ANEXA 3b

UNIVERSITATEA POLITEHNICA DIN BUCUREŞTI

FIŞA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE PREZENTARE LA CONCURS - CONFERENŢIAR

CANDIDAT Şl. Dr. Ing. TIHAN Grațiela Teodora

Post Nr. 12, CONFERENŢIAR, Departament Chimie Generală, Facultatea de Chimie Aplicată şi Ştiinţa Materialelor

Condiţii	**Îndeplinire condiţii**	
A. Doctor	Diploma de Doctor în domeniul Chimie, Seria E, Nr. 0004849, emisă de UPB, în baza Ordinului Ministrului Educației, Cercetării, Tineretului și Sportului, Nr. 1418 din 29.06.2007, Nr. 374 din 10.09.2007.	
B. Îndeplinirea standardelor minime naţionale conform OMECTS nr. 6560/20.12.2012; MO, I, 890 şi 890bis/27.12.2012	Standarde îndeplinite, conform Comisiei **CNATDCU Nr 8, Comisia Inginerie Chimică, Inginerie Medicală, Știința Materialelor Și Nanomateriale** Anexată: Fişa de calcul şi de susţinere a îndeplinirii standardelor minimale specifice domeniului, în acord cu realizările menţionate:	
Standarde minimale și obligatorii	**Minim prevăzut**	**Realizat**
Numărul total de articole în reviste ISI - NT	**15**	**16**
Numărul de articole în reviste ISI la care cadidatul este autor principal (prim autor sau autor de corespondenţă) - NP	**6**	**11**
Factorul de impact cumulat - FIC	**9**	**17.048**
Numărul total de citări (din baza SCOPUS) - NC	**20**	**63**
C. Atestarea studiilor (diploma + Foi Matricole) şi a altor realizări profesionale	Diploma de Inginer, în profilul Chimie, specializarea Tehnologia compușilor macromoleculari, Nr. 1153 din 07.12.2001 emisă de UPB	
	Foaie Matricolă la diploma de Inginer seria B, nr. 0003003 din registrul matricol, volumul 87, nr. Matricol 147235, anul 1996, pentru anii universitari 1996-2001	
	Diplomă de Studii Aprofundate, Facultatea Chimie Industrială, Sinteze Moderne de Compuși Macromoleculari, Nr. 435 din 14.03.2003, emisă de Ministerul Invăţământului, UPB	
	Foaie Matricolă pentru Diploma de Studii Aprofundate - Seria F, Nr. 0001535, din registrul matricol vol. 6, 2001, nr. 673, pentru anii universitari 2001-2002	
	Certificat de absolvire al Departamentului pentru Pregătirea Personalului Didactic; UPB, nr. certificat 221 din 25.02.2002, Seria D, Nr. 0002921	
	Certificat de atestare a competențelor profesionale Seria B, Nr. 0005900, eliberat de UPB, la propunerea Departamentului de Automatică și Informatică Industrială. Absolventă a programului postuniversitar de formare și dezvoltare profesională continuă: Informatizarea serviciilor medicale, în domeniul Ingineria sistemelor. Nr. 1725 din 30.09.2013	
	Supliment descriptiv pentru certificatul cu Seria B, Nr. 0005900, Nr. Matricol 76/1/2013.	
	Certificat de atestare a competențelor profesionale Seria B, Nr. 0005920, eliberat de UPB, la propunerea Departamentului de Automatică și Informatică Industrială. Absolventă a programului postuniversitar de formare și dezvoltare profesională continuă: Comportament organizațional și leadership pentru inovare, în domeniul Ingineria sistemelor. Nr. 1745 din 30.09.2013	
	Supliment descriptiv pentru certificatul cu Seria B, Nr. 0005920, Nr. Matricol 94/1/2013.	

Subsemnata, **TIHAN Grațiela Teodora**, candidat la concursul pentru ocuparea postului de Conferenţiar, poziţia 12, Departamentul Chimie Generală, Facultatea de Chimie Apliactă şi Ştiinţa Materialelor, din Domeniul de Studii Universitare Inginerie Chimică, arondat Comisiei de Specialitate CNATDCU [OMECTS 6573/2012] Nr 8, Inginerie Chimică, Inginerie Medicală, Știința Materialelor şi Nanomateriale, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declaraţii, din Legea 286/2009 - Codul Penal, ca sunt indeplinite toate Standardele minimale prevazute de Metodologia UPB 2013 pentru inscrierea la concurs [Sectiunea II.3] si OMECTS 6560/2012 [C + P], in momentul inscrierii la concurs, si sustin veridicitatea informatiilor prezentate in dosar si in materialul de mai sus. Lucrarile considerate a fi incluse in Baza ISI Thomson Reuters sau in alte Baze de Date Internationale [BDI] sunt vizibile in aceste baze, in dreptul numelui candidatului, la aceasta data.

Candidat, **Data**

Şl. Dr. Ing. TIHAN Grațiela Teodora **30.05.2017**

Fişa de calcul şi de susţinere a îndeplinirii standardelor minimale specifice domeniului, în acord cu realizările menţionate

Numărul total de articole în reviste ISI (NT)

Şl. Dr. Ing. TIHAN Grațiela Teodora

Minim prevăzut – 15
Realizat - 16

1.	Iacob F., **Tihan G.**, Zgârian R., Pauliuc M., Pirvu C., Rau I., *Preliminary studies concerning some natural extracts influence on the dentine*, **Molecular Crystal & Liquid Crystal**, 628:1, ISSN**:**1542-1406628:1, **pp. 110-114**, **2016**, (FI=0.532) (WOS: 000378126400014). (ISI Web of Knowledge, SCOPUS)
2.	**Tihan T. G.**, Rău I., Zgârian R. G., Ghica M. V., *Collagen-based biomaterials for ibuprofen delivery*, **Comptes rendus - Chimie**, 19(3), ISSN: 1631-0748**, pp. 390-394**, **2016**, (FI=1.798) (WOS:000385784900017). (ISI Web of Knowledge, SCOPUS)
3.	Apetroaei M. R., Zgârian R. G., Manea A.M., Rău I., **Tihan G. T.*,** Schroder V., *New source of chitosan from Black Sea marine organisms identification*, **Molecular Crystal & Liquid Crystal**, 628:1, ISSN**:**1542-1406, **pp. 102-108**, **2016**, (FI=0.532) (WOS:000378126400013). (ISI Web of Knowledge, SCOPUS)
4.	**Tihan G. T**., Ungureanu C., Barbaresso R. C., Zgârian R. G**.**, Rău I., Meghea A., Albu M. G., Ghica M. V., *Chloramphenicol collagen sponges for local drug delivery in dentistry*, **Comptes rendus - Chimie**, 18, ISSN: 1631-0748, **pp. 986-992**, **2015**, (FI=1.798) (WOS:000363820900009). (ISI Web of Knowledge, SCOPUS)
5.	Florea N. M., Lungu A., Balanuca B., Badica P., Craciun L., Damian C.M., Enculescu M., Ionescu C., **Tihan G.**, Iovu H., *Effect of polyhedral oligomeric silsesquioxane nanoreinforcement on the properties of epoxy resin/monoglycidylether-terminated poly(dimethylsiloxane) nanocomposites***, High Performance Polymers**, 28(6), ISSN: 0954-0083, **pp. 724-734**, **2016**, (FI=1,045) (WOS:000382225900011) (ISI Web of Knowledge, SCOPUS)
6.	Mîndroiu M., Zgârian R. G., Kajzar F., Rău I., De Oliveira H. C. L., Pawlicka A., **Tihan G. T.***, *DNA-based membranes for potential applications*, **Ionics**, 21(5), ISSN:0947-7047, **pp. 1381-1390, 2015**, (FI=2.119) (WOS:000352656000017). (ISI Web of Knowledge, SCOPUS)
7.	**Tihan T. G**., Ioniță M. D., Popescu R. G., Iordăchescu D., *Effect of hydrophilic – hydrophobic balance on biocompatibility of poly (methyl methacrylate) (PMMA) – hydroxyapatite (HA) composites*, **Materials Chemistry And Physics**, 118, ISSN: 0254-0584, **pp. 265–269**, **2009**, (FI=2.101) (WOS: 000271892800001). (ISI Web of Knowledge, SCOPUS)
8.	**Tihan G.**, Minkovska S., Giurginca M., Tite T., Iovu H., *Demetrescu I., Hydrophilic/hydrophobic balance in relation with structure and biocompatibility of ternary biofilms PVA-HAP-Collagen gel*, **Molecular Crystals and Liquid Crystals,** 486, ISSN**:** 1542-1406, pp. **175/[1217]–182/[1224]**, **2008**, (FI=0.532) (WOS:000256186000018). (ISI Web of Knowledge, SCOPUS)
9.	Sovar M.M., **Tihan G.T.**, Miculescu F., Mitran V, *Effect of saliva pH on electrochemical stability of Co-Cr-Mo bioalloy with a bio-chemically modified surface*, **Revista de chimie**, 58(9), ISSN: 0034-7752, **pp. 886 – 889**, **2007**, (FI=0.956), (WOS:000250636800006). (ISI Web of Knowledge, SCOPUS)
10.	**Zgîrian G.**, Iordăchescu D., Iovu H., Ionescu-Bujor I., Popescu R.,

