



Curriculum vitae Europass

Informații personale

Nume / Prenume

Adresă(e)

Telefon(oane)

Fax(uri)

E-mail(uri)

Naționalitate(-tăți)

Data nașterii

Locul de muncă

Experiența profesională

Perioada

Funcția sau postul ocupat

Activități și responsabilități
principale

Numele și adresa angajatorului

Tipul activității sau sectorul de
activitate

Perioada

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principale

Numele și adresa angajatorului

Tipul activității sau sectorul de
activitate

Perioada

Funcția sau postul ocupat

Ene Antoaneta

Universitatea „Dunărea de Jos”, Facultatea de Științe și Mediu,
Departamentul de Chimie, Fizică și Mediu/Compartiment Fizică, Str.
Domnească nr.47, 800008, Galați

+40 336 130251;+40 336 130255

+40 236 461353

aene@ugal.ro

Română

07.07.1964

Universitatea „Dunărea de Jos” din Galați

Septembrie 2015-prezent

Profesor universitar doctor abilitat

Activitate de didactică și de cercetare

Conducător de doctorat - IOSUD Universitatea „Dunărea de Jos” Galați
(UDJG) – Inginerie industrială

Președinte al Comisiei pentru Cercetare Științifică a Senatului UDJG

Vicepreședinte al Consiliului pentru Cercetare Științifică din Universitatea
„Dunărea de Jos” din Galați (CCS-UDJG)

Membru în Comisia pentru internaționalizare și promovarea vizibilității
internaționale în cercetare, CCS-UDJG

Membru în Consiliul Școlii Doctorale de Inginerie Mecanică și Industrială;
coordonator al domeniului Inginerie Industrială – Facultatea de Științe și
Mediu

Universitatea „Dunărea de Jos” Galați, Facultatea de Științe și Mediu

Învățământ superior

Septembrie 2014-prezent

Profesor universitar doctor

Activitate didactică și de cercetare

Universitatea „Dunărea de Jos” Galați, Facultatea de Științe și Mediu

Învățământ superior

Februarie 2004-prezent

Conferențiar universitar doctor

Activitate didactică și de cercetare

Universitatea „Dunărea de Jos” Galați, Facultatea de Științe și Mediu

Învățământ superior

Ianuarie 2007-prezent

Șef Catedră de Fizică (ianuarie 2007- septembrie 2010)

Șef Colectiv de Fizică și Adjunct al Directorului Departamentului de
Chimie, Fizică și Mediu (septembrie 2010-prezent)



Activități și responsabilități principale	Management
Numele și adresa angajatorului	Universitatea „Dunărea de Jos” Galați, Facultatea de Științe, Catedra de Fizică
Sectorul de activitate	Învățământ superior
Perioada	Aprilie 2005- Ianuarie 2007
Funcția sau postul ocupat	Adjunct al Șefului Catedrei de Fizică
Activități și responsabilități principale	Management
Numele și adresa angajatorului	Universitatea „Dunărea de Jos” Galați, Catedra de Fizică
Sectorul de activitate	Învățământ superior
Perioada	Februarie 1996-Februarie 2004
Funcția sau postul ocupat	Șef de lucrări (din decembrie 1997 – doctor)
Activități și responsabilități principale	Activitate didactică și de cercetare
Numele și adresa angajatorului	Universitatea „Dunărea de Jos” Galați
Sectorul de activitate	Învățământ superior
Perioada	Octombrie 1991- Februarie 1996
Funcția sau postul ocupat	Asistent universitar
Activități și responsabilități principale	Activitate didactică și de cercetare;
Numele și adresa angajatorului	Universitatea „Dunărea de Jos” Galați
Sectorul de activitate	Învățământ superior
Perioada	Martie 1991-Octombrie 1991
Funcția sau postul ocupat	Cadru didactic asociat
Activități și responsabilități principale	Activitate didactică
Numele și adresa angajatorului	Universitatea „Dunărea de Jos” Galați
Sectorul de activitate	Învățământ superior
Perioada	Martie 1990-Aprilie 1991
Funcția sau postul ocupat	Inginer proiectant
Activități și responsabilități principale	Activitate de proiectare, Aparatură de măsură și control, Automatizări
Numele și adresa angajatorului	IPROLAM București, Filiala Galați - Platforma C.S.SIDEX
Sectorul de activitate	Industria metalurgică
Perioada	Octombrie 1987-Martie 1990
Funcția sau postul ocupat	Inginer fizician
Activități și responsabilități principale	Controlul calității produselor (laborator CTC, defectoscopie, încercări mecanice, laborator chimic, laborator de analize cu radiații X)
Numele și adresa angajatorului	Întreprinderea de Țevi (Petrotub), Roman, județul Neamț
Sectorul de activitate	Industria metalurgică
Educație și formare	
Perioada	27 Februarie 2017
Calificarea / diploma obținută	Permis de exercitare activități nucleare nivel 2
Disciplinele principale studiate / competențe profesionale dobândite	Domenii: 1) Generatori de radiații - specializarea: Analize cu radiații X; 2) Surse radioactive închise - specializarea: Aplicații cu surse radioactive.
Numele și tipul furnizorului de formare	CNCAN Bucuresti
Perioada	4-22 aprilie 2016

