



Curriculum vitae Europass

Informații personale

Nume / Prenume

Adresă(e)

Telefon(oane)

Fax(uri)

E-mail(uri)

Naționalitate(-tăți)

Data nașterii

Locul de muncă vizat

Experiența profesională

Perioada

Funcția sau postul ocupat

Activități și responsabilități principale

Numele și adresa angajatorului

Tipul activității sau sectorul de activitate

Perioada

Funcția sau postul ocupat

Activități și responsabilități principale

Numele și adresa angajatorului

Tipul activității sau sectorul de activitate

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Activități și responsabilități principale

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Tipul activității sau sectorul de activitate

Perioada

Funcția sau postul ocupat

Activități și responsabilități principale

Numele și adresa angajatorului



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

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+40 236 461353

aene@ugal.ro

Română

07.07.1964

Consiliul Școlii Doctorale de Inginerie Mecanică și Industrială

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

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

Învățăământ superior

Septembrie 2014-prezent

Profesor universitar doctor

Activitate didactică și de cercetare

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

Învățăământ superior

Februarie 2004-prezent

Conferențiar universitar doctor

Activitate didactică și de cercetare

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

Învățăământ 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)

Management

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 București
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</i>

Numele și tipul instituției de învățământ	„characterization of complex samples” 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 învățământ	Universitatea București, Facultatea de Fizică
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)

Limba(i) străină(e) cunoscută(e)

Autoevaluare

Nivel european ()*

Limba engleză

Limba franceză

Română

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	<ul style="list-style-type: none">- Spirit de echipă, promptitudine (management Catedră de Fizică; co-responsabil programe de studii; membru în Biroul Consiliului Profesorat 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	<ul style="list-style-type: none">- 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 <i>Analele Universității "Dunărea de Jos" din Galați, Fascicula II, Matematică.Fizică.Mecanică teoretică</i>;- 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	<ul style="list-style-type: none">- 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 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)
Competențe și aptitudini de utilizare a calculatorului	<ul style="list-style-type: none">- 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)
Alte competențe și aptitudini	<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).

Informații despre calitatea de membru în asociații/societăți științifice

Informații despre premii

Informații suplimentare

- Membru al Asociației Generale a Inginerilor din Romania (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 și nucleare utilizate în tehnologii” Catedra de fizică atomică și nucleară, Facultatea de Fizică, Universitatea din București (1993-1998).

Premierea rezultatelor cercetării – 10 articole ISI premiate de CNCSIS/UEFISCDU:

- 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., Biletchi 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. Martínez-Abaigar, M. Frontasyeva, B. Godzik, Z. Jeran, P. Lazo, S. Leblond, S. Liiv, S.H. Magnússon, B. Maňkóvká, G. Phil-Karlsson, J. Piispanen, J. Poikolainen, J.M. Santamaria, M. Skudnik, Z. Spiric, T. Stafilov, E. Steinnes, C. Stihl, 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 journal, 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).

- *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;
- *Membru* al comitetului organizatoric al conferințelor: 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, 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.
- 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)

- **37 articole în reviste indexate ISI** Web of Science;
- **26 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;
- **14 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 Dunărea de Jos, Galați, 155 pagini.
2. Moraru, L., Ene, A., 1993, Probleme de fizica, Vol. IB – Fizica moleculara si caldura, Universitatea Dunărea de Jos, Galați, 153 pagini.
3. Ene, A., Mitoseriu, L., 1997, Indrumar de lucrari practice de mecanica fizica si acustica, Universitatea Dunărea de Jos, Galați, 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 Dunărea de Jos, Galați, 154 pagini.
5. Ene, A., Nat, A., 1999, Indrumar de laborator de fizica atomica si nucleara, Universitatea Dunărea de Jos, Galați, 154 pagini.
6. Ene, A., 2005-2006, Fizica (IFR), Centrul de multiplicare IDD/IFR al Universitatii Dunărea de Jos, Galați, 100 pagini.

II. Carti/monografii publicate in edituri recunoscute CNCSIS

1. Ene, A., 2000, Fizica – volumul I, Editura Fundatiei Universitare Dunărea de Jos, Galați, 256 pagini, ISBN 973-99424-9-0. <http://www.editura.ugal.ro/Anul2000/Anul2000p3.htm>
2. Ene, A., 2001, Probleme de mecanica fizica si acustica, Editura Fundatiei Universitare Dunărea de Jos, Galați, 148 pagini, ISBN 973-8352-05-3.
3. Nat, A., Ene, A., 2001, Probleme de fizica atomica, Editura Fundatiei Universitare Dunărea de Jos, Galați, 159 pagini, ISBN 973-8139-65-1. <http://www.editura.ugal.ro/Anul2001/Anul2001p4.htm>
4. Ene, A., 2002, Fizica – volumul II, Editura Fundatiei Universitare Dunărea de Jos, Galați, 252 pagini, ISBN 973-8352-73-8. <http://www.editura.ugal.ro/Anul2002/Anul2002p9.htm>
5. Nat, A., Ene, A., 2002, Indrumar de laborator de fizica, Editura Cartea Universitara, Bucuresti, 116 pagini, ISBN 973-86042-0-6. http://www.librariaeminescu.ro/isbn/973-7956-42-7/Antoaneta-Ene_INDRUMAR-DE-LABORATOR-DE-FIZICA
6. Nat, A., Ene, A., 2003, Fizica atomica si nucleara. Culegere de probleme, Editura Cartea Universitara, Bucuresti, 354 pagini, ISBN 973-7956-12-5.
7. Nat, A., Ene, A., Tudose, C., Velican, N., Gheorghies, C., Vieriu, P., Sahlean, V., Toma, E., Tigau, N., Murariu, G., Condurache-Bota, S., Enache, L., 2003, Fizica. Teste grila pentru bacalaureat si admitere in invatamantul superior, Editura Fundatiei Universitare Dunărea de Jos, Galați, 261 pagini, ISBN 973-627-024-6. <http://www.editura.ugal.ro/Anul2003/Anul2003p6.htm>
8. Nat, A., Ene, A., 2003-2006, Indrumar de laborator de fizica - editia II,III,IV,V revizuita si adaugita, Editura Cartea Universitara, Bucuresti, 131 pagini, ISBN 973-7956-42-7. <http://www.bcuculuj.ro/re/catalogold/cas/pdf/n/a/Nat-Nataradzan.pdf>
9. Ene, A., 2003, Fizica pentru ingineri. Lucrari practice si probleme rezolvate, Editura Fundatiei Universitare Dunărea de Jos, Galați, 304 pagini, ISBN 973-627-060-2. <http://www.editura.ugal.ro/Anul2003/Anul2003p10.htm>
10. Ene, A., 2003, Elemente de fizica pentru ingineri, Editura Fundatiei Universitare Dunărea de Jos, Galați, 435 pagini, ISBN 973-627-074-2. <http://www.editura.ugal.ro/Anul2003/Anul2003p8.htm>
11. Ene, A., 2005, Metode radiometrice de analiza multielementala (E-book), Editura Cartea Universitara, Bucuresti, 300 pagini, ISBN 973-731-153-1.
12. Ene, A., 2006, Tehnici radiometrice de analiza si control (E-book), Editura Fundatiei Universitare Dunărea de Jos din Galați, 345 pagini, ISBN (10) 973-627-308-3 si ISBN (13) 978-973-627-308-7. <http://www.editura.ugal.ro/Anul2006/Anul2006p9.htm>

13. Ene, A., Pantelica, A., 2011, Tehnici analitice atomice și nucleare utilizate în monitorizarea mediului, Galati University Press, 100 pagini, ISBN 978-606-8348-17-9. http://www.ugal.ro/carti/tehnici_analitice_atomice_si_nucleare_utilizate_in_monitorizarea_mediului
14. Ene, A., Tigau N., Murariu, G., Condurache-Bota, S., 2012, Teste grilă de fizică pentru admitere în învățământul superior, Galati University Press, 33 pagini, ISBN 978-606-8348-49-0. <http://www.gup.ugal.ro/index.php?page=pages.pa&title=Publica%C8%9Bii>
15. Ene, A., Chapter 3– X-ray fluorescence technique, pp. 61-88 (28 pag.), in: Instrumental Techniques for Environmental Investigations: Methodological Guide = Tehnici Instrumentale pentru Investiții de Mediu: Ghid Metodologic (Editor - Ene, A.), Ed. Tehnopress, Iasi, 2015, ISBN 978-606-687-233-1, 220 p.
16. Ene, A., Capitolul 3 – Tehnica fluorescenței de raze X, pp. 169-196 (28 pag.), in: Instrumental Techniques for Environmental Investigations: Methodological Guide = Tehnici Instrumentale pentru Investiții de Mediu: Ghid Metodologic (Editor - Ene, A.), Ed. Tehnopress, Iasi, 2015, ISBN 978-606-687-233-1, 220 p.
17. Bogdevich O., Ene, A., Chapter 4 – Gas chromatography technique in environmental analyses, pp. 89-112 (24 pag.), in: Instrumental Techniques for Environmental Investigations: Methodological Guide = Tehnici Instrumentale pentru Investiții de Mediu: Ghid Metodologic (Editor - Ene, A.), Ed. Tehnopress, Iasi, 2015, ISBN 978-606-687-233-1, 220 p.
18. Bogdevich O., Ene, A., Capitolul 4 – Tehnica cromatografiei de gaze în analize de mediu, pp. 197-220 (24 pag.), in: Instrumental Techniques for Environmental Investigations: Methodological Guide = Tehnici Instrumentale pentru Investiții de Mediu: Ghid Metodologic (Editor - Ene, A.), Ed. Tehnopress, Iasi, 2015, ISBN 978-606-687-233-1, 220 p.
19. Antoaneta ENE, Yuriy Denga, Richard Lisovskyi, Tatiana Gavrilova, Oleg Bogdevich, Elena Zubcov, Atlas of Maps (Eds. - Ene, A., Denga Yu., Bogdevich O., Zubcov E.), Ed. Tehnopress, Iasi, 2015, ISBN 978-606-687-235-5, 40 p.