	Demetrescu I., *Effect of chemical compositions and topographical features of collagen biofilms on cell response*, **Molecular Crystal & Liquid Crystal**, 448, ISSN**:** 1542-1406, **pp. 83-94**, **2006**, (FI=0.532), (WOS:000235404700007). (ISI Web of Knowledge, SCOPUS)
11.	**Zgîrian G.**, Demetrescu I., Gheorghiu H., Iovu H., Hadăr A., Atanasiu C., *Modelarea unor compozite polimerice: De la sinteză la proprietăţi mecanice şi calcule cu elemente finite*, **Revista de Chimie** 56 (7), ISSN: 0034-7752, **pp. 757-761**, **2005**, (FI=0.956), (WOS:000232629000016). (ISI Web of Knowledge, SCOPUS)
12.	**Zgirian G.**, Bujor I.I., Giurginca M., Rau I., Iovu H., Demetrescu I., *The characterization of bioartificial polymer films based on collagen filled with oligoelements*, **Molecular Crystals and Liquid Crystals** 418, ISSN**:** 1542-1406, **pp. 291/[1019]-298/[1026]**, **2004**, (FI=0.532), (WOS=000224980600024). (ISI Web of Knowledge, SCOPUS)
13.	Zgârian R. G, **Tihan G. T.**, Kajzar F., Rău I., Pawlicka A., Mîndroiu M. V., *Chromophore doped DNA based solid polymer electrolyte for electrochromic devices***, Arabian Journal of Chemistry,** 10(2), ISSN:1878-5352, **pp. 232-239**, **2017** (FI=3.613) (WOS=000396238000010). (ISI Web of Knowledge, SCOPUS, ScienceDirect)
14.	**Tihan G.T.**, Sereanu V., Meghea A., Voicu G., Albu M.G., Mitran V., Cimpean A., Zgârian R.G., *Innovative methodology for developing a bone grafting composite biomaterial starting from the seashell of Rapana thomasiana*, **Comptes Rendus Chimie,** 20(4), ISSN: 1631-0748, **pp. 440-445**, **2017**, (FI=1.798) (WOS=000400656200014). (ISI Web of Knowledge, SCOPUS)
15.	Marin Ș., Albu Kaya M. G., Voicu G., **Tihan G. T.**, *Hidrogeluri compozite sensibile la pH și temperatura pentru tratamentul arsurilor / pH and temperature sensitive composite hydrogels for burn treatment*, **Revista Română de Materiale / Romanian Journal of Materials**, 47 (1), ISSN: 1583-3186, **pp. 78-83**, **2017**, (FI=0.612) (WOS:000396979900010). (ISI Web of Knowledge, SCOPUS)
16.	Zgârian R. G., Iacob F., Kaya D. A., Rău I., Voicu G., **Tihan G. T.,** *Effect of different essential oils on human dentine structure*, **Farmacia** 47 (1), ISSN: 0014-8237, pp. 247-251, **2017**, (FI=1.162) (WOS:000400126800014). (ISI WEB of Knowledge, SCOPUS)

Numărul de articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondenţă) - NP

Şl. Dr. Ing. TIHAN Grațiela Teodora

Minim prevăzut – 6
Realizat - 11

1. **Tihan T. G.**, Rău I., Zgârian R. G., Ghica M. V., *Collagen-based biomaterials for ibuprofen delivery*, **Comptes rendus - Chimie**, 19(3), ISSN: 1631-0748, **pp. 390-394**, **2016**, (FI=1.798) (WOS:000385784900017). (ISI Web of Knowledge, SCOPUS)

2. Apetroaei M. R., Zgârian R. G., Manea A.M., Rău I., **Tihan G. T.*,** Schroder V., *New source of chitosan from Black Sea marine organisms identification*, **Molecular Crystal & Liquid Crystal**, 628:1, ISSN**:**1542-1406, **pp. 102-108**, **2016**, (FI=0.532) (WOS:000378126400013). (ISI Web of Knowledge, SCOPUS)

3. **Tihan G. T**., Ungureanu C., Barbaresso R. C., Zgârian R. G., Rău I., Meghea A., Albu M. G., Ghica M. V., *Chloramphenicol collagen sponges for local drug delivery in dentistry*, **Comptes rendus - Chimie**, 18, ISSN: 1631-0748, **pp. 986-992**, **2015**, (FI=1.798) (WOS:000363820900009). (ISI Web of Knowledge, SCOPUS)

4. Mîndroiu M., Zgârian R. G., Kajzar F., Rău I., De Oliveira H. C. L., Pawlicka A., **Tihan G. T.***, *DNA-based membranes for potential applications*, **Ionics**, 21(5), ISSN:0947-7047, **pp. 1381-1390**, **2015**, (FI=2.119) (WOS:000352656000017). (ISI Web of Knowledge, SCOPUS)

5. **Tihan T. G**., Ioniță M. D., Popescu R. G., Iordăchescu D., *Effect of hydrophilic – hydrophobic balance on biocompatibility of poly (methyl methacrylate) (PMMA) – hydroxyapatite (HA) composites*, **Materials Chemistry And Physics**, 118, ISSN: 0254-0584, **pp. 265–269**, **2009**, (FI=2.101) (WOS: 000271892800001). (ISI Web of Knowledge, SCOPUS)

6. **Tihan G.**, Minkovska S., Giurginca M., Tite T., Iovu H., *Demetrescu I., Hydrophilic/hydrophobic balance in relation with structure and biocompatibility of ternary biofilms PVA-HAP-Collagen gel*, **Molecular Crystals and Liquid Crystals,** 486, ISSN**:** 1542-1406, pp. **175/[1217]–182/[1224]**, **2008**, (FI=0.532) (WOS:000256186000018). (ISI Web of Knowledge, SCOPUS)

7. **Zgîrian G.**, Iordăchescu D., Iovu H., Ionescu-Bujor I., Popescu R., Demetrescu I., *Effect of chemical compositions and topographical features of collagen biofilms on cell response*, **Molecular Crystal & Liquid Crystal**, 448, ISSN**:** 1542-1406, **pp. 83-94**, **2006**, (FI=0.532), (WOS:000235404700007). (ISI Web of Knowledge, SCOPUS)

8. **Zgîrian G.**, Demetrescu I., Gheorghiu H., Iovu H., Hadăr A., Atanasiu C., *Modelarea unor compozite polimerice: De la sinteză la proprietăţi mecanice şi calcule cu elemente finite*, **Revista de Chimie** 56 (7), ISSN: 0034-7752, **pp. 757-761**, **2005**, (FI=0.956), (WOS:000232629000016). (ISI Web of Knowledge, SCOPUS)

9. **Zgirian G.**, Bujor I.I., Giurginca M., Rau I., Iovu H., Demetrescu I., *The characterization of bioartificial polymer films based on collagen filled with oligoelements*, **Molecular Crystals and Liquid Crystals** 418, ISSN**:** 1542-1406, **pp. 291/[1019]-298/[1026]**, **2004**, (FI=0.532), (WOS:000224980600024). (ISI Web of Knowledge, SCOPUS)

10. **Tihan G.T.**, Sereanu V., Meghea A., Voicu G., Albu M.G., Mitran V., Cimpean A., Zgârian R.G., *Innovative methodology for developing a bone grafting*

	composite biomaterial starting from the seashell of Rapana thomasiana, **Comptes Rendus - Chimie,** 20(4), ISSN: 1631-0748, **pp. 440-445**, **2017**, (FI=1.798) (WOS: 000400656200014). (ISI Web of Knowledge, SCOPUS)
11.	Zgârian R. G., Iacob F., Kaya D. A., Rău I., Voicu G. , **Tihan G. T.*,** *Effect of different essential oils on human dentine structure,* **Farmacia** 47 (1), ISSN: 0014-8237, **pp. 247-251**, **2017**, (FI=1.162) (WOS: 000400126800014). (ISI WEB of Knowledge, SCOPUS)

Factorul de impact cumulat – (FIC)

Şl. Dr. Ing. TIHAN Grațiela Teodora

Minim prevăzut – 9
Realizat - 17.048
Prim autor – PA; Autor de corespondență – AC

