Curriculum vitae Europass

Informaţii personale

PASCU CRISTINA -ILEANA

Craiova (România)

Str.Principatele Unite, nr.9

+40.744.931.172 +40.251.41.66.30

ileana.pascu@edu.ucv.ro

Sexul Feminin | Data naşterii 25/12/1967 | Naţionalitatea română

Domeniul ocupaţional

Învăţământ superior

Locul de muncă actual / Domeniul ocupaţional

UNIVERSITATEA DIN CRAIOVA - FACULTATEA DE MECANICA,
DEPARTAMENTUL AUTOVEHICULE, TRANSPORTURI ŞI INGINERIE INDUSTRIALĂ /
INVATAMANT-CERCETARE

Funcţia sau postul ocupat

2007 - prezent

Activităţi şi responsabilităţi principale

Conferenţiar universitar la Departamentul Autovehicule, Transporturi şi Inginerie Industrială
activitate didactică în domeniul Ingineriei Industriale, autovehicule rutiere, ingineria transporturilor; predare cursuri şi desfăşurare de activităţi aplicative la disciplinele: TOLERANTE SI CONTROL DIMENSIONAL, INGINERIA CALITATII, TEHNOLOGIA MATERIALELOR, CALITATE ASISTATĂ DE CALCULATOR, CALITATE ÎN TRANSPORTURI.
Cercetare ştiinţifică pe direcţiile: materiale compozite utilizate in domeniul automotive, pseudoaliaje, măsurători dimensionale și geometrice, calitatea suprafețelor pieselor prelucrate prin așchiere, controlul calitatii proceselor si produselor, Lean Manufacturing si SixSigma, biomateriale.

Contracte nationale si internationale derulate in calitate de coordonator si membru

- ✓ Research project 273/31.08.2020, Cercetari privind implementarea ingineriei calitatii prin Lean/6S la SC Chester Time SRL, perioada de derulare 2020-2021, încheiat cu INCESA și SC Chester Time SRL, valoare 26775 lei
  Director de proiect
- ✓ Research porject nr.40/30.10.2020, „Măsurători de precizie prin scanare 3D și modelare numerică pentru obiectivul Catedrala Craiovita Nouă, din Craiova", încheiat cu INCESA și S.C. D&I CONSTRUCT SRL, perioada derulare: 2020-2021, valoare:30.100.00 lei.
  Director de proiect
- ✓ Research Project, Programul CPV 793111000-8, parteneri: Primaria Craiova, Studiu privind fluxul de calatori in municipiul Craiova, perioada derulare: 2017-2018, valoare: 67800.00 lei.
- ✓ Research Project, International, GIEDD (finantare din European Regional Development Fund-ERDF), Studiu preliminar asupra stadiului curent al nodurilor intermodale si capacitatii acestora de a dezvolta reteaua TEN-T în partea româna a zonei transfrontaliere România-Bulgaria, perioada derulare: 2017-2018, valoare: 202300.00 Euro.
- ✓ Research Project, programul European Cooperation in Science and Technology, COST - MPNS Action MP0903, titlu: NANOALLOY – Nanoalloys as Advanced Materials: From Structure to Properties and Applications COST Action MP0903, Beneficiar: Comisia Europeana; perioada de derulare: 2010-2013
- ✓ Research Project, programul PN-II-PT-PCCA-2013-4-2094 PARTENERIATE, Cercetarea substituţiei osoase cu materiale biocompozite fabricate prin tehnici specifice metalurgiei pulberilor (BONY), perioada de derulare: 2014-2016, valoare: 1.500.000 lei.
- ✓ POSDRU, axa 1, directia 1.2, 2009-2011, Specializarea personalului didactic universitar pentru functia de „Cadru Didactic Supervizor" de practica industriala / tehnologica si cercetare, Beneficiar: Ministerul Educatiei Cercetarii Tineretului si Sportului, 3.400. 000 lei.

Premii ştiinţifice acordate pe lucrări, burse individuale, câştigate prin competiţii:

- ✓ 2013 : ***Gold medal*** la EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION, E U R O I N V E N T IAŞI – ROMANIA, IVth Edition, May 2013 with pattent application for pattent Biocomposite material for grafting on the trabecular bone tissue comprises nanometric crystalline hydroxyapatite grains and titanium grains autori: **Ileana Pascu**, Gingu O., Ciupitu I., Rotaru P.
- ✓ 2013: **Excellence Diploma** la EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION, E U R O I N V E N T IAŞI – ROMANIA, IVth Edition, May 2013 with pattent application for pattent Biocomposite material containing nanometric hydroxyapatite grains and titanium metallic powder and process for obtaining the same autori: Gingu O., **Ileana Pascu**, Lupu N., Benga G.
- ✓ 2013 : **Silver medal** Excellence Diploma la SALONUL INTERNATIONAL DE INVENTICA PROINVENT 2013,editia a XI-a, 2013, Cluj-Napoca, Romania for pattent Biocomposite material for grafting on the trabecular bone tissue comprises nanometric crystalline hydroxyapatite grains and titanium grains,autori: **Ileana Pascu**, Gingu O., Ciupitu I., Rotaru P.
- ✓ 2013 : **Gold medal** la EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION, E U R O I N V E N T IAŞI – ROMANIA, IVth Edition, May 2013 for pattent Biocomposite material containing nanometric hydroxyapatite grains and titanium metallic powder and process for obtaining the same, autori Gingu O., **Ileana Pascu**, Lupu N., Benga G.
- ✓ 2013: **Excellence Diploma** la EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION, E U R O I N V E N T IAŞI – ROMANIA, IVth Edition, May 2013 for pattent Biocomposite material for grafting on the trabecular bone tissue comprises nanometric crystalline hydroxyapatite grains and titanium grains autori: **Ileana Pascu**, Gingu O., Ciupitu I., Rotaru P.
- ✓ 2013: **Excellence Diploma** la SALONUL INTERNATIONAL DE INVENTICA PROINVENT 2013, editia a XI-a, 2013, Cluj-Napoca, Romania pentru brevetul: Ileana Pascu, Gingu O., Ciupitu I., Rotaru P., Material biocompozit pentru grefarea zonei trabeculare osoase utilizand hidroxiapaptita nanometrica si titan micrometric.
- ✓ 2013: **Excellence Diploma** la EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION, E U R O I N V E N T IAŞI – ROMANIA, IVth Edition, May 2013 for the pattent Biocomposite material containing nanometric hydroxyapatite grains and titanium metallic powder and process for obtaining the same, autori: Gingu O., **Ileana Pascu,** Lupu N., Benga G.
- ✓ 2012 : **Premiul II** la SALONUL INTERNATIONAL DE INVENTICA PRO INVENT, editia a X-a, 2012, Cluj Napoca , pentru cererea de brevet: Material biocompozit şi procedeu de elaborare, autori: Gingu Oana, **Pascu Ileana**, Benga, Gabriel, Lupu Nicoleta.
- ✓ 2012 : **Diplomă de excelență** la SALONUL INTERNATIONAL DE INVENTICA PRO INVENT, editia a X-a, 2012, Cluj Napoca , pentru cererea de brevet: Biocomposite material containing nanometric hydroxyapatite grains and titanium metallic powder and process for obtaining the same.
- ✓ 2012 : **Premiul III si Medalie de Bronz** la Targul International iENA 2012, Nurenberg, Germania, cu cererea de brevet: Biocomposite material containing nanometric hydroxyapatite grains and titanium metallic powder and process for obtaining the same.
- ✓ **Diploma de excelenta** la Targul International iENA 2012, Nurenberg, Germania, cu cererea de brevet: Biocomposite material containing nanometric hydroxyapatite grains and titanium metallic powder and process for obtaining the same, autori: Gingu O., **Ileana Pascu**, Lupu N., Benga G.
- ✓ **Diploma de execelenta** din partea A.N.C.S pentru cererea de brevet: Biocomposite material containing nanometric hydroxyapatite grains and titanium metallic powder and process for obtaining the same, autori: Gingu, O., **Ileana Pascu**, Lupu N., Benga G.
- ✓