III. Carti/monografiile publicate in edituri din străinătate

1. Harry Harmens, Gina Mills, Felicity Hayes, David Norris (Eds.), *and the participants of the ICP Vegetation*, 2011, Air Pollution and Vegetation-ICP Vegetation Annual Report 2010/2011; Publisher: ICP Vegetation Programme Coordination Centre, Centre for Ecology and Hydrology, Environment Centre Wales, Deiniol Road, Bangor, Gwynedd, LL57 2UW, UK, Editors: H. Harmens, G. Mills, F. Hayes, D. Norris, ISBN 978-1-906698-26-3, 41 pag. (H. Harmens, G. Mills, F. Hayes, D. Norris, J. M. Abaigar, J.R. Aboal, S. S. Ahmad, R. Alber, R. Alonso, N. Akinshina, Y. Aleksiyenak, M. Ashmore, A. Azizov, S. Bassin, F. Batic, J. Bender, T. Berg, V. Bermejo, R. Bermejo-Orduna, O. Bethenod, V. Blanke, O. Blum, S. Boltersdorf, F. Booker, K. Borowiak, S. Braun, G. Brumelis, P. Büker, K. Burkey, A. Carballeira Ocaña, V. Calatayud, E. Calvo, H. Cambridge, J.-F. Castell, S. Cieslik, S. Cinderby, D. Cooper, M. Coskun, S.E. Cozar, M. Dam, H. Danielsson, B. Davies, K. Eler, L. Emberson, E. Ermakova, **A.Ene**, M. Fagnano, A. Fangmeier, Z. Feng, J. A. Fernández Escibano, I.G. Fernández, E. Fiscus, L. Foan, M. Frontasyeva, A. Francini-Ferrante, J. Franzaring, M. Frolova, J. Fuhrer, I. Fumagalli, L. Galsomiès, J.-P. Garrec, G. Gerosa, B. Godzik, N. Goltsova, L. Gonzalez Miqueo, E. Goumenaki, E. Green, L. Grünhage, J. Hall, E. Heyneke, R. T. Las Heras, M. Holland, K. Hoydal, J. M. Infante Olarte, J. J. Irigoyen, Z. Jeran, Y. Jolivet, L. Jones, S. Jovanovic, P. Kapusta, J. Karhu, G. P. Karlsson, P.-E. Karlsson, A. Klumpp, Y. Kohno, M. Krmar, G. Krüger, E. Kubin, K. Kvietkus, P. Lazo, S. Leblond, S. Liiv, A. Lucaci, S. Madkour, S. Magnússon, F. Manes, B. Maňková, S. Manninen, A. de Marco, M. Mastroianni, S. Miranova, R. Mocanu, C. Nali, O. Nikodemus, E. Núñez Olivera, Y. Pankratova, R. Pesch, J. Piispanen, H. Pleijel, J. Poikolainen, L. Postiglione, S. Power, J. Ramirez, G. Rana, D. Radnovich, A. Riss, A. Rühling, A. Ruttens, C. Saitanis, E. Salvatori, J. Santamaria, D. Saxena, A. Screpanti, W. Schröder, V. Silli, G. Soja, Z. Spiric, T. Stafilov, E. Steinnes, A. Sterkenburg, I. Suchara, J. Sucharová, G. Szarek-Łukaszewska, G. Tabors, L. De Temmerman, D. le Thiec, L. Thöni, B. Turk, V. Urumov, D. Valiulis, K. Vandermeiren, D. Velissariou, K. Vergel, M. Vitale, M. Volk, L. Yurukova, N. Waegeneers, H.-J. Weigel, W. Werner, S. Wilkinson, H. Zechmeister) <http://icpvegetation.ceh.ac.uk/publications/documents/ICPVegetationannualreport2010-11.pdf>
2. Harry Harmens, Gina Mills, Felicity Hayes, David Norris (Eds.), *and the participants of the ICP Vegetation*, 2012, Air Pollution and Vegetation-ICP Vegetation Annual Report 2011/2012; Publisher: ICP Vegetation Programme Coordination Centre, Centre for Ecology and Hydrology, Environment Centre Wales, Deiniol Road, Bangor, Gwynedd, LL57 2UW, UK, Editors: H. Harmens, G. Mills, F. Hayes, D. Norris, ISBN 978-1-906698-35-5, 50 pag. (H. Harmens, G. Mills, F. Hayes, D. Norris, J. M. Abaigar, J.R. Aboal, S. S. Ahmad, R. Alber, R. Alonso, N. Akinshina, Y. Aleksiyenak, M. Ashmore, A. Azizov, M. Baggard, S. Bassin, F. Batic, J. Bender, T. Berg, V. Bermejo, R. Bermejo-Orduna, J. Berner, O. Bethenod, V. Blanke, O. Blum, S. Boltersdorf, F. Booker, K. Borowiak, S. Braun, G. Brumelis, P. Büker, K. Burkey, A. Carballeira Ocaña, V. Calatayud, E. Calvo, N. Callaghan, H. Cambridge, J.-F. Castell, S. Cieslik, S. Cinderby, D. Cooper, M. Coskun, S.E. Cozar, M. Dam, H. Danielsson, B. Davies, K. Eler, L. Emberson, E. Ermakova, **A.Ene**, M. Fagnano, A. Fangmeier, S. Fares, Z. Feng, J. A. Fernández Escibano, I.G. Fernández, A. Finco, E. Fiscus, L. Foan, M. Frontasyeva, A. Francini-Ferrante, J. Franzaring, M. Frolova, J. Fuhrer, I. Fumagalli, L. Fusaro, L. Galsomiès, J.-P. Garrec, G. Gerosa, B. Godzik, N. Goltsova, L. Gonzalez Miqueo, E. Goumenaki, E. Green, L. Grünhage, J. Hall, E. Heyneke, R. T. Las Heras, M. Holland, K. Hoydal, J. M. Infante Olarte, J. J. Irigoyen, S. Izquieta, Z. Jeran, Y. Jolivet, L. Jones, S. Jovanovic, P. Kapusta, J. Karhu, G. P. Karlsson, P.-E. Karlsson, A. Klumpp, Y. Kohno, M. Krmar, G. Krüger, E. Kubin, K. Kvietkus, P. Lazo,