Nr. Crt	Articol	FI	Nr. autori	FIC
1.	Iacob F., **Tihan G.**, Zgârian R., Pauliuc M., Pirvu C., Rau I., *Preliminary studies concerning some natural extracts influence on the dentine*, **Molecular Crystal & Liquid Crystal**, 628:1, ISSN**:**1542-1406628:1, **pp. 110-114**, **2016**, (FI=0.532) (WOS:000378126400014). (ISI Web of Knowledge, SCOPUS)	**0.532**	**6**	**0.089**
2.	**Tihan T. G.**, Rău I., Zgârian R. G., Ghica M. V., *Collagen-based biomaterials for ibuprofen delivery*, **Comptes rendus - Chimie**, 19(3), ISSN: 1631-0748, **pp. 390-394**, **2016**, (FI=1.798) (WOS:000385784900017). (ISI Web of Knowledge, SCOPUS)	**1.798**	**PA 4**	**1.798**
3.	Apetroaei M. R., Zgârian R. G., Manea A.M., Rău I., **Tihan G. T.*,** Schroder V., *New source of chitosan from Black Sea marine organisms identification*, **Molecular Crystal & Liquid Crystal**, 628:1, ISSN**:**1542-1406, **pp. 102-108**, **2016**, (FI=0.532) (WOS:000378126400013). (ISI Web of Knowledge, SCOPUS)	**0.532**	**AC 6**	**0.532**
4.	**Tihan G. T**., Ungureanu C., Barbaresso R. C., Zgârian R. G., Rău I., Meghea A., Albu M. G., Ghica M. V., *Chloramphenicol collagen sponges for local drug delivery in dentistry*, **Comptes rendus - Chimie**, 18, ISSN: 1631-0748, **pp. 986-992**, **2015**, (FI=1.798) (WOS:000363820900009). (ISI Web of Knowledge, SCOPUS)	**1.798**	**PA 8**	**1.798**
5.	Florea N. M., Lungu A., Balanuca B., Badica P., Craciun L., Damian C.M., Enculescu M., Ionescu C., **Tihan G.**, Iovu H., *Effect of polyhedral oligomeric silsesquioxane nanoreinforcement on the properties of epoxy resin/monoglycidylether-terminated poly(dimethylsiloxane) nanocomposites***, High Performance Polymers**, 28(6), ISSN: 0954-0083, **pp. 724-734**, **2016**, (FI=1.045) (WOS:000382225900011) (ISI Web of Knowledge, SCOPUS)	**1.045**	**10**	**0.105**
6.	Mîndroiu M., Zgârian R. G., Kajzar F., Rău I., De Oliveira H. C. L., Pawlicka A., **Tihan G. T.***, *DNA-based membranes for potential applications*, **Ionics**, 21(5), ISSN:0947-7047, **pp. 1381-1390**, **2015**, (FI=2.119) (WOS:000352656000017). (ISI Web of Knowledge, SCOPUS)	**2.119**	**AC 7**	**2.119**
7.	**Tihan T. G**., Ioniță M. D., Popescu R. G., Iordăchescu D., *Effect of hydrophilic – hydrophobic balance on*	**2.101**	**PA 4**	**2.101**

	biocompatibility of poly (methyl methacrylate) (PMMA) – hydroxyapatite (HA) composites, **Materials Chemistry And Physics**, 118, ISSN: 0254-0584, **pp. 265–269**, **2009**, (FI=2.101) (WOS:000271892800001). (ISI Web of Knowledge, SCOPUS)			
8.	**Tihan G.**, Minkovska S., Giurginca M., Tite T., Iovu H., *Demetrescu I., Hydrophilic/hydrophobic balance in relation with structure and biocompatibility of ternary biofilms PVA-HAP-Collagen gel*, **Molecular Crystals and Liquid Crystals,** 486, ISSN**:** 1542-1406, **pp. 175/[1217]–182/[1224]**, **2008**, (FI=0.532) (WOS:000256186000018). (ISI Web of Knowledge, SCOPUS)	**0.532**	**PA 6**	**0.532**
9.	Sovar M.M., **Tihan G.T.**, Miculescu F., Mitran V., *Effect of saliva pH on electrochemical stability of Co-Cr-Mo bioalloy with a bio-chemically modified surface*, **Revista de chimie**, 58(9), ISSN: 0034-7752, **pp. 886 – 889**, **2007**, (FI=0.956), (WOS:000250636800006). (ISI Web of Knowledge, SCOPUS)	**0.956**	**4**	**0.239**
10.	**Zgîrian G.**, Iordăchescu D., Iovu H., Ionescu-Bujor I., Popescu R., Demetrescu I., *Effect of chemical compositions and topographical features of collagen biofilms on cell response*, **Molecular Crystal & Liquid Crystal**, 448, ISSN**:** 1542-1406, **pp. 83-94**, **2006**, (FI=0.532), (WOS:000235404700007). (ISI Web of Knowledge, SCOPUS)	**0.532**	**PA 6**	**0.532**
11.	**Zgîrian G.**, Demetrescu I., Gheorghiu H., Iovu H., Hadăr A., Atanasiu C., *Modelarea unor compozite polimerice: De la sinteză la proprietăţi mecanice şi calcule cu elemente finite*, **Revista de Chimie** 56 (7), ISSN: 0034-7752, **pp. 757-761**, **2005**, (FI=0.956), (WOS:000232629000016). (ISI Web of Knowledge, SCOPUS)	**0.956**	**PA 6**	**0.956**
12.	**Zgirian G.**, Bujor I.I., Giurginca M., Rau I., Iovu H., Demetrescu I., *The characterization of bioartificial polymer films based on collagen filled with oligoelements*, ***Molecular Crystals and Liquid Crystals*** 418, ISSN**:** 1542-1406, **pp. 291/[1019]-298/[1026**], **2004**, (FI=0.532), (WOS=000224980600024). (ISI Web of Knowledge, SCOPUS)	**0.532**	**PA 6**	**0.532**
13.	Zgârian R. G, **Tihan G. T.**, Kajzar F., Rău I., Pawlicka A., Mîndroiu M. V., *Chromophore doped DNA based solid polymer electrolyte for electrochromic devices***, Arabian Journal of Chemistry,** 10(2), ISSN:1878-5352, **pp. 232-239**, **2017** (FI=3.613) (WOS=000396238000010). (ISI Web of Knowledge, SCOPUS)	**3.613**	**6**	**0.602**
14.	**Tihan G.T.**, Sereanu V., Meghea A., Voicu G., Albu M.G., Mitran V., Cimpean A., Zgârian R.G., *Innovative methodology for developing a bone grafting composite biomaterial starting from the seashell of Rapana thomasiana*, **Comptes Rendus Chimie,** 20(4), ISSN: 1631-0748, **pp. 440-445**, **2017**, (FI=1.798) (WOS: 000400656200014). (ISI Web of Knowledge, SCOPUS)	**1.798**	**PA 8**	**1.798**
15.	Zgârian R. G., Iacob F., Kaya D. A., Rău I., Voicu G., **Tihan G. T.*,** *Effect of different essential oils on human*	**1.162**	**AC 6**	**1.162**

	dentine structure, **Farmacia** 47(1), ISSN:0014-8237, **pp. 247-251**, **2017**, (FI=1.162) (WOS:000400126800014). (ISI WEB of Knowledge, SCOPUS)			
16.	Marin Ș., Albu Kaya M. G., Voicu G., **Tihan G. T.**, *Hidrogeluri compozite sensibile la pH și temperatura pentru tratamentul arsurilor / pH and temperature sensitive composite hydrogels for burn treatment*, **Revista Română de Materiale / Romanian Journal of Materials**, 47 (1), ISSN: 1583-3186, **pp. 78-83**, **2017**, (FI=0.612) (WOS:000396979900010). (ISI Web of Knowledge, SCOPUS)	**0.612**	**4**	**0.153**
17.	**Tihan G. T.**, Bujor Ionescu I., I. Demetrescu, A. Meghea, Filme biopolimerice ternare, Data eliberării: 30.03.**2009**. Brevet de invenție Nr. 122287, Număr patent: **RO122287-B1,** BOPI nr. 3/2009			**1**
18.	Bujor Ionescu I., **Zgirian G. T.**, Demetrescu I., Iovu H., Iordachescu D., *Compozitie biopolimerica si procedeu de obtinere a acesteia*, Data eliberării: 30.03.**2009**. Brevet de invenție Nr. 122282. Număr patent: **RO122282-B1,** BOPI nr. 3/2009			**1**
		Total		**17.048**

Numărul total de citări (din baza SCOPUS) - NC

Şl. Dr. Ing. TIHAN Grațiela Teodora

Minim prevăzut - 20
Realizat - 63

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Self citations of selected authors are excluded.

Citation overview This is an overview of citations for these authors

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Documents

Citations

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		Total	<2013	2013	2014	2015	2016	2017	Subtotal	>2017	Total
			26	2	8	2	18	7	37	0	63
1	Innovative methodology for developing a bone grafting compos...	2017							0		0
2	Chromophore doped DNA based solid polymer electrolyte for el...	2017					1		1		1
3	Impact of some essential oils on the collagenic stability of...	2017							0		0
4	Effect of different essential oils on human dentine structur...	2017							0		0
5	Improved method of chitosan extraction from different crusta...	2017							0		0
6	[PH and temperature sensitive composite hydrogels for burn t...	2017							0		0
7	Effect of polyhedral oligomeric silsesquioxane nanoreinforce...	2016							0		0
8	Preliminary studies concerning some natural extracts influen...	2016							0		0
9	New source of chitosan from Black Sea marine organisms ident...	2016							0		0
10	Collagen-based biomaterials for ibuprofen delivery	2016						2	2		2
11	Chitosan an eco-friendly biomaterial from marine invertebrat...	2016							0		0
12	Spectral characterization of some collagen based composite f...	2016						1	1		1
13	Chloramphenicol collagen sponges for local drug delivery in ...	2015					3		3		3
14	DNA-based membranes for potential applications	2015					4		4		4
15	The effect of epoxy functionalized polydimethylsiloxane on e...	2015							0		0
16	Bio-inspired materials for electrochemical devices	2015							0		0
17	Elaboration and characterization of polymers/ceramic films	2010							0		0
18	Effect of hydrophilic-hydrophobic balance on biocompatibilit...	2009	10	2	6	1	9	4	22		32
19	Water absorption and mechanical properties of cements based ...	2009							0		0
20	Hydrophilic/hydrophobic balance in relation with structure a...	2008				1			1		1
21	Effect of saliva pH on electrochemical stability of Co-Cr-Mo...	2007	2						0		2
22	Effect of chemical compositions and topographical features o...	2006			1				1		1
23	Hydroxyapatyte effect in enhancing cell growth on new ternar...	2005							0		0
24	Modelarea unor compozite polimerice: De la sinteză la propri...	2005	10				1		1		11
25	The characterization of bioartificial polymer films based on...	2004	2						0		2
26	New collagen hybrids composites devoted to cell growth and p...	2004							0		0
27	New collagen composites with transdermal application	2003	2		1				1		3

