

Europass curriculum vitae



Personal information

Surname(s) / First name(s)

Alexandru Petrică

Address(es)

23, Călugăreni Street, 80690, Galați, Romania

E-mail(s)

palexandru61@yahoo.com, palex@ugal.ro

Nationality(-ies)

romanian

Date of birth

27/09/1961

Gender

male

Work experience

Dates

01/10/1997-present

Occupation or position held

Assistant professor

Main activities and responsibilities

Courses teaching, leading for license works, leading for laboratory works, leading for dissertation works, leading for scientific student groups,

Name and address of employer

University „Dunărea de Jos din Galați”, Faculty of Metalurgy and Materials Science, 111, Domnească Street, 800 201, Galați, Romania

Type of business or sector

Higher education, Scientific research activity,

Dates

01/10/1990-01/10/1997

Occupation or position held

Assistant

Main activities and responsibilities

Leading for laboratory works, leading for scientific student groups,

Name and address of employer

University „Dunărea de Jos din Galați”, Faculty of Metalurgy and Materials Science, 111, Domnească Street, 800 201, Galați, Romania

Type of business or sector

Higher education, Scientific research activity,

Dates

01/01/1990-01/10/1990

Occupation or position held

Assistant acting

Main activities and responsibilities

Leading for laboratory works, leading for scientific student groups,

Name and address of employer

University „Dunărea de Jos din Galați”, Faculty of Metalurgy and Materials Science, 111, Domnească Street, 800 201, Galați, Romania

Type of business or sector

Higher education, Scientific research activity,

Dates

01/10/1989-01/10/1990

Occupation or position held

Assistant acting

Main activities and responsibilities

Leading for laboratory works, leading for scientific student groups,

Name and address of employer

University „Dunărea de Jos din Galați”, Faculty of Metalurgy and Materials Science, 111, Domnească Street, 800 201, Galați, Romania

Type of business or sector

Higher education, Scientific research activity,

Dates

01/09/1986-01/01/1990

Occupation or position held	Engineer on probation
Main activities and responsibilities	Coordination of production activity of steel bands in cold rolling mills sector
Name and address of employer	S.C. Arcelor-Mittal S.A., Cold Rolling Mill of Bands, 1, Smardan Street, 800 698, Galati, Romania
Type of business or sector	Metallurgy of iron: hot and cold rolling bands, zincate bands

Education and training

Dates	01/10/1981-12/06/1986
Title of qualification awarded	Metallurgical engineer
Principal subjects/Occupational skills covered	Physical metallurgy, Chemical Physics, Plastic Deformation Theory, Cristallography, Thermal and thermochemical treatments
Name and type of organisation providing education and training	University „Dunărea de Jos din Galați”, Higher Education Institution, 111, Domnească Street, 800 201, Galați, Romania
Level in national or international classification	-

Personal skills and competences

Mother tongue(s)

Other language(s)

*Self-assessment**European level (*)***English Language****French Language****romanian**

Understanding		Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production	
B 1	Independent user	B 2	Independent user	B 1	Independent user	B 1	Independent user
B 1	Independent user	B 1	Independent user	B 1	Independent user	B 1	Independent user

(*) Common European Framework of Reference (CEF) level

Social skills and competences

Team and communication spirit capacity, I have worked in research teams

Organisational skills and competences

I have worked in the admission commissions for University „Dunărea de Jos din Galați”, Faculty of Metalurgy and Materials Science

Technical skills and competences

Numerical modeling in thermal treatments, two inventions (one invention is in use to S.C. Galfinband S.A. Galati by over 6 years)

Computer skills and competences

Microsoft Office (Word, Excell, Power Point), Matlab, Inventor

Artistic skills and competences

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Other skills and competences

Hobby: mechanical constructions, practical electronics, fishing

Driving licence(s)

Driving license type B

Additional information

Author or co-author for 3 books, over 50 scientific works and coworker to 15 research them

RESEARCH ACTIVITY (2004-2010)

I. PUBLISHED PAPERS

1.1. Published papers in ISI indexed publications, type A as per CNCIS

Title	Authors	Publication, No., year, pages
1. Magnetic Materials From Co-Precipitated Ferrite Nanoparticles	Viorica MUȘAT, Octavian POTECAȘU, Radu BELEA, Petrică ALEXANDRU	Materials Science & Engineering. B, Solid-State Materials For Advanced Technology, ISSN 0921-5107, vol. 167, nr. 2, pag. 85-90, 15 martie 2010
2. Material Hardened with Fine Films of Dispersed Oxyde Through Plastic Deformation	Octavian POTECAȘU, Florentina POTECAȘU, Elena DRUGESCU, Petrică ALEXANDRU	Metalurgia International, special issue nr.11/2009, ISSN 1582 – 2214, pag. 56 – 61
3. Characterization of some powders used as addition materials in laser cladding technology	Sanda LEVCOVICI, Petrică ALEXANDRU , Simona BOICIUC,	Metalurgia International, nr.2/2009, ISSN 1582 – 2214, pag. 49 – 55
4. Research regarding the influence of the deformation degree on the characteristics of deep drawing sheet steel	Octavian POTECAȘU, Tamara RADU, Florentina POTECAȘU, Petrică ALEXANDRU	Metalurgia International, No. 4/2008, ISSN 1582 – 2214, pag. 16 - 23
5. Blast furnace iron lining runners in term of structural characterisation,	Marian BORDEI, Anisoara CIOCAN, Florentina POTECAȘU, Petrică ALEXANDRU ,	Metalurgia International, No. 5/2008, ISSN 1582 – 2214, pag. 45 – 48