Calificarea / diploma obținută	Certificat de <i>Securitate radiologică în practici cu surse de radiații ionizante</i>
Disciplinele principale studiate / competențe profesionale dobândite	Generatori de radiații, acceleratori de particule, surse radioactive închise, surse radioactive deschise, detecția radiațiilor nucleare, dozimetrie, radiofarmaceutice
Numele și tipul furnizorului de formare	Institutul Național de Fizică și Inginerie Nucleară „Horia Hulubei”
Perioada	septembrie 2015
Calificarea / diploma obținută	Certificat de abilitare, domeniul Inginerie industrială
Disciplinele principale studiate / competențe profesionale dobândite	Teza de abilitare: <i>”Applications of high sensitivity analytical techniques in industry and pollution management for trace chemical composition characterization of complex samples”</i>
Numele și tipul instituției de învățământ	Universitatea „Dunărea de Jos” Galați
Nivelul în clasificarea internațională	EQF level 8
Perioada	octombrie 2005 – iunie 2008
Calificarea / diploma obținută	Diplomă de licență (a doua specializare), domeniul Matematică, specializarea Matematică informatică
Disciplinele principale studiate / competențe profesionale dobândite	Discipline generale și profesionale de matematică și informatică corespunzătoare ciclului I de studii Bologna
Numele și tipul instituției de învățământ	Universitatea „Dunărea de Jos” Galați, Facultatea de Științe
Nivelul în clasificarea internațională	EQF level 5
Perioada	octombrie 2005 – iunie 2008
Calificarea / diploma obținută	Certificat de absolvire, Departamentul pentru Pregătirea Personalului Didactic
Disciplinele principale studiate / competențe profesionale dobândite	Discipline de psiho-pedagogie corespunzătoare Modulului I - ciclul I de studii Bologna
Numele și tipul instituției de învățământ	Universitatea „Dunărea de Jos” Galați, Departamentul pentru Pregătirea Personalului Didactic
Perioada	octombrie 2005 – iunie 2007
Calificarea / diploma obținută	Diplomă de masterat, specializarea Monitorizarea și Managementul Mediului
Disciplinele principale studiate / competențe profesionale dobândite	Discipline generale și de specialitate în domeniul Știința Mediului corespunzătoare ciclului de studii post-universitare
Numele și tipul instituției de învățământ	Universitatea „Dunărea de Jos” Galați, Facultatea de Științe
Nivelul în clasificarea internațională	EQF level 7
Perioada	mai 1993 – decembrie 1997
Calificarea / diploma obținută	Diplomă de Doctor în Fizică, Specialitatea Fizica particulelor elementare
Disciplinele principale studiate / competențe profesionale dobândite	Aplicații ale metodelor atomice și nucleare în analiza microstructurală a materialelor din industria metalurgică
Numele și tipul instituției de învățământ	Universitatea București, Facultatea de Fizică
Nivelul în clasificarea internațională	EQF level 8
Perioada	Septembrie 1982 – iulie 1987
Calificarea / diploma obținută	Diplomă de Inginer, profilul Fizică, specializarea Fizică tehnologică
Disciplinele principale studiate / competențe profesionale dobândite	Discipline generale și de specialitate în domeniul Inginerie, specializarea Fizică tehnologică, secția Aparatură de măsură și control
Numele și tipul instituției de	Universitatea București, Facultatea de Fizică

învățământ
 Nivelul în clasificarea internațională EQF level 6
 Perioada Septembrie 1978 – iulie 1982
 Calificarea / diploma obținută Diplomă de bacalaureat, specializarea Matematică-Fizică
 Disciplinele principale studiate / competențe profesionale dobândite Discipline fundamentale și discipline de aprofundare în domeniile Matematică și Fizică
 Numele și tipul instituției de învățământ Liceul „Vasile Alecsandri” Galați

Aptitudini și competențe personale

Limba(i) maternă(e) **Română**
 Limba(i) străină(e) cunoscută(e)

Autoevaluare
 Nivel european (*)

Limba engleză

Limba franceză

Înțelegere				Vorbire				Scriere	
Ascultare		Citire		Participare la conversație		Discurs oral		Exprimare scrisă	
C1	Utilizator experimentat	C1	Utilizator experimentat	C2	Utilizator experimentat	C2	Utilizator experimentat	C1	Utilizator experimentat
C2	Utilizator experimentat	C2	Utilizator experimentat	B1	Utilizator independent	B2	Utilizator independent	C2	Utilizator experimentat

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

Competențe și abilități sociale

- Spirit de echipă, promptitudine (management Catedră de Fizică; co-responsabil programe de studii; membru în Biroul Consiliului Profesoral al Facultății de Științe; responsabil proiecte de cercetare; membru în echipa UDJG-Proiect POSDRU 2/1.2/S/6 "Universitate pentru viitor" – Informare corectă-cheia recunoașterii studiilor; președinte al Comisiei de Asigurarea Calității și Etică, Facultatea de Științe și Mediu)
- Capacitate de comunicare (context profesional; cursuri de psihopedagogie, sociologie; coordonare protocoale de colaborare cu universități/instituții din străinătate)
- Coordonare activitate de cercetare a studenților

