



Curriculum vitae Europass



Personal Information

Name / Surname **Caramitu, Alina, Ruxandra**

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E-mail alina_caramitu@icpe-ca.ro;
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Nationality Romanian

Date of birth 19/08/1967

Sex Female

Workplace / Occupational field **INCDIE ICPE CA / polymer**

Work experience

Period 2005-2016

Occupation or position held Principal Engineer grade I

Main activities and responsibilities	<p>Advances Materials</p> <ul style="list-style-type: none"> • Characterization of composites (mechanic, thermic); • Characterization of biodegradable composites with applications in the automotive industry; • Determination of thermal endurance for different types of electrical insulations; • Lifetime estimation for polyamide composites; • Tests for determining the degree of swelling in water and solvents of various polymers. • Dielectric characterization of polymeric composite materials • Evaluating the lifetime of polymer protective films under the synergic action of climatic stressors. Determination of remaining life time for painted industrial systems in operation <p>Patent Applications:</p> <ul style="list-style-type: none"> • AR Caramitu, S. Mitrea, N. Stancu, N. Butoi, A-M Luchian "Degradation Determination Device and Method for Assessing the Lifetime of Paint Coats" with registration number at OSIM: A / 00979 / 27.11.2017 • I, Lingvay, E. Radu, A. R. Caramitu, S. A. Mitrea, G. Oprina, A. Voina "Method for determining frequencies representative in microbial and algal cell behavior" with registration No OSIM A / 00091 / 02.09.2016 • AATEisanu, A. Bara, AR Caramitu, S. Mitrea, P. Barbu, M. Iordoc and C. Banciu "Composite material for structural elements in spacecraft properties protected against ionizing radiation and electromagnetic" with registration number at OSIM A010019 / 17.12.2015: • C. Mateescu, I. Lingvay, A.R. Caramitu, N. Tanase, E. Radu no. for registration with OSIM A / 00269 / 14.04.2016: "Biomass stimulating process and biogas plant" • AR Caramitu, I. Ion., S.A. Mitrea, Sbârcea Gabriela G., C. Groza "Biodegradable Composite Materials" with registration number at OSIM A / 00765 / 10.29.2012 <p>Title procedures:</p> <ul style="list-style-type: none"> o "Determination of estimated lifetime for multilayer film coatings (paint)" CODE: PI-19 11/2017 and o "Determination of remaining life time for multilayer polymer systems (paint) deposited on metal substrate COD: PI-20 11/2017. <p>Work instruction with the title: "Working instruction - SOLARTRON dielectric spectrometer" Code IL MAV-06.1.</p> <p>Published books:</p> <ul style="list-style-type: none"> • "Composite materials. Behavior to Some Degradation Factors ", Electra Publishing House ISBN 973-7728-34-3 published in 2005. • "Biodegradable Composites with Applications in Car Interior Design" Author coordinator Printech Publishing House ISBN 978-606-521-390-6 published in 2009.
Name and address of employer	INCDIE ICPE CA Splaiul Unirii, no. 313
Type of business or sector	Research & Development
Education and training	
Period	1993-2005
Occupation or position held	Principal Engineer grade I

Main activities and responsibilities	<ul style="list-style-type: none"> - Research on obtaining and characterization of new composite materials based on fibrous cellulose fibers and synthetic inorganic technical uses (such as electronic materials, thermal insulation and soundproofing) - radiation effects on composite materials and polymer-based fibers - Determination of endurance thermal insulating materials used in electric motors Asynchronous - different behavior of composite materials to request combined humidity, temperature and radiation - Obtaining and characterization of composite materials to use as cable insulation - Obtaining and characterization of fibrous composite materials - Obtaining and characterization of composite materials biodegradable - Chemical analysis by Atomic Absorption Flame Spectrometry - Electromagnetic shielding tests - Detect potential ingredients for health risk factor in food - A book published in the field of composite materials 																								
Name and address of employer	SC ICPE SA Splaiul Unirii, no. 313																								
Type of business or sector	Research & Development																								
Qualification / diploma	PhD in Engineering / Diploma of doctor																								
Principal subjects / occupational skills	Pulp and paper technology-fiber composite materials																								
Name and address of employer / training provider	Gh Asachi Iasi University / Faculty of pulp and paper																								
Level in national or international	-																								
Personal skills and competences																									
Language (s) mother (s)	Romanian Language																								
Language (s) language (s) name (s)																									
Self																									
European level (*)																									
English	<table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="2">Speech</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th>Spoken</th> <th>Spoken</th> <th colspan="2">Writing</th> </tr> </thead> <tbody> <tr> <td>A1</td> <td>Basic User</td> <td>A1</td> <td>Basic User</td> <td></td> <td>Nu</td> <td></td> <td>Nu</td> </tr> </tbody> </table>	Understanding				Speech		Writing		Listening		Reading		Spoken	Spoken	Writing		A1	Basic User	A1	Basic User		Nu		Nu
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Listening		Reading		Spoken	Spoken	Writing																			
A1	Basic User	A1	Basic User		Nu		Nu																		
	(*) <i>Common European Framework of Reference for Languages</i>																								
Social skills and competences	<ul style="list-style-type: none"> - Team spirit - good communication skills 																								
Organisational skills and competences	<ul style="list-style-type: none"> - Sense of organization - the activity dopbandit in collaboration with project partners - Good experience in project or team management. 																								
Technical skills and competences	<ul style="list-style-type: none"> - good knowledge of quality control processes - polymer composite processing methods - interpretation of the behavior of certain composite materials 																								
Skills and computer use	<ul style="list-style-type: none"> - Good command of Microsoft Office tools (Word, Excel, PowerPoint, Adobe Reader) professional background - basic knowledge of computer graphics applications (OriginPro 7.0, PhotoShop)- professional context. 																								
Artistic skills and competences	Arras basket during free																								