1.2. Published papers , BDI indexed publications, type B as per CNCIS

Title	Authors	Publication, No. year, pages
1. Researches on the Viscoplastic Behavior of a CrMo Alloyed Steel	Nicolae CĂNĂNĂU, Petrică ALEXANDRU , Liviu GURĂU, Gh. GURĂU	The Annals Of 'Dunărea De Jos' University Of Galați ,Fascicle IX Metallurgy And Material Science, ISSN 1453 –083X, nr. 1/2009, pag. 23-27
2. Steel Straps with High Breaking Strength Obtained Through Continuous Flux Thermal Treatment	Elena DRUGESCU, Tiberiu POTECAȘU, Octavian POTECAȘU, Petrică ALEXANDRU	SIM 2009 – Buletinul Institutului Politehnic din Iasi, 2009, tomul LV(LIX), fasc.1, pag 215-221
3. Establishing of the Constitutive Law of a CrMo Alloyed Steel	Nicolae CĂNĂNĂU, Petrică ALEXANDRU , Liviu GURĂU, Gh. GURĂU	The Annals Of 'Dunărea De Jos' University Of Galați ,Fascicle IX Metallurgy And Material Science, ISSN 1453 –083X, nr. 2/2009, pag. 5-8
4. Experimental Studies Regarding the Implementation Possibilities of a Quality Control System for Ceramic Products in Continuous Flux Production,	Tiberiu POTECAȘU, Octavian POTECAȘU, Petrică ALEXANDRU , Luminița DUMITRIU, Rui SILVA	The Annals Of 'Dunărea De Jos' University Of Galați ,Fascicle IX Metallurgy And Material Science, ISSN 1453 –083X, nr. 1/2009, pag. 33-41
5. Researches concerning the deformation behaviour of a low carbon steel	Nicolae CANANAU, Petrică ALEXANDRU , Gheorghe GURAU, Ionel PETREA	The Annals Of 'Dunărea De Jos' University Of Galați ,Fascicle IX Metallurgy And Material Science, ISSN 1453 –083X, 2008 nr1, , pag.47-50

6. XRD Analysis in Front of a Corrosion Crack tip, C.	S. LEVCOVICI, V. PĂUNOIU, L. GHEORGHIȘ, C. OANCEA, I. OSTACHE, P. ALEXANDRU	The Annals Of 'Dunărea De Jos' University Fascicle IX Metallurgy And Material Science, ISSN 1453 –083X, 2008 No. 1, , pag.37-46
7. The Influence of Cold Rolling on the Mechanical Characteristics for Drawing Steels	Octavian POTECASU, Florentina POTECASU, Petrică ALEXANDRU , Tamara RADU,	The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle IX Metallurgy And Material Science, ISSN 1453 –083X, 2008 No. 1, , pag.55-61
8. On The Constitutive Equation Of A Low Carbon Steel	Nicolae CANANAU, Petrica ALEXANDRU , Ionel PETREA, Gheorghe GURAU,	The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle IX Metallurgy And Material Science, ISSN 1453 –083X, 2008 No. 2, , pag.17-20
9. The Hardening Of Thin Bands By Plain Carbon Steel With Low Content Of Carbon By Quenching	P. Alexandru	The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle IX Metallurgy And Material Science, ISSN 1453 –083X, No. 1 2004. pag. 78 – 81
10. The Plastic Deformation Of Steel Sheets For Enameling And Defects Of Enameled Layer	P. Alexandru	The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle IX Metallurgy And Material Science, ISSN 1453 –083X, No. 1 2004. pag. 49 –53
11. Researches Concerning The Correlation Of The Semiplanetary Rolling Process Factors	N. Cănanău, P. Alexandru , Gh. Gurău, A. Preda	The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle IX Metallurgy And Material Science, ISSN 1453 –083X, No. 1 2006. pag. 15 –18
12. Experimental Equation of Deformation Behaviour of a Concrete Steel	N. Cananau, Gh. Gurau, P. Alexandru , Gh. Corobete	The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle IX Metallurgy And Material Science, ISSN 1453 –083X, No. 2 2006. pag. 23 –26
13. Polimeric Matrix Composites Hardening with Rocks by Macin Mountains	O.Potecasu, F.Potecasu, P. Alexandru	Metalurgia No.3, ISSN 0461-9579, (2005) , pag . 5 – 9
14. The Quenching Of Low Carbon Steel Thin Strips	E. Drugescu, P. Alexandru	Metalurgia International, No.3, ISSN 1582 – 2214, (2005) , pag . 22-27.
15. Elastoplastic model for the metallic bars under thermal treatments	P. Alexandru , O. Potecașu	Metalurgia International, No.4, ISSN 1582 – 2214, (2005) , pag . 39-45.
16. Properties of extruded semi-products of superficial oxidated lead powder	F. Potecasu, O. .Potecasu, P. Alexandru	Metalurgia International No.6 - Issn 1582 – 2214, (2005) , pag . 26 – 32
17. The obtaining of superficial oxidized lead powder	F.Potecasu, O.Potecasu, P. Alexandru	Metalurgia International No.7 - Issn 1582 – 2214, (2005) , pag . 21 – 24
18. Hardened Aluminium with Discontinuous Copper Threads	O. Potecasu, F. .Potecasu, P. Alexandru	The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle Ix Metallurgy And Material Science, ISSN 1453 –083X, No.2, 2006, pag. 83-85
19. Electroplastic Model for the Steel Bars under Thermal Treatments	P. Alexandru , O. Potecasu, F. Potecasu	The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle IX Metallurgy And Material Science, ISSN 1453 –083X, 2005, pag. 93 – 98.
20. Electroconducting Composites with Components Arranged in Coils	O. Potecasu, F. .Potecașu, P. Alexandru	The Annals Of 'Dunărea De Jos' University Of Galați , Fascicle IX Metallurgy And Material Science, ISSN 1453 –083X, No. 2, 2004. pag. 82 – 87