Competențe și aptitudini organizatorice

- Leadership (șef de catedră/colectiv Fizică și director adjunct de departament); director proiecte internaționale ANCS - IUCN Dubna și responsabil proiecte de cercetare naționale/internaționale în parteneriat)
- Spirit organizatoric (organizarea conferințelor naționale de fizică cu participare internațională, cu 11 secțiuni; Editor-șef al revistei *Analele Universității "Dunărea de Jos" din Galați, Fascicula II, Matematică.Fizică.Mecanică teoretică*;
- Director al rețelei interdisciplinare INPOLDE din Euroregiunea „Dunărea de Jos”
- Șef de laborator „Spectroscopie atomică și nucleară” din cadrul Centrului de cercetare instituționalizat: „ANALIZE FIZICO-CHIMICE, MORFO-FUNCȚIONALE ȘI CHEMOMETRIE”, UDJG);
- Experiență în managementul mediului (studii de masterat, proiecte de cercetare)

Competențe și aptitudini tehnice

- Expert pe termen scurt, Domeniul Științe inginerești aplicate, Specializarea Inginerie fizica, Proiect POSDRU 2/1.2/S/2 "DOCIS ACPART"
- O bună cunoaștere a proceselor de control al calității în industrie (experiență profesională ca inginer fizician; studii doctorale cu aplicații în industria metalurgică; proiecte de cercetare-dezvoltare cu agenți economici)
- Stăpânirea unor tehnici de înaltă precizie și sensibilitate de analiză și control al materialelor metalurgice și geologice (studii de licență; studii de doctorat; proiecte de cercetare naționale și internaționale; plan intern

<p>Competențe și aptitudini de utilizare a calculatorului</p>	<ul style="list-style-type: none"> de cercetare) și de monitorizare a mediului (studii de masterat; proiecte de cercetare PNCDI2 și internaționale ANCS IUCN Dubna) - Modelări matematice în domeniul industrial și al mediului (activitate de cercetare - plan intern) - Microsoft Office (Word, Excel, PowerPoint); HTML; Programare C/C++ (studii de licență Matematică informatică) - Soft-uri de prelucrare de spectre X și gama – GammaW, GUPIX, LEONE - Baze de date ACCESS și SQL; Rețele de calculatoare (studii de licență Matematică informatică)
<p>Alte competențe și aptitudini</p>	<ul style="list-style-type: none"> - Experiență în asigurarea calității în învățământul superior (membru în Comisia de Calitate a Universității „Dunărea de Jos” Galați în perioada 2005-2009; Președinte al Comisiei de Calitate și Etică a Facultății de Științe și Mediu, din octombrie 2012; Evaluator ARACIS – Știința Mediului); - organizarea de laboratoare didactice: 1992-2002: lab.mecanica fizica si acustica, 1993-2010: lab.fizica atomica si nucleara; 1994-1996: lab.de radiatii nucleare si radioactivitate; 1994-1996 si 2000-2005: laboratorul de metode radiometrice de analiza; 2005: laboratorul de aparate si metode de masura, control si analiza cu radiatii; din 2010 lab. de radioactivitatea mediului; - experiență în coordonarea studenților de la programele de studii de licență și masterat (peste 70 de lucrări) la specializările Chimie-Fizică, Matematică-Fizică, Fizică informatică, Știința Mediului (licență) și Analize fizico-chimice în Știința materialelor și Mediu, Monitorizarea și Managementul Mediului (masterat).
<p>Informații despre calitatea de membru în asociații/societăți științifice</p>	<ul style="list-style-type: none"> - Membru al Asociației Generale a Inginerilor din România (AGIR); - Membru al Societății Române de Fizică; - Membru participant „The International Cooperative Programme on Effects of Air Pollution on Natural Vegetation and Crops (ICP Vegetation)” (din 2010); - Membru în colectivul de cercetare „Metode atomice si nucleare utilizate în tehnologii” Catedra de fizica atomica si nucleara, Facultatea de Fizica, Universitatea din Bucuresti (1993-1998).
<p>Informații despre premii</p>	<p><u>Premierea rezultatelor cercetării</u> – 10 articole ISI premiate de CNCSIS/UEFISCDU:</p> <ul style="list-style-type: none"> - Moraru L., Ene A., Murariu G., 2009, High-accuracy structure identification of the aluminium eutectic alloys using the colour metallography, Romanian Reports in Physics 61(4), 700-708, ISSN 1221-1451. - Ene, A., Pantelica, A, 2010, Study of transfer of minor elements during ironmaking by neutron activation analysis, Radiochimica Acta, 98 (1) , 53-57, ISSN 0033-8230. DOI: 10.1524/ract.2010.1685 - Ene A., Bogdevich O., Sion A., Spanos T., 2012, Determination of polycyclic aromatic hydrocarbons by gas chromatography-mass spectrometry in soils from Southeastern Romania, Microchemical Journal, 100, 36-41, issn 0026-265X , doi:10.1016/j.microc.2011.08.006. - Pantelica A., Ene A., Georgescu I.I., 2012, Instrumental neutron activation analysis of some fish species from Danube River in Romania, Microchemical Journal, 103, 142-147, doi:10.1016/j.microc.2012.02.005. - Zubcov E., Zubcov N., Ene A., Biletschi L., 2012, Assessment of copper and zinc levels in fish from freshwater ecosystems of Moldova, Environmental Science and Pollution Research, 19(6), 2238-2247, ISSN: 0944-1344 (Print) 1614-7499 (Online) , doi: 10.1007/s11356-011-0728-5. - Ene A., Bogdevich O., Sion A., 2012, Levels of organochlorine pesticides (OCPs) and polycyclic aromatic hydrocarbons (PAHs) in topsoils from SE Romania, Science of the Total Environment, 439, 76–86, ISSN: 0048-9697, DOI: 10.1016/j.scitotenv.2012.09.004 - Pantelica A., Freitas M.C., Ene, A., Steinnes, E., 2013, Soil pollution with toxic trace elements in selected Romanian sites studied by instrumental neutron activation analysis, Radiochimica Acta, 101, 45-50, DOI:

