emil Ioan, Istrate Bogdan, Lisă Gabriela

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4	Book **Examination of textiles with mathematical and physical methods** Show abstract | View at Publisher | Related documents	Ehrmann A.,Blachowicz T.	Examination of Textiles with Mathematical and Physical Methods	2016	9

34. ***Performances of chitosan grafted onto surface of polyacrylonitrile functionalized through amination reactions*, INDUSTRIAL ENGINEERING CHEMISTRY RESEARCH,** 52, no. 37, **(2013)**, p. 13252-13263.
by: **Popescu Vasilica***, Mureşan Emil Ioan

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35. ***Durable hydrophobic treatment of cotton fabrics with glycidyl stearate,*** **INDUSTRIAL ENGINEERING CHEMISTRY RESEARCH,** 52, no.18, **(2013),** p. 6270-6276.
by: Mureşan Emil Ioan*, Bălan Gina, **Popescu Vasilica**

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36. ***Comparative study of the FTIR analysis and the performances of N,N,N-trimethyl chitosan as wrinkle-proofing agent,*** **REVISTA DE CHIMIE,** 64, no.11, **(2013)**, p. 1284-1294.
by: **Popescu Vasilica***, Vasluianu Ecaterina, Forna Norina-Consuela, Sandu Ion, Bercu Elena

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37. ***Comparative study concerning the FTIR analysis and the performances of chitosan-based wrinkle-proofing agents*, REVISTA DE CHIMIE**, 64, no.10, (**2013),** p. 1104-1115.
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38. ***Eco-friendly phisico-chemical stimuli and their impact upon the tinctorial capacity of acrylic fibres***, **REVISTA DE CHIMIE**, 64, no.3, **(2013),** p. 281-286.
by: **Popescu Vasilica***, Manea Liliana Rozemarie, Sandu Ioan Gabriel, Chirculescu Andreea Irina, Sandu Ion

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39. **Popescu Vasilica**, ***New maleic copolymers used in the PAN fibres restoration spectral remission measurements*****, EUROPEAN JOURNAL OF SCIENCE AND THEOLOGY**, 8, no. 4, **(2012),** p. 247-258.
by: Bercu Elena, Diaconescu Rodica-Mariana*, Radu Cezar-Doru

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40. ***Monochlorotriazinyl-beta-cyclodextrin grafting onto polyester fabrics and films,*** **CARBOHYDRATE POLYMERS**, 86, no. 2, **(2011),** p. 600-611.
by: **Popescu Vasilica***, Mureşan Emil Loan, Grigoriu Ana-Maria

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41. ***Non-conventional method for the levelling dyeing of the acrylic fibers with cationic dyestuffs,*** **TEKSTIL**, vol. 60, no. 7, **(2011),** p. 306-312.

by: **Popescu Vasilica***, Manea Liliana-Rozemarie, Curteza Antonela, Vasluianu Ecaterina