- S. Leblond, S. Liiv, A. Lucaciu, S. Madkour, S. Magnússon, L. Mahdhi, F. Manes, B. Maňkovská, S. Manninen, A. de Marco, R. Marzuoli, M. Mastrorilli, I. Melece, S. Miranova, M. Mircea, R. Mocanu, C. Nali, O. Nikodemus, E. Núñez Olivera, Y. Pankratova, R. Pesch, J. Piispanen, H. Pleijel, J. Poikolainen, L. Postiglione, S. Power, J. Ramirez, G. Rana, D. Radnovich, A. Repellin, G. Righini, A. Rühling, A. Ruttens, C. Saitanis, E. Salvatori, J. Santamaría, D. Saxena, W. Schröder, V. Silli, V. Simon, H.C. Sogo, G. Soja, Z. Spiric, T. Stafilov, E. Steinnes, A. Sterkenburg, I. Suchara, J. Sucharová, G. Szarek-Łukaszewska, G. Tabors, L. De Temmerman, D. le Thiec, L. Thöni, B. Turk, H. Uggerud, V. Urumov, D. Valiulis, K. Vandermeiren, D. Velissariou, K. Vergel, M. Vitale, M. Volk, L. Yurukova, N. Waegeneers, T. Walser, H.-J. Weigel, W. Werner, S. Wilkinson, H. Zechmeister). http://icpvegetation.ceh.ac.uk/publications/documents/ICPVegetationannualreport2011-12_Final_000.pdf
3. H. Harmens, D. Norris, G. Mills, *and the participants of the moss survey* (J. Aboal Viñas, R. Alber, Y. Aleksiyaynak, K. Baceva, L. Barandovski, T. Berg, O. Blum, A. Carballeira Ocaña, A. Chilian, S.-M. Cucu-Man, O. A. Culicov, M. Dam, H. Danielsson, A. M. Dunaev, D. Elustondo, **A. Ene**, J. Á. Fernández Escribano, M. V. Frontasyeva, A. Gheboianu, B. Godzik, Z. I. Goryainova, A. Hanus, K. Hoydal, M. Infante Olarte, S. Izquieta, Z. Jeran, P. Kapusta, J. Karhu, E. Kubin, X. Laffray, P. Lazo, N. A. Lebedeva, S. Leblond, S. Liiv, S. Magnússon, B. Mankovska, J. Martínez-Abaigar, A. Maxhuni, E. Núñez-Olivera, J. G. Pihl Karlsson, J. Piispanen, J. Poikolainen, I. V. Popescu, F. Qarri, C. Radulescu, A. Riss, A. Ruttens, J. M. Santamaría, M. Skudnik, Z. Spiric, T. Stafilov, E. Steinnes, C. Stihl, I. Suchara, J. Sucharová, L. De Temmerman, H. Thelle Uggerud, L. Thöni, R. Todoran, R. Tomás-LasHeras, K. N. Vergel, I. V. Vikhrova, N. Waegeneers, L. Yurukova, H. G. Zechmeister, I. Zinicovscaia), **HEAVY METALS AND NITROGEN IN MOSSES: SPATIAL PATTERNS IN 2010/2011 AND LONG-TERM TEMPORAL TRENDS IN EUROPE, 2013**; 63 pp., Publisher: ICP Vegetation Programme Coordination Centre, Centre for Ecology and Hydrology, Environment Centre Wales, Bangor, UK, Editor: H. Harmens, D. Norris, G. Mills, ISBN: 978-1-906698-38-6. <http://icpvegetation.ceh.ac.uk/publications/documents/Finalmossreport2010-11forweb.pdf>
 4. Harmens, Harry; Mills, Gina; Hayes, Felicity; Norris, David (Eds.) *and the participants of the ICP Vegetation.*; (J. R. Aboal, S. S. Ahmad, R. Alber, R. Alonso, Y. Aleksiyaynak, H.I. Amadou, L. Barandovski, M. Baggard, S. Bassin, F. Batic, J. Bender, T. Berg, V. Bermejo, J. Berner, O. Bethenod, O. Blum, S. Boltersdorf, K. Borowiak, S. Braun, P. Büker, K. Burkey, V. Calatayud, E. Calvo, H. Cambridge, A. Carballeira Ocaña, J. F. Castell, S. Cieslik, S. Cinderby, D. Cooper, M. Coskun, S.E. Cozar, S. M. Cucu-Man, O. A. Culicov, M. Dam, H. Danielsson, B. Davies, K. Eler, L. Emberson, A. M. Dunaev, **A. Ene**, S. Fares, Z. Feng, I.G. Fernández, J. Á. Fernández Escribano, A. Finco, L. Foan, M. V. Frontasyeva, M. Frolova, J. Fuhrer, I. Fumagalli, L. Galsomiès, J.-P. Garrec, G. Gerosa, B. Godzik, N. Goltsova, E. Goumenaki, L. Grünhage, J. Hall, E. Hiltbrunner, K. Hoydal, M. Infante Olarte, S. Izquieta, Z. Jeran, L. Jones, P. Kapusta, J. Karhu, G. P. Karlsson, P. E. Karlsson, Y. Kohno, M. Krmar, G. Krüger, K. Kvietskus, E. Kubin, R. T. Las Heras, P. Lazo, N. A. Lebedeva, S. Leblond, S. Liiv, S. Madkour, S. Magnússon, F. Manes, B. Maňkovská, J. Martínez-Abaigar, A. Maxhuni, S. Manninen, A. de Marco, R. Marzuoli, M. Mastrorilli, I. Melece, L.G. Miqueo, S. Miranova, E. Núñez-Olivera, E. Paoletti, R. Pesch, J. Piispanen, H. Pleijel, J. Poikolainen, I. V. Popescu, S. Power, F. Qarri, J. Ramirez, G. Rana, D. Radnovich, D.M. Reboucas, A. Repellin, A. Ruttens, C. Saitanis, E. Salvatori, J. Santamaría, D. Saxena, M. Schaub, M. Schlabach, S. Schönrock, W. Schröder, P. L. Sicard, V. Silli, V. Simon, M. Skudnik, H.C. Sogo, G. Soja, Z. Spiric, T. Stafilov, E. Steinnes, C. Stihl, I. Suchara, J. Sucharová, G. Szarek-Łukaszewska, L. De Temmerman, D. le Thiec, L. Thöni, R. Todoran, B. Turk, H. Uggerud, K. Vandermeiren, D. Velissariou, K. N. Vergel, I. V. Vikhrova, M. Vitale, M. Volk, N. Waegeneers, S. Wagg, W. Werner, S. Wilkinson, L. Yurukova, H. G. Zechmeister, *Air pollution and vegetation: ICP Vegetation annual report 2012/2013*, ICP Vegetation Programme Coordination Centre, Centre for Ecology and Hydrology, Environment Centre Wales, Deiniol Road, Bangor, Gwynedd, LL57 2UW, UK, Editors: H. Harmens, G. Mills, F. Hayes, D. Norris, 42pp. ISBN: 978-1-906698-43-0. <http://icpvegetation.ceh.ac.uk/publications/documents/ICPVegetationannualreport2012-13Final.pdf>
 5. H. Harmens, G. Mills, F. Hayes, K. Sharps, M. Frontasyeva, J. R. Aboal, R. Alber, R. Alonso, Y. Aleksiyaynak, L. Barandovski, M. Baggard, S. Bassin, F. Batic, J. Bender, T. Berg, V. Bermejo, O. Bethenod, O. Blum, S. Boltersdorf, K. Borowiak, S. Braun, A. Briolat, P. Büker, V. Calatayud, H. Cambridge, A. Carballeira Ocaña, J. F. Castell, S. Cieslik, S. Cinderby, D. Cooper, M. Coskun, S. M. Cucu-Man, O. A. Culicov, M. Dam, H. Danielsson, B. Davies, A.M. Dunaev, K. Eler, L. Emberson, **A. Ene**, S. Fares, I.G. Fernández, J. Á. Fernández Escribano, A. Finco, M. Frolova, J. Fuhrer, I. Fumagalli, L. Fusaro, L. Galsomiès, J.-P. Garrec, G. Gerosa, B. Godzik, N. Goltsova, L. Grünhage, J. Hall, K. Hoydal, M. Infante Olarte, S. Izquieta, Z. Jeran, L. Jones, P. Kapusta, J. Karhu, G. P. Karlsson, P. E. Karlsson, Y. Koroleva, M. Krmar, G. Krüger, K. Kvietskus, E. Kubin, R. T. Las Heras, P. Lazo, N. A. Lebedeva, S. Leblond, S. Liiv, S. Magnússon, F. Manes, S. Manninen, B. Maňkovská, J. Martínez-Abaigar, A. Maxhuni, A. de Marco, R. Marzuoli, M. Mastrorilli, I. Melece, M. Meyer, S. Miranova, C. Nali, S. Nickel, D. Norris, E. Núñez-Olivera, E. Paoletti, J. Piispanen, G. Pihl Karlson, H. Pleijel, J. Poikolainen, I. V. Popescu, F. Qarri, G. Rana, D. Radnovich, A. Repellin, A. Ruttens, C. Saitanis, E. Salvatori, J. Santamaría, M. Schaub, M. Schlabach, W. Schröder, P. L. Sicard, V. Simon, M. Skudnik, H.C. Sogo, G. Soja, Z. Spiric, T. Stafilov, E. Steinnes, C. Stihl, I. Suchara, J. Sucharová, G. Szarek-Łukaszewska, L. De Temmerman, D. le Thiec, L. Thöni, R. Todoran, B. Turk, H. Uggerud, J. Urbaniak, K. Vandermeiren, D. Velissariou, K. N. Vergel, I. V. Vikhrova, M. Vitale, M. Volk, N. Waegeneers, W. Werner, L. Yurukova, H. G. Zechmeister: *AIR POLLUTION AND VEGETATION: ICP VEGETATION ANNUAL REPORT 2013/2014*. Edited by H. Harmens, G. Mills, F. Hayes, K. Sharps, M. Frontasyeva, 09/2014; ICP Vegetation Programme Coordination Centre, Centre for Ecology and Hydrology, Environment Centre, Bangor, Gwynedd, UK, Moss Survey