10.1524/ract.2013.1989.

- O.V. Ignatenko, V.A. Komar, S.V. Leonchik, N.A. Shempel, A. Ene, A. Cantaragiu, M.V. Frontasyeva, V.N. Shvetsov, 2013, Changes of nitrides characteristics in Li-N system synthesized at different pressures, Journal of Alloys and Compounds, 581, 23-27, DOI: 10.1016/j.jallcom.2013.06.173.

- Harmens, H., D. A. Norris, K. Sharps, G. Mills, R. Alber, Y. Aleksiyenak, O. Blum, S.-M. Cucu-Man, M. Dam, L. De Temmerman, Ene, A., J. A. Fernández, J. Martinez-Abaigar, M. Frontasyeva, B. Godzik, Z. Jeran, P. Lazo, S. Leblond, S. Liiv, S.H. Magnússon, B. Maňková, G. Phil-Karlsson, J. Piispanen, J. Poikolainen, J.M. Santamaria, M. Skudnik, Z. Spiric, T. Stafilov, E. Steinnes, C. Stihi, I. Suchara, L. Thöni, R. Todoran, L. Yurukova, H. G. Zechmeister, 2015, Heavy metal and nitrogen concentrations in mosses are declining across Europe whilst some "hotspots" remain in 2010, Environmental Pollution 200, 93-104, doi:10.1016/j.envpol.2015.01.036.

- Pintilie, V., Ene, A., Georgescu L.P., Moraru, D.I., 2017, Gross Alpha, Gross Beta and ⁴⁰K Activities and Daily Effective Dose Due to Natural Radionuclides from Food Supplements, Romanian Journal of Physics 62 (7-8), Art. Nr. 703.

Premierea tezei de abilitare UEFISCDU PN-II-RU-ABIL-2015-2-109.

Certificate of Excellence in Reviewing - Chemosphere, Elsevier.

Diploma of recognition of the Academy of Sciences of Moldova for outstanding contribution in the development of scientific and didactic collaboration, management of science, successful application of scientific results into practice and promoting the image of science (Chisinau, 12 October 2016).

Informații suplimentare

- *Președinte* al: National Conferences of Applied Physics, 3rd and 4th Editions, Galati, 2007, 2008; 1st International Symposium on Applied Physics – Materials Science, Environment and Health (ISAP1), Galati, November 28th-29th, 2009; Vice-Președinte al: National Conference on Applied Physics, First and 2nd Editions, Galati 2005, 2006;
- *Membriu* al comitetului organizatoric al conferintelor: National Conference of Physics CNF2008, Bucharest, September 10-13, 2008; „Applied Sciences in the Study of Environment and Materials”, Targoviste, June 5-6, 2008 and April 28-30, 2010; European Dimensions of the Doctoral Programmes (Posdru 19524) International Workshop, July 21th - July 22th, 2010, Galati; International Workshop Research Quality in Doctoral School, Increased Industrial and International Visibility, 13-14 July 2011, Galati; ISINN24, Dubna, Russia, May 24-27, 2016; ISINN25, Dubna, Russia, May 22-26, 2017.
- *Lector invitat si Membru al comitetului stiintific* al Scolii de vara: „The 3rd Joint Seminar JINR-Romania on Neutron Physics for Investigations of Nuclei, Condensed Matter and Life Sciences”, Targoviste, Romania, 24-30 July 2011.
- *Referent oficial* comisie teze de doctorat in domeniul “Inginerie Industriala” (UDJG) si “Fizica” (Universitatea din Bucuresti); referent oficial comisie teze de disertatie in domeniile Inginerie nucleara si geologica (2012) și Fizică nucleară (2013, 2015, 2017), Cairo University, Egypt;
- *Referent reviste ISI*: Nuclear Instruments and Methods, Microscopy and Microanalysis, Romanian Journal of Physics, Spectroscopy Letters, Air Quality Atmosphere & Health, Desalination and water treatment, Food Chemistry, Chemosphere, Fresenius Environmental Bulletin, Journal of Geochemical Exploration, Ecotoxicology and Environmental Safety, Environmental Science and Pollution Research, Journal of Hazardous Materials, Science of the Total Environment, Talanta, Polycyclic Aromatic Compounds, Soil and Sediment Contamination, Urban Water Journal, Polish Journal of Environmental Studies, Chemistry Journal of Moldova, Romanian Biotechnological Letters.