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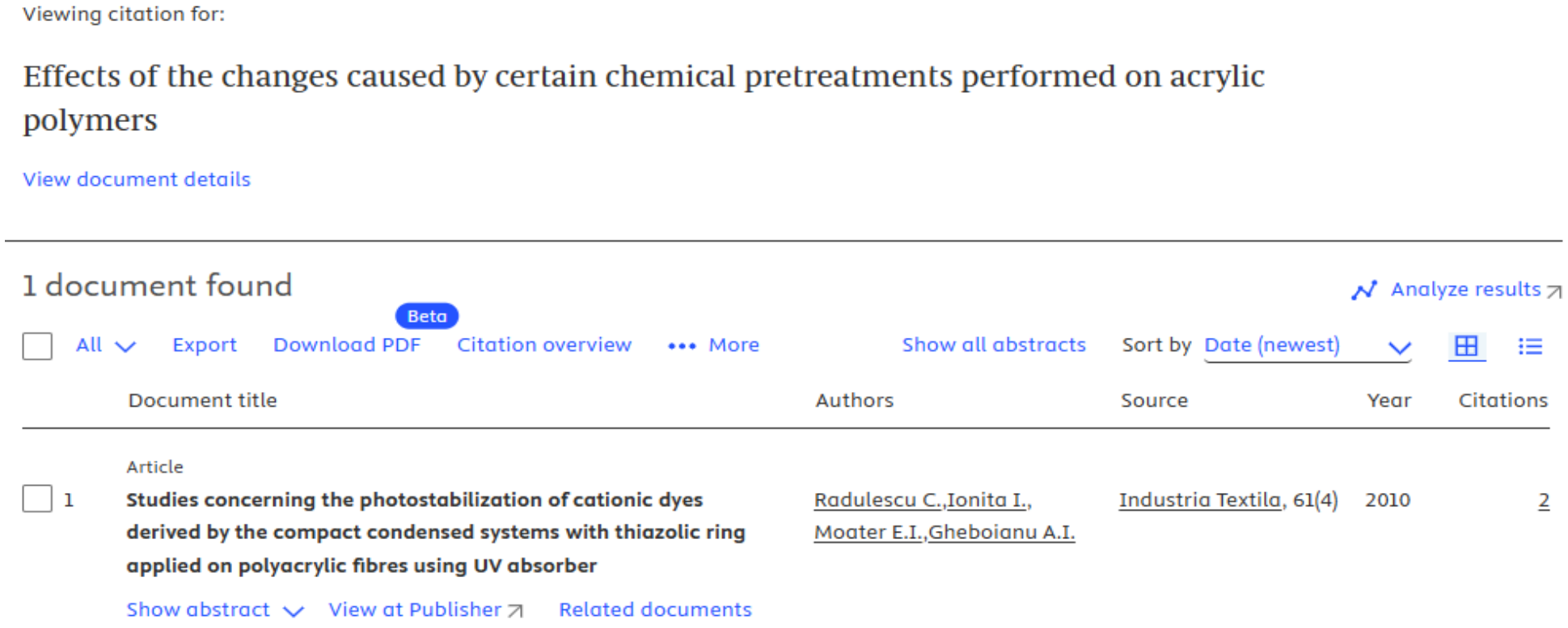
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by: **Popescu Vasilica***, Radu Cezar Doru, Manea Liliana Rozemarie

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43. ***Determination of the factors influencing the flame retardant efficiency of the protection - dyed cellulose materials using the analysis of variances,* MATERIALE PLASTICE**, 46, no. 1, **(2009),** p. 95-100
by: **Popescu Vasilica*,** Manea Liliana Rozemarie, Amariei Nicuşor

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44. ***The analysis of variance applied in case of tinctorial system acrylic fiber - cationic dye***
REVISTA ROMANA DE TEXTILE-PIELARIE, nr. 1 (**2001**)
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45. *Statistical analysis of acrylic fibres dyeing levelness Part I: Temperature and dye concentration influence*, **REVISTA ROMANA DE TEXTILE-PIELARIE,** nr. 4 (**2001**)
by: **Popescu Vasilica**, Butnaru Romen, Popescu Gabriel

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1	Book Chapter **Multifunctionalizations of textile materials highlighted by unconventional dyeings** Show abstract | View at Publisher | Related documents	Popescu V.	Frontiers of Textile Materials Polymers Nanomaterials Enzymes and Advanced Modification Techniques	2020	3
2	Book **Fundamentals and Practices in Colouration of Textiles: Second Edition** Show abstract | View at Publisher | Related documents	Chakraborty J.N.	Fundamentals and Practices in Colouration of Textiles Second Edition	2014	43
3	Book **Fundamentals and practices in colouration of textiles** Show abstract | View at Publisher | Related documents	Chakraborty J.N.	Fundamentals and Practices in Colouration of Textiles	2009	59

TOTAL citări în SCOPUS (fără autocitări), NC = 333
rezultă STANDARD ÎNDEPLINIT (deoarece NC ≥ 300)

Justificarea standardului NCO (Numar Contracte)

Pentru standardul NCO (nr. Contracte de cercetare), în calitate de director de proiect am realizat contractul de cercetare nr. 16717 / 2022 pe tema „Cercetări privind obținerea de materiale superabsorbante“, cu firma S.C. Plastprod S.R.L. din județul Iași, conform adeverinței de mai jos care dovedește suplimentar și calitatea mea de director de proiect de cercetare.