- Coordination Centre, Frank Laboratory of Neutron Physics, Joint Institute for Nuclear Research, Dubna, Russia, ISBN: 978-1-906698-53-9, 38 pg. <http://icpvegetation.ceh.ac.uk/publications/documents/ICPVegetationannualreport2013-14.pdf>
6. I.V.Popescu, Claudia Stîhi, **Antoaneta Ene**, Simona Cucu-Man, Radu Todoran, Marina V. Frontasyeva, Otilia Culicov, Annex 1: Country reports-Romania; *in*: Harry Harmens and Gina Mills (Eds.), Air pollution: deposition to and impacts on vegetation in (South-)East Europe, Caucasus, Central Asia (EECCA/SEE) and South-East Asia, 2014, pp.63-64, ISBN: 978-1-906698-48-5. http://icpvegetation.ceh.ac.uk/publications/documents/CEHOzoneReport2014_webhighres.pdf
 7. Harry Harmens, Gina Mills, Felicity Hayes, Katrina Sharps, Marina Frontasyeva (Eds.) and the participants of the ICP Vegetation (J.R. Aboal, J. Aherne, R. Alber, A. Alekseev, R. Alonso, Y. Aleksiyayenak, M. Anicic, A. Balint, L. Barandovski, M. Baggard, S. Bassin, F. Batic, J. Bender, T. Berg, V. Bermejo, O. Bethenod, O. Blum, S. Boltersdorf, K. Borowiak, S. Braun, A. Briolat, P. Bükér, V. Calatayud, H. Cambridge, A. Carballeira Ocaña, J.-F. Castell, O. Chaligava, A. Chursin, S. Cieslik, S. Cinderby, D. Cooper, M. Coskun, L. Cotrozzi, S. M. Cucu-Man, M. Dam, H. Danielsson, B. Davies, D. Dott, A.M. Dunaev, K. Eler, L. Emberson, **A. Ene**, S. Fares, I.G. Fernández, J. Á. Fernández Escribano, A. Finco, S. Fränzle, M. Frolova, J. Fuhrer, I. Fumagalli, L. Fusaro, L. Galsomiès, J.-P. Garrec, G. Gerosa, V. Gluschenko, B. Godzik, N. Goltsova, L. Grünhage, J. Hall, K. Hoydal, Z. Ibrahimov, M. Infante Olarte, S. Izquieta, P. Jančík, Z. Jeran, L. Jones, T. Kalabegeshvili, P. Kapusta, G. P. Karlsson, P. E. Karlsson, E. Kirkesali, Y. Koroleva, G. Kosior, M. Krmar, G. Krüger, K. Kvietkus, E. Kubin, R. T. Las Heras, P. Lazo, N. A. Lebedeva, S. Leblond, S. Liiv, S. Magnússon, E. Mammadov F. Manes, S. Manninen, B. Maňkovská, J. Martínez-Abaigar, A. de Marco, R. Marzuoli, M. Mastrorilli, A. Maxhuni, M. Mehrabova, I. Melece, M. Meyer, I. Milanovic, G. Minkova Gecheva, S. Miranova, C. Nali, S. Nickel, D. Norris, E. Núñez-Olivera, N. Omarova, E. Paoletti, I. Pavlikova, J. Piispanen, G. Pihl Karlson, H. Pleijel, J. Poikolainen, I. V. Popescu, W. Purvis, F. Qarri, G. Rana, D. Radnovich, C. Radulescu, A. Repellin, A. Ruttens, C. Saitanis, E. Salvatori, J. Santamaría, M. Schaab, M. Schaub, M. Schlabach, W. Schröder, S. Shetekauri, P. L. Sicard, M. Skudnik, H.C. Sogo, G. Soja, V. Solodukhin, Z. Spiric, T. Stafilov, E. Steinnes, C. Stîhi, I. Suchara, J. Sucharová, G. Szarek-Łukaszewska, D. le Thiec, L. Thöni, K. Tibor, R. Todoran, B. Turk, H. Uggerud, J. Urbaniak, K. Vandermeiren, D. Velissariou, K. N. Vergel, I. V. Vikhrova, M. Vitale, M. Volk, N. Waegeneers, W. Werner, H. G. Zechmeister, G. Zeiko, V. Zlobin (160 autori.), Air pollution and vegetation: ICP Vegetation annual report 2014/2015, Edited by H. Harmens, G. Mills, F. Hayes, K. Sharps, M. Frontasyeva, 09/2015; ICP Vegetation Programme Coordination Centre, Centre for Ecology and Hydrology, Environment Centre, Bangor, Gwynedd, UK, Moss Survey Coordination Centre, Frank Laboratory of Neutron Physics, Joint Institute for Nuclear Research, Dubna, Russia, ISBN: 978-1-906698-55-3, 36 pg.
 8. H. Harmens, G. Mills, F. Hayes, K. Sharps, M. Frontasyeva, J.R. Aboal, E. Agatholeous, J. Aherne, S. Allajbeu, R. Alber, A. Alekseev, R. Alonso, Y. Aleksiyayenak, M. Andrees, M. Anicic, A. Balint, L. Barandovski, M. Baggard, N. Baljinnnyam, S. Bassin, J. Bender, V. Bermejo, J. Berner, O. Bethenod, T. Bhongsuwan, O. Blum, M. Borisjuk, K. Borowiak, S. Braun, P. Bükér, K. Burkey, V. Calatayud, A. Carballeira Ocaña, J. F. Castell, O. Chaligava, A. Chursin, S. Cieslik, D. Cooper, M. Coskun, L. Cotrozzi, S. M. Cucu-Man, O. Culicov, M. Dam, H. Danielsson, F.M.Dastagir Attar, A. Dolhanczuk-Srodka, D. Dott, A.M. Dunaev, K. Eler, L. Emberson, **A. Ene**, S. Fares, Z. Feng, I.G. Fernández, J. Á. Fernández Escribano, A. Finco, S. Fränzle, M. Frolova, J. Fuhrer, I. Fumagalli, L. Fusaro, L. Galsomiès, J. P. Garrec, G. M. Gecheva, G. Gerosa, V. Gluschenko, B. Godzik, N. Goltsova, Z. Grahek, N. P. Gribaceva, L. Grünhage, J. Hall, K. Hoydal, Z. Ibrahimov, M. Infante Olarte, A. Ioannidou, S. Izquieta, P. Jančík, Z. Jeran, Y. Jolivet, L. Jones, T. Kalabegeshvili, P. Kapusta, J. Karhu, G. P. Karlsson, P. E. Karlsson, L.H. Khiem, E. Kirkesali, A. Kist, Y. Kohno, Y. Koroleva, G. Kosior, M. Krmar, G. Krüger, K. Kvietkus, E. Kubin, E. Lackova, R. T. Las Heras, P. Lazo, N. A. Lebedeva, S. Leblond, S. Lennik, E. Lequy, S. Liiv, B. Lopata, P. Luca, T. Lupascu, S. Madkour, S. Magnússon, E. Mammadov, F. Manes, S. Manninen, B. Maňkovská, J. Martínez-Abaigar, A. de Marco, R. Marzuoli, M. Mastrorilli, M. Mehrabova, I. Melece, I. Milanovic, F. Monaci, C. Nali, N. Ndolvu, R. Newman, S. Nickel, D. Norris, E. Núñez-Olivera, N. Omarova, E. Paoletti, J. Park, P. Pech, J. Piispanen, H. Pleijel, I. V. Popescu, W. Purvis, F. Qarri, D. Radnovich, C. Radulescu, J. Ramirez, M.D.Ramos Aruca, G. Rana, A. Repellin, S.Saeed Ahmad, C. Saitanis, E. Salvatori, J. Santamaría, D. Saxena, M. Schaub, M. Schlabach, W. Schröder, S. Shetekauri, P. L. Sicard, I. Silachyov, M. Skudnik, H. Calvete Sogo, G. Soja, V. Solodukhin, Z. Spiric, T. Stafilov, E. Steinnes, C. Stîhi, I. Suchara, J. Sucharová, G. Szarek-Łukaszewska, G. Tabors, D. le Thiec, L. Thöni, K. Tibor, R. Todoran, M. Trinh, T. Trtic-Petrovic, B. Turk, H. Uggerud, J. Urbaniak, D. Velissariou, K. N. Vergel, I. V. Vikhrova, M. Vitale, M. Volk, M. Waclawek, H. G. Zechmeister, Z. Ziembik, I. Zinicovscaia, V. Zlobin: *Air pollution and vegetation: ICP Vegetation annual report 2015/2016*. Edited by H. Harmens, G. Mills, F. Hayes, K. Sharps, M. Frontasyeva, 09/2016; ICP Vegetation Programme Coordination Centre, Centre for Ecology and Hydrology, Environment Centre, Bangor, Gwynedd, UK & Moss Survey Coordination Centre, Frank Laboratory of Neutron Physics, Joint Institute for Nuclear Research, Dubna, Moscow, Russia, ISBN: 978-1-906698-58-4. https://icpvegetation.ceh.ac.uk/publications/documents/ICPVegetationannualreport2015-16_000.pdf