- *Referent reviste BDI* “African Journal of Environmental Science and Technology”; “African Journal of Biotechnology”, “African Journal of Pure and Applied Chemistry”; “Journal of Science and Arts”; “Analele Universității “Dunărea de Jos” din Galați, Fascicula II, Mat.Fiz.Mec.teor.
- Publicarea biografiei în Who's Who in the World, 2005 (22nd) Edition și 2006 (23rd) Edition (WorldCat -OCLC Number:4780021313); Who is Who VERLAG – Enciclopedia Personalităților din România (2013) (RO0800322); Publicarea biografiei în Who's Who in Science and Engineering 2006-2007 (9th) Edition; Marquis Who's Who 2018.
- Nominalizare pentru International Professional of the Year, 2005, International Biographical Centre, Cambridge, England; Nominalizare pentru 21st Century Award for Achievement, International Biographical Centre, Cambridge, England.
- Science Card (Editura ELSEVIER).

• **Stagii de cercetare în străinătate:**

- Joint Institute of Nuclear Research (JINR), Dubna, Rusia (decembrie 2009, octombrie 2011, mai 2016);
- Katholieke Universiteit (KU) Leuven, Belgium (martie 2010);
- Technological Educational Institute of Kavala, Greece (aprilie 2010; octombrie 2010; iunie 2011; iunie 2012; septembrie 2012; iunie 2013; iulie 2013; iulie 2014; iulie 2015; iunie 2016, septembrie 2016, iunie 2017, septembrie 2017);
- Institute of Zoology, Academy of Sciences of Moldova (ASM) (octombrie 2009, martie 2011, ianuarie 2012; octombrie 2012, august 2014, octombrie 2015, octombrie 2016); Institute of Geology and Seismology ASM (Octombrie 2009, august 2015, octombrie 2016).

Lucrări publicate și proiecte de cercetare-dezvoltare-inovare (in Anexă)

- **38 articole în reviste indexate ISI Web of Science;**
- **58 articole în reviste BDI; 50 articole în reviste CNCSIS;**
- **25 cărți de specialitate; 8 monografii** publicate în străinătate, **11 volume** editate;
- **197 prezentări** la conferințe internaționale; **45** la conferințe naționale cu participare internațională; **14** la conferințe naționale;
- **16 proiecte internaționale** în calitate de director/co-director, **1 proiect național** responsabil partener; **10 proiecte** în calitate de membru în echipa de cercetare; **2 granturi ANCS** - coordonator;
- **5 acorduri de cooperare internațională** în calitate de coordonator instituțional.

<http://www.researcherid.com/rid/C-1386-2011>

https://www.researchgate.net/profile/Antoaneta_Ene/

[http://www.scopus.com.am.enformation.ro/authid/detail.uri?authorId=6603045847](http://www.scopus.com/am.enformation.ro/authid/detail.uri?authorId=6603045847)

<http://orcid.org/0000-0002-6976-0767>

http://bios.marquiswhoswho.com/antoaneta_ene/physicist_researcher/4137112

LISTA COMPLETĂ A LUCRARILOR ELABORATE ȘI/SAU PUBLICATE
Prof. univ. dr. habil. ENE ANTOANETA

A. TEZA DE DOCTORAT

“*Studiul structurii de microelemente a minereurilor de fier, aglomeratelor și produselor siderurgice corelate prin metode atomice și nucleare*”, Facultatea de Fizică, Universitatea din București, 1997.

Conducător științific: Prof. dr. Călin Beșliu, Facultatea de Fizică, Universitatea București.

TEZA DE ABILITARE

“*Applications of high sensitivity analytical techniques in industry and pollution management for trace chemical composition characterization of complex samples*”, Universitatea Dunărea de Jos” din Galați, 2015.

B. CARTI

I. Carti/indrumare si capitole din carti cu caracter didactic/profesional

1. Ene, A., Picu, M., 1993, Probleme de fizica, Vol. IA - Mecanica fizica si acustica. Mecanica analitica, Universitatea Dunarea de Jos, Galati, 155 pagini.
2. Moraru, L., Ene, A., 1993, Probleme de fizica, Vol. IB – Fizica moleculara si caldura, Universitatea Dunarea de Jos, Galati, 153 pagini.
3. Ene, A., Mitoseriu, L., 1997, Indrumar de lucrari practice de mecanica fizica si acustica, Universitatea Dunarea de Jos, Galati, 89 pagini.
4. Bostan, M., Dobrescu, D., Danila, E., Ene, A., Gheorghies, C., Mitoseriu, L., Nat, A., Sahlean, V., Scarlet, G., Toma, D., Toma, E., Tudose, C., Tigau, N., Velican, N., Vieriu, P., Voiculescu, M., 1997, Teste de fizica pentru admiterea in invatamantul superior, Universitatea Dunarea de Jos, Galati, 154 pagini.
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2. Besliu, C., Olariu, A., Popescu, I., Badica, T., Ene, A., Demirian, D., 1994, Determination of minor and trace elements in iron ores, cast iron, slag and steels by neutron activation, National Physics Conference - Paper Abstracts, Sibiu, September 21-24, p.34.
3. Popescu, I., Badica, T., Besliu, C., Ene, A., Olariu, A., 1995, Determination of oxygen in steels by deuteron - induced prompt gamma-ray spectrometry, National Physics Conference - Paper Abstracts, Baia Mare, November 31-December 02, p.64.