Rezultă că și acest standard NCO este ÎNDEPLINIT.

UNIVERSITATEA TEHNICA "GHEORGHE ASACHI" DIN IAŞI
Direcţia Management şi Monitorizare Proiecte
Biroul de Management şi Monitorizare a Proiectelor

UNIVERSITATEA TEHNICĂ „GHEORGHE ASACHI" DIN IAȘI
REGISTRATURA
-28-
Nr. 16256 / 15.05.2023

ADEVERINTA

La solicitarea doamnei Conf.dr.ing. Vasilica Popescu, confirmăm prin prezenta derularea prin D.M.M.P. a contractelor de cercetare prezentate mai jos.

Calitatea	Nr.	Titlul proiectului	Număr contract/tip	Valoare contract (RON)	Perioada/ anul	Director / Responsabil proiect
Director proiect	1	CERCETARI PRIVIND OBTINEREA DE MATERIALE SUPERABSORBANTE	Agent economic 16717/23.05.2022	50000,00 exclusiv TVA	2022	Conf. Vasilica Popescu
	2	GRANT PENTRU SUSTINEREA CAPACITATII DE PUBLICARE	Grant intern GI/P11/2021	45000,00	2021	Conf. Vasilica Popescu

Rector,
Prof.dr.ing Dan Caşcaval

Director D.M.M.P,
Ing. Nicoleta Cuciureanu

Întocmit,
Ing. Virgil Medvichi

Indeplinirea criteriului NR, pentru domeniul FUNCTIONALIZAREA TEXTILELOR

NR = **număr de publicații tip articol (exclus review, proceedings) reprezentative** din mapa candidatului care creionează un domeniu propriu de cercetare al candidatului (domeniu specific). Acestea trebuie să îndeplinească cumulativ următoarele condiții: să fie publicate ca autor principal, să fie în **reviste Q1 sau Q2, să înregistreze un număr de cel puțin 5 citări** fiecare (Scopus, exclus autocitările tuturor coautorilor), să alcătuiască un domeniu specific de cercetare al candidatului. Nu se admit domenii generale precum inginerie chimică, știința materialelor, știința polimerilor, chimie anorganică, chimie organică, etc. Domeniile specifice sunt de tipul: materiale liante, polimeri termoreactivi, transfer termic, compuși heterociclici, etc. Candidatul va încărca în dosar aceste articole în extenso și va preciza care este domeniul specific.

Nr. crt	**Informatii articole pentru domeniul FUNCTIONALIZAREA TEXTILELOR pentru aprecierea indeplinirii criteriului Publicatii Reprezentative, NR**	**Nr citari _fara autocitari, cu excluderea autorului principal si a coautorilor din articol**	**Pozitia articolului in lista citarilor evidentiata drept captura de ecran de pe site-ul SCOPUS***
1.	**Popescu Vasilica***, Mureşan Emil Loan, Grigoriu Ana-Maria *Monochlorotriazinyl-beta-cyclodextrin grafting onto polyester fabrics and films* **CARBOHYDRATE POLYMERS**, 86, no. 2, (**2011**), p. 600-611. **DOI:**10.1016/j.carbpol.2011.04.080 Accession Number: **WOS:** 000294187400027 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000294187400027	22	43
2.	**Popescu Vasilica***, Mureşan Emil Ioan *Performances of chitosan grafted onto surface of polyacrylonitrile functionalized through amination reactions* **INDUSTRIAL ENGINEERING CHEMISTRY RESEARCH,** 52, no. 37, (**2013**), p. 13252-13263. **DOI:** 10.1021/ie401494a Accession Number: **WOS:** 000330080100003 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-	13	37