IV. Volume editate:

1. Mirela Praisler, Antoaneta Ene, Nicolae Tigau, Book of Abstracts - National Conference on Applied Physics, Galati, June 3-4, 2005, Editura Fundatiei Universitare Dunarea de Jos din Galati, ISBN 973-627-228-1, 38 pag. http://books.google.ro/books/about/National_Conference_on_Applied_Physics.html?id=7kt0twAACAAJ&redir_esc=y
2. Mirela Praisler, Antoaneta Ene, Nicolae Tigau, Mirela Voiculescu, Book of Abstracts - 2nd National Conference on Applied Physics, June 9-10th, 2006, Galati, Romania, Editura Fundatiei Universitare Dunarea de Jos din Galati, ISBN (10) 973-627-311-3 si ISBN (13) 973-627-311-7, 72 pag. <http://www.editura.ugal.ro/Anul2006/Anul2006p11.htm>

3. Antoaneta Ene, Nicolae Tigau, Emilian Danila, Gabriel Murariu, Book of Abstracts - Third National Conference on Applied Physics, June 15-16, 2007, Galati, Editura Fundatiei Universitare Dunarea de Jos din Galati, ISBN 978-973-627-376-6, 80 pag., <http://www.editura.ugal.ro/Anul2007/Anul2007p4.htm>
4. Antoaneta Ene, Romana Draşovean, Nicolae Țigău, Emilian Dănilă, Constantin Gheorghieş, Gabriel Murariu, Alexandrina Nat, Steluța Gosav, Proceedings Supplement of the Third National Conference on Applied Physics, Annals of the „Dunarea de Jos” University of Galati, Fascicle II, Mathematics, Physics, Chemistry, Informatics, Year XXV (XXX) 2007, Editura Fundatiei Universitare Dunarea de Jos din Galati, ISBN 978-973-627-378-0, 300 pag. <http://www.editura.ugal.ro/Anul2007/Anul2007p5.htm> (WorldCat - OCLC Number: 255024890).
5. Antoaneta Ene, Nicolae Tigau, Book of Abstracts - Fourth National Conference on Applied Physics – Galati, September 25-26, 2008, Galati University Press, ISBN 978-973-88847-5-2, 88 pag. http://www.bibnat.ro/dyn-doc/publicatii/BN_CAH/CAH%204.pdf
6. Antoaneta Ene, Lorena Deleanu, Carmen Gasparotti, Eugen Rusu, Book of Abstracts - International Conference Danube Black Sea 3E – Energy, Environment & Efficiency, Galati, September 18-21, 2013, Galati University Press, ISBN 978-973-88847-5-2, 102 pag.
7. L. Moraru, A. Ene, M. Timofte, Proceedings of the Scientific Conference of Doctoral Schools from “Dunărea de Jos” University of Galati (CCSD-UDJG 2013) Section 4 - Advanced investigation methods in environment and biohealth, Galati, May 16-17, 2013.
8. Antoaneta Ene, Eugen Rusu, Silviu Măcuță, Carmen Gasparotti, Proceedings of the International Conference Danube Black Sea 3E – Energy, Environment & Efficiency, Galati, 18-21 Septembrie 2013, Analele Universitatii Dunarea de Jos Galati, Matematica, Fizica, Mecanica Teoretica, FASC. II, AN V(XXXVI)2013, vol.2, 346 pag.
9. Antoaneta Ene, Elena Zubcov, Oleg Bogdevich, Yuriy Denga (Eds.): Abstract Book, International Conference “Environmental Challenges in Lower Danube Euroregion”, Galati, June 25-26, 2015.; Ed. Casa Cartii de Stiinta, Cluj-Napoca, Romania., 2015: 978-606-17-0745-4.
10. Antoaneta Ene, Yuriy Denga, Oleg Bogdevich, Elena Zubcov (Eds.): Atlas of Maps, Ed. Tehnopress, Iasi, 2015.
11. Antoaneta Ene (Ed.), Instrumental Techniques for Environmental Investigations: Methodological Guide/Tehnici Instrumentale pentru Investiția de Mediu: Ghid Metodologic, Ed. Tehnopress, Iasi, 2015.

C. ARTICOLE ȘTIINȚIFICE

1. Articole publicate in reviste indexate ISI-Thomson (Web of Science)

1. Badica, T., Besliu, C., Ene, A., Olariu, A., Popescu, I., 1996, Coincidence method for the determination of minor elements in steel by proton- induced prompt gamma-ray spectrometry (PIGE), Nuclear Instruments and Methods in Physics Research B111, 321 – 324, ISSN 0168-583X.
2. Popescu, I., Badica, T., Olariu, A., Besliu, C., Ene, A., Ivanescu, Al., 1996, Multielemental analysis of metallurgical samples by thermal neutron activation, Journal of Radioanalytical and Nuclear Chemistry, Letters 213(5), 369–376, ISSN 0236-5731.
3. Ene, A., Badica, T., Olariu, A., Popescu, I.V., Besliu, C., 2001, Coincidence method for the analysis of minor elements in steel by deuterium-induced prompt g-ray spectrometry (d-PIGE), Nuclear Instruments and Methods in Physics Research, B179, 126 – 132, ISSN 0168-583X .
4. Lupu, R., Nat, A., Ene, A., 2004, Determination of gold in Romanian auriferous alluvial sands and rocks by 14 MeV neutron activation analysis, Nuclear Instruments and Methods in Physics Research, B217, 123 – 135, ISSN 0168-583X;.
5. Ene, A., 2004, Improvement of sensitivity in PIGE analysis of steels by neutron-gamma coincidences measurement, Nuclear Instruments and Methods in Physics Research B222, 228 – 234, ISSN 0168-583X
6. Nat, A., Ene, A., Lupu, R., 2004, Rapid determination of gold in Romanian auriferous alluvial sands, concentrates and rocks by 14 MeV NAA, Journal of Radioanalytical and Nuclear Chemistry 261(1), 179 – 188, ISSN 0236-5731.
7. Ene, A., Popescu, I.V., Badica, T., 2006, Determination of carbon in steels using particle-induced prompt gamma ray spectrometry, Journal of Optoelectronics and Advanced Materials 8(1), 222-224, ISSN 1454-4164.
8. Popescu, I.V., Ene, A., Stih, C., Bancuta, A., Dima, G., Badica, T., Ghisa, V., 2007, Analytical applications of particle-induced X-ray emission (PIXE), BPU-6, AIP Conference Proceedings 899, p. 538, ISBN 978-0-7354-0404-5, Journal ISSN:0094243X
9. Ene, A., Popescu, I.V., Badica, T., 2007, Multi-elemental analysis of steel by combined nuclear techniques, BPU-6, AIP Conference Proceedings 899, p. 539, ISBN 978-0-7354-0404-5, Journal ISSN:0094243X
10. Ghișă V., Popescu I. V., Belc M., Ene A., 2008, Study of some Roman brooches discovered at Tomis - Constanta by X-Ray Fluorescence technique, Rom. Journ. Phys. 53 (3-4), 557-562, ISSN 1221-146x.
11. G.Murariu, Antoaneta Ene, 2008, Discussions on a Non-Linear Fields' Equations System, Rom. Journ. Phys. 53 (5-6), 651-658, ISSN 1221-146x.
12. Ene A., Popescu I. V., Ghisa V., 2009, Study of transfer efficiencies of minor elements during steelmaking by neutron activation technique, Romanian Reports in Physics 61(1), 165-171, ISSN 1221-1451.
13. 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.
14. 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