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13. C. Stihî, G. Dima, I. V. Popescu, A. Ene, G. Vlaicu, V. Cimpoca, C.Oros, S. Dinu, O. Bute, L. Manea, Water quality monitoring of Ialomita river by AAS, ICP and TDS measurements, Sesiunea științifică „Științe aplicate în studiul mediului înconjurător și materialelor”, 5-6 iunie 2008, Târgoviște, secțiunea 3 - Științe aplicate (Fizica, Chimie, Matematica), Program - p.14.
14. Antoaneta Ene, Thomas Spanos, Study of distribution and sources of polycyclic aromatic hydrocarbons (PAHs) in topsoils from SE Romania using multivariate statistical analysis, Workshop "Mathematics. Computer Science and Applications", December 6-8, 2012, Galati, Romania, Program and Abstracts, p. 7-8.

D. BREVETE DE INVENTIE - NU

E. PROIECTE DE CERCETARE-DEZVOLTARE-INOVAR

Proiecte internaționale in calitate de director sau responsabil (in consortiu)

1. RESEARCH PROJECT 2010 JINR-Romania no. 22, Nuclear and related analytical techniques for environmental and life sciences, JINR Theme No. 03-4-1036-2001/2010, Order IUCN no. 57/08.02.2010/Project No.10, Nuclear Physics with Neutrons-Fundamental and Applied Investigations, Protocol No.3869-4-08/10, **Leaders from Romania:** Popescu Ion V., **Ene Antoaneta**, Cucu-Man Simona, Todoran Radu ; valoare totală contractată 20000 USD (7500+12500 USD).
2. RESEARCH PROJECT 2011 JINR-Romania no. 43, Nuclear and related analytical techniques for environmental and life sciences, JINR Theme no. 03-4-1104-2011/2013, Investigations in the Field of Nuclear Physics with Neutrons, **Leaders from Romania:** Popescu Ion (Project Director, Valahia University of Targoviste), **Ene Antoaneta (Co-director, UDJ Galati)**, Cucu-Man Simona (Co-director, UAIC Iasi), Todoran Radu (Co-director, Univ. Baia Mare), valoare totală contractată 4000 USD (2000+2000 USD).
3. RESEARCH PROJECT 2012 JINR-Romania no. 51, Crystallization processes and characteristics of cubic boron nitride studied by nuclear and related analytical and imaging techniques, JINR Theme no. 03-4-1104-2011/2013, Investigations in the Field of Nuclear Physics with Neutrons, Protocol No. 4113-4-11/13, Order IUCN no. 82/06.02.2012, **Director from Romania: Ene Antoaneta.** valoare totală contractată 4000 USD (3000+1000 USD).
4. RESEARCH PROJECT 2012 JINR-Romania no. 66, Nuclear and related techniques for environmental and life sciences, JINR Theme no. 03-4-1104-2011/2013, Investigations in the Field of Nuclear Physics with Neutrons, Protocol No. 4080-4-2011-2013, **Leaders from Romania:** Popescu Ion (Project Director, Valahia University of Targoviste), **Ene Antoaneta (Co-director, UDJ Galati)**, Cucu-Man Simona (Co-director, UAIC Iasi), Todoran Radu (Co-director, Univ. Baia Mare). valoare totală contractată 10500 USD (7500+3000 USD).