Brevete de invenţie confirmate:

1.Inventor(s**): PASCU Ileana**; Gingu O; Ciupitu I; et al., Biocomposite material for grafting on the trabecular bone tissue comprises nanometric crystalline hydroxyapatite grains and titanium grains, Patent Number: RO125714A0, Patent Assignee: UNIV CRAIOVA.
2.Inventor(s): Gingu O; **PASCU Ileana**; Lupu N; et al, BIOCOMPOSITE MATERIAL containing nanometric hydroxyapatite grains and titanium metallic powder AND PROCESS FOR OBTAINING THE SAME, Patent Number: RO125713A0, Patent Assignee: UNIV CRAIOVA; INST NAT CERC DEZVOLTARE FIZICA TEHNICA.

Activitatea didactică şi cercetare ştiinţifică în mediul universitar

66 Lucrari stiintifice publicate in reviste ISI si BDI dintre care se amintesc:

1. **Cristina Ileana Pascu,** Ştefan Gheorghe, Andrei Rotaru, Claudiu Nicolicescu, Nicoleta Cioateră, Adrian Sorin Roșca, Petre Rotaru*, Ti-based composite materials with enhanced thermal and mechanical properties*, Ceramics International, ISSN 0272-8842, Vol. 46, Issue 18, Part B, Pages 29358-29372, 2020, *ISI Impact Factor = 4,527,* WOS:000582504100002, DOI: 10.1016/j.ceramint.2020.08.207
Revistă în zona roșie, Category Quartile Q1, MATERIALS SCIENCE, CERAMICS
https://doi.org/10.1016/j.ceramint.2020.08.207
https://www.sciencedirect.com/science/article/pii/S0272884220325876?via%3Dihub

2. **Cristina Ileana Pascu**, O. Gingu, P. Rotaru, I. Vida-Simiti, N. Lupu*, Bulk titanium for structural applications obtaining by spark plasma sintering (SPS) from titanium hydride powder*, Journal of Thermal Analysis and Calorimetry, vol.110, Issue 2, 2013, pg, 849-857, ISSN 1388-6150, ISI Impact factor: 2,21 (2013). **Revistă în zona galbenă în 2013, Category Quartile Q2, CHEMISTRY, PHYSICAL**
DOI: 10.1007/s10973-012-2824-2
https://www.webofscience.com/wos/alldb/full-record/WOS:000321784900054
http://www.springer.com/chemistry/physical+chemistry/journal/10973

3. **Cristina Ileana Pascu**; Simniceanu, L and Dumitru, I, Research About the Implementation of The Statistical Process Control with Application to the Automotive Steering Knuckle, Romanian Journal of Automotive Engineering, ISSN 1842–4074, vol.27, nr.2, pag. 73-81, 2021, WOS:000660969100008
http://siar.ro/wp-content/uploads/2021/08/RoJAE-27_2.pdf

4. **Cristina Ileana Pascu**, Ştefan Gheorghe, Claudiu Nicolicescu, Ioan Vida-Simiti, *Research About the Tribological Properties Improvement Of An Alloy Based On Titanium Hydride Powder For Automotive Components,* Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering, ISSN 1221–5872, vol.64. Iss.1, pages 39-46, 2021, WOS:000694719400004
https://www.webofscience.com/wos/alldb/full-record/WOS:000694719400004
https://atna-mam.utcluj.ro/index.php/Acta/article/view/1551

5. Crăciunoiu N., Oprica, A., **Cristina Ileana Pascu -** autor corespondent**,** *Aspects about Deployment of Lean Principles for Improving the Production Process Quality in Automotive Industry*, Ingineria Automobilului, ISSN 1842–4074, Iss.59, pag.45.-53, 2021, WOS:000660969100005
https://www.webofscience.com/wos/alldb/full-record/WOS:000660969100005
http://siar.ro/wp-content/uploads/2021/08/RoJAE-27_2.pdf

6. **Cristina Ileana Pascu,** Iulian Popescu, Study about the roughness surface quality for a duralumin alloy after cutting process, SMAT The 30th SIAR International Congress on Automotive and Transport Engineering, *ISI Proceedings*, Ed.Springer, ISBN 978-3-030-32563-3, pp.684-690, 2019, ISI Proceedings, WOS:000528526600080 . DOI:10.1007/978-3-030-32564-0_80,
https://link.springer.com/chapter/10.1007/978-3-030-32564-0_80
https://www.webofscience.com/wos/alldb/full-record/WOS:000528526600080

7. **Cristina Ileana Pascu,** Gheorghe St., Tarata D, Nicolicescu Cl., *Composite material obtained by powder metallurgy with applications in the automotive industry*, Materials Research Forum, No.3, Vol.8, ISSN 2474-3941, pag. 201-211, 2018, WOS:000452925200023, *ISI Proceedings*
DOI:10.21741/9781945291999-23 http://www.mrforum.com/product/powder-metallurgy/
https://www.webofscience.com/wos/alldb/full-record/WOS:000452925200023.

8. **Cristina Ileana Pascu**, Al. Stanimir, I. Vida-Simiti *Research on the Manufacture of Some Tungsten-Copper Composite after Vacuum Sintering*, „Materials Science Forum" Journal, p.311-315, vol.672, no.1, edited by Trans. Tech. Publications Ltd, Switzerland, ISSN: 1662-9752, 2011, WOS:000293097000063
DOI: 10.4028/www.scientific.net/MSF.672.311site: http://www.scientific.net/MSF.672
https://www.webofscience.com/wos/alldb/full-record/WOS:000293097000063

9. **Cristina Ileana Pascu**, Gheorghe St., Dumitru I., Nisipasu M., *Implementation of Total Productive Maintenance Principles for Quality Improvement in an Automotive Company*, Applied Mechanics and Materials, vol. 880, pag. 171-176, 2018, Trans Tech Publications, Switzerland,
https://www.scientific.net/AMM.880.171

10. **Cristina Ileana Pascu**, Paraschiv D., Study about Improving the Quality Process Performance for a Steel Structures Components Assembly using FMEA Method, Applied Mechanics and Materials, vol. 822, pag. 429-436, 2016, Trans Tech Publications, Switzerland, www.scientific.net/AMM.822.429

11 **Cristina Ileana Pascu**, Gheorghe St., Dumitru I., Nisipasu M., Ciocioi-Troaca D., Aspects about Implementation of Lean Manufacturing Principles for Quality Improvement in a Production System for Automotive Industry, Applied Mechanics and Materials, vol. 823, pag. 283-288, 2016, Trans Tech Publications, Switzerland, www.scientific.net/AMM.823.283

12. **Cristina Ileana Pascu**, Popescu I., Didu A., *Study About the Roughness precision Quality for a Duralumin Alloy After Cutting Process*, IOP Conference Series Materials Science and Engineering, pag.231-235, ISBN: 1757899X 17578981, 2020, Scopus, EID: 2-s2.0-85091492395
DOI: 10.1088/1757-899X/568/1/01204913.