15. Ene, A., Popescu, I.V., Stihî C., Gheboianu A., Pantelica A., Petre C., 2010, PIXE analysis of multielemental samples, *Rom. Journ. Phys.* ISSN 1221-146x, 55 (7-8), 806-814. Antoaneta Ene, Ion V. Popescu, Claudia Stihî, Anca Gheboianu, Ana Pantelica, Carmelia Petre
16. Ene, A., Bosneaga A., Georgescu L., 2010, Determination of heavy metals in soils using XRF technique, *Rom. Journ. Phys.* ISSN 1221-146x, 55 (7-8), 815-820.
17. Stihî C., Radulescu C., Busuioc G., Popescu I. V., Gheboianu A., Ene A., 2011, Studies on accumulation of heavy metals from substrate to edible wild mushrooms, *Rom. Journ. Phys.* 56(1-2), 257–264.
18. Ene, A., Pantelica A., Freitas M.C., Bosneaga A., 2011, EDXRF and INAA analysis of soils in the vicinity of a metallurgical plant, *Rom. Journal Phys.* 56 (7-8), 993-1000.
19. Ene, A., Pantelica A., 2011, Characterization of metallurgical slags using low-level gamma-ray spectrometry and neutron activation analysis, *Rom. Journal Phys.* 56 (7-8), 1011-1018.
20. Pantelica A., Ene A., Gugiu M., Ciortea C., Constantinescu O., 2011, PIXE analysis of some vegetal species, *Rom. Rep. Phys.* 63(4), 997-1008.
21. Ene, A., Bosneaga A., Georgescu L., 2011, Evaluation of soils pollution with heavy metals using XRF technique, *Journal of Environmental Protection and Ecology* 12(3A), 1247-1254; *erata: Journal of Environmental Protection and Ecology* 12(4A) (2011), 2393.
22. 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.
23. 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.
24. 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.
25. 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](https://doi.org/10.1016/j.scitotenv.2012.09.004)
26. 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.
27. 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.
28. Thomas Spanos, Antoaneta Ene, Irina B. Karadjova, Assessment of Toxic Elements Cu, Cr, Ni, Pb, Cd, Hg, Zn, As and Hexavalent Chromium in Sewage Sludge from Municipal Wastewater Treatment Plants by Combined Spectroscopic Techniques, *Rom. Journ. Phys.* 60 (1-2) (2015), 237-245, ISSN 1221-146x.
29. 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. Maňkovská, G. Phil-Karlsson, J. Piispanen, J. Poikolainen, J.M. Santamaria, M. Skudnik, Z. Spiric, T. Stafilov, E. Steinnes, C. Stihî, 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.
30. Spanos, Thomas, Antoaneta Ene, Christina Xatzixristou, Agelos Papaioannou, 2015, Assessment of Groundwater Quality and Hydrogeological Profile of Kavala Area, Northern Greece, *Romanian Journal of Physics* 60 (7-8), 1139-1150.
31. Spanos, T., Ene, A., Simeonova, P., 2015, Chemometric expertise of the quality of groundwater sources for domestic use, *Journal of Environmental Science and Health Part A*, 50(11), 1099 – 1107, DOI:10.1080/10934529.2015.1047646.
32. Pintilie, V., Ene, A., Georgescu, L.P., Moraru, L., Iticescu, C., 2016, Measurements of gross alpha and beta activity in drinking water from Galati region, Romania, *Romanian Reports in Physics* 68 (3), 1208–1220.
33. Moraru, L., Obreja, C.D., Moldovanu, S., Ene, A., Biswas, A., 2016, Blood pressure and flow values in small vessels angioarchitectures: application for diabetic retinopathy, *Romanian Journal of Physics* 61 (7-8), 1287-1298.
34. Spanos, T., Ene, A., Patronidou, C.S., Xatzixristou, C., 2016, Temporal variability of selected heavy metal content in sewage sludges from three municipal wastewater treatment plants in Northern Greece, *Ecological Chemistry and Engineering. S = Chemia i Inzynieria Ekologiczna. S*, 23(2), 271-283, DOI:10.1515/eces-2016-0019.
35. 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.
36. Stihî C., Popescu I.V., Frontasyeva M., Radulescu C., Ene A., Culicov O., Zinicovscaia I., Dulama I.D., Cucu-Man S., Todoran R., Gheboianu A.I., Bucurica A., Bancuta I., Dima G., 2017, Heavy Metal Air Pollution Study in Romania Using Moss Biomonitoring, Neutron Activation Analysis and Atomic Absorption Spectrometry, *Analytical Letters*, 50(17), 2851–2858, DOI: 10.1080/00032719.2016.1275661.

37. Violeta Pintilie, Antoaneta Ene, Lucian P. Georgescu, Dana Iulia Moraru, Adelina Pintilie, Determination of gross alpha, gross beta, and natural radionuclides (^{210}Po , ^{210}Pb , ^{238}U , ^{232}Th and ^{40}K) activity concentrations in bread and their contribution to the effective dose, ROMANIAN JOURNAL OF PHYSICS, acceptatã pentru publicare pe 20.10.2017.

2. Articole publicate in reviste indexate in baze de date internaționale

1. Ene, A., Besliu, C., Olariu, A., Popescu, I.V., Badica, T., Jianu, E.D., Stefanescu, L., Ivanescu Al., 1999, Neutron activation analysis of iron and steel materials involved in the steelmaking process, Romanian Journal of Physics, Supplement, 44(1-2), 165-172, ISSN 1221-146x.
2. Ene, A., Besliu, C., Badica, T., Popescu, I.V., Olariu, A., 2000, Analysis of minor elements in steel by neutron-gamma coincidences method in proton-induced prompt gamma-ray emission, Romanian Reports in Physics 52(5-7), 557-562, ISSN 1221-1451.
3. Ene, A., Besliu, C., Olariu, A., Popescu, I.V., Badica, T., 2000, Analysis of minor and trace constituents of deoxidized steels by thermal neutron activation, Romanian Reports in Physics 52(8-9), 671-674, ISSN 1221-1451.
4. Ene, A., Besliu, C., Olariu, A., Badica, T., Popescu, I.V., Ivanescu, Al., Jianu, D., 2000, Investigation of raw materials and related final products involved in the ironmaking process by thermal neutron activation, Romanian Journal of Physics 45(9-10), 679-684, ISSN 1221-146x.
5. Ene, A., Popescu, I.V., Badica, T., Olariu, A., 2003, Coincidence method for the analysis of minor elements in steel by proton- and deuteron-induced prompt gamma-ray emission, Romanian Journal of Physics 48(1-4), 445-454, ISSN 1221-146x.
6. Popescu, I.V., Badica, T., Ene, A., Olariu, A., Besliu, C., 2004, High sensitivity analysis method of trace elements in steel by charged particles induced prompt γ -ray spectrometry (PIGE), Romanian Journal of Physics 49(3-4), 385-392, ISSN 1221-146x.
7. Ene, A., Nat, A., Lupu, R., I.V. Popescu, 2004, Determination of gold in auriferous alluvial sands and rocks by 14 MeV neutron activation analysis, Romanian Journal of Physics 49(5-6), 523-529, ISSN 1221-146x.
8. Ene, A., Popescu, I.V., Badica, T., 2005, Determination of manganese in steels using proton-induced nuclear reactions, Romanian Journal of Physics, 50 (7-8), 679-684, ISSN 1221-146x.
9. Ene, A., Popescu, I.V., Badica, T., 2005, Multielemental analysis of steels via atomic and nuclear methods, Romanian Journal of Physics, 50 (9-10), 963-969, ISSN 1221-146x.
10. Ivanescu, L., Ivanescu, Al., Ene, A., 2006, Fuel economy at the heat treatment furnaces of steel cast pieces, Analele Universitatii Dunarea de Jos din Galati, Fascicula IX, Metalurgie si Stiinta materialelor, anul XXIV(XXIX), nr. 1,74-80, ISSN 1453-083x.
11. Ene, A., Popescu, I.V., Badica, T., 2006, Determination of light elements in steel using particle-induced prompt gamma ray emission, Romanian Journal of Physics, 51 (5-6), 589-594, ISSN 1221-146x.
12. Ene, A., Popescu, I.V., Badica, T., Besliu, C., 2006, Comparative study of PIGE, PIXE and NAA analytical techniques for the determination of minor elements in steels, Romanian Journal of Physics, 51 (5-6), 595-602, ISSN 1221-146x.
13. Claudia Stihî, Ion V. Popescu, Anca Gheboianu, Marina Frontasyeva, Antoaneta Ene, Gabriel Dima, Oana Bute, Valerica Cimpoca, Valentin Stihî, Calin Oros, Sergiu Dinu, Marilena Voicu, Mineral content of native vegetables obtained by energy dispersive X- ray fluorescence spectrometry, Journal of Science and Arts, year 8 No. 2(9) – 2008, ISSN 1844 – 9581, p. 331-334.
14. Antoaneta Ene, Ion V. Popescu, Mariana Bahrim, Claudia Stihî, Anca Gheboianu, Neutron activation method applied in the study of transfer efficiencies of minor elements during steelmaking, Journal of Science and Arts, Anul 8 Nr. 1(8), 2008, p. 179-182, ISSN 1844-9581.
15. Antoaneta Ene, Ion V. Popescu, Claudia Stihî, Applications of proton-induced X-ray emission technique in materials and environmental science, Ovidius University Annals of Chemistry, Volume 20, Number 1, pp. 35-39, 2009.
16. Antoaneta Ene, Ana Pantelica, Neutron activation analysis of deoxidized steels, Ovidius University Annals of Chemistry, Volume 20, Number 1, pp. 31-35, 2009.
17. Elena Zubcov, Laurentia Ungureanu, Antoaneta Ene, Natalia Zubcov, Nina Bagrin, Natalia Borodin, Liubovi Lebedenco, Lucia Biletschi, Assessment of chemical compositions of water and ecological situation in Dniester river, Journal of Sciences and Arts, Year 10, No. 1 (12), pp. 47-52, 2010.
18. Antoaneta Ene, Ion V. Popescu, Claudia Stihî, Anca Gheboianu, Cristiana Radulescu, Nicolae Tigau, Steluta Gosav, Assessment of river water quality in Central and Eastern parts of Romania using atomic and optical methods, Journal of Sciences and Arts, Year 10, No. 1 (12), pp. 113-118, 2010.
19. Antoaneta Ene, Alina Bosneaga, Inter-element relationships for soils around a ferrous metallurgical plant, Journal of Sciences and Arts, Year 10, No. 2 (13), pp. 293-298, 2010
20. Elena Zubcov, Natalia Zubcov, Antoaneta Ene, Nina Bagrin, Lucia Biletschi, The dynamics of trace elements in Dniester river ecosystems, Journal of Sciences and Arts, Year 10, No. 2 (13), pp. 281-286, 2010.
21. Antoaneta Ene, Nicolae Tigau, Mirela Praisler, Luminita Moraru, Principal component analysis of physico-chemical parameters of river water, Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year II(XXXIII) 2010, ISSN 2067 - 2071, p.130-135.
22. Giancarlo Rennela, Loretta Landi, Alina Bosneaga, Paola Arfaioli, Antoaneta Ene, Lucian P. Georgescu, Quantitative measurements of the heavy metal content using sequential chemical extraction on Cu polluted soils, Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year II(XXXIII) 2010, ISSN 2067 - 2071, p.160-165.