	record/WOS:000330080100003		
3.	**Popescu, Vasilica** *,Vasluianu, Ecaterina, Gabriel, Popescu *Quantitative analysis of the multifunctional finishing of cotton fabric with non-formaldehyde agents* **CARBOHYDRATE POLYMERS,** 111, (**2014**), p. 870–882. **DOI:** 10.1016/j.carbpol.2014.05.052 Accession Number: **WOS:** 000340302100106 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000340302100106	8	30
4.	**Popescu Vasilica*,** Mureşan Augustin, Constandache Ovidiu, Lisă Gabriela, Mureşan Emil Ioan, Munteanu Corneliu, Sandu Ion *Tinctorial response of recycled pet fibers to chemical modifications during saponification and aminolysis reactions* **INDUSTRIAL ENGINEERING CHEMISTRY RESEARCH,** *53,* no. 43, (**2014**), p.16652–16663. **DOI:** 10.1021/ie5028974 Accession Number: **WOS**: 000344042700007 https://1610qtqst-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000344042700007	21	29
5.	**Popescu Vasilica,** Muresan Augustin*, Popescu Gabriel, Balan Mihaela, Dobromir Marius *Ethyl chitosan synthesis and quantification of the effects acquired after grafting it on a cotton fabric, using ANOVA statistical analysis* **CARBOHYDRATE POLYMERS,** 138, (**2016**), p. 94–105. Accession Number: **WOS:** 000368096400012 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000368096400012	6	19
6.	**Popescu Vasilica*** , Astanei Dragos-George, Burlica Radu, Popescu Andrei, Munteanu Corneliu, Ciolacu Florin, Ursache Mariana, Ciobanu Luminita, Cocean Alexandru *Sustainable and cleaner microwave-assisted dyeing process for obtaining eco-friendly and fluorescent acrylic knitted fabrics* **JOURNAL OF CLEANER PRODUCTION,** 232, (**2019**), p. 451-461. DOI 10.1016/j.jclepro.2019.05.281 Accession Number: **WOS:** 000477784000042 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-	36	12

	record/WOS:000477784000042		
7.	**Popescu V*,** Bucișcanu I, Pruneanu M., (...); Crețescu Igor, Chelariu P, Marin M. *Sustainable functionalization of PAN to improve tinctorial capacity* **POLYMERS** 13, no.21, **(2021)**. DOI 10.3390/polym13213665 Accession Number: **WOS:** 000719009600001 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000719009600001	5	8
8.	**Popescu Vasilica *,** Petrea Marioara, Popescu Andrei *Multifunctional Finishing of Cotton with Compounds Derived from MCT-β-CD and Quantification of Effects Using MLR* Statistical Analysis **POLYMERS** MDPI, 13, no. 3, (**2021**)**,** article no. 410, p.1-23. Accession Number: **WOS:** 000615458400001 https://1610q54fi-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000615458400001	9	10
	NR≥5	**NR = 8, INDEPLINIT**	

***Lista detaliata a citarilor fiecarui articol cuprins in NR se gaseste tot in aceasta Fisa de verificare a indeplinirii standardelor nationale, ceva mai sus, la justificarea criteriului Nr de citari, NC (pentru care eu am exclus atat autocitarile mele cat si ale celorlalti coautori).**

Conform informațiilor prezentate rezultă că TOATE STANDARDELE MINIMALE NAȚIONALE AU FOST ÎNDEPLINITE.

Dovezile justificative au constat, după caz, în linkuri, capturi de imagini, liste detaliate ale citărilor și o adeverință.

Data: 18.10.2026

Prof. Univ. Dr. Ing. Habil. POPESCU VASILICA



UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAŞI
FACULTATEA DE DESIGN INDUSTRIAL ŞI MANAGEMENTUL AFACERILOR
DEPARTAMENTUL DE INGINERIE CHIMICĂ ÎN TEXTILE ŞI PIELĂRIE

FIŞA DE VERIFICARE
a îndeplinirii standardelor universităţii pentru profesor universitar

Candidat: POPESCU VASILICA / Data naşterii: 26.01.1965 Funcţia actuală: conferențiar, Data numirii în funcţia actuală: 16.02.2015 Instituţia: UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" din IAŞI