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	Articol
	Citat de
	Zgârian R. G., Tihan G. T., Barbaresso R. C., Rău I., *Spectral characterization of some collagen based composite for dental application*, U.P.B. Sci. Bull., Series B, 78, (1), ISSN: 1454-2331, pp. 99-110, 2016, (SCOPUS, scholar.google.ro)
1	*Ionita D., Bajenaru-Georgescu D., Totea G., Mazare A., Schmuki P., Demetrescu I., Activity of vancomycin release from bioinspired coatings of hydroxyapatite or TiO_2 nanotubes, International Journal of Pharmaceutics, 517(1-2), ISSN: 0378-5173, 30 January 2017, (IF=3.994), pp. 296-302, (WOS:000392775100033) (SCOPUS).*
	Mîndroiu M., Zgârian R. G., Kajzar F., Rău I., De Oliveira H. C. L., Pawlicka A., Tihan G. T.*, *DNA-based membranes for potential applications*, Ionics, 21(5), ISSN:0947-7047, **pp. 1381-1390, 2015, (IF=2.119), (WOS:000352656000017), (ISI Web of Knowledge, SCOPUS)**
2	*Lazar C.A., Kajzar F., Mihaly M., Pirvu C., Petcu A.R., Olteanu N.L., Rau I., DNA based materials doped with praseodymium (III) hydroxide nanoparticles, Optical Materials, 56, ISSN: 0925-3467, pp. 3-7, 2016, (IF = 2.183) (WOS:000375517200002) (ISI Web of Knowledge, SCOPUS)*
3	*Jayme C.C., Kanicki J., Kajzar F., Nogueira A.F., Pawlicka A., Influence of DNA and DNA-PEDOT: PSS on dye sensitized solar cell performance, Molecular Crystals and Liquid Crystals, 627 (1), ISSN: 1542-1406, pp. 38-48, 2016, (IF = 0.532) (WOS:000378124600005) (ISI Web of Knowledge, SCOPUS)*
4	*Perianu E., Pauliuc M., Rau I., Iosub I., Spectral characterisation of some materials based on natural extracts: Topic title(s): Biomaterials, Conference paper: 2015 E-Health and Bioengineering Conference, EHB 2015, Article number 7391516, Category numberCFP1503P-ART; Code 119150, ISBN:978-1-4673-7545-0, (WOS:000380397900169) (ISI Web of Knowledge, SCOPUS)*
5	*Martinez V., Henary M., Nile Red and Nile Blue: Applications and Syntheses of Structural Analogues, Chemistry - A European Journal, 22(39), ISSN : 0947-6539, 2016, pp. 13764-13782, (IF=5.771), (WOS:000384694700004) (ISI Web of Knowledge, SCOPUS)*
	Tihan G. T., Ungureanu C., Barbaresso R. C., Zgârian R. G, Rău I., Meghea A., Albu M. G., Ghica M. V., *Chloramphenicol collagen sponges for local drug delivery in dentistry*, *Comptes rendus - Chimie*, 18, ISSN: 1631-0748, pp. 986-992, 2015, (IF=1.798) (WOS:000363820900009), (ISI Web of Knowledge, SCOPUS)
6	*Berteanu E., Ionita D., Simoiu M. Paraschiv M., Tatia R., Apatean A., Sidoroff M., Tcacenco L., Evaluation of biodegradation and biocompatibility of collagen/chitosan/alkaline phosphatase biopolymeric membranes, Bulletin of Materials Science, 39(2), ISSN: 0250-4707, pp. 377-383, 2016, (IF=0.895) (WOS:000375310000006) (ISI Web of Knowledge, SCOPUS)*
7	*Albu M.G., Ghica M.V., Stefanescu G.A., Hodorogea M., Marin M.M., Marin S., Danila E., Voicu S., Simonca A.G., Popa, L., Design and characterization of collagen-sodium carboxymethylcellulose-lidocaine 3D composites for wound management, Key Engineering Materials (Conference Paper) 695, pp. 309-316, 2016, International Seminar on Biomaterials and Regenerative Medicine, BIOREMED 2015; Oradea; Romania; September, ISSN: 1013-9826, (SCOPUS)*
8	*Gil C.S.B., Gil V.S.B., Carvalho S.M., Silva G.R., Magalhães J.T., Oréfice R.L., Mansur A., Mansur, H.S., Patricio P.S.O., Oliveira L.C.A., Recycled collagen films as biomaterials for controlled drug delivery, New Journal of Chemistry, 40(10), ISSN: 1144-0546, 2016, pp. 8502-8510, (IF=3.277), (WOS:000384754300041) (ISI Web of Knowledge, SCOPUS)*
	Tihan T. G., Ioniţă M. D., Popescu R. G., Iordăchescu D., *Effect of hydrophilic – hydrophobic balance on biocompatibility of poly (methyl methacrylate) (PMMA) – hydroxyapatite (HA) composites*, Materials Chemistry And Physics, 118, ISSN: 0254-0584, pp. 265–269, 2009, (IF=2.101) (WOS:000271892800001), (ISI Web of Knowledge, SCOPUS)
9	*Khanlari S., Tang J., Kirkwood K.M., Dubé M.A., Synthesis and properties of a poly(sodium acrylate) bioadhesive nanocomposite, International Journal of Polymeric Materials and Polymeric Biomaterials, 65 (17), ISSN: 1563-535X, pp. 881-887, 2016 (IF=1.667) (WOS:000380135000003) (ISI Web of Knowledge, SCOPUS)*
10	*Shahrousvand M., Mir Mohamad Sadeghi, G., Salimi, A., Artificial extracellular matrix for biomedical applications: biocompatible and biodegradable poly (tetramethylene ether) glycol/poly (ε-caprolactone diol)-based polyurethanes, Journal of Biomaterials Science, Polymer Edition, 27(17), ISSN: 0920-5063, 2016, pp. 1712-1728, (IF=1.733), (WOS:000385814800003) (ISI Web of Knowledge, SCOPUS)*