23. Giancarlo Rennela, Loretta Landi, Alina Bosneaga, Paola Arfaioli, Antoaneta Ene, Lucian P. Georgescu, Determining the affinity of the elements in soils using a step by step protocol of sequential chemical extraction, *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year II(XXXIII) 2010, ISSN 2067 - 2071, p.166-171.*
24. Giancarlo Rennela, Loretta Landi, Alina Bosneaga, Paola Arfaioli, Antoaneta Ene, Lucian P. Georgescu, Determination of the level of soil pollution from soil solution using AAS technique, *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year II(XXXIII) 2010, ISSN 2067 - 2071, p.172-175.*
25. Giancarlo Rennela, Loretta Landi, Alina Bosneaga, Paola Arfaioli, Antoaneta Ene, Lucian P. Georgescu, Determination of the toxicity of soil solution using the BIOTOX® method, *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year II(XXXIII) 2010, ISSN 2067 - 2071, p.176-179.*
26. L. Moraru, A. Ene, M. Praisler, Image analysis procedure for identifying ciliated protozoa and parasites in water samples, *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year II(XXXIII) 2010, ISSN 2067 - 2071, p.83-86.*
27. Antoaneta Ene, Oleg Bogdevich, Alina Bosneaga, Determination of pesticides and polycyclic aromatic hydrocarbons in soils from Eastern part of Romania using GC and GC/MS techniques, *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year II(XXXIII) 2010, ISSN 2067 - 2071, p.124-129.*
28. Antoaneta Ene, Alina Sion (Bosneaga), Comparative study of high precision spectrometric techniques used for the assesment of trace elements in soils, *The Annals of Dunarea de Jos University of Galati, Fascicle IX, Metallurgy and Materials Science, Year XXIX (XXXIV), Special Issue-2011, ISSN 1453-083X, p. 7-10.*
29. Antoaneta Ene, Oleg Bogdevich, Alina Sion (Bosneaga), GC-MS analysis of selected PAHs in soils from Galati region, eastern part of Romania, *The Annals of Dunarea de Jos University of Galati, Fascicle IX, Metallurgy and Materials Science, Year XXIX (XXXIV), Special Issue-2011, ISSN 1453-083X, p. 166-168.*
30. Sion (Bosneaga) A., Caldararu A. C., Georgescu L. P., Ene A., A Complete Monitoring Analysis on Water and Soil From Prut River, Galati County, *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, FASCICLE II, YEAR III (XXXIV) 2011, No. 1, p. 5-10.*
31. Sion (Bosneaga) A., Ene A., Georgescu L. P., Index of Geoaccumulation in Soils Collected from Urban and Industrial Sites, *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, FASCICLE II, YEAR III (XXXIV) 2011, No. 1, p.11-14.*
32. Ene A., (Bosneaga) Sion A., Georgescu L., Bogdevich O., Monitoring Techniques for Inorganic and Organic Pollutants in Soils Around an Integrated Iron and Steel Plant, *The Annals of Dunarea de Jos University of Galati, Metallurgy and Materials Science, Year XXIX (XXXIV), 4 (2011),p. 21-24 ISSN 1453-083X.*
33. Sion (Bosneaga) A., Ene A., Georgescu L., Heavy Metals in Soils Near an Industrial Plant in Galati, Romania: Implications for the Population Health Risk, *Journal of Sciences and Arts, 2011, Year 11, 3(16), p. 299-302.*
34. Antoaneta Ene, Thomas Spanos, Study of distribution and sources of polycyclic aromatic hydrocarbons (PAHs) in topsoils from SE Romania using multivariate statistical analysis, *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, FASCICLE II, YEAR IV (XXXV) 2012, Nos. 1-2, p.15-21.*
35. Alina Sion, Antoaneta Ene, Soil pollution evaluation for some pollutants in the Lower Prut meadow, Galati, *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, FASCICLE II, YEAR V (XXXVI) 2013, 24-27.*
36. Alina Sion, Antoaneta Ene, Soil morphology and qualitative study using SEM-EDX technique, *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, FASCICLE II, YEAR V (XXXVI) 2013, 28-31.*
37. Antoaneta Ene, Luminița Moraru, Emilian Dănilă, Liliana Cioară, Study of characteristic X-ray spectra induced in complex matrices by radioisotope and electron excitation, *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, FASCICLE II, YEAR V (XXXVI) 2013, 40-43.*
38. Emilian Dănilă, Antoaneta Ene, Luminița Moraru, Adriana Danila, Liliana Cioară, Study of powder materials of Li-N system interpreted in terms of multifractal geometry, *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, FASCICLE II, YEAR V (XXXVI) 2013, 44-48.*
39. Mirela Punga (Visan), Luminița Moraru, Antoaneta Ene, Emilian Dănilă, Performance of boundary detection algorithms on medical images, *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, FASCICLE II, YEAR V (XXXVI) 2013, 12-15.*
40. Emilian Dănilă, Mirela Punga (Visan), Antoaneta Ene, Luminița Moraru, Adriana Dănilă, Automatisation of the diagnosis of portal and vascular problems of the liver, *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, FASCICLE II, YEAR V (XXXVI) 2013, 49-52*
41. Emilian Dănilă, Antoaneta Ene, Luminița Moraru, Adriana Dănilă, Mirela Punga (Visan), Land use change studied by means of multifractal geometry, *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, FASCICLE II, YEAR V (XXXVI) 2013, 53-60.*

42. Claudia Ungureanu, George Ifrim, Antoaneta Ene, Gabriela Bahrim, Mihaela Turturica, Chemical and microbiological analysis of water quality from Lower Danube region, Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, FASCICLE II, YEAR VI (XXXVII) 2014, No.2, 209-215
43. S. Condurache-Bota, G. Condurache-Bota, M. Voiculescu, A. Ene, A.T. Antohe, Recent developments in air quality in Europe, Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year VII (XXXVIII), 2015, p.159-164.
44. S. Condurache-Bota, A. Ene, G. Condurache-Bota, G. Pavelaşcu , Nuclear energy and radioactive pollution, Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year VII (XXXVIII), 2015, p.165-176.
45. Săndița Plăcintă, Mirela Crețu, Victor Cristea, Antoaneta Ene, Elena Bocioc, Marian Tiberiu Coadă, Seasonal characterization of physico-chemical parameters of Danube river water, Isaccea-Vilkovo sector, Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year VII (XXXVIII), 2015, p.183-187.
46. Drașovean, R., Ene, A. , Gosav, S., Păduraru, N., Monitoring some greenhouse gases in Romania, Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year VII (XXXVIII), 2015, p.195-200.
47. Steluța Gosav, Nicoleta Păduraru, Antoaneta Ene, Romana Drașovean, Toxicological study on some chemical compounds using the molecular modeling, Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year VII (XXXVIII), 2015, p.201-206.
48. Bulat, Dm.; Bulat, Dn; Toderas, I. Usatii, M.; Zubcov, E.; Ungureanu, L.; Ene, A.; Davideanu, G.; Șaptefrați, N., Importanța zonelor umede pentru menținerea ihtiofaunei Nistrului și Prutului inferior, Buletinul Academiei de Științe a Moldovei. Științele vieții 1(325), 2015, p.120-126.
49. Antoaneta Ene, Marina V. Frontasyeva, A. Cantaragiu, V. Pintilie, E. Pascu, D. Soimu, E. Chiriac, V. Coguteac, A. Buliga, M. Tobol, Nuclear and X-ray methods used in environmental and material science, Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year VIII (XXXIX), No.1, 2016, p.86-91.
50. V. Pintilie, A. Ene, L.P. Georgescu, L. Moraru, Monitoring of gross alpha and beta activity in drinking water from Galati during 2013-2014, Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year VIII (XXXIX), No.1, 2016, p.20-25.
51. Victor Ciornea, Anastasia Ivanova, Elena Zubcov, Antoaneta Ene, Determination of some of organochlorine pesticides in the waters of the Prut River, Annals of the Univ. Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year VIII (XXXIX), No.1, 2016, p.81-85.
52. Liubovi Lebedenco, Olga Jurminskaia, Elena Zubcov, Antoaneta Ene, Dynamics of zooplankton in ecosystems of the Lower Danube, Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year VIII (XXXIX), No.1, 2016, p.92-100.
53. Thomas Spanos, Antoaneta Ene, Environmental assessment of toxic metals occurrence in urban sewage sludge for its potential land application, Annals Dunarea de Jos Univ. Galati, Fasc. II. Mathematics, Physics, Theoretical Mechanics, year VIII (XXXIX), No. 2, 2016, p. 158-166.
54. Steluța Gosav, Antoaneta Ene, Rodica Dragomir, Spectroscopic investigation of sedimentary rocks with fossil plants using *ATR-FTIR* technique, Annals Dunarea de Jos Univ. Galati, Fasc. II. Mathematics, Physics, Theoretical Mechanics, year VIII (XXXIX), No. 2, 2016, p. 242-247.
55. V. Pintilie, Lucian-Puiu Georgescu, Luminita Moraru, Antoaneta Ene, Catalina Iticescu, NATURAL RADIOACTIVITY IN DRINKING WATER FROM GALATI AND VRANCEA AREAS, ROMANIA. Radiation and Applications, 2016, 1(3), 165-170, ISSN 2466-4294 (online), DOI:10.21175/RadJ.2016.03.031.
56. Cristina Despina, Liliana Teodorof, Adrian Burada, Daniela Seceleanu-Odor, Mihaela Tiganus, Iuliana-Mihaela Tudor, Orhan Ibram, Cosmin Spiridon, Aurel Nastase, George Tiganov, Antoaneta Ene, Danube Delta Biosphere Reserve - ten years of toxic substances monitoring, Annals Dunarea de Jos Univ. Galati, Fasc. II. Mathematics, Physics, Theoretical Mechanics, year IX (XL), No. 1, 2017, p. 55-60.