5. RESEARCH PROJECT 2013 JINR-Romania no. 61, Nitrides characteristics in B-N and Li-N systems studied by nuclear and related analytical and imaging techniques, Order IUCN 82/18.02.2013 & Order IUCN 81/18.02.2013, JINR Theme no. 03-4-1104-2011/2013, Investigations in the Field of Nuclear Physics with Neutrons, Protocol No. 4113-4-11/13, **Director from Romania: Ene Antoaneta.** valoare totală contractată 6000 USD (3000+3000 USD).
6. RESEARCH PROJECT 2013 JINR-Romania no. 72, Nuclear and related analytical techniques for the environmental and life sciences, Order IUCN 82/18.02.2013 & Order IUCN 81/18.02.2013, JINR Theme no. 03-4-1104-2011/2013, Investigations in the Field of Nuclear Physics with Neutrons, Protocol No. 4080-4-2011-2013, **Leaders from Romania:** Popescu Ion (Project Director, Valahia University of Targoviste), Stihl Claudia (Co-director, Valahia University of Targoviste), Cristiana Radulescu (Co-director, Valahia University of Targoviste), **Ene Antoaneta (Co-director,** UDJ Galati), Cucu-Man Simona (Co-director, UAIC Iasi). valoare totală contractată 6000 USD (4000+2000 USD).
7. RESEARCH PROJECT 2014 JINR-Romania no. 78, Characterization of crystalline diamonds, boron and lithium nitrides using nuclear and related analytical techniques and imaging microscopy, JINR Theme no. 03-4-1104-2011/2016, Investigations in the Field of Nuclear Physics with Neutrons, Protocol No. 4321-4-14/16, **Director Romania: Ene Antoaneta.** valoare totală contractată 5000 USD (3000+2000 USD).
8. RESEARCH PROJECT 2015 JINR-Romania no. 87, Nuclear and related analytical techniques applied for air pollution and vegetation with heavy metals, nitrogen, and radionuclides., **Leaders from Romania:**I.V.Popescu, C. Stihl, **Ene A,** S. Cucu-Man, R. Todoran) valoare totală contractată 6000 USD (3000+3000 USD).
9. RESEARCH PROJECT 2015 JINR-Romania no. 84, Investigation of crystalline materials (diamonds, boron and lithium nitrides) using atomic and nuclear analytical techniques and imaging microscopy JINR Theme no. 03-4-1104-2011/2016, Investigations in the Field of Nuclear Physics with Neutrons, Protocol No. 4321-4-14/16, **Director Romania: Ene Antoaneta.** valoare totală contractată 4000 USD (3000+1000 USD).
10. Project MIS ETC code 1676 “Cross-border interdisciplinary cooperation for the prevention of natural disasters and mitigation of environmental pollution in Lower Danube Euroregion” , Grant Contract 92370/11.12.2013, Grant Project funded by European Union (ENPI), Joint Operational Programme Romania-Ukraine-Republic of Moldova, Priority 2 – Environment and emergency preparedness, Sector code DACCRS:41082 - Environmental research, Project Manager: **Ene Antoaneta,** valoare totală contractată 1.695.782,80 EUR (UDJG – 572.546,83 EURO).
11. RESEARCH PROJECT 2016 JINR-Romania no. 104, Investigation of crystalline materials (diamonds and boron nitrides) using atomic and nuclear analytical techniques and imaging microscopy, Theme no. 03-4-1104-2011/2016, Investigations in the Field of Nuclear Physics with Neutrons, Protocol No. 4321-4-14/16, **Director Romania: Ene Antoaneta.**
12. RESEARCH GRANT JINR-Romania no. 24/2016, Development of infrastructure of spectroscopy and microscopy laboratories used for the characterization of environmental and crystalline materials, Theme no. 03-4-1104-2011/2016, **Director Romania: Ene Antoaneta.**
13. RESEARCH PROJECT 2017 JINR-Romania no. 80, Investigation of advanced functional materials using atomic and nuclear analytical techniques and imaging microscopy, Theme no. 03-4-1128-2017/2019, Investigations of Neutron Nuclear Interactions and Properties of the Neutron, Protocol No. 4613-4-17/19, **Director Romania: Ene Antoaneta.**
14. RESEARCH PROJECT 2017 JINR-Romania no. 81, Applied research on air and soil pollution with toxic elements using nuclear and related analytical techniques, Theme no. 03-4-1128-2017/2019, Investigations of Neutron Nuclear Interactions and Properties of the Neutron, Protocols Nos. 4619-4-17/19,4613-4-17/19,4610-4-17/19, **Leaders from Romania:** Stihl Claudia (Project Director, Valahia University of Targoviste), **Ene Antoaneta (Co-director,** UDJ Galati), Dan-Gabriel Ghita (Co-director, IFIN-HH Magurele).
15. Project Joint Operational Programme Black Sea Basin 2014-2020, code BSB27, Title: Black Sea Basin interdisciplinary cooperation network for sustainable joint monitoring of environmental toxicants migration, improved evaluation of ecological state and human health impact of harmful substances, and public exposure prevention (MONITOX), Manager de proiect ENE ANTOANETA (în curs de contractare).
16. Project Joint Operational Programme Black Sea Basin 2014-2020, code BSB165, Title: Creating a system of innovative transboundary monitoring of the transformations of the Black Sea river ecosystems under the impact of hydro-power development and climate change (HydroEcoNex), Coordonator de proiect din partea UDJG: ENE ANTOANETA (în curs de contractare).

Proiecte naționale – responsabil partener in consortiu

1. Proiect complex nr. 72-172/2008, PNCDI-2 – parteneriate, 2008-2011; directia de cercetare 7, TEHNICI DE INALTA PRECIZIE SI SENSIBILITATE APLICATE IN REțele DE BIOMONITORIZARE A POLUĂRII MEDIULUI CU FACTORI POLUĂNTI DIN ZONELE DE DEZVOLTARE DE SUD, SUD-EST SI CENTRALA ALE ROMĂNIEI (TIPSARMER); **responsabil Partener 1 (UDJG).** valoare totală contractată 2.000.000 RON (UDJG - 300.000 RON).

