

S.L.dr.ing. Diana M. VRANCEANU

Lista Lucrari

Articole în revistă cotate ISI Thomson Reuters

1.	Visan A.I., Popescu-Pelin G., Gherasim O., Mihailescu A., Socol M., Zgura I., Chiritoiu M., Sima L.E., Antohe F., Ivan L., Diana M Vranceanu , Cosmin M Cotrut, Cristescu R., Socol G., <i>Long-Term Evaluation of Dip-Coated PCL-Blend-PEG Coatings in Simulated Conditions</i> , Polymers, 2020 , Vol. 12., Iss. 3., Article number 717; F.I. ₂₀₂₀ = 3.164 ; DOI: 10.3390/polym12030717; Document Type: Article; Research Areas: Polymer Science; Web of Science Categories: Polymer Science WOS:000525952000216 ; Q1
2.	Diana M Vranceanu , Anca C Parau, Cosmin M Cotrut, Adrian E Kiss, Lidia R Constantin, Viorel Braic, Alina Vladescu, <i>In vitro evaluation of Ag doped hydroxyapatite coatings in acellular media</i> , Ceramics International, 2019, Vol. 45, Iss. 8, pp.11050-11061; F.I. ₂₀₂₀ = 3.450 ; DOI: 10.1016/j.ceramint.2019.02.191; Document Type: Article; Research Areas: Materials Science; Web of Science Categories: Materials Science, Ceramics WOS:000465058500170 ; Q1
3.	Vladescu A., Parau A.C., Pana I., Cotrut M. Cosmin, Constantin L.R., Braic V., Diana M Vranceanu. , <i>In vitro activity assays of sputtered HAp coatings with SiC addition in various simulated biological fluids</i> , Coatings, 2019 , Vol. 9, Iss. 6, Article number 389; F.I. ₂₀₂₀ = 2.330 ; DOI: 10.3390/coatings9060389; Document Type: Article; Research Areas: Materials Science; Web of Science Categories: Materials Science, Coatings & Films; WOS:000473753000044 ; Q2
4.	Cosmin M Cotrut, A. Vladescu, M. Dinu, Diana M Vranceanu , <i>Influence of deposition temperature on the properties of hydroxyapatite obtained by electrochemical assisted deposition</i> , Ceramics International, 2018 , Vol. 44, Iss. 1, pp. 669-677; F.I. ₂₀₂₀ = 3.450 ; DOI: 10.1016/j.ceramint.2017.09.227 Document Type: Article; Research Areas: Materials Science; Web of Science Categories: Materials Science, Ceramics; WOS:000416877900091 ; Q1
5.	A. Vladescu Diana M Vranceanu. , S. Kulesza, A. N. Ivanov, M. Bramowicz, A.S. Fedonnikov, M. Braic, I.A. Norkin, A. Koptuyug, M. Kurtukova, M. Dinu, I. Pana, M.A. Surmeneva, R.A. Surmenev, Cosmin M Cotrut, <i>Influence of the electrolyte's pH on the properties of electrochemically deposited hydroxyapatite coating on additively manufactured Ti64 alloy</i> , Scientific reports, 2017 , 7(1), F.I. ₂₀₂₀ = 4.011 ; Article Number: 16819, DOI: 10.1038/s41598-017-16985-z; Research Document Type: Article; Areas: Science & Technology - Other Topics; Web of Science Categories: Multidisciplinary Sciences; WOS:000416938200127 ; Q1 Reprint Address: Cotrut, CM (reprint author)
6.	T.M. Mukhametkaliyev, M.A. Surmeneva, A. Vladescu, Cosmin M Cotrut, M. Braic, M. Dinu, Diana M Vranceanu , I. Pana, M. Mueller, R.A. Surmenev, <i>A biodegradable AZ91 magnesium alloy coated with a thin nanostructured hydroxyapatite for improving the corrosion resistance</i> , Materials Science and Engineering C 75 (2017) 95–103, F.I. ₂₀₂₀ = 4.959 ; DOI: 10.1016/j.msec.2017.02.033, Document Type: Article; Research Areas: Materials Science; Web of Science Categories: Materials Science, Biomaterials; WOS:000400720800013 ; Q1
7.	Cosmin M Cotrut, L Braic, Diana M Vranceanu , A. Kiss, M. Dinu, M. Balaceanu, V. Braic, A. Vladescu, <i>Influence of the annealing treatment on the structure, morphology, and corrosion resistance of sputtered Zr-Ti-Si-O coatings used for biomedical applications</i> , Materials And Corrosion-Werkstoffe Und Korrosion 68 (5) (2017) 552-559, F.I. ₂₀₂₀ = 1.458 ; DOI: 10.1002/maco.201609200, Document Type: Article, Research Areas: Materials Science; Metallurgy