13. **Cristina Ileana Pascu**, D Paraschiv, Research about using the Failure Mode and Effects Analysis method for improving the quality process performance, IOP Conference Series: Materials Science and Engineering, vol. 898, pag.235-240, ISBN: 1757899X 17578981, 2020, Scopus, EID: 2-s2.0-85091530837
https://iopscience.iop.org/article/10.1088/1757-899X/898/1/012037

14. **Cristina Ileana Pascu**, Iulian Popescu, Gheorghe St., Geonea I., Didu A., Research about the quality of the surface after turning out of duralumin alloy, IOP Conference Series: Materials Science and Engineering, pag.356-361, ISBN: 1757899X 17578981, 2019, Scopus, EID: 2-s2.0-85073420101
https://iopscience.iop.org/article/10.1088/1757-899X/568/1/012043/meta,

	Recenzor la Conferintele Internationale SMAT2019, ICOME 2019, ICOME2017, ICOME 2015, SMAT 2014, WSEAS 2014. *2000 - 2007* Şef lucrări universitar **activitate didactică** în domeniul ingineriei industriale, autovehiculelor rutiere, inginerie economica in domeniul mecanic, predare cursuri şi desfăşurare de activităţi aplicative la disciplinele: TOLERANTE SI CONTROL DIMENSIONAL, TEHNOLOGIA MATERIALELOR, METALURGIA PULBERILOR, MANAGEMENTUL ACTIVITATILOR AUXILIARE. **Cercetare ştiinţifică** pe direcţiile: materiale compozite utilizate in domeniul automotive, pseudoaliaje, controlul calitatii produselor si proceselor. Contracte nationale derulate in calitate de coordonator si membru: Grant nr. 33451/2003, cod CNCSIS 487/tema nr.1/val : 55 mil. Utilizarea tehnicii metalurgiei pulberilor pentru procesarea pseudoaliajelor pe baza de wolfram, cu aplicatii in industria electrotehnica. **Director de proiect**. Grant nr. 33547/2006, cod CNCSIS 66/tema nr.9/ val. 36 mil. Utilizarea tehnicii metalurgiei pulberilor pentru procesarea pseudoaliajelor pe baza de wolfram, cu aplicatii in industria electrotehnica. **Director de proiect**; Contract nr. 33547/2004-/2005 cod CNCSIS 294/tema 3 val.36 milioane. Materiale sinterizate pe baza de fier utilizabile in constructia lagarelor, Grant nr.663/,2003/ cod ANSTI/ poz.A5/ 2000. Modernizarea, eficientizarea si implementarea de tehnologii si echipamente la presarea pseudoaliajelor pe baza de pulberi de wolfram, Contract nr.7346/2002, tema nr.30/10C/1 2000, 2001/cod CNCSIS 3/ 40 mil.Tehnologii si echipamente modulate multifunctionale pentru producerea pieselor din pulberi metalice si ceramice, organizate in sistem flexibil; Contract 668/10C/2001, tema A15/1997. Pulberi ceramice compozite cu matrice metalica sau ceramica. Materiale noi, ceramice, neferoase, cu destinatii speciale; Contract 663/10C/2000, pozitia B5. Realizarea si intretinerea unei baze informationale de date pentru proiectarea constructiva si tehnologica a elelmentelor modulate atasate setului SEM-64. 28 articolei stiintifice publicate in reviste ISI si BDI 44 Lucrări științifice susținute la Conferințe naționale și internaționale
Numele şi adresa angajatorului	Universitatea din Craiova
Tipul activităţii sau sectorul de activitate	Activitatea didactică şi cercetare ştiinţifică în mediul universitar
Perioada	*1995 - 2000*
Funcţia sau postul ocupat	Asistent universitar
Activităţi şi responsabilităţi principale	**activitate didactică** în domeniul ingineriei industriale, autovehiculelor rutiere, ingineria mecanica, predare şi desfăşurare de activităţi aplicative la disciplinele: TOLERANTE SI CONTROL DIMENSIONAL, TEHNOLOGIA MATERIALELOR, METALURGIA PULBERILOR. **Cercetare ştiinţifică** pe direcţiile: materiale avansate, pseudoaliaje, controlul calitatii produselor. 21 Lucrari stiintifice publicate in reviste si conferinte stiintifice
Numele şi adresa angajatorului	Universitatea din Craiova - Facultatea de Mecanică / 107, Calea Bucureşti, Craiova, jud. Dolj, România
Tipul activităţii sau sectorul de activitate	Activitatea didactică şi cercetare ştiinţifică în mediul universitar
Perioada	*1991- 1995*
Funcţia sau postul ocupat	Cadru didactic asociat Facultatea de Mecanica din Craiova Cadru didactic în învățământul preuniversitar
Activităţi şi responsabilităţi principale	**activitate didactică** în domeniul autovehiculelor rutiere, ingineria mecanica, predare şi desfăşurare de activităţi aplicative la disciplinele: TOLERANTE SI CONTROL DIMENSIONAL;
Numele şi adresa angajatorului	Universitatea din Craiova - Facultatea de Mecanică / 107, Calea Bucureşti, Craiova, jud. Dolj, România I.S.J. Dolj
Tipul activităţii sau sectorul de activitate	Activitatea didactică şi cercetare ştiinţifică în mediul universitar

Educaţie şi formare

Perioada	Septembrie 1996- decembrie 2000
Calificarea / diploma obţinută	Doctor in Stiinte Ingineresti – Inginerie Industriala
Disciplinele principale studiate / competenţe profesionale dobândite	Teza de doctorat: Contributii privind imbunatatirea calitatii tehnologiilor de realizare a pseudoaliajelor pe baza de wolfram pentru contacte electrice ***Distinctia cum laudae***
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	Universitatea din Craiova
Nivelul în clasificarea naţională sau internaţională	UNIVERSITATE CU GRAD RIDICAT DE INCREDERE

Perioada	octombrie 2004 – iunie 2005
Calificarea / diploma obţinută	Master in Management
Disciplinele principale studiate / competenţe profesionale dobândite	Management financiar Managementul calitatii Audit finanaciar
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	Universitatea din Craiova
Nivelul în clasificarea naţională sau internaţională	UNIVERSITATE CU GRAD RIDICAT DE INCREDERE