11	*Sathya, S., Murthy, P.S., Das, A, Gomathi Sankar, G., Venkatnarayanan, S., Pandian, R., Sathyaseelan, V.S., Pandiyan, V., Doble, M., Venugopalan, V.P., Marine antifouling property of PMMA nanocomposite films: Results of laboratory and field assessment, International Biodeterioration and Biodegradation, 114, ISSN: 0964-8305, pp. 57-66, 2016 (IF=2.429), (WOS:000383528000008) (ISI Web of Knowledge, SCOPUS)*
12	*Cucuruz A.T., Andronescu E., Ficai A., Ilie A., Iordache F., Synthesis and characterization of new composite materials based on poly(methacrylic acid) and hydroxyapatite with applications in dentistry, International Journal of Pharmaceutics, 510 (2), ISSN: 0378-5173, pp. 516-523, 2016, (IF=3.994) (WOS:000380754500014) (ISI Web of Knowledge, SCOPUS)*
13	*Jin W., Hao Q., Peng X., Chu P.K., Enhanced corrosion resistance and biocompatibilty of PMMA-coated ZK60 magnesium alloy, Materials Letters, 173, ISSN: 1873-4979, pp. 178-181, 2016, (IF=2.437) (WOS:000374325900044) (ISI Web of Knowledge, SCOPUS)*
14	*Pielichowska, K., Król, K., Majka, T.M., Polyoxymethylene-copolymer based composites with PEG-grafted hydroxyapatite with improved thermal stability, Thermochimica Acta, 633, ISSN: 0040-6031, pp. 98-107, 2016 (IF=1.938) (WOS:000376808300012) (ISI Web of Knowledge, SCOPUS)*
15	*Yahyaei H., Mohseni M., Ghanbari H., Messori M., Synthesis and characterization of polyhedral oligomeric titanized silsesquioxane: A new biocompatible cage like molecule for biomedical application, Materials Science and Engineering C, 61, ISSN: 0928-4931, pp. 293-300, 2016, (IF=3.420) (WOS:000370303600037) (ISI Web of Knowledge, SCOPUS)*
16	*Berteanu E., Ionita D., Simoiu M., Paraschiv M., Sidoroff M., Tcacenco, L, New biopolymeric membranes with vegetal plants extracts and potential anti-inflammatory effect for use in tissue therapy, Materiale Plastice, 53 (1), ISSN: 0025-5289, pp. 9-14, 2016, (IF=0.903) (WOS: 000373966500003) (ISI Web of Knowledge, SCOPUS)*
17	*Van De Walle E., Van Nieuwenhove I., Vanderleyden E., Declercq H., Gellynck K., Schaubroeck D., Ottevaere H., Thienpont H., De Vos W.H., Cornelissen M., Van Vlierberghe S., Dubruel P., Polydopamine-gelatin as universal cell-interactive coating for methacrylate-based medical device packaging materials: When surface chemistry overrules substrate bulk properties, Biomacromolecules, 17 (1), ISSN: 1525-7797, pp. 56-68, 2016 (IF=5.583) (WOS:000368047800007) (ISI Web of Knowledge, SCOPUS)*
18	*Ungureanu C., Ioniţă D., Berteanu E., Tcacenco L., Zuav A., Demetrescu I., Improving natural biopolymeric membranes based on chitosan and collagen for biomedical applications introducing silver, Journal of the Brazilian Chemical Society, 26 (3), ISSN: 0103-5053, pp. 458-465, 2015 (IF=1.096) (WOS: 000352322400007) (ISI Web of Knowledge, SCOPUS)*
19	*Berteanu E., Tcacenco L., Ionita D., Demetrescu I., Immobilization of Alkaline phosphatase on biopolymeric support, Proceedings of the International Semiconductor Conference, CAS, Article number 6966386, ISBN:978-1-4799-3917-6, pp. 43-46, 2014, ISSN: 1545-827X, (WOS: 000380488300007) (ISI Web of Knowledge, SCOPUS)*
20	*Wu M.-Y., Li Q.-L., Chen L.-Z., Cytompatibility assessment of the surface of titanium after phosphorylation (Conference Paper), Bio-Medical Materials and Engineering, 24 (1), ISSN: 0959-2989, pp. 659-671, 2014 (IF=0.988) (WOS:000327312600077) (ISI Web of Knowledge, SCOPUS)*
21	*Fernández J.M., Cortizo M.S., Cortizo A.M., Fumarate/ceramic composite based scaffolds for tissue engineering: Evaluation of hydrophylicity, Degradability, Toxicity and biocompatibility, Journal of Biomaterials and Tissue Engineering, 4 (3), ISSN: 2157-9083, pp. 227-234, 2014, (IF =1.287) (WOS:000336075900010) (ISI Web of Knowledge, SCOPUS)*
22	*Barros J., Grenho L., Manuel C.M., Ferreira C., Melo L., Nunes O.C., Monteiro F.J., Ferraz M.P, Influence of nanohydroxyapatite surface properties on Staphylococcus epidermidis biofilm formation, Journal of Biomaterials Applications, 28 (9), ISSN: 0885-3282, pp. 1325-1335, 2014, (IF =1.988) (WOS:000334636700004) (ISI Web of Knowledge, SCOPUS)*
23	*Subramaniam A., Sethuraman S., Biomedical Applications of Nondegradable Polymers (Book Chapter), Natural and Synthetic Biomedical Polymers, ISBN: 978-0-12-396983-5, pp. 301-308, 2014, (WOS:000342676700019) (ISI Web of Knowledge, SCOPUS)*
24	*Elshereksi N.W., Ghazali M.J., Muchtar A., Azhari C.H, Perspectives for titanium-derived fillers usage on denture base composite construction: A review article, Advances in Materials Science and Engineering, ISSN: 1687-8434, 2014, Article number 746252, 2014 (IF=1.01) (WOS:000338854800001) (ISI Web of Knowledge, SCOPUS)*
25	*Li M., Liu W., Sun J., Xianyu Y., Wang J., Zhang W., Zheng W., Huang D., Di S., Long Y.-Z., Jiang X, Culturing primary human osteoblasts on electrospun poly(lactic-co-glycolic acid) and poly(lactic-co-glycolic acid)/nanohydroxyapatite scaffolds for bone tissue engineering, ACS Applied Materials and*

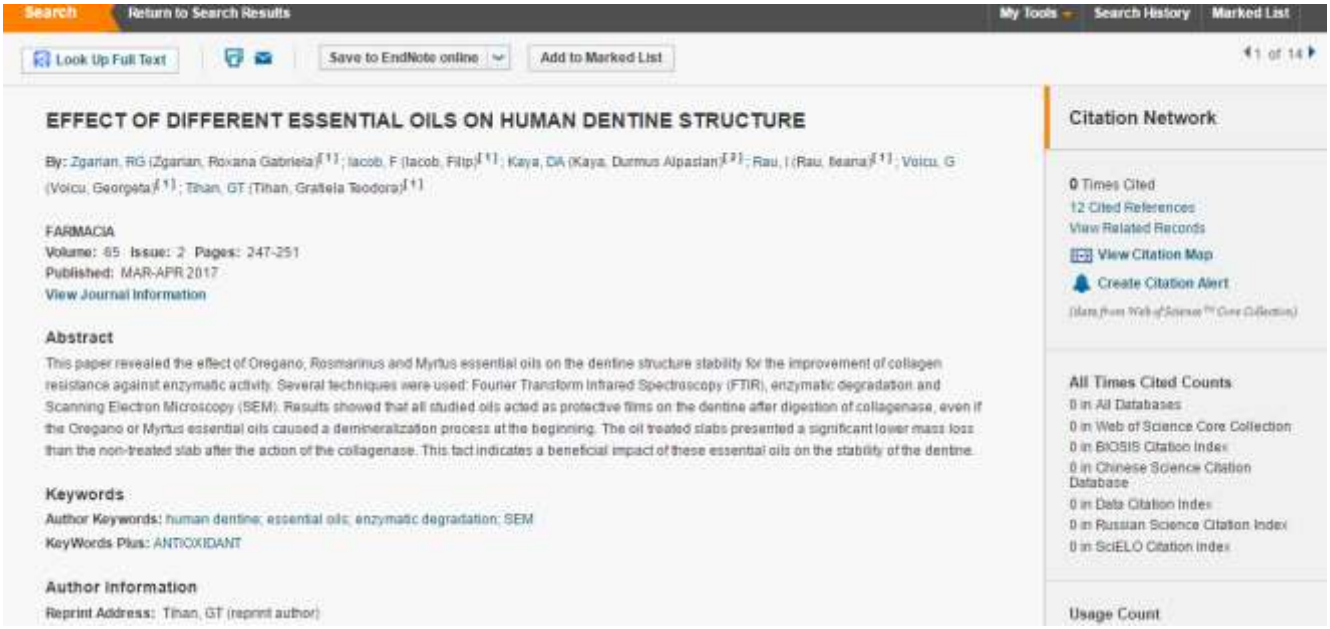
	Interfaces, 5 (13), ISSN: 1944-8244, pp. 5921-5926, 2013 (IF=7.145) (WOS:000321810000007) (ISI Web of Knowledge, SCOPUS)
26	*Ma, Y., Wang, R., Cheng, X., Liu, Z., Zhang, Y., The behavior of new hydrophilic composite bone cements for immediate loading of dental implant, Journal Wuhan University of Technology, Materials Science Edition, 28 (3), ISSN: 1000-2413, pp. 627-633, 2013, (IF= 0.400) (WOS:000319771800039) (ISI Web of Knowledge, SCOPUS)*
27	*Zhang X., Zhang X., Zhu B., Lin K., Chang J., Mechanical and thermal properties of denture PMMA reinforced with silanized aluminum borate whiskers, Dental Materials Journal, 31(6), pp. 903-908, ISSN: 0287-4547, 2012, (IF=1.087) (WOS:000324898000002) (ISI Web of Knowledge, SCOPUS)*
28	*Tan, F., O'Neill, F., Naciri, M., Dowling, D., Al-Rubeai, M., Cellular and transcriptomic analysis of human mesenchymal stem cell response to plasma-activated hydroxyapatite coating, Acta Biomaterialia, 8(4), pp. 1627-1638, ISSN: 1742-7061, 2012, (IF=6.008) (WOS: 000301873000024) (ISI Web of Knowledge, SCOPUS)*
29	*Li K., Yeung C.Y., Yeung K.W.K., Tjong S.C., Sintered hydroxyapatite/polyetheretherketone nanocomposites: Mechanical behavior and biocompatibility, Advanced Engineering Materials, 14 (4), ISSN: 1438-1656, pp. B155-B165, 2012, (IF =1.817) (WOS:000302344700007) (ISI Web of Knowledge, SCOPUS)*
30	*Tham W.L, Chow W.S., Mohd Ishak Z.A., Effects of titanate coupling agent on the mechanical, thermal, and morphological properties of poly(methyl methacrylate)/hydroxyapatite denture base composites, Journal of Composite Materials, 45(22), ISSN: 0021-9983, pp. 2335-2345, 2011 (IF = 1.242) (WOS:000295690000008) (ISI Web of Knowledge, SCOPUS)*
31	*Nanni F., Lamastra F.R., Pisa F., Gusmano G, Synthesis and characterization of poly(ε-caprolactone) reinforced with aligned hybrid electrospun PMMA/nano-Al2O3 fibre mats by film stacking, Journal of Materials Science, 46 (18), ISSN: 0022-2461, pp. 6124-6130, 2011, (IF=2.302) (WOS:000291951900026) (ISI Web of Knowledge, SCOPUS)*
32	*Su D., Chang W., Ma G., Wu G., Nie J., Light-curable composite of siloxane/hydroxyapatite prepared by the sol-gel process for bone defect treatment, Polymer Composites, 32 (8), ISSN: 0272-8397, pp. 1235-1244, 2011, (IF = 2.004) (WOS:000293417700010) (ISI Web of Knowledge, SCOPUS)*
33	*Misra N., Kapusetti G., Jaiswal S., Maiti P., Toughening of bone cement using nanoparticle: The effect of solvent, Journal of Applied Polymer Science, 121 (2), ISSN: 0021-8995, pp. 1203-1213, 2011, (IF =1.866) (WOS:000289355500071) (ISI Web of Knowledge, SCOPUS)*
34	*Tian D., Chu X.H., Yu D.H., Yue Y.Z, Zhao P., Sun X.L., Liu W.L., Immobilization of polymethyl methacrylate brushes on hydroxyapatite under molecular weight control, Industrial and Engineering Chemistry Research, 50 (10), ISSN: 0888-5885, pp. 6109-6114, 2011, (IF=2.567) (WOS:000290373200027) (ISI Web of Knowledge, SCOPUS)*
35	*Lam W.M., Pan H.B., Fong M.K., Cheung W.S., Wong K.L., Li Z.Y., Luk K.D.K., Chan W.K., Wong C.T., Yang C., Lu W.W., In Vitro characterization of low modulus linoleic acid coated strontium-substituted hydroxyapatite containing PMMA bone cement, Journal of Biomedical Materials Research - Part B Applied Biomaterials, 96 B (1), pp. 76-83, ISSN: 1552-4973, 2011, (IF=2.881) (WOS: 000285225500009) (ISI Web of Knowledge, SCOPUS)*
36	*Kwak K.-A., Kim Y.H., Thai V.V., Lee B.-T., Song H.-Y., Biocompatibility of multilayer Poly methyl methacrylate (PMMA)/Poly vinyl alcohol (PVA) bone plate by electrospinning method, Korean Journal of Materials Research, 20 (6), ISSN:1225-0562, pp. 312-318, 2010, (SCOPUS)*
37	*Radha G., Balakumar S., Venkatesan B., Vellaichamy E., A novel nano-hydroxyapatite – PMMA hybrid scaffolds adopted by conjugated thermal induced phase separation (TIPS) and wet-chemical approach: Analysis of its mechanical and biological properties, Materials Science and Engineering C, 73, ISSN: 0928-4931, (IF=3.42) DOI: 10.1016/j.msec.2016.11.098, pp. 164-172, 1 April 2017, (ScienceDirect) (WOS:000394064800019) (SCOPUS)*
38	*Radha G., Balakumar S., Venkatesan B., Vellaichamy E., A novel nano-hydroxyapatite – PMMA hybrid scaffolds adopted by conjugated thermal induced phase separation (TIPS) and wet-chemical approach: Analysis of its mechanical and biological properties, Materials Science and Engineering C, 73, ISSN: 0928-4931, (IF=3.42) DOI: 10.1016/j.msec.2016.11.098, pp. 221-228, 1Iunie 2017, (ScienceDirect, SCOPUS)*
39	*Shahrousvand M., Hoseinian M.S., Ghollasi M., Karbalaeimahdi A., Salimi A., Tabar F.A., Flexible magnetic polyurethane/Fe_2O_3 nanoparticles as organic-inorganic nanocomposites for biomedical applications: Properties and cell behavior, Materials Science and Engineering C, 74, ISSN: 0928-4931, (IF=3.42) , 1 May 2017, pp. 556-567, (ScienceDirect, SCOPUS), (WOS:* 000397356900065)
40	*Abdallah, M.-N., Tran, S.D., Abughanam, G., Laurenti, M., Zuanazzi, D., Mezour, M.A., Xiao, Y., Cerruti,*

