



Curriculum vitae Europass

Informații personale

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Naționalitate(-tăți)	Roman
Data nașterii	31.01.1988
Sex	Masculin

Experiența profesională

Perioada	i) Martie 2014 – Decembrie 2017 ii) Octombrie 2018-prezent
Funcția sau postul ocupat	i) Asistent Cercetare Stiintifica ii) Cercetator post-doctorand
Activități și responsabilități principale	Procesare de filme subtiri cu laser si plasma
Numele și adresa angajatorului	i) Institutul National pentru Fizica Laserilor, Plasmei si Radiatiei Magurele - Ilfov i) Universitatea din Craiova - Facultatea de Stiinte
Tipul activității sau sectorul de activitate	Cercetare Stiintifica

Educație și formare

Perioada	2006-2008 2008-2011 2011-2013 2013-2018
Calificarea / diploma obținută	Studii intrerupte Diploma de Licenta Diploma de Master Diploma de Doctor
Disciplinele principale studiate / competențe profesionale dobândite	Matematica,Fizica

Numele și tipul instituției de învățământ / furnizorului de formare

Universitatea De Vest ,Timisoara , Facultatea de Fizica
Universitatea din Craiova, Facultatea de Matematica-Informatica
Universitatea din Craiova, Facultatea de Fizica
Universitatea din Craiova, Scoala Doctorala , Facultatea de Stiinte

Aptitudini și competențe personale

Specializări și calificări: Operating Systems (Windows ,98, XP);Microsoft Office (Word, Excel, Powerpoint, Acces)

Limba(i) maternă(e)

Romana

Limba(i) străină(e) cunoscută(e)

Autoevaluare

Nivel european (*)

Limba Engleza

Înțelegere		Vorbire		Scriere
Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă
C2	C2	C2	C2	C2

(*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine

Permis(e) de conducere

B

Informații suplimentare

Anexe

Rezultate publicate și diseminate

Articole publicate de către autor în reviste cotate ISI:

I.Tirca, V.Mitran, V.Marascu, S.Brajnicov, V.Ion, F.StokkerCheregi, I.A.Popovici, A.Cimpean, V.Dinca, M.Dinescu, (2017) , *In vitro testing of curcumin based composites coatings as antitumoral systems against osteosarcoma cells* , Applied Surface Science , 425 (Pp 1040-1051),

<https://www.sciencedirect.com/science/article/pii/S0169433217320809>

A. Vlad, R. Birjega, I. Tirca, A. Matei, C. C. Mardare, A. W. Hassel, A. Nedelcea, M. Dinescu, R. Zavoiianu , (2018) , *Pulsed laser deposition of functionalized Mg–Al layered double hydroxide thin films* , Applied Physics A, 124:152 <https://link.springer.com/article/10.1007/s00339-018-1583-8>

Lucrări obișnuite prezentate de către autor la conferințe internaționale:

1. Tirca I.; Dumitrescu N. L. ; Marascu V. ;Bonciu A. ;Brajnicov S. ; Dinescu M. ; Dinca V. ; " Fabrication and characterization of Poly(vinyl alcohol)/Poly(ethylene glycol) thin films for biological applications" ; The 8th international conference on advances materials , 7-10 , iulie , 2015, Bucuresti , Romania ; 946;

2. Dumitrescu N.L. ; Tirca I. ;Bonciu A. ;Marascu V. ;Brajnicov S. ;Dinescu M. ;Dinca V. ; "Study of the solvents influence on the morphological and chemical characteristics of hydroxyapatite thin films deposited by MAPLE";The 8th international conference on advances materials, 7-10, iulie, 2015, Bucuresti, Romania;942