Perioada	Septembrie 1986 – iulie 1991
Calificarea / diploma obţinută	Inginer mecanic, masini-unelte
Disciplinele principale studiate / competenţe profesionale dobândite	Corespunzătoare programului de studii de licenţă în domeniul Ingineria Industriala
Numele şi tipul instituţiei de învăţământ / furnizorului de formare	Universitatea din Craiova
Nivelul în clasificarea naţională sau internaţională	UNIVERSITATE CU GRAD RIDICAT DE INCREDERE

Aptitudini şi competenţe personale

Limba maternă: Română

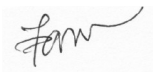
Limbi străine cunoscute

Autoevaluare Nivel european	**Înţelegere**		**Vorbire**		**Scriere**
	Ascultare	Citire	Participare la conversaţie	Discurs oral	Exprimare scrisă
Limba engleză	C2 - utilizator experimentat	C2 - utilizator experimentat	C1 - utilizator experimentat	C1 - utilizator experimentat	C1 - utilizator experimentat
Limba franceză	C1 - utilizator experimentat	C1 - utilizator experimentat	B2 - utilizator independent	B2 - utilizator independent	B2 - utilizator independent

Certificat No. 237/19.10.2021 pentru limba engleza, nivel Foarte bine, corespunzătoare nivelului B2 al Cadrului European Comun de Referință, emis de Centrul Interlingua pentru Limbi Moderne, Universitatea din Craiova

Competenţe şi abilităţi sociale

- spirit de echipa;
- capacitate de adaptare la medii multiculturale,
- capacitate de comunicare.



Competenţe şi aptitudini organizatorice

2020 – coordonator comisia de evaluare a programului de studii de licenta „Tehnologia constructiilor de masini"
2015 - coordonator comisia de evaluare a programului de studii de masterat Optimizarea si Proiectarea Echipamentelor Tehnologice;
2014-2016 – coordonator comisia de evaluare a programului de studii de licenta „Inginerie economică în domeniul mecanic"
2011 – 2015 conceptie si **coordonare** activitati aplicative dedicate disciplinelor de „Ingineria Calitatii" si „Tolerante si control dimensional":

- ✓ sistem tehnic destinat masurarii abaterilor geometrice si dimensionale cu echipament TESA MultiGage;
- ✓ platforma de laborator la disciplina de „Ingineria Calitatii" ce vizeaza aplicatii cu referire la:
  - determinarea stabilitatii proceselor;
  - determinarea capabilitatii proceselor;
  - controlul statistic de receptie prin masurare si prin atribute;
  - utilizarea cartelelor de control la controlul statistic al proceselor si produselor;
  - utilizarea metodelor și tehnicilor statistice de optimizare a proceselor (FMEA, diagrama Ishikawa, diagrama Pareto);
  - determinarea indicatorilor Lean Manufacturing.

2019 membru în comitetul de organizare a Congresului International INTERNATIONAL CONGRESS AUTOMOTIVE, SAFETY AND ENVIRONMENT, SMAT 2019.
2019 coordonatoarea secțiunii de Materiale și Tehnologii din cadrul Congresului International INTERNATIONAL CONGRESS AUTOMOTIVE, SAFETY AND ENVIRONMENT, SMAT 2019.
2019 membru in comitetul de organizare a Conferintei Internationale ICOME 2019.
2017 membru in comitetul de organizare a Conferintei Internationale ICOME 2017.
2015 membru in comitetul de organizare a Conferintei Internationale ICOME 2015.
2014 membru in comitetul de organizare a Congresului International INTERNATIONAL CONGRESS AUTOMOTIVE, SAFETY AND ENVIRONMENT, SMAT 2014.
2011- 2015 coordonator si organizator cercuri stiintifice studentesti de "Toleranțe si control dimensional**",** „Controlul si Ingineria Calitatii" si „Materiale": 37 de studenti si masteranzi coordonati.
2011 -2014 proiectarea activitatii didactice;
2010-2015 coordonare activitate de cercetare cuantificata prin obtinerea de brevete RO125714A0 si RO125713A0.
2008 - **membru organizator** al workshop-ului „Materiale inteligente si aplicatiile acestora in inginerie";
2007 - **membru organizator** al conferintei The Anniversary Conference with International Atendance „30 Years of Techinical Education of Mechanics of Craiova" 2007, Craiova;
2006 - membru organizator al simpozionului International Symposium " Mechanical engineering and environment";
2005 - in prezent **coordonator** grupe studentesti in procesul educational (activitate de tutoriat);
2001 – prezent **membru** în comisii de concurs pentru ocuparea posturilor didactice de preparator universitar, asistent universitar, şef de lucrări universitar;
2000- prezent **membru** în comisii de concurs pentru ocuparea posturilor de tehnicieni;
2001- prezent **membru** în comisii de licentă şi de susţinerea a proiectelor de diplomă.

Competenţe şi aptitudini tehnice

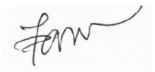
- ➢ **2019 Specialist elaborare propuneri fonduri structurale,** absolvire curs și workshop în limba engleză "Proposal Writing for European Structural & Investment Funding (ESF) Regional Operation Programme (ROP)" organizate de European Academy.
- ➢ **2015 Specialist Core Tools, Instrumente, Tehnici, Metode si Practici in Industria Auto,** certificate no.202/ 2015, LRQA Lloyd's Register;
- ➢ **2014 Specialist pentru Sisteme de Management al Calităţii conformn EN ISO 9001** certificate no.1124/2014, TUV Reinland.
- ➢ **2013 Specialist în tolerare dimensională și geometrică** absolvire curs în limba engleză, "Geometric, Dimensioning and Tolerancing" (in concordanta cu standardele americane ASME Y14.5-2009 trainer: Dr.-Ing. Ansgar Stickeler, Teamleiter Dimensional Management, organizat de Industrie Hansa Consulting & Engineering., compania FORD Motor Craiova.
- ➢ **2013 Cadru didactic supervizor de cercetare si practica tehnologica,** certificat no. 713/2012
- ➢ **2003 Specialist Management financiar –contabil,** certificat nr.143/2003.

Competenţe şi aptitudini de utilizare a calculatorului

- ➢ certificate of completion of Solid Works 2006, Training course - Solid Works Authorized Training, Testing & Support Center;
- ➢ certificate of completion of COSMOSWorks Desinger 2006, Training course - Solid Works Authorized Training, Testing & Support Center.