	M., Siqueira, W.L., Tamimi, F., Biomaterial surface proteomic signature determines interaction with epithelial cells, Acta Biomaterialia, Volume 54, May 2017, pp. 150-163 (SCOPUS)
	Tihan G., Minkovska S., Giurginca M., Tite T., Iovu H., *Demetrescu I., Hydrophilic/hydrophobic balance in relation with structure and biocompatibility of ternary biofilms PVA-HAP-Collagen gel*, Molecular Crystals and Liquid Crystals, 486, ISSN: 1542-1406, pp. 175/[1217]–182/[1224], 2008, (FI=0.532) (WOS:000256186000018) (ISI Web of Knowledge, SCOPUS)
41	*Berteanu E., Ionita D., Paraschiv M., Apatean A., Sidoroff M., Catalin I., Tcacenco L., Elaboration and physical, chemical and biological characterization of new chitosan and gelatin membranes, U.P.B. Sci. Bull., Series B, 77(4), ISSN: 1454-2331, pp. 255-264, 2015 (SCOPUS)*
	Sovar M.M., Tihan G.T., Miculescu F., Mitran V, Effect of saliva pH on electrochemical stability of Co-Cr-Mo bioalloy with a bio-chemically modified surface, Revista de chimie, 58(9), ISSN: 0034-7752, pp. 886 – 889, 2007, (FI=0.956), (WOS:000250636800006). (ISI Web of Knowledge, SCOPUS)
42	*Cojocaru V.D., Cinca I., Ivanescu S., Drob P., Vasilescu C., Microstructural features and corrosion behaviour of a new solder Ag-Au-Cu-Pd-Ti alloy, Revista de Chimie, 60(6), ISSN: 0034-7752, pp. 577-582, 2009, (FI=0.956), (WOS:000267571000009) (ISI Web of Knowledge, SCOPUS)*
43	*Vasilescu E., Drob P., Ivanescu S., Dan I., Vasilescu C., Electrochemical behaviour of a new dental alloy for restorative works in simulating extreme functional conditions, Revista de Chimie, 60(8), ISSN: 0034-7752, pp. 783-786, 2009, (FI=0.956), (WOS:000269163700011). (ISI Web of Knowledge, SCOPUS)*
	Zgirian G., Iovu H., Ionescu-Bujor I., Popescu R., Demetrescu I., Iordachescu D., *Effect of chemical compositions and topographical features of collagen biofilms on cell response*, Molecular Crystals and Liquid Crystals, pp. 83/[685]-94/[696], ISSN: **1542-1406, 2006, (IF=0.532) (WOS:000235404700007), (ISI Web of Knowledge, SCOPUS)**
44	*Berteanu A.E., Tcacenco L., Ionita D., Demetrescu I., Immobilization of Alkaline phosphatase on biopolymeric support, Proceedings of the International Semiconductor Conference, CAS, Article number 6966386, ISBN:978-1-4799-3917-6, pp. 43-46, 2014, (WOS:000380488300007) (ISI Web of Knowledge, SCOPUS)*
	Zgîrian G., Demetrescu I., Gheorghiu H., Iovu H., Hadăr A., Atanasiu C., *Modelarea unor compozite polimerice: De la sinteză la proprietăţi mecanice şi calcule cu elemente finite*, Revista de Chimie 56 (7), ISSN: 0034-7752, pp. 757-761, 2005, (FI=0.956), (WOS:000232629000016). (ISI Web of Knowledge, SCOPUS)
45	*Grozea M.-A., Hadar A., Local nonlinear problems in beam structures made of plastics, Materiale Plastice, 48(2), ISSN:0025-5289, 2011, (IF=0.903), pp. 164-169, (*WOS:000292630200010*) (ISI Web of Knowledge, SCOPUS)*
46	*Bolcu D., Stanescu M.M., Ciuca I., Degeratu S., Grozea M.-A., Study of some elastic properties for sandwich beams reinforced with different types of fabric, Materiale Plastice, 48(2), ISSN:0025-5289, June 2011, (IF=0.903), pp. 195-201, (*WOS:000292630200015*) (ISI Web of Knowledge, SCOPUS)*
47	*Andrei G., Dima, D., Birsan, I., Andrei L., Circiumaru A., Effect of ferrite particles on mechanical behaviour of glass fibers reinforced polymer composite, Materiale Plastice, 46(3), ISSN:0025-5289, 2009, (IF=0.903), pp. 284-287, (*WOS:000272488600014*) (ISI Web of Knowledge, SCOPUS)*
48	*Motoc D.L., Curtu I.,Dynamic mechanical analysis of multiphase polymeric composite materials, Materiale Plastice, 46(4), ISSN:0025-5289, 2009, (IF=0.903), pp. 462-466,* (WOS:000274282300024) *(ISI Web of Knowledge, SCOPUS)*
49	*Iancau H., Bere P., Borzan M, Hancu L., Crai A., The influence of reinforced materials and manufacturing procedures on the mechanical characteristics of polymeric composite materials, Materiale Plastice, 45(3), ISSN:0025-5289, 2008, (IF=0.903), pp. 251-256, (*WOS:000259940400007*) (ISI Web of Knowledge, SCOPUS)*
50	*Vlase A., Ocnărescu C., Ocnărescu, M., Bayer M., New equations for determining tool wear when machining polymeric materials, Materiale Plastice, 44(4), ISSN:0025-5289, 2007, (IF=0.903), pp. 374-377,* (WOS:000253078000023) *(ISI Web of Knowledge, SCOPUS)*
51	*Bejan M., Samoilescu G., Interlaminar stress and delamination effect on load capacity of stratified composite materials, Materiale Plastice, 44(3), ISSN:0025-5289, 2007, (IF=0.903), pp. 259-260, (WOS:* 000250601200019*) (ISI Web of Knowledge, SCOPUS)*
52	*Cerbu C., Aspects concerning the degradation of the elastical and mechanical characteristics at bending of the composite materials made of E glass fibres reinforced polymeric resins because of the moisture absorbtion/[Aspecte privind degradarea caracteristicilor elastice şi mecanice de încovoiere ale materialelor compozite sticlă / polimer din cauza absorbţiei de umiditate], Materiale Plastice, 44(2),*