3. Tirca I. ;Palla Papavlu A ; Filipescu M. ; Dinca V. ; Dinescu M. ; Cremer L. ; Calugaru A ; Vase E. ; Coman C. ; "Captopril drug delivery systems via matrix-assisted pulsed laser evaporation";E-MRS 2015 Spring Meeting;11-15;mai;2015;Lille; France;CC 28;
4. S. Brajnicov ; L. Rusen ;M. Filipescu ; N. L. Dumitrescu ; I. Tirca ; M. Dinescu ;V. Dinca ; "Atomic force microscopy study of Polyethylene glycol Polycaprolactone methyl ether copolymer coatings obtained by Matrix Assisted Pulsed Laser Evaporation ";The 8th international conference on advances materials, 7-10, iulie, 2015, Bucuresti, Romania;935
5. A. F. Bonciu ; C. R. Luculescu ; I. Tirca ; "MAPLE gradient deposition of hydroxyapatite-based biocompatible films for tissue engineering" ; The 8th international conference on advances materials, 7-10, iulie, 2015, Bucuresti, Romania;1000
6. I. Tirca, A. Palla Papavlu , L. Cremer , A. Călugaru , E. Vase , C. Coman , M. Dinescu ;
"Application of laser-based methods for the fabrication of Captopril transdermal patches" Conferinta anuala de Imunologie 2-4 , octombrie , 2015 , Bucuresti , Romania
7. I. Tirca , V. Marascu , V. Ion , S. Brajnicov , V. Dinca and M. Dinescu " Hybrid biodegradable copolymer based coatings for in vitro osteosarcoma studies " ; E-MRS 2016 Spring Meeting ; 2-6 mai 2016 Lille France ;
8. A. Vlad , R. Birjega , A. Matei , I. Tirca , M. Dinescu , R. Zavoianu , O.D. Pavel , M.C. Corobea; "Nanocomposite dodecylsulfate-modified Mg-Al layered double hydroxide thin films deposited via laser technique" NANOTECH 2016 ; 22-25 , mai , 2016 , Washington , DC
9. I. Tirca , V. Marascu , S. Brajnicov , V. Dinca , D. Pelinescu , I. Sarbu , V. Mitran , A. Campean , M. Dinescu "In vitro evaluation of antitumoral activities of Curcumin loaded biodegradable copolymer" ,Bucharest University Faculty of Physics 2016 Meeting , 17 iunie 2016 ,Bucuresti , Romania
10. I. Tirca , V. Marascu , N. L. Dumitrescu , A. Bonciu , S. Brajnicov , V. Ion , M. Dinescu , V. Dinca "Curcumin loaded biodegradable copolymer coatings obtained by MAPLE technique" , Bucharest University Faculty of Physics 2015 Meeting , 19 iunie 2015,Bucuresti,Romania
- 11.L.N. Dumitrescu, I. Tirca, V. Ion, A. Moldovan, V. Marascu, V. Dinca, M. Dinescu "Polyvinylidenefluoride thin films deposited by MAPLE" ICPEPA-10 10TH INTERNATIONAL CONFERENCE ON PHOTOEXCITED PROCESSES AND APPLICATIONS, AUGUST 29 – SEPTEMBER 2 , 2016, Brasov , Romania
12. A. Marinescu , A. Matei , A. Vlad , R. Birjega , M. Filipescu , V. Marascu , M. Dinescu , I. Tirca , R. Zavoianu ,O. D. Pavel , C. Corobea "The selection of optimal deposition conditions for producing thin films of Mg-Al LDH using laser techniques" ICPEPA-10 10TH INTERNATIONAL CONFERENCE ON PHOTOEXCITED PROCESSES AND APPLICATIONS, AUGUST 29 – SEPTEMBER 2 , 2016, Brasov , Romania
13. I. Tirca , V.Marascu , S.Brajnicov , V.Dinca , D. Pelinescu , I. Sarbu , V. Mitran , A.Campean , M.Dinescu "In vitro evaluation of antitumoral and antibacterial activities of Curcumin loaded biodegradable copolymer" ICPEPA-10 10TH INTERNATIONAL CONFERENCE ON PHOTOEXCITED PROCESSES AND APPLICATIONS, AUGUST 29 – SEPTEMBER 2 , 2016, Brasov , Romania
14. A. Vlad , I. Tirca , R. Birjega , A. Matei , M.Dumitru , M. Dinescu , V. Marascu , R. Zavoianu , M. C. Corobea "Comparison of different routes for the manufacture of intercalated dodecyl sulfate Mg,Al-layered double hydroxides

composite thin films using laser techniques" ICPEPA-10 10TH INTERNATIONAL CONFERENCE ON PHOTOEXCITED PROCESSES AND APPLICATIONS, AUGUST 29 – SEPTEMBER 2, 2016, Brasov, Romania

15. A. Vlad, R. Birjega, A. Matei, I. Tirca, M. Dinescu, R. Zavoianu, M.C. Corobea "Conditions for the deposition of organo-layered double hydroxides hybrid thin films by laser techniques" 3ICPAM-11 11th International Conference on Physics of Advanced Materials September 8-14, 2016, Cluj-Napoca, Romania

16. A. Vlad, R. Birjega, A. Matei, I. Tirca, R. Zavoianu, O.D.Pavel, M.C. Corobea, M. Dinescu "Hybrid organic chromophores-layered double hydroxide thin films deposited via laser techniques"

E-MRS Fall 2016 September 19 -22, 2016, Warsaw, Polonia

17. L.N. Dumitrescu, I. Tirca, A. Bonciu, V. Marascu, V. Dinca, M. Dinescu "Morphological and topographical investigation of PVDF thin films deposited by matrix assisted by pulsed laser evaporation" THE 5th INTERNATIONAL COLLOQUIUM "PHYSICS OF MATERIALS" (PM 5) 10-11 Noiembrie 2016, Bucuresti, Romania

18. I. Tirca, A. Vlad, A. Rotaru, R. Birjega, M. Secu, A. Matei, R. Zavoianu, M. Dinescu "Coumarin intercalated layered double hydroxides thin films prepared by laser techniques" Central and Eastern European Committee for Thermal Analysis and Calorimetry. 28-31 august 2017, Chisinau, Moldova

19. I. Tirca, A. Vlad, M. Secu, R. Birjega, R. Zavoianu, V. Marascu, A. Marinescu, M. Dinescu

"Properties of Layered Double Hydroxides (LDHs) thin films deposited by laser techniques" Central and Eastern European Committee for Thermal Analysis and Calorimetry. 28-31 august 2017, Chisinau, Moldova

20. A. Vlad, R. Birjega, I. Tirca, A. Matei, A. Rotaru, R. Zavoianu, C.C. Mardare, A.W. Hassel, M. Dinescu "The fabrication of organic-inorganic thin films based on layered double hydroxides materials using laser techniques" E-MRS 2017 Spring Meeting; 22-26 mai 2017 Strasbourg, Franța;