Domenii de competenţă	**Domenii de competenţă:** TOLERANȚE ȘI CONTROL DIMENSIONAL, INGINERIA CALITĂȚII, TEHNOLOGIA MATERIALELOR, MATERIALE AVANSATE. **Publicaţii:** **12** MONOGRAFII, CARTI, MANUALE ŞI ÎNDRUMARE DE APLICAŢII **117** ARTICOLE ŞTIINŢIFICE ➢ 91 articole ISI si BDI ➢ 93 articole la Congrese şi Conferinte Internationale (ICOME 2015, SMAT 2014, IMT'2014 ICOME 2013, World Congress, EUROMAT Congress, World Congress of Powder Metallurgy PM'2010, IMT'2010, MATEHN'2010, International Congress and Exhibition, EPMA PM'2009, EURO PM'2008 Congress & Exhibition, EURO PM'2007, International Conference DIPRE'07, 1998 Powder Metallurgy World Congress and Exhibition, ICOME 2010, DAMM 2009 Viena, SMAT 2008, EURO PM2006 Congress, EURO PM2005 Congress, Conference "TRANS & MOTAUTO'07; International Conference on Motor Vehicle and Transportation MVT 2006; EURO PM'2003,; CONAT 2004, The 3rd International PM Conference European Congress on Powder Metallurgy, PM'2001, AMPT 01, DF PM'99, CoSME'04, BRAMAT 2003, AMS'02, RoPM'2000, etc.); ➢ 32 articole la Simpozioane ştiinţifice naţionale. **Activitatea de cercetare** **15 contracte** de cercetare tip grant: ✓ 3 granturi internationale; ✓ 12 granturi si contracte nationale (4 – in calitate de coordonator) **2 brevete de inventie** RO125714A0 si RO125713A0, Patent Assignee: UNIV CRAIOVA **12 premii si medalii** la Saloane Internationale de Inventica si Inovatie. **Afilieri la organizaţii profesionale:** Asociaţia Generala a Inginerilor din România; Asociaţia Română de Sudura; Asociatia Romana de Tribologie; Societatea Inginerilor de Automobile din România,SIAR; Asociaţia Română pentru Teoria Mecanismelor şi a Maşinilor. Asociatia Nationala de Tehnologii Neconventionale din Romania
Permis de conducere	Categ. B.

Conf. univ. dr. ing. PASCU Cristina Ileana



Curriculum vitae Europass

Informaţii personale

PASCU CRISTINA -ILEANA

Craiova (România)

Principatele Unite str., no.9

+40.744.931.172 +40.251.41.66.30

ileana.pascu@edu.ucv.ro

Sex: Female |Date of birth: 25/12/1967 | Nationality: Romanian

Occupational field

Higher Education

Current job / Occupational field

Occupation or position held

UNIVERSITY OF CRAIOVA - FACULTY OF MECHANICS,
DEPARTMENT OF MOTOR VEHICLES, TRANSPORT AND INDUSTRIAL ENGINEERING /
INVATAMANT-CERCETARE

2007 - Present

Associate Professor at the Department of Automobiles, Transport and Industrial Engineering

Main activities and responsibilities

Teaching activity in the field of Industrial Engineering, road vehicles, transport engineering; teaching courses and carrying out applied activities in the disciplines**:** TOLERANCES AND DIMENSIONAL CONTROL, QUALITY ENGINEERING, MATERIALS TECHNOLOGY, COMPUTER AIDED QUALITY, QUALITY IN TRANSPORT.
Scientific research in: composite materials used in the automotive field, pseudoalloys, dimensional and geometric measurements, surface quality of parts processed by cutting, quality control of processes and products, Lean Manufacturing and SixSigma, biomaterials.

National and international grants and contracts performed as coordinator and member

- ✓ Research project 273/31.08.2020, „Research on the implementation of quality engineering through Lean / 6S at SC Chester Time SRL", partners INCESA and SC Chester Time SRL , period 2020-2021, value: 26775 lei.
  Project director
- ✓ Research porject nr.40/30.10.2020, „Precision measurements by 3D scanning and numerical modeling for the Craiovita Nouă Cathedral objective, from Craiova", partners INCESA and S.C. D&I CONSTRUCT SRL, period: 2020-2021, value: 30,100.00 lei.
  Project director
- ✓ Research Project, Programul CPV 793111000-8, partners: Craiova City Hall, Study on the flow of passengers in Craiova, period: 2017-2018, value: 67800.00 lei.
- ✓ Research Project, International, GIEDD (financed by European Regional Development Fund-ERDF), „Preliminary study on the current status of intermodal nodes and their capacity to develop the TEN-T network in the Romanian part of the Romania-Bulgaria cross-border area", period: 2017-2018, value: 202300.00 Euro.
- ✓ Research Project, programul European Cooperation in Science and Technology program, COST - MPNS Action MP0903, NANOALLOY – Nanoalloys as Advanced Materials: From Structure to Properties and Applications COST Action MP0903, Beneficiary: European Commission; running period: 2010-2013
- ✓ Research Project, PN-II-PT-PCCA-2013-4-2094 Partnerships program, „Research on bone substitution with biocomposite materials manufactured by techniques specific to powder metallurgy (BONY)", period: 2014-2016, value: 1.500.000 lei.
- ✓ POSDRU, axe 1, direction 1.2, 2009-2011, Specialization of university teaching staff for the position of "Supervising Teacher" of industrial / technological practice and research, Beneficiary: Ministry of Education, Research, Youth and Sports, value:3.400. 000 lei.

Scientific prizes awarded on works, individual scholarships, won through competitions:

- ✓ 2013 : ***Gold medal*** at THE EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION, E U R O I N V E N T IAŞI – ROMANIA, IVth Edition, May 2013 with pattent application for pattent Biocomposite material for grafting on the trabecular bone tissue comprises nanometric crystalline hydroxyapatite grains and titanium grains authors: **Ileana Pascu**, Gingu O., Ciupitu I., Rotaru P.
- ✓ 2013: **Excellence Diploma** at THE EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION, E U R O I N V E N T IAŞI – ROMANIA, IVth Edition, May 2013 with pattent application for pattent Biocomposite material containing nanometric hydroxyapatite grains and titanium metallic powder and process for obtaining the same authors: Gingu O., **Ileana Pascu**, Lupu N., Benga G.
- ✓ 2013 : **Silver medal** Excellence Diploma la SALONUL INTERNATIONAL DE INVENTICA PROINVENT 2013,editia a XI-a, 2013, Cluj-Napoca, Romania for pattent Biocomposite material for grafting on the trabecular bone tissue comprises nanometric crystalline hydroxyapatite grains and titanium grains,autori: **Ileana Pascu**, Gingu O., Ciupitu I., Rotaru P.
- ✓ 2013 : **Gold medal** at THE EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION, E U R O I N V E N T IAŞI – ROMANIA, IVth Edition, May 2013 for pattent Biocomposite material containing nanometric hydroxyapatite grains and titanium metallic powder and process for obtaining the same, autori Gingu O., **Ileana Pascu**, Lupu N., Benga G.
- ✓ 2013: **Excellence Diploma** at THE EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION, E U R O I N V E N T IAŞI – ROMANIA, IVth Edition, May 2013 for pattent Biocomposite material for grafting on the trabecular bone tissue comprises nanometric crystalline hydroxyapatite grains and titanium grains autori: **Ileana Pascu**, Gingu O., Ciupitu I., Rotaru P.
- ✓ 2013: **Excellence Diploma** INTERNATIONAL SALON OF INVENTION PROINVENT 2013, editia a XI-a, 2013, Cluj-Napoca, Romania pentru brevetul: Ileana Pascu, Gingu O., Ciupitu I., Rotaru P., Biocomposite material for grafting the trabecular bone area using nanometric hydroxyapaptite and micrometric titanium.
- ✓ 2013: **Excellence Diploma** la EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION, E U R O I N V E N T IAŞI – ROMANIA, IVth Edition, May 2013 for the pattent Biocomposite material containing nanometric hydroxyapatite grains and titanium metallic powder and process for obtaining the same, autori: Gingu O., **Ileana Pascu,** Lupu N., Benga G.
- ✓ 2012 : **Premiul II** la SALONUL INTERNATIONAL DE INVENTICA PRO INVENT, editia a X-a, 2012, Cluj Napoca , for patent application: Biocomposite material and manufacturing process, authors: Gingu Oana, **Pascu Ileana**, Benga, Gabriel, Lupu Nicoleta.
- ✓ 2012 : **Diploma of excellence** at the INTERNATIONAL SALON OF INVENTION PRO INVENT, editia a X-a edition, 2012, Cluj Napoca , for patent application: Biocomposite material containing nanometric hydroxyapatite grains and titanium metallic powder and process for obtaining the same.
- ✓ 2012 : **Third Prize and Bronze Medal at** International Fair iENA 2012, Nurenberg, Germany, for patent application: Biocomposite material containing nanometric hydroxyapatite grains and titanium metallic powder and process for obtaining the same.
- ✓ **Diploma of excellence** at the International Fair iENA 2012, Nurenberg, Germany, for patent application: Biocomposite material containing nanometric hydroxyapatite grains and titanium metallic powder and process for obtaining the same:, authors: Gingu O., **Ileana Pascu**, Lupu N., Benga G.
- ✓ **Diploma of excellence from the A.N.C.S** for the patent application**:**Biocomposite material containing nanometric hydroxyapatite grains and titanium metallic powder and process for obtaining the same, authors:.Gingu, O., **Ileana Pascu**, Lupu N., Benga G.