	ISSN:0025-5289, 2007, (IF=0.903), pp. 97-102, (WOS:000248937300001) (ISI Web of Knowledge, SCOPUS)
53	*Amza G., Hadăr A., Apostolescu Z., Gîrleanu G., Anton L., Experimental and theoretical research regarding the acoustical parameters influence on the ultrasound welding of inteligent composite/ [Contribuţii teoretice şi experimentale privind influenţa parametrilor acustici în procesul de sudare cu ultrasunete a materialelor compozite inteligente], Materiale Plastice, 44(1), ISSN:0025-5289, 2007, (IF=0.903), pp. 60-65, (WOS:000246485400014) (ISI Web of Knowledge, SCOPUS)*
54	*Hadăr A., Bordeaşu I., Mitelea I., Vlăsceanu D., Experimental validation of a theoretical model used for analysis of the laminate composite structures /Validarea experimentală a unui model teoretic folosit în calculul de rezistenţă al structurilor realizate din materiale composite, Materiale Plastice, 43(1), ISSN: 0025-5289, 2006, ((IF=0.903), pp. 70-73, (WOS:*000236960700017*) (ISI Web of Knowledge, SCOPUS)*
55	*Nedelcu D., Manescu T., Ursoniu C., Avram S.R., Mimis C.M., The study of contact problems for small rolling bearings manufactured of plastic material, Materiale Plastice, 53(4), ISSN: 0025-5289, December 2016, (IF=0.903), pp. 594-598, (SCOPUS), (WOS:000395047100005)*
	<u>Zgirian G.,</u> Bujor I.I., Giurginca M., Rau I., Iovu H., Demetrescu I., *The characterization of bioartificial polymer films based on collagen filled with oligoelements, Molecular Crystals and Liquid Crystals* 418, ISSN: 1542-1406, pp. 291/[1019]-298/[1026], 2004, (FI=0.532), (WOS=000224980600024). (ISI Web of Knowledge, SCOPUS)
56	*Ashraf S.M., Ahmad S., Riaz U., Alam M., Sharma H.O., Investigation of miscibility of linseed oil epoxy with poly(vinyl alcohol), Journal of Macromolecular Science, Part A: Pure and Applied Chemistry, 44(10), ISSN:* 1060-1325*, October 2007, (IF= -), pp. 1115-1120, (WOS*:000250737400008*) (ISI Web of Knowledge, SCOPUS)*
57	*Sharma H.O., Alam M., Riaz U., Ahmad S., Ashraf S.M., Miscibility studies of polyesteramides of linseed oil and dehydrated castor oil with poly(vinyl alcohol), International Journal of Polymeric Materials and Polymeric Biomaterials, 56(4), ISSN: - 1 April 2007, (IF=1.667), pp. 437-451, (SCOPUS)*
	Ionescu, I.B., Trandafir, V., Demetrescu, I., Iovu, H., <u>Zgirian, G.,</u> *New collagen composites with transdermal application*, European Cells and Materials 5 (SUPPL. 1), pp. 10-11, 2003, (SCOPUS)
58	*Sellerberg M., Di Bartolo D., Oberrecht J., Tiller J., Walzel, P., Viscometric measurement of protease activities on gelatine substrate, Applied Rheology, 24(6), ISSN: 1430-6395, 2014, (IF=1.241), pp. 31-40, Article number 62660, (WOS: 000349515600009) (ISI Web of Knowledge, SCOPUS)*
59	*Crivoi F., Stefan L., Moldovan L.,Vasile C., New biocompatible materials by PVA/HC and biological polymers, Journal of Optoelectronics and Advanced Materials, 11(3), ISSN:1454-4164, 2009, (IF=0.29), pp. 356-365, (WOS:000265297400021) (ISI Web of Knowledge, SCOPUS)*
60	*Popescu S., Demetrescu I., Sarantopoulos C., Gleizes A.N., Iordachescu D., The biocompatibility of titanium in a buffer solution: Compared effects of a thin film of TiO_2 deposited by MOCVD and of collagen deposited from a gel, Journal of Materials Science: Materials in Medicine, 18(10), ISSN: 0957-4530, 2007, (IF=2.272), pp. 2075-2083, (WOS:000249523200024) (ISI Web of Knowledge, SCOPUS)*
	<u>Tihan T. G.,</u> Rău I., Zgârian R. G., Ghica M. V., *Collagen-based biomaterials for ibuprofen delivery*, Comptes rendus - Chimie, 19(3), ISSN: 1631-0748, pp. 390-394, 2016, (FI=1.798) (WOS:000385784900017). (ISI Web of Knowledge, SCOPUS)
61	*Stylianou A., Atomic force microscopy for collagen-based nanobiomaterials, Journal of Nanomaterials,* ISSN: 1687-4129, *2017, (FI=*1.758), *Article number 9234627, Open Access, (WOS:000395148000001) (ISI Web of Knowledge, SCOPUS)*
62	*Vancaeyzeele C., Olivier F., Petroffe G., Peralta S.,Vidal F., Nanostructured Thermal Responsive Materials Synthesized by Soft Templating, ACS Applied Materials and Interfaces, 9(14), ISSN:1944-8244 , pp. 12706-12718, 2017, (FI= 7.145), (WOS:000399354100063) (ISI Web of Knowledge, SCOPUS)*
	Zgârian R. G, <u>Tihan G. T.,</u> Kajzar F., Rău I., Pawlicka A., Mîndroiu M. V., *Chromophore doped DNA based solid polymer electrolyte for electrochromic devices*, Arabian Journal of Chemistry, 10(2), ISSN:1878-5352, pp. 232-239, 2017 (FI=3.613) (WOS:000396238000010). (ISI Web of Knowledge, SCOPUS, ScienceDirect)
63	*Assis L.M.N., Leones R., Kanicki J., Pawlicka A., Silva,M.M., Prussian blue for electrochromic devices, Journal of Electroanalytical Chemistry, 777, ISSN: 1572-6657, pp. 33-39, 2016, (IF=2.822) (WOS:000383298100005).* (ISI Web of Knowledge, SCOPUS)

Dovada autor de corespondență:

Zgârian R. G., Iacob F., Kaya D. A., Rău I., Voicu G., **Tihan G. T.*,** *Effect of different essential oils on human dentine structure,* **Farmacia** 47 (1), ISSN: 0014-8237, **pp. 247 -251**, **2017**, (FI=1.162) (WOS:000400126800014). (ISI WEB of Knowledge, SCOPUS)



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EFFECT OF DIFFERENT ESSENTIAL OILS ON HUMAN DENTINE STRUCTURE

By: Zgarian, RG (Zgarian, Roxana Gabriela)[1] ; Iacob, F (Iacob, Filip)[1] ; Kaya, DA (Kaya, Durmus Alpaslan)[2] ; Rau, I (Rau, Ileana)[1] ; Voicu, G (Voicu, Georgeta)[1] ; Tihan, GT (Tihan, Gratiela Teodora)[1]

FARMACIA
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Abstract

This paper revealed the effect of Oregano, Rosmarinus and Myrtus essential oils on the dentine structure stability for the improvement of collagen resistance against enzymatic activity. Several techniques were used: Fourier Transform Infrared Spectroscopy (FTIR), enzymatic degradation and Scanning Electron Microscopy (SEM). Results showed that all studied oils acted as protective films on the dentine after digestion of collagenase, even if the Oregano or Myrtus essential oils caused a demineralization process at the beginning. The oil treated slabs presented a significant lower mass loss than the non-treated slab after the action of the collagenase. This fact indicates a beneficial impact of these essential oils on the stability of the dentine.