	& Metallurgical Engineering, WOS:000400648400006,Q2
8.	Cosmin M Cotrut, A.C. Parau, A.I. Gherghilescu, I. Titorencu, I. Pana, D.V. Cojocoru, V. Pruna, L. Constantin, I. Dan, Diana M Vranceanu , A. Vladescu, <i>Mechanical, In Vitro Corrosion Resistance and Biological Compatibility of Cast and Annealed Ti25Nb10Zr Alloy</i> , <i>Metals</i> 7(3) 86 (2017), F.I.₂₀₂₀ = 2.259 ; Article Number 86, DOI: 10.3390/met7030086, Document Type: Article, Research Areas:Materials Science; Metallurgy & Metallurgical Engineering, WOS:000397261600018,Q1
9.	Diana M Vranceanu ,Cosmin M Cotrut, M. Bramowicz, I. Titorecu, S. Kulesza, A. Kiss, A. Berbecaru, V. Pruna, M. Branzei, A. Vladescu, <i>Osseointegration of sputtered SiC-added hydroxyapatite for orthopaedic applications</i> , <i>Ceramics International</i> , vol. 42 (8), 2016, pag. 10085-10093, F.I.₂₀₂₀ = 3.450 ; DOI: 10.1016/j.ceramint.2016.03.114, Document Type: Article, Research Areas: Materials Science, WOS:000374811600099,Q1
10.	I. Antoniac, Diana M Vranceanu , A. Antoniac, The influence of the magnesium powder used as reinforcement material on the properties of some collagen based composite biomaterials, <i>Journal of Optoelectronics and Advanced Materials</i> , Vol. 15, Iss 7-8, 2013, pag. 667-672, FI₂₀₂₀ = 0.588 ;Document Type:Article, Research Areas:Materials Science; Optics; Physics; Web of Science Categories:Materials Science, Multidisciplinary; Optics; Physics, Applied; WOS:000323397900012; Q4
11.	Diana M Vranceanu , I. Antoniac, F. Miculescu, R. Şaban, The influence of the ceramic phase on the porosity of some biocomposites with collagen matrix used as bone substitutes, <i>Journal of Optoelectronics and Advanced Materials</i> , Vol. 14, Iss. 7-8, 2012,pag. 671-672; FI₂₀₂₀ = 0.588 ;Document Type:Article; Research Areas:Materials Science; Optics; Physics; Web of Science Categories:Materials Science, Multidisciplinary; Optics; Physics, Applied; WOS:000308718300017; Q4