1. Studiile universitare de licenţă

Nr. crt.	Instituţia de învăţământ superior şi facultatea absolvită – anul absolvirii	D o m e n i u l / programul de studii (specializarea)	Titlul acordat	Media de şcolaritate (min.8.00)	Media examenului de finalizare (min.9.00)
1	Institutul Politehnic „Gh. Asachi“ Iaşi- 1988	Chimie / Tehnologia chimică a produselor textile, pielii şi înlocuitorilor	Inginer	9,18	9

2. Studiile universitare de master

Nr. crt.	Instituţia de învăţământ superior şi facultatea absolvită – anul absolvirii	D o m e n i u l / programul de studii (specializarea)	Media de şcolaritate (min.9.00)	Media examenului de finalizare (min.9.00)
	-	-	-	-

3.Studiile de doctorat

Nr. crt.	Instituţia organizatoare de doctorat / Conducatorul de doctorat	D o m e n i u l	Perioada	Titlul ştiinţific acordat
	“Cercetări privind îmbunătătirea calitătii firelor PAN finisate, destinate industriei tricotajelor” / Prof. dr. ing. Romen Butnaru	*Tehnologie Chimică Textilă*	*1992-1998*	*Doctor în ramură de ştiinţă tehnică specializare Tehnologie Chimică*

				Textilă

3. Studii şi burse postdoctorale (stagii de cel puţin 6 luni)

Nr. crt.	Ţara / I n s t i t u ţ i a	D o m e n i u l / Specializarea	Perioada	Tipul de bursă

4. Grade didactice/profesionale

Nr. crt.	I n s t i t u ţ i a	D o m e n i u l	Perioada	Titlul/postul didactic sau gradul/postul profesional
1	S.C. **E L C A** S.A, localitatea Câmpina, judeţul Prahova	*Finisare chimică textilă*	1988- 1993	Ingineră / Departamentul Cercetare-Proiectare (1990-1993); Ingineră / Departamentul C.T.C (1989-1990); Ingineră / Sectorul Vopsitorie (1988-1989)
2	Universitatea Tehnică " Gheorghe Asachi" din Iaşi	*Inginerie Chimică*	1993- 1999	Inginer Coordonator Staţie Pilot de Finisare Chimică Textilă
3	Universitatea Tehnică " Gheorghe Asachi" din Iaşi	*Inginerie Chimică*	1999 - 2015	Şef lucrări
4	Universitatea Tehnică " Gheorghe Asachi" din Iaşi	*Inginerie Chimică*	2015 - 2022	Conferențiar
5	Universitatea Tehnică " Gheorghe Asachi" din Iaşi	*Inginerie Chimică*	2023-prezent	Conducător de doctorat

Tabelul 1. Standardul minimal al universităţii SMU.PROF.1 – Activitatea didactică

Standardul minimal al universităţii SMU.PROF.1 – Activitatea didactică	Indicatori de performanţă			Realizări (se trec cifrele de ordine ale realizărilor cuprinse în lista de lucrări, iar, după caz, celelalte realizări se nominalizează explicit)	Punctaj	Număr impus de realizări	Număr de realizări ale candidatului	Număr puncte
Valoarea contribuţiilor la dezvoltarea activităţilor didactice/ profesionale, cu referire distinctă la realizările după acordarea ultimului titlu didactic/grad profesional prin cărţi publicate în edituri recunoscute, capitole teoretice redactate, sisteme de laborator funcţionale, metode de lucru avansate aplicate etc. - după caz.	Ca	Carte/ curs/ manual publicată în străinătate			8	-		-
		Capitol carte/ curs/ manual publicat în străinătate		Cb1, Cb2, Cb3	6			17.27
		Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor)		Ca1, Ca2, Ca3, Ca4, Ca5, Ca6	5	1	1	53.34
		Capitol curs/ manual publicat în editură recunoscută CNCS		-	3	-		-
	I	Îndrumar/ culegere de probleme (publicat sau disponibil pe Web)		Î1 Î2 I3 Î4 Î5	4	1	1 1 1 1 1	3.08 3.52 5.16 3.34 0.70
	D	Sisteme de laborator funcţionale (numai pentru disciplinele prevăzute cu lucrări de laborator)	Amenajare lucrare nouă de laborator cu instalaţie experimentală	-	2	2	0	9
			Amenajare/ concepere lucrare nouă de laborator/ proiect/ simulare pe calculator/ studiu de caz	D1 (D1.1 – D1.6)	1.5		6	
			Contribuţie la dotarea laboratoarelor, în valoare echivalentă cu 700 Euro					
	W	Utilizarea sistemelor de predare/ învăţare/	Suport de studiu/ autoinstruire pe Web pentru seminar, laborator, proiect (integral pentru o disciplină)	W1.1, W1.2	1	1	1	21.98