Keywords

Author Keywords: human dentine; essential oils; enzymatic degradation; SEM
KeyWords Plus: ANTIOXIDANT

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Reprint Address: Tihan, GT (reprint author)

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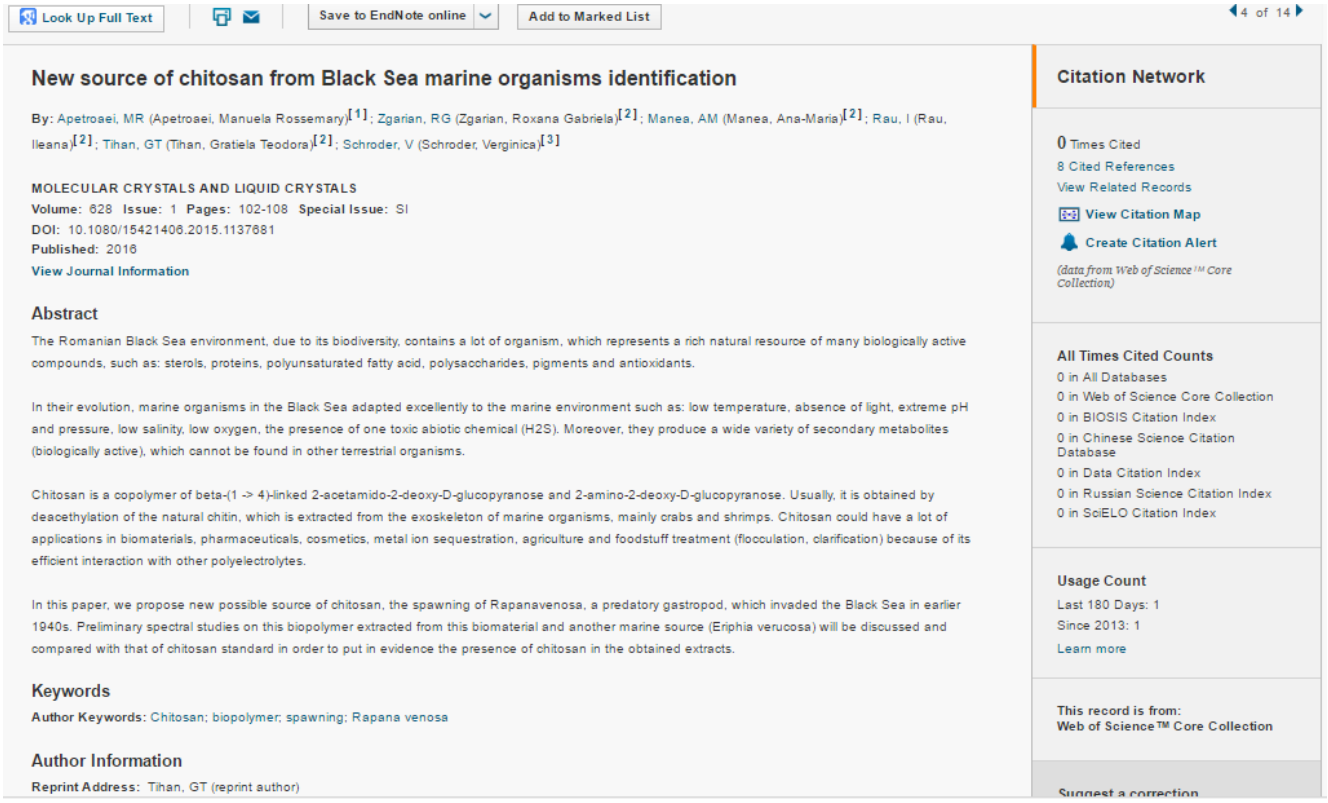

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New source of chitosan from Black Sea marine organisms identification

By: Apetroaei, MR (Apetroaei, Manuela Rossemary)[1]; Zgarian, RG (Zgarian, Roxana Gabriela)[2]; Manea, AM (Manea, Ana-Maria)[2]; Rau, I (Rau, Ileana)[2]; Tihan, GT (Tihan, Gratiela Teodora)[2]; Schroder, V (Schroder, Verginica)[3]

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Abstract

The Romanian Black Sea environment, due to its biodiversity, contains a lot of organism, which represents a rich natural resource of many biologically active compounds, such as: sterols, proteins, polyunsaturated fatty acid, polysaccharides, pigments and antioxidants.

In their evolution, marine organisms in the Black Sea adapted excellently to the marine environment such as: low temperature, absence of light, extreme pH and pressure, low salinity, low oxygen, the presence of one toxic abiotic chemical (H2S). Moreover, they produce a wide variety of secondary metabolites (biologically active), which cannot be found in other terrestrial organisms.

Chitosan is a copolymer of beta-(1 -> 4)-linked 2-acetamido-2-deoxy-D-glucopyranose and 2-amino-2-deoxy-D-glucopyranose. Usually, it is obtained by deacethylation of the natural chitin, which is extracted from the exoskeleton of marine organisms, mainly crabs and shrimps. Chitosan could have a lot of applications in biomaterials, pharmaceuticals, cosmetics, metal ion sequestration, agriculture and foodstuff treatment (flocculation, clarification) because of its efficient interaction with other polyelectrolytes.

In this paper, we propose new possible source of chitosan, the spawning of Rapanavenosa, a predatory gastropod, which invaded the Black Sea in earlier 1940s. Preliminary spectral studies on this biopolymer extracted from this biomaterial and another marine source (Eriphia verucosa) will be discussed and compared with that of chitosan standard in order to put in evidence the presence of chitosan in the obtained extracts.

Keywords

Author Keywords: Chitosan; biopolymer; spawning; Rapana venosa

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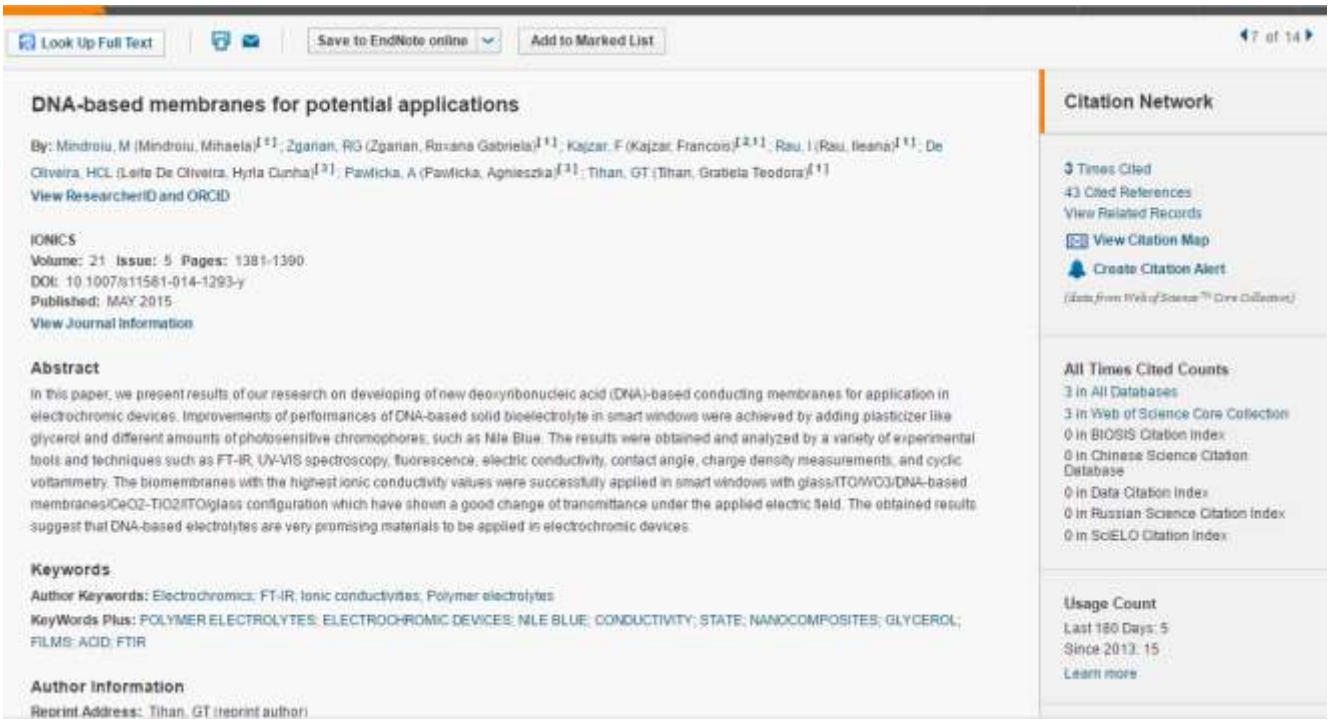

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DNA-based membranes for potential applications

By: Mindroiu, M (Mindroiu, Mihaela)[1]; Zgarian, RG (Zgarian, Roxana Gabriela)[1]; Kajzar, F (Kajzar, Francois)[2,1]; Rau, I (Rau, Ileana)[1]; De Oliveira, HCL (Leite De Oliveira, Hyrla Cunha)[3]; Pawlicka, A (Pawlicka, Agnieszka)[3]; Tihan, GT (Tihan, Gratiela Teodora)[1]

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IONICS
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Abstract

In this paper, we present results of our research on developing of new deoxyribonucleic acid (DNA)-based conducting membranes for application in electrochromic devices. Improvements of performances of DNA-based solid bioelectrolyte in smart windows were achieved by adding plasticizer like glycerol and different amounts of photosensitive chromophores, such as Nile Blue. The results were obtained and analyzed by a variety of experimental tools and techniques such as FT-IR, UV-VIS spectroscopy, fluorescence, electric conductivity, contact angle, charge density measurements, and cyclic voltammetry. The biomembranes with the highest ionic conductivity values were successfully applied in smart windows with glass/ITO/WO3/DNA-based membranes/CeO2-TiO2/ITO/glass configuration which have shown a good change of transmittance under the applied electric field. The obtained results suggest that DNA-based electrolytes are very promising materials to be applied in electrochromic devices.

Keywords

Author Keywords: Electrochromics; FT-IR; Ionic conductivities; Polymer electrolytes
KeyWords Plus: POLYMER ELECTROLYTES; ELECTROCHROMIC DEVICES; NILE BLUE; CONDUCTIVITY; STATE; NANOCOMPOSITES; GLYCEROL; FILMS; ACID; FTIR

Author Information

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