Other skills and competences | -

Permit (s) driving | Do not have driving license

Additional Information | -

Signature



ANNEX

Scientific papers published in journals and scientific manifestations over the past 2 years

Scientific papers published in journals with a relatively non-zero impact factor (2016-2017):

1. The Thermooxidation and Resistance to Molds Action of Some Polyethylene Sorts Used at Anticorrosive Insulation of Underground Pipelines. Published in the Journal of Plastics vol. 54, no.3, page no. 447-452. -Adriana Mariana BORS, Nicoleta BUTOI, Alina Ruxandra CARAMITU, Virgil MARINESCU, Iosif LINGVAY -2017 impact factor 0.166
2. The resistance of some painting materials aged by thermal cycling and exposed to an electric field of 50 Hz to the action of molds - Published in the Journal of Plastic Materials vol 54, no. 2, page no. 331- 337.-Alina CARAMITU, Nicoleta BUTOI, Traian RUS, Ana-Maria LUCHIAN, Sorina MITREA-2017 impact factor 0.166

Scientific papers / scientific papers published at scientific events (conferences, seminars, workshops, etc.):

1. Comparative study of the thermal stability and UV resistance of some paint layers for electro-energetic equipments. published at the International Conference DEMISEE 2016 Diagnostics of Electrical Machines and Insulation Systems in Electrical Engineering 20 - 22.06.2016.-T. Rus, A. Caramitu, S. Mitrea, and I. Lingvay-2016.
2. Comparative study of the thermal stability and UV resistance of some commonly used PPG paint layers. International Conference VEKOR 19-21 April 2016, Balaton, Hungary.-T.Rus, D.I.Vaireanu, A.Caramitu, S.Mitrea-2016.
3. Resistance to microbiological, deterioration of some paint materials. International Conference VEKOR 19-21 April 2016, Balaton, Hungary. -Elena, J. Lingvay, A. Caramitu-2016.
4. Durability of corrosion protection coatings of electrical installations - Presented at the 22nd Energy Engineering Conference CIE 2016 02-04.06.2016. Journal of Sustainable Energy; vol. 7, no. 2, pp. 44-47, CNCSIS Code B + -A. Caramita, A. Voina, T. Rus, I. Lingvay-2016.
5. Influences of 50Hz electric fields on growth and multiplication of microorganisms - Influences of 50hz electric fields on growth and multiplication of some microorganisms Presented at the 22nd Energy Engineering Conference CIE 2016 02-04.06.2016. Journal of Sustainable Energy; VOL 7, No 2, pp. 62-66 CNCSIS Code B + -A.Voina, E.Radu, A. Caramitu, M. Lingvay, G. Alecu-2016.
6. WC-Cu electrical contacts developed by the Spark Plasma Sintering Process, published in: Fundamentals of Electrical Engineering (ISFEE), 2016 International Symposium on, 30 June-2 July 2016, DOI: 10.1109 / ISFEE.2016.7803212, Publisher : IEEE, Electronic ISBN: 978-1-4673-9575-5 ISBN: 978-1-4673-9576-2-V ISBN: 978-1-4673-9574-8, Print on Demand (PoD). Tsakiris, E. Enescu, A. Radulian, M. Lucaci, M. Lungu, N. Mocioi, L. Leonat, D. Cirstea, A. Caramitu-2016.
7. Safety in operation of metal posts to support electrical equipment and installations: case analysis "Published in Electrotehnica, Electronica, Automatica (magazine categorized B +), 2017, vol. 65 (1), pp. 81-G. Oprina, T. Rus, D. Lingvay, A. Caramitu, S. ,. Mitrea-2017
8. The Influence of Biological Factors on the Durability and Safety in Operation of Electrical and Energy Equipment and Installations "Published in Electrotehnica, Electronica, Automatica (magazine classified B +), 2017, vol 65 (1), pp. 72-80, ISSN 1582- 5175.-N. Barrel, A-M. Luchian, A. Caramita, S. Mitrea, T. Rus-2017.
9. "Resistance to microbiological deterioration of some paint materials" International Corrosion Conference "VEKOR" -. Apr. 25-27, 2017. Balatonfüred - HU-J. Lingvay, A. Caramitu, N. Butoi-2017.
10. Georgeta VELCIU, Alina-Ruxandra CARAMITU, Adriana MOANTA, JANA PINTEA Ladislau RADERMACHER, Iosif LINGVAY "Electrical and Dielectric Behavior of Cement Mortars" Published in Electrotehnica, Electronica, Automatica, vol. 3. 2017.
11. Georgeta VELCIU, Christu ȚRDEI, Virgil MARINESCU, Alina CARAMITU, Iosif LINGVAY, Adriana MOANȚĂ, "Influence of inorganic powders on electromagnetic mitigation properties of masonry mortars" XIII National Symposium "Pulberi Ceramice", POLITEHNICA University of Bucharest, 11/17/2017