1.3. Papers in extenso published in a scientific international conference volumes, with editors, ISBN and international publishing houses, inclusive BDI indexed

Title	Authors	Conference (book)	Year, Pages	Publishing House	Editor	ISBN
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1. Research on the Factors that Have an Influence upon the Structures and Properties of the A ₅ Steel Strips Intended for Deep-Drawing	F.Potecașu, O.Potecașu, P.Alexandru , S.Dobrovici, N.Cazacu	The 14 th international metallurgical and materials Conference, Metal 2005, 24-26 May 2005, ISBN 80-86840-13-1, Society for New materials and Technology, ASM International Czech Chapter, Technical University Ostrava, (Proceedings on CD)	2005 paper.119	Tanger, spol.s.r.o., Ostrava	Miroslav Kursa, Jiri Kliber	ISBN 80-86840-13-1
2. A model of elasto-plastic behavior for the metallic bars subdued to the thermal treatments	P.Alexandru , O.Potecașu, N.Cazacu, F.Potecașu, S.Dobrovici	The 14 th international metallurgical and materials Conference, Metal 2005, 24-26 May 2005, ISBN 80-86840-13-1, Society for New materials and Technology, ASM International Czech Chapter, Technical University Ostrava, (Proceedings on CD)	2005 paper 117	Tanger, spol.s.r.o., Ostrava	Miroslav Kursa, Jiri Kliber	ISBN 80-86840-13-1
3. Influence of the deformation degree on the structure and mechanical characteristics of steel sheets intended for producing car bodies	F. Potecasu, O. Potecasu, P. Alexandru , D. Hanganu, S. Balint	The 12th International Metallurgy & Materials Congress and Fair 28-30 sept 2005 Istanbul, Turcia, e-book	2005 p.89-95	Chamber of Metallurgical Engineers of Turkey	Dr. Burak Ozkal, G.Orhan	ISBN 9944-89-073-1.
4. Microstructure of the extruded semi-products of oxidized lead powder	F. Potecasu, O. Potecasu, N. Cazacu, P. Alexandru	The 12th International Metallurgy & Materials Congress and Fair 28-30 sept 2005 Istanbul, Turcia, e-book	2005 p.941-944	Chamber of Metallurgical Engineers of Turkey	Dr. Burak Ozkal	ISBN 9944-89-073-1.

2. Researches as contract themes

Title of contract	Beneficiary	Director (name, pronoun)	Identification code
1. The plating of active surfaces tools with speed steel using laser beam. Program INVENT 2004-2005 (collaborator)	UZINSIDER ENGINEERING. SA Galați	Responsible subcontract Levcovici Sanda	Program INVENT Contract 361/2004-2005
2. Method of traction stress decrease to continuum casting of slabs. Program INVENT 2004-2006 (collaborator)	UZINSIDER ENGINEERING. SA Galați	Responsible subcontract Cananau Nicolae	Program INVENT Contract 174/2004-2005
3. New technology for plate products by special steels with high added value, (collaborator)	INSTITUTE OF METALLURGICAL RESEARCH - Bucharest	Responsible subcontract Radu Tamara	PNCDI2 - Program 4 - Domain 7
4. The oxidic multipurpose nanostructured films obtained by chemical wet methods, (collaborator)	MINISTRY OF EDUCATION AND RESEARCH-CNCSIS	Musat Viorica	CNCSIS 667/2007-2008
5. Multifunctional zinc oxide-based nanostructures: from materials to a new generation of devices - MULTINANOWIRES (collaborator)	MINISTRY OF EDUCATION AND RESEARCH-CNCSIS	Musat Viorica	Proiect nr. MNT 7-029/2010, 2010-2012,