Confirmed patents:

1.Inventor(s**): PASCU Ileana**; Gingu O; Ciupitu I; et al., Biocomposite material for grafting on the trabecular bone tissue comprises nanometric crystalline hydroxyapatite grains and titanium grains, Patent Number: RO125714A0, Patent Assignee: UNIV CRAIOVA.
2.Inventor(s): Gingu O; **PASCU Ileana**; Lupu N; et al, BIOCOMPOSITE MATERIAL containing nanometric hydroxyapatite grains and titanium metallic powder AND PROCESS FOR OBTAINING THE SAME, Patent Number: RO125713A0, Patent Assignee: UNIV ERSITY OF CRAIOVA; NATIONAL INSTITUT FOR TECHNICAL PHYSICAL DEVELOPMENT.

Didactic activity and scientific research in the academic area

66 Scientific papers published in ISI and BDI journals:

1. **Cristina Ileana Pascu,** Ştefan Gheorghe, Andrei Rotaru, Claudiu Nicolicescu, Nicoleta Cioateră, Adrian Sorin Roşca, Petre Rotaru*, Ti-based composite materials with enhanced thermal and mechanical properties*, Ceramics International, ISSN 0272-8842, Vol. 46, Issue 18, Part B, Pages 29358-29372, 2020, *ISI Impact Factor = 4,527,* WOS:000582504100002, DOI: 10.1016/j.ceramint.2020.08.207
Journal in red zone, Category Quartile Q1, MATERIALS SCIENCE, CERAMICS
https://doi.org/10.1016/j.ceramint.2020.08.207
https://www.sciencedirect.com/science/article/pii/S0272884220325876?via%3Dihub

2. **Cristina Ileana Pascu**, O. Gingu, P. Rotaru, I. Vida-Simiti, N. Lupu*, Bulk titanium for structural applications obtaining by spark plasma sintering (SPS) from titanium hydride powder*, Journal of Thermal Analysis and Calorimetry, vol.110, Issue 2, 2013, pg, 849-857, ISSN 1388-6150, ISI Impact factor: 2,21 (2013). WOS:000321784900054 DOI: 10.1007/s10973-012-2824-2
Journal in yellow zone for 2013, Category Quartile Q2, CHEMISTRY, PHYSICAL
https://www.webofscience.com/wos/alldb/full-record/WOS:000321784900054
http://www.springer.com/chemistry/physical+chemistry/journal/10973

3. **Cristina Ileana Pascu**; Simniceanu, L and Dumitru, I, Research About the Implementation of The Statistical Process Control with Application to the Automotive Steering Knuckle, Romanian Journal of Automotive Engineering, ISSN 1842–4074, vol.27, nr.2, pag. 73-81, 2021, WOS:000660969100008
http://siar.ro/wp-content/uploads/2021/08/RoJAE-27_2.pdf

4. **Cristina Ileana Pascu**, Ştefan Gheorghe, Claudiu Nicolicescu, Ioan Vida-Simiti, *Research About the Tribological Properties Improvement of an Alloy Based on Titanium Hydride Powder For Automotive Components,* Acta Technica Napocensis Series-Applied Mathematics Mechanics and Engineering, ISSN 1221–5872, vol.64. Iss.1, pages 39-46, 2021, WOS:000694719400004
https://www.webofscience.com/wos/alldb/full-record/WOS:000694719400004
https://atna-mam.utcluj.ro/index.php/Acta/article/view/1551

5. Crăciunoiu N., Oprica, A., **Cristina Ileana Pascu -** autor corespondent**,** *Aspects about Deployment of Lean Principles for Improving the Production Process Quality in Automotive Industry*, Ingineria Automobilului, ISSN 1842–4074, Iss.59, pag.45.-53, 2021, WOS:000660969100005
https://www.webofscience.com/wos/alldb/full-record/WOS:000660969100005
http://siar.ro/wp-content/uploads/2021/08/RoJAE-27_2.pdf

6. **Cristina Ileana Pascu,** Iulian Popescu, Study about the roughness surface quality for a duralumin alloy after cutting process, SMAT The 30th SIAR International Congress on Automotive and Transport Engineering, *ISI Proceedings*, Ed.Springer, ISBN 978-3-030-32563-3, pp.684-690, 2019, ISI Proceedings, WOS:000528526600080 . DOI:10.1007/978-3-030-32564-0_80,
https://link.springer.com/chapter/10.1007/978-3-030-32564-0_80
https://www.webofscience.com/wos/alldb/full-record/WOS:000528526600080

7. **Cristina Ileana Pascu,** Gheorghe St., Tarata D, Nicolicescu Cl., *Composite material obtained by powder metallurgy with applications in the automotive industry*, Materials Research Forum, No.3, Vol.8, ISSN 2474-3941, pag. 201-211, 2018, WOS:000452925200023, *ISI Proceedings*
DOI:10.21741/9781945291999-23 http://www.mrforum.com/product/powder-metallurgy/
https://www.webofscience.com/wos/alldb/full-record/WOS:000452925200023.