		evaluare de tip e-learning/ on-line/ multimedia etc.	Suport de prezentare/ instruire text/ video/ audio/ ppt a disciplinei	W2 (W2.1 ÷ W2.5)	1		7	7
						Total puncte SMU.PROF.1 (min. 24)		**124.39**

Punctajul se calculează conf. Anexei 3.

Alte condiţii:
- deţine diploma de doctor în ramura de ştiinţă corespunzătoare postului sau într-o ramură înrudită;
- deține calitatea de conducător de doctorat

***Pentru candidaţii care vin din afara Universităţii*:**
- media examenului de finalizare a studiilor universitare de licenţă şi de masterat: minim 9,00 *pentru cei care vin din afara Universității;*
- media generală de şcolaritate: la licenţă minim 8,00, la masterat minim 9,00. *pentru cei care vin din afara Universității.*

Justificare :

CAPITOL CARTE PUBLICAT IN STRAINATATE

Capitole cărți de specialitate publicate în edituri din străinătate	**Punctaj**
Cb1. Vasilica Popescu, *New trends in the application of dyes and pigments from vegetable wastes in textile dyeing,* in book Renewable Dyes and Pigments, 1st Edition - October 1, 2023, Editor: Shahid Ul Islam (ed.) 2023**,** Elsevier Science, ISBN**-13** 9780443152139, ISBN 0443152136, Publication date: 10/01/2023	4.95
Cb2. Vasilica Popescu, Luminita Ciobanu, *Eco-Friendly Stimuli and Their Impact on the Tinctorial Capacity of Textile materials*, in book: Innovative and Emerging Technologies for Textile Dyeing and Finishing, Luqman Jameel Rather, Aminoddin Haji and Mohd Shabbir (eds.) (1–44), 2021 Scrivener Publishing LLC https://doi.org/10.1002/9781119710288.ch1	2.86
Cb3. Vasilica Popescu, *Multifunctionalizations of Textile Materials Highlighted by unconventional dyeings,* in book Frontiers of Textile Materials: Polymers, Nanomaterials, Enzymes, and Advanced Modification Techniques, eds: Mohd Shabbir, Shakeel Ahmed, and Javed N. Sheikh, (219–290), 2020, Scrivener Publishing LLC https://doi.org/10.1002/9781119620396.ch11	9.46
TOTAL	17.27

CARTI	Punctaj
Ca1: **Vasilica Popescu,** Finisarea produselor textile**,** Editura Tehnopress, Iaşi, 2022, ISBN 978-606-687-496-0 (editură acreditată CNCS, cod 89), 131 pagini cu 30 rânduri pe pagină	6.55
Ca2: **Vasilica Popescu**. Tehnologii pentru pregătire, albirea şi apretarea materialelor textile, Vol I Materiale celulozice, Editura Tehnopress, Iaşi, 2007, ISBN 10 973 –702- 413- 3 si 13 978-973-702-413-8, 246 pagini (editură acreditată CNCS, cod 89) 44 rânduri pe pagină	18.040
Ca3. Elena Iliescu, Gheorghe Nagy, **Vasilica Popescu**, Finisarea superioară a materialelor textile, Vol.1. Neşifonabilizarea, Editura Tehnopress, Iaşi, 2004, ISBN 973 –702-041-3, 381 pagini (editură acreditată CNCS, cod 89), 20 rânduri pe pagină	12,7
Ca4. Elena Iliescu, **Vasilica Popescu**, Victoria Cosmin, Pregătirea, albirea şi apretura textilelor, Vol.1, Editura Tehnopress, Iaşi, 2002, ISBN 973 –8048-90-7, 337 pagini (editură acreditată CNCS, cod 89), 30 rânduri pe pagină	16,85
Ca5**.** Elena Iliescu, **Vasilica Popescu**, Victoria Cosmin, Pregătirea, albirea şi apretura textilelor, Vol.2, Editura Tehnopress, Iaşi, 2002, ISBN 973 –8048-78-8, 393 pagini (editură acreditată CNCS, cod 89), 30 rânduri pe pagină	19.65
Ca6. Elena Iliescu, **Vasilica Popescu**, Bazele teoretice şi practice ale proceselor de spălare şi uscare a materialelor textile, Editura Tehnopress, Iaşi, 2002, ISBN 973 –8048- 91-5, 182 pagini (editură acreditată CNCS, cod 89), 30 rânduri pe pagină	9.1
Total	**53.34**