Articole în reviste indexate ISI si in volume indexate ISI proceedings

12.	Diana M Vranceanu , T. Thanh, E. Ungureanu, V. Negoiescu, M. Tarcolea, M. Dinu, A. Vladescu, R. Zamfir, A.C. Timotin, C.M. Cotrut, <i>Pulsed electrochemical deposition of Ag doped hydroxyapatite bioactive coatings on Ti6Al4V for medical purposes</i> , U.P.B. - Scientific Bulletin in series B-chemistry and materials science; 2018; Vol. 80, Iss 1., pp: 173-184 Document Type: Article; Research Areas: Chemistry; Web of Science Categories: Chemistry, Multidisciplinary; WOS:000428112600014
13.	Geantă, V., Voiculescu, I., Istrate, B., Diana M Vranceanu , Ciocoiu, R., & Cotruț, C. M., <i>The Influence of Chromium Content on the Structural and Mechanical Properties of AlCr_xFeCoNi High Entropy Alloys</i> , International Journal of Engineering Research in Africa, Vol. 37, 2018 , 23-28, Trans Tech Publications
14.	M. Târcolea, D. Vlăsceanu, C.M. Cotrut, Diana M Vranceanu , R.M. Comăneanu, <i>Mechanical Effects of Simulated Pressure and Temperature Conditions on Porcelain Dental Bridges</i> , Solid State Phenomena, vol. 216, 2014, pag. 157-162; Doi: 10.4028/www.scientific.net/SSP.216.157; Document Type: Conference Paper; Research Areas: Materials Science; Web of Science Categories: Materials Science, Multidisciplinary; Accession Number: WOS:000347924100027;
15.	C.M. Cotruț, M. Târcolea, Diana M Vranceanu , A.I. Gherghilescu, N. Ghiban, F. Baci, I.C. Ionescu, <i>Stainless Steel Brackets: In Vitro Corrosion Behaviour And Mechanical Debonding Test</i> , Solid State Phenomena, vol. 216, 2014, pag. 187-193; DOI: 10.4028/www.scientific.net/SSP.216.187; Document Type: Proceedings Paper; WOS:000347924100032;
16.	M. Dinu, V. Braic, G. Coleașe, F. Baci, C.M. Cotruț, M. Braic, M. Târcolea, C. Vițelaru, A. Vlădescu, Diana M Vranceanu , <i>TiSiN coatings for improved bond strength of CoCr alloy to dental ceramic</i> , Key Engineering Materials, vol. 587, 2014, pag. 275-281; Doi: 10.4028/www.scientific.net/KEM.587.275; Document Type: Proceedings Paper; Research Areas: Materials Science; Web of Science Categories: Materials Science, Ceramics; Materials Science, Multidisciplinary; Materials Science, Biomaterials; Accession Number: WOS:000336185000045;
17.	C.M. Cotruț, S. Ciucă, F. Miculescu, I. Antoniac, M. Târcolea, Diana M Vranceanu , <i>The Influence of Classical and Modern Manufacturing Technologies on the Properties of Metal Dental Bridges</i> , Key Engineering Materials, vol. 583, 2014, pag. 163-168; Doi: 10.4028/www.scientific.net/KEM.583.163; Document Type: Proceedings Paper; Research Areas: Engineering; Materials Science; Web of Science Categories: Engineering, Biomedical; Materials Science, Multidisciplinary; Accession Number: WOS:000336552600027;
18.	I. Antoniac, Diana M Vranceanu , A. Antoniac, M.G. Albu, <i>The influence of the ceramic phase on the structure of resorbable biocomposites based on collagen</i> , E-HEALTH AND BIOENGINEERING CONFERENCE (EHB), EHB-2011, Document Type: Proceedings Paper; Research Areas: Engineering; Web of Science Categories: Engineering, Biomedical; Engineering, Electrical & Electronic; WOS:000304806300046;

Granturi/proiecte câștigate prin competiție

	Programul/Proiectul	Funcția	Perioada	Durata (ani)	Buget UPB (RON)
Proiecte naționale					
1.	PN III-UEFISCDI, Ctr. Nr. 117PED/2017 (cod depunere PN III-P2-2.1.-PED-2016-1854), Noi acoperiri multifunctionale cu proprietati bioactive, anticorozive si de degradare imbunatatite (DegraCoat)	Director proiect	03.01.2017-02.07.2018	1,5	310.000,00
Proiecte interne					
2.	UPB – GEX. Identifier: UPB–EXCELENȚĂ–2016; Ctr.Nr. 54/2016; Acoperiri nanostructurate, bioactive și antibacteriene obținute prin tehnici avansate asistate electrochimic;(PEDHAg)	Director proiect	26.09.2016-26.09.2017	1	22.000,00