Granturi naționale (ANCS)– coordonator

1. Contract ANCS nr. 109M/2007 de finanțare a Conferinței Naționale de Fizică aplicată, Ediția a III-a, Galati, 15-16 iunie 2007; **coordonator**
2. Contract ANCS nr. 165/1.07.2008 de finanțare a Conferinței Naționale de Fizică aplicată, Ediția a IV-a, Galati, 25-26 septembrie 2008; **coordonator**

Proiecte naționale și cu finanțare internațională– membru în echipa de cercetare sau de implementare

1. Contract de cercetare-dezvoltare nr. 165/1993, Beneficiar Combinatul Siderurgic SIDEX S.A. Galati, Studiu privind posibilitatile de determinare a continutului de elemente prin metode nucleare la carbuni, cocs metalurgic, minereuri de fier, pelete, feroaliaje, prafuri de turnare si mase refractare utilizate in procesele metalurgice, Director: Prof. dr. Călin Beșliu, Facultatea de Fizică, Universitatea București; **membru în echipa de cercetare.**
2. Contract de cercetare-dezvoltare nr. 0810.60/1995, Beneficiar Combinatul Siderurgic SIDEX S.A. Galati, Corelarea rezultatelor obtinute cu metode nucleare asupra structurii de microelemente in fluxul tehnologic minereu-aglomerat-fonta-oteluri cu proprietatile mecanice si de fiabilitate a produselor finite, Beneficiar Combinatul Siderurgic SIDEX S.A. Galati, Director: Prof. dr. Călin Beșliu, Facultatea de Fizică, Universitatea București **membru în echipa de cercetare.**
3. Contract de cercetare stiintifica nr. 141/1997, Beneficiar Combinatul Siderurgic SIDEX S.A. Galati, Cercetari privind influenta potentialului chimic si termic al fontei lichide asupra desfasurarii procesului de elaborare in convertizor LD si a calitatii otelului elaborat, Director: Prof.dr. Ivănescu Alexandru, Facultatea de Metalurgie UDJG; **membru în echipa de cercetare.**
4. Proiect complex nr. 81-009/2007, PNCDI-2 – parteneriate 2007-2010; directia de cercetare 8 - Spațiu și securitate, Straturi frontieră și structuri de sarcină în plasmale circumplanetare (SAFIR); <http://iss30.nipne.ro/SAFIR/listaSAFIR.html>; **membru Partener 1 (UDJG).**
5. Contract de cercetare-dezvoltare cu agenți economici - Contract de cercetare nr.529/2008, beneficiar MENAROM PEC SA Galati, Modernizarea cuptoarelor de încălzire (forjă) în vederea reducerii consumului de gaz metan și a optimizării procesului tehnologic la acest sector, Director: Prof.dr. Ivănescu Alexandru, Facultatea de Metalurgie UDJG; **membru în echipa de cercetare.**
6. PROJECT TERSID (517361-TEMPUS-1-2011-1-IT-TEMPUS-JPHES) 2011-2014,,Technical Education on Resource Savings for Industrial Development / Educatie tehnica privind economisirea resurselor pentru dezvoltare industrială”, Director UDJG : Prof.dr. Mirela Praisler, **membru în echipa de cercetare - Ene Antoaneta**
7. Proiect POSDRU / 21 / 1.5 / G / 19524 din 28.05.2009, 2009-2011, PhD EXPERT - Cresterea calitatii in formarea cercetatorilor pe baza de programe doctorale imbunatatite prin parteneriat, Sursa de finantare: Programul Operational Sectorial Dezvoltarea Resurselor Umane 2007-2013, Numarul de referinta al programului (CCI) : 2007RO051PO001, (<http://www.phd-expert.ugal.ro/index.htm>), Director UDJG:Prof.dr. Maria Vlad; **membru in echipa de implementare (grupul tinta).**
8. Proiect POSDRU 2/1.2/S/6, Ministerul Educației, Cercetării, Tineretului și Sportului, prin Centrul Național de Recunoaștere și Echivalare a Diplomelor, 2010-2011, "Universitate pentru viitor" – Informare corectă-cheia recunoașterii studiilor, **membru în echipa de implementare UDJG**; <http://cnred.edu.ro/#Proiect-FSE>
9. Proiect POSDRU 2/1.2/S/2 "DOCIS ACPART", 2009-2011, „Dezvoltarea unui sistem operational al calificarilor din invatamantul superior din Romania”, **Expert pe termen scurt (oct.2009-iulie 2011) Specializarea Inginerie fizică.**
10. MESMERISE 700399/2016: Multi-Energy High Resolution Modular Scan System for Internal and External Concealed Commodities, Horizon 2020, Call: H2020-BES-2015, Topic: BES-08-2015, Type of action: RIA, 01.05.2016-30.04.2019 ,Director UDJG : Prof.dr.Luminita Moraru, **membru în echipa de cercetare - Ene Antoaneta.**
11. Proiect sectorial 3PS/2017 -Cercetări în sprijinul dezvoltării capacității de evaluare și atenuare a impactului schimbărilor climatice și a altor factori de stress asupra stării ecosistemelor forestiere și a culturilor viticole. Director UDJG : Prof.dr.Gabriel Murariu, **membru în echipa de cercetare - Ene Antoaneta.**
12. Proiect sectorial 6PS/2017 - Cercetări în sprijinul modernizării sistemului național de monitorizare a ecosistemelor silvice prin utilizarea tehnicilor de teledetecție și a sistemelor de tip UAV. Director UDJG : Prof.dr.Gabriel Murariu, **membru în echipa de cercetare - Ene Antoaneta**
13. Proiect sectorial 4PS/2017 -Cercetări în sprijinul dezvoltării capacității de monitorizare, evaluare și valorificare a resurselor naturale oferite de zonele umede de importanță internațională din România și zona costieră a Mării Negre. Director UDJG : Prof.dr.Gabriel Murariu, **membru în echipa de cercetare - Ene Antoaneta**