INDRUMARE

Îndrumar/ culegere de probleme (publicat sau disponibil pe Web)	Punctaj
I1. Vasilica Popescu, Finisarea produselor textile, Îndrumar de laborator, Editura Tehnopress, Iaşi, 2022, ISBN 978-606-687-497-7 (editură acreditată CNCS, cod 89), 66 pagini cu 35 rânduri pe pagină	3.08
I2. Vasilica Popescu, **REȚETAR pentru disciplinele: Tehnologia Pregătirii și Finisării Textilelor, Tehnologia Vopsirii și Imprimării Materialelor Textile, Finisarea Produselor Textile**, 66 pagini, format academic cu 40 rânduri pe pagină, disponibil pe platforma e-learning Moodle la: https://edu.tuiasi.ro/mod/folder/view.php?id=25775pentru studenții de la specializareaTCT https://edu.tuiasi.ro/mod/folder/view.php?id=25932 pentru studenții de la specializarea IEI https://edu.tuiasi.ro/mod/folder/view.php?id=25771 pentru studenții de la specializarea IMA	3.52
I3. **Vasilica Popescu,** Tehnologia pregătirii şi finisării textilelor, Îndrumar de laborator, Editura Tehnopress, Iaşi, 2014, ISBN 978 –606- 687-039-9, 129 pagini (editură acreditată CNCS, cod 89), 30 rânduri pe pagină	5.16
I4. **Vasilica Popescu,** Anişoara Bertea, Îndrumar de practică pentru Tehnologie chimică textilă, pentru studenţii anului III, Editura Performantica, Iaşi, 2011, ISBN 978-973-730-838-2, 50 pagini Popescu si 32 pagini Bertea A. (editură acreditată CNCS, cod 89), 50 rânduri pe pagină	3.34
I5. **Vasilica Popescu**, Caiet de practică pentru studenţii din anul III, Editura Performantica, Iaşi, 2011, ISBN 978-973-730-839-9, 53 pagini (editură acreditată CNCS, cod 89), 10 rânduri pe pagină	0.70
Total	15.8

Concepere lucrari noi de laborator	punctaj
D1. Concepere a **6 lucrări noi de laborator** pe teme referitoare la procese sustenabile pentru pregătirea și finisarea textilelor: D 1.1. Finisări pentru obtinere de efecte multiple; D 1.2. Procese sustenabile de pregătire a lânii în scopul funcționalizării; D 1.3. Variante eco-friendly de pregătire/albire și vopsire a țesăturilor din cânepă 100%; D 1.4. Finisarea materialelor celulozice cu agenți fără formaldehidă pentru a deveni nesifonabile dar hidrofile; D 1.5. Pregătirea și finisarea PES cu agenți polifuncționali pentru creșterea capacității tinctoriale. D 1.6. Implementarea ”Green chemistry” în Fluxul tehnologic de finisare a țesăturilor de in 100%.	9
Total	9