8. **Cristina Ileana Pascu**, Al. Stanimir, I. Vida-Simiti *Research on the Manufacture of Some Tungsten-Copper Composite after Vacuum Sintering*, „Materials Science Forum" Journal, p.311-315, vol.672, no.1, edited by Trans. Tech. Publications Ltd, Switzerland, ISSN: 1662-9752, 2011, WOS:000293097000063
DOI: 10.4028/www.scientific.net/MSF.672.311site: http://www.scientific.net/MSF.672
https://www.webofscience.com/wos/alldb/full-record/WOS:000293097000063

9. **Cristina Ileana Pascu**, Gheorghe St., Dumitru I., Nisipasu M., *Implementation of Total Productive Maintenance Principles for Quality Improvement in an Automotive Company*, Applied Mechanics and Materials, vol. 880, pag. 171-176, 2018, Trans Tech Publications, Switzerland,
https://www.scientific.net/AMM.880.171

10. **Cristina Ileana Pascu**, Paraschiv D., Study about Improving the Quality Process Performance for a Steel Structures Components Assembly using FMEA Method, Applied Mechanics and Materials, vol. 822, pag. 429-436, 2016, Trans Tech Publications, Switzerland, www.scientific.net/AMM.822.429

11 **Cristina Ileana Pascu**, Gheorghe St., Dumitru I., Nisipasu M., Ciocioi-Troaca D., Aspects about Implementation of Lean Manufacturing Principles for Quality Improvement in a Production System for Automotive Industry, Applied Mechanics and Materials, vol. 823, pag. 283-288, 2016, Trans Tech Publications, Switzerland, www.scientific.net/AMM.823.283

12. **Cristina Ileana Pascu**, Popescu I., Didu A., *Study About the Roughness precision Quality for a Duralumin Alloy After Cutting Process*, IOP Conference Series Materials Science and Engineering, pag.231-235, ISBN: 1757899X 17578981, 2020, Scopus, EID: 2-s2.0-85091492395
DOI: 10.1088/1757-899X/568/1/01204913.

13. **Cristina Ileana Pascu**, D Paraschiv, Research about using the Failure Mode and Effects Analysis method for improving the quality process performance, IOP Conference Series: Materials Science and Engineering, vol. 898, pag.235-240, ISBN: 1757899X 17578981, 2020, Scopus, EID: 2-s2.0-85091530837
https://iopscience.iop.org/article/10.1088/1757-899X/898/1/012037

14. **Cristina Ileana Pascu**, Iulian Popescu, Gheorghe St., Geonea I., Didu A., Research about the quality of the surface after turning out of duralumin alloy, IOP Conference Series: Materials Science and Engineering, pag.356-361, ISBN: 1757899X 17578981, 2019, Scopus, EID: 2-s2.0-85073420101
https://iopscience.iop.org/article/10.1088/1757-899X/568/1/012043/meta,

	Reviewer at International Conferences and Congresses SMAT2019, ICOME 2019, ICOME2017, ICOME 2015, SMAT 2014, WSEAS 2014.
	2000 - 2007 University lecturer **teaching activity** in the field of road vehicles, mechanical engineering; economic engineering in the mechanical field, teaching courses and carrying out applicative activities in the disciplines: TOLERANCES AND DIMENSIONAL CONTROL, MATERIALS TECHNOLOGY, POWDER METALLURGY, MANAGEMENT OF AUXILIARY ACTIVITIES. **Scientific research** in the directions: composite materials used in the automotive field, pseudoalloys, quality control of products and processes**.**
	National grants and contracts performed as coordinator and member: Grant no. 33451/2003, cod CNCSIS 487/tema nr.1/val : 55 mi Using the Powder Metallurgy technique for processing tungsten-based pseudoalloys, with applications in the electrical industry. **Project director** Grant no. 33547/2006, cod CNCSIS 66/tema nr.9/ val. 36 mil. Powder Metallurgy technique for processing tungsten-based pseudoalloys, with applications in the electrical industry.. **Project director** Grant no. 33547/2004-/2005 cod CNCSIS 294/tema 3 val.36 milioane. Sintered iron-based materials usable in bearing construction Grant no.663/1999-2003/ cod ANSTI/ poz.A5/ 2000. Efficiency and implementation of technologies and equipment for pressing pseudoalloys based on tungsten powders, Grant no.7346/2002, tema nr.30/10C/1999, 2000, 2001/cod CNCSIS 3/ 40 mil. Multifunctional modulated technologies and equipment for the production of metal and ceramic powder parts, organized in a flexible system; Grant no 668/10C/2001, tema A15/1997. Composite ceramic powders with metal or ceramic matrix. New materials, ceramic, non-ferrous, with special destinations; Grant no t 663/10C/2000, pozitia B5. Realization and maintenance of an informational database for the constructive and technological design of the modulated elements attached to the SEM-64 set.
	28 Scientific papers published in ISI and BDI journals 34 Scientific papers presented at national and international conferences
Name and address of employer	University of Craiova
Occupation or position held	Didactic activity and scientific research in the university environment
Period	*1995 - 2000*
Occupation or position held	University assistant
Main activities and responsibilities	**didactic activity** in the field of industrial engineering, road vehicles, mechanical engineering, teaching and development of activities applicable to the disciplines: TOLERANCES AND DIMENSIONAL CONTROL, MATERIALS TECHNOLOGY, POWDER METALLURGY**.** **Scientific research in:** advanced materials, pseudoalloys, product quality control.
	21 Scientific papers published in scientific journals and conferences
Name and address of employer	University of Craiova – Facultaty of Mecanics / 107, Calea Bucureşti str., Craiova, Dolj, Romania
Occupation or position held	Didactic activity and scientific research in the university domain
Period	*1991- 1995*
Occupation or position held	Associate Assistant at the Faculty of Mechanics in Craiova Teacher in pre-university education
Main activities and responsibilities	**didactic activity** in the field of industrial engineering, road vehicles, mechanical engineering, teaching and development of activities applicable to the disciplines: TOLERANCES AND DIMENSIONAL CONTROL; MATERIAL RESISTANCE
Name and address of employer	University of Craiova - Faculty of Mechanics, Calea Bucureşti str., Craiova, Dolj, România I.S.J. Dolj
Occupation or position held	Didactic activity and scientific research

Educaţie şi formare

Period	September 1996- december 2000
Qualification / diploma obtained	Doctor in Engineering Sciences - Industrial Engineering
The main disciplines studied / acquired professional competencies	Doctoral thesis: Contributions on improving the quality of technologies for making pseudoalloys based on tungsten for electrical contacts - Distinctia cum laudae
Name and type of educational institution / training provider	University of Craiova
Level in national or international classification	UNIVERSITY WITH HIGH DEGREE OF TRUST

Period	octomber 2004 – june 2005
Qualification / diploma obtained	Master in Management
The main disciplines studied / acquired professional competencies	Financial management Quality management Financial audit
Name and type of educational institution / training provider	University of Craiova
Level in national or international classification	UNIVERSITY WITH HIGH DEGREE OF TRUST

Period	September 1986 – july 1991
Qualification / diploma obtained	Mechanical engineer, machine tools
The main disciplines studied / acquired professional competencies	Corresponding to the undergraduate program in the field of Industrial Engineering
Name and type of educational institution / training provider	University of Craiova
Level in national or international classification	UNIVERSITY WITH HIGH DEGREE OF TRUST

Personal skills and competences

Native language: Romanian

Limbi străine cunoscute

Self-assessment European level	Understanding		Speaking		Writing
	Listening Oral speech expression	Reading	Participating in conversation	Oral speech	Written expression
English language	C2 - experienced user	C2 - experienced user	C1 - experienced user	C1 - experienced user	C1 - experienced user
French language	C1 - experienced user	C1 - experienced user	B2 - experienced user	B2 - experienced user	B2 - experienced user

Certificate No. 237/19.10.2021 for English language grade Very Well, corresponding to the B2 level of the Common European Framework of Reference, issued by the Interlingua Centre for Modern Languages, University of Craiova.

