Anexa 2a

Titlu proiect: *Dezvoltarea de metode inovative pentru biofunctionalizarea oseointegrativa a suprafetelor unor noi bioaliaje de titan*
Categoria de proiect: *PN-II-RU-TE*
Contractul de finanţare: *18/2013*
Manager proiect: *Cora Vasilescu*

Lista rezultate

Nr. crt.	NUME AUTORI	TITLUL ARTICOLULUI/ CĂRŢII / COMUNICĂRII ŞTIINŢIFICE	REVISTA / VOLUMUL/EDITURA IN CARE A APARUT / CONFERINTA LA CARE S-A COMUNICAT	ANUL PUBLICARII/ COMUNICARII
ARTICOLE ISI				
1	C. Vasilescu, S. I. Drob, P. Osiceanu, M. Anastasescu, J. M. C. Moreno, P. Drob, E. Vasilescu	The morphostructural, compositional, and electrochemical characterization of electrodeposited nanolayers on a new Ti-15Ta-5Zr alloy	J. Nanomater, Volume 2014, Article ID 369034	**2014**
2	C. Vasilescu, S. I. Drob, J. C. Calderon Moreno, P. Osiceanu, M. Popa, E. Vasilescu, M. Marcu, P. Drob	Long-term corrosion resistance of new Ti-Ta-Zr alloy in simulated physiological fluids by electrochemical and surface analysis methods	Corros. Sci, 93, 310-323,	**2015**
3	C. Vasilescu, S. I. Drob, P. Osiceanu, P. Drob, J.M. Calderon Moreno, S. Preda, S. Ivanescu, E. Vasilescu	Surface analysis, microstructural, mechanical and electrochemical properties of new Ti-15Ta-5Zr alloy	Met. Mater. Int., 21 (2), 242-250,	**2015**
4	C. Vasilescu, S. I. Drob, P. Osiceanu, J.M. Calderon Moreno, P. Drob, E. Vasilescu,	Characterisation of passive film and electrochemical behaviour of a new Ti-Ta-Zr alloy in artificial oral media: in time influence of pH and fluoride ion content	Mater. Corros., 66 (9), 971-981	**2015**
5	C. Vasilescu, S. I. Drob, M. Popa, J. M. C. Moreno, M. Anastasescu, M. Marcu	Electrochemical and surface characterization of a new Ti-Ta-Zr alloy covered with biomimetic bovine serum albumin	Int. J. Electrochem. Sci., 11, 7076-7088	**2016**
COMUNICARI STIINTIFICE NATIONALE				
1	M. Popa, C. Vasilescu, S. I. Drob, J. M. C. Moreno, M. Anastasescu, M. Marcu	Characterization of a biomimetic coating applied on surface of new ternary Ti-Ta-Zr alloy	ROMPHYSCHEM 16	**2016**
COMUNICARI STIINTIFICE INTERNATIONALE				
1	C. Vasilescu, S. I. Drob, J. M. C. Moreno, P. Drob, M. Popa, E. Vasilescu	Surface protection obtained by anodic oxidation of new Ti-Ta-Zr alloy	19th International Corrosion Congress	**2014**
2	C. Vasilescu, S. I. Drob, P. Osiceanu, J. M. C. Moreno	Corrosion resistance of new ternary Ti-Ta-Zr alloy in artificial saliva simulating severe functional conditions	17th Topical Meeting of the International Society of Electrochemistry	**2015**
3	C. Vasilescu, S. I. Drob, P. Osiceanu, J. M. C. Moreno	Bioactivity increase of novel ternary Ti based alloy by hydroxyapatite nanocoating	XXII International Symposium on Bioelectrochemistry and Bioenergetics, of the Bioelectrochemical Society	**2015**

4	C. Vasilescu, S. I. Drob, P. Osiceanu, J. M. C. Moreno	Obtaining, characterisation and protective properties of hydroxyapatite coating on new Ti-Ta-Zr alloy surface	EUROCORR 2015, European Corrosion Congress	**2015**
5	C. Vasilescu, S. I. Drob, S. Preda, J. M. C. Moreno, P. Osiceanu	Passive film characterization on new ternary Ti-Ta-Zr Alloy Surface	66th ISE Annual Meeting	**2015**
6	C. Vasilescu, S. I. Drob, P. Osiceanu, M. Anastasescu, J. M. C. Moreno	Modification of the new Ti-Ta-Zr alloy surface by electrodeposition. Electrochemical and structural characterization of obtained nanolayer	19th Topical Meeting of the International Society of Electrochemistry	**2016**
7	C. Vasilescu, S. I. Drob, M. Popa, J. M. C. Moreno	Characterization of passive film on new ternary Ti-Ta-Zr alloy surface	6th Baltic electrochemistry Conference	**2016**
CERERI BREVET DE INVENTII/BREVET OBTINUT				
1	C. Vasilescu, J. M. C. Moreno, S. I. Drob, M. Popa	Metoda de depunere proteina biomimetica pentru biofunctionalizarea oseointegrativa a suprafatei noului aliaj Ti-15Ta-5Zr	OSIM	**2016**

Lista achiziţiilor realizate în cadrul proiectului

Denumire echipament	**Categorie de achiziţii*: (numai mijloace fixe)**	**Valoarea (lei)**	**Locaţie**
Program Kaspersky	IMOBILIZARI NECORPORALE	284,35	ICF
Calculator Ultrabook Toshiba	IMOBILIZARI CORPORALE	4.266,70	ICF

Director proiect,

Cora Vasilescu