Utilizarea sistemelor de predare/ învăţare/ evaluare de tip e-learning/ on-line/ multimedia etc.	**Punctaj**
W 1. Suporturi de studiu/ autoinstruire pe Web pentru cursuri și laborator, integral pentru disciplina Tehnologia Pregătirii și Finisării Textilelor (2198 pagini, format academic cu 30 rânduri pe pagină): https://edu.tuiasi.ro/mod/folder/view.php?id=25545 *sau defalcat:* W1.1. suporturi de studiu pentru cursurile de la disciplina Tehnologia Pregătirii și Finisării Textilelor, 1945 pagini: : https://edu.tuiasi.ro/mod/folder/view.php?id=26013 W1.2. suporturi de studiu pentru laboratoarele de la disciplina Tehnologia Pregătirii și Finisării Textilelor, 253 pagini: https://edu.tuiasi.ro/mod/folder/view.php?id=25953	21.98
W2: Prezentări Power Point incluzând text și demonstrații video, la 4 discipline: W2.1.Tehnologia pregătirii şi finisării textilelor: https://edu.tuiasi.ro/mod/folder/view.php?id=25777 pentru studenții de la specializarea TCT W2.2.Finisarea produselor textile: https://edu.tuiasi.ro/mod/folder/view.php?id=25548 pentru studenții de la specializarea IEI https://edu.tuiasi.ro/mod/folder/view.php?id=25550 pentru studenții de la IMA W2.3. Ecodesign in finisarea textilelor sem I: https://edu.tuiasi.ro/mod/folder/view.php?id=25940 pentru studenții de la EFT W2.4.Ecodesign in finisarea textilelor sem II: https://edu.tuiasi.ro/mod/folder/view.php?id=25941 pentru studenții de la EFT Ecodesign in finisarea textilelor ***laborator_ https://edu.tuiasi.ro/mod/folder/view.php?id=41962*** ***W2.5. CAD cursuri https://edu.tuiasi.ro/mod/folder/view.php?id=41893*** ***CAD aplicatii_ https://edu.tuiasi.ro/mod/folder/view.php?id=41896*** ***W2.6. Elemente de coloristica si design _cursuri _ https://edu.tuiasi.ro/mod/folder/view.php?id=41897*** ***Elemente de coloristica si design _ laboratoare _https://edu.tuiasi.ro/mod/folder/view.php?id=41898*** ***W2.7. Chimie 1_cursuri_ https://edu.tuiasi.ro/course/section.php?id=23730***	7
Total	**28.98**

Suporturi cursuri la Tehnologia pregatirii si *finisării textilelor (TPFT)_2198 pagini_* ***https://edu.tuiasi.ro/mod/folder/view.php?id=25545***

suporturi de prezentare ppt a disciplinei FPFT _CURSURI ppt la TPFT_ https://edu.tuiasi.ro/mod/folder/view.php?id=25777
suporturi de studiu pentru laboratoarele de la TPFT_253 paginiFolder_ https://edu.tuiasi.ro/mod/folder/view.php?id=25953

Cursuri + laboratoare
Chimie 1_cursuri_ https://edu.tuiasi.ro/course/section.php?id=23730
Finisarea Produselor Textile_ cursuri la TTC_ https://edu.tuiasi.ro/course/section.php?id=17896
Finisarea Produselor Textile _cursuri la IEI _ https://edu.tuiasi.ro/mod/folder/view.php?id=25548
Ecodesign in finisarea textilelor I_ EFT I_cursuri _https://edu.tuiasi.ro/mod/folder/view.php?id=41963
Ecodesign in finisarea textilelor II_ cursuri_ https://edu.tuiasi.ro/mod/folder/view.php?id=25941
Ecodesign in finisarea textilelor laborator_ https://edu.tuiasi.ro/mod/folder/view.php?id=41962
CAD in imprimarea textilelor cursuri https://edu.tuiasi.ro/mod/folder/view.php?id=41893
CAD in imprimarea textilelor aplicatii_ https://edu.tuiasi.ro/mod/folder/view.php?id=41896
Elemente de coloristica si design _cursuri _ https://edu.tuiasi.ro/mod/folder/view.php?id=41897
Elemente de coloristica si design _ laboratoare _https://edu.tuiasi.ro/mod/folder/view.php?id=41898

Total punctaj din FISA= 17.27+53.34+15.8+9+28.98=124.39

Data: 18.10.2026

Prof. Univ. Dr. Ing. Vasilica Popescu