Social skills and competences

- team spirit;
- ability to adapt to multicultural environments,
- communication skills.

Organisational skills and competences

2020 – coordinator of the evaluation commission of the undergraduate study program "Machine construction technology"
2015 - coordinator of the evaluation commission of the master's study program Optimization and Design of Technological Equipments;
2014-2016 – **coordinator** of the evaluation commission of the bachelor's study program "Economic engineering in the mechanical field"
2011 – 2015 conception and coordination of applied activities dedicated to the disciplines of "Quality Engineering" and "Tolerances and dimensional control":

- ✓ technical system for measuring geometric and dimensional deviations with TESA MultiGage equipment;
- ✓ laboratory platform for the discipline of "Quality Engineering" aimed at applications with reference to:
  - determining the stability of the processes;
  - determining the process capability;
  - statistical control of reception by measurement and by attributes;
  - use of control cards for statistical control of processes and products;
  - use of statistical methods and techniques for process optimization (FMEA, Ishikawa diagram, Pareto diagram);
  - determination of Lean Manufacturing indicators..

2019 member in the organizing committee of the International Congress INTERNATIONAL CONGRESS AUTOMOTIVE, SAFETY AND ENVIRONMENT, SMAT 2019.
2019 coordinator of the Materials and Technologies section of the International Congress INTERNATIONAL CONGRESS AUTOMOTIVE, SAFETY AND ENVIRONMENT, SMAT 2019.
2019 member in the organizing committee of the International Conference ICOME 2019.
2017 member in the organizing committee of the International ConferencICOME 2017.
2015 member in the organizing committee of the International ConferencICOME 2015.
2014 member in the organizing committee of the International Congress INTERNATIONAL CONGRESS AUTOMOTIVE, SAFETY AND ENVIRONMENT, SMAT 2014.
2011- 2015 coordinator and organizer of student scientific circles of "Tolerances and dimensional control", "Quality Control and Engineering" and "Materials": 37 students and master students **coordinated 2011 -2014** proiectarea activitatii didactice;
2010-2015 coordination of quantified research activity by obtaining patents RO125714A0 and RO125713A0.
2008 - **organizing** member of the workshop "Intelligent materials and their applications in engineering";
2007 - **organizing member** of the conference The Anniversary Conference with International Atendance „30 Years of Techinical Education of Mechanics of Craiova" 2007, Craiova;
2006 - organizing member of the International Symposium "Mechanical engineering and environment"**;**
2005 - currently **coordinator** of student groups in the educational process (tutoring activity);
2001 – present **membe**r in the competition commissions for the teaching positions of university preparator, university assistant, head of university works;
2000- currently **member** of the competition commissions for the positions of technicians;
2001- present **member** of the license and support projects of the diploma projects.

Competenţe şi aptitudini tehnice

- **2019 Specialist in proposal writing for structural fund proposals,** graduating course and workshop in English "Proposal Writing for European Structural & Investment Funding (ESF) Regional Operation Program (ROP)" organized by European Academy**.**
- **2015 Specialist Core Tools, Techniques, Methods and Practices in the Automotive Industry,** certificate no.202 / 2015, LRQA Lloyd's Register**;**
- **2014 Specialist for Quality Management Systems EN ISO 9001** certificate no.1124/2014, TUV Reinland.
- **2013 Specialist in Geometric, Dimensioning and Tolerancing** graduation course in English, "Geometric, Dimensioning and Tolerancing" (in accordance with American standards ASME Y14.5-2009 trainer: Dr.-Ing. Ansgar Stickeler, Teamleiter Dimensional Management, organized by the Industrie Hansa Consulting & Engineering., at the FORD Motor Craiova.
- **2013 Supervising teacher of research and technological practice,** certificate no. 713/2012.
- **2003 Specialist Financial management Accounting,** certificate no.143/2003.

Computer skills and competences

- certificate of completion of Solid Works 2006, Training course - Solid Works Authorized Training, Testing & Support Center;
- certificate of completion of COSMOSWorks Desinger 2006, Training course - Solid Works Authorized Training, Testing & Support Center.

Areas of expertise	**Fields of competence:** TOLERANCES AND DIMENSIONAL CONTROL, QUALITY ENGINEERING, MATERIALS TECHNOLOGY, ADVANCED MATERIALS. **Publications:** 12 MONOGRAPHS, BOOKS, MANUALS AND APPLICATION GUIDANCE 117 SCIENTIFIC ARTICLES ➢ 91 ISI and BDI articles ➢ 93 articles at International Congresses and Conferences (ICOME 2015, SMAT 2014, IMT'2014 ICOME 2013, World Congress, EUROMAT Congress, World Congress of Powder Metallurgy PM'2010, IMT'2010, MATEHN'2010, International Congress and Exhibition, EPMA PM'2009, EURO PM'2008 Congress & Exhibition, EURO PM'2007, International Conference DIPRE'07, 1998 Powder Metallurgy World Congress and Exhibition, ICOME 2010, DAMM 2009 Viena, SMAT 2008, EURO PM2006 Congress, EURO PM2005 Congress, Conference "TRANS & MOTAUTO'07; International Conference on Motor Vehicle and Transportation MVT 2006; EURO PM'2003,; CONAT 2004, The 3rd International PM Conference European Congress on Powder Metallurgy, PM'2001, AMPT 01, DF PM'99, CoSME'04, BRAMAT 2003, AMS'02, RoPM'2000, etc.); ➢ 32 scientific articles at National Scientific Symposia. **Research activity** **15 research grants and contracts**: ✓ 3 international grants;; ✓ 12 national grants and contracts (4 - coordinator) **2 patents RO125714A0** and **RO125713A0,** Patent Assignee: UNIVERSITY of CRAIOVA **12 awards and medals** at International Salons of Invention and Innovation. **Proffesional organisations affiliated with:** Romanian Society of Automobile Engineers, SIAR; General Association of Romanian Engineers, AGIR; Romanian Welding Association; Romanian Association of Tribology; Romanian Association for the Theory of Mechanisms and Machines Romanian National Association of Unconventional Technologies
Driver's license	B Categ. B.

Associate Professor PhD.Eng. PASCU Cristina Ileana