3.Articole publicate in reviste recunoscute CNCSIS

1. Besliu, C., Olariu, A., Badica, T., Popescu, I., Ene, A., Strugari, C., 1994, Experimental researches concerning the determination of elements content in raw materials using in steel manufacturing in SIDEX S.A. Iron and Steel Works of Galati by thermal neutron activation, Metalurgia 46(9), 79 – 82, ISSN 0461-9579.
2. Ivanescu, Al., Ene, A., Besliu, C., Olariu, A., Popescu, I., Badica, T., Iancu N., 1997, Study of elements heredity during ironmaking, Metalurgia 49(5), 63-69, ISSN 0461-9579.
3. Ivanescu, Al., Ene, A., 1999, Study of elements heredity during steelmaking in LD converter, Metalurgia 51(4), 44-55, ISSN 0461-9579.
4. Ene, A., 2000, Analysis of minor elements in steels by measuring the prompt g-rays from (d,n) reactions, The Annals of the University Dunarea de Jos of Galati, Fascicle II- Mathematics, Physics, Theoretical mechanics, year XVIII (XXIII), 79-86, ISSN 1221-4531.

5. Nat, A., Ene, A., 2000, Study of nuclear interferences in fast neutron activation analysis of gold from auriferous alluvial sands, The Annals of the University Dunarea de Jos of Galati, Fascicle II, year XVIII (XXIII), 87-92, ISSN 1221-4531.
6. Ene, A., 2001, Analysis of minor elements in steels by measuring the prompt g-rays from (p,n) reactions, The Annals of the University Dunarea de Jos of Galati, Fascicle II, year XIX (XXIV), 37-42, ISSN 1221-4531.
7. Lupu, R., Nat, A., Ene, A., Nat, N., 2001, Study of reaction interferences in analysis of gold in Romanian alluvial sands by 14 MeV neutron activation, The Annals of the University Dunarea de Jos of Galati, Fascicle II, year XIX (XXIV), 31-36, ISSN 1221-4531.
8. Nat, A., Ene, A., Lupu, R., 2002, Study of the spectral interferences in fast neutron activation analysis of gold in Romanian auriferous alluvial sands, rocks and concentrates, The Annals of the University Dunarea de Jos of Galati, Fascicle II, year XX (XXV), 111-118, ISSN 1221-4531.
9. Ene, A., 2003, Analysis of minor and trace constituents of deoxidized steels by thermal neutron activation, The Annals of the University Dunarea de Jos of Galati, Fascicle II, year XXI (XXVI), 97-100, ISSN 1221-4531.
10. Nat, A., Ene, A., 2003, Study of the optimal conditions of gold determination in auriferous samples by 14 MeV NAA, The Annals of the University Dunarea de Jos of Galati, Fascicle II, year XXI (XXVI), 101-104, ISSN 1221-4531.
11. Ene, A., 2004, Enhancement of PIGE sensitivity for minor elements analysis in steels, The Annals of the University Dunarea de Jos of Galati, Fascicle II, year XXII (XXVII), 81-86, ISSN 1221-4531.
12. Nat, A., Ene, A., 2004, Determination of the optimal experimental times in 14 MeV NAA of auriferous samples for gold, The Annals of the University Dunarea de Jos of Galati, Fascicle II, year XXII (XXVII), 87-92, ISSN 1221-4531.
13. Ene, A., 2005, Quantitative analysis of manganese in steels by measuring the prompt gamma-rays from nuclear reactions, The Annals of the University Dunarea de Jos of Galati, Fascicle II, year XXIII (XXVIII), 229-234, ISSN 1221-4531.
14. Ene, A., 2005, Proton-induced X-ray emission analysis of steel samples, The Annals of the University Dunarea de Jos of Galati, Fascicle II, year XXIII (XXVIII), 235-238, ISSN 1221-4531.
15. Nat, A., Ene, A., 2005, On the application of instrumental fast neutron activation analysis (FNAA) for the determination of gold in auriferous sands, The Annals of the University Dunarea de Jos of Galati, Fascicle II, year XXIII (XXVIII), 239-244, ISSN 1221-4531.
16. Nat, A., Ene, A., 2005, Study of nuclear interferences in 14 MeV neutron activation analysis for alkali determination in raw materials used in ironmaking, in press in The Annals of the University Dunarea de Jos of Galati, Fascicle II, year XXIII (XXVIII), 245-250, ISSN 1221-4531.
17. Ene, A., 2006, PIGE-DIGE determination of carbon in steel samples, Analele Universitatii Dunarea de Jos din Galati, Fascicula II, Matematica, fizica, mecanica teoretica, anul XXIV (XXIX), 45-48, ISSN 1221-4531.
18. Ene, A., Popescu, I.V., Badica, T., 2006, Capabilities of PIXE technique for the determination of minor constituents of steel, The Annals of the University Dunarea de Jos of Galati, Fascicle II, year XXIV (XXIX), 41-44, ISSN 1221-4531.
19. Nat, A., Ene, A., 2006, A procedure for optimal determination of gold in alluvial sands by 14 MeV neutron activation analysis, The Annals of the University Dunarea de Jos of Galati, Fascicle II, year XXIV (XXIX), 49-54, ISSN 1221-4531.
20. Nat, A., Ene, A., 2006, 14 MeV neutron activation analysis of alkali in ores used in iron and steel industry, Analele Universitatii Dunarea de Jos din Galati, The Annals of the University Dunarea de Jos of Galati, Fascicle II, year XXIV (XXIX), 55-62, ISSN 1221-4531.
21. Ene, A., Ivanescu L., Ivanescu Al., 2006, On the utilization of blast furnace gas in a proportion of 100% for the cowpers heating, The Annals of the University Dunarea de Jos of Galati, Fascicle II, year XXIV (XXIX), 51-58, ISSN 1221-4531.
22. Ivanescu Al., Ene, A., Ivanescu L., 2006, Improvement of the electric furnaces energetic efficiency by using exothermal mixtures, The Annals of the University Dunarea de Jos of Galati, Fascicle II, year XXIV (XXIX), 59-62, ISSN 1221-4531.
23. Nistor Cristea, L., Ene, A., Drasovean, R., 2006, On the possibility of using the slags from iron and steel industry in road construction from the point of view of their physical-mechanical properties, The Annals of the University Dunarea de Jos of Galati, Fascicle II, Supplement A, year XXIV (XXIX), 92-97, ISSN 1221-4531.
24. Antoaneta Ene, I.V. Popescu, T. Badica, Claudia Stihi, Anca Gheboianu, M. Gugiu, V. Ghisa, I. Bancuta, G. Dima, 2007, Analytical applications of PIXE technique, Proceedings Supplement of the National Conference on Applied Physics, 3rd Edition, Galati, 15-16 June 2007, The Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Chemistry, Informatics, Supplement, year XXV (XXX), 7-10, ISSN 1842-6506.
25. C. Stihi, I. V. Popescu, V. Cimpoaca, S. Apostol, G. Dima, C. Oros, S. Dinu, Gh. Vlaicu, A. Ene, 2007, Total dissolved solids measurements of water quality, Proceedings Supplement of the National Conference on Applied Physics, 3rd Edition, Galati, 15-16 June 2007, The Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Chemistry, Informatics, Supplement, year XXV (XXX), 237-240, ISSN 1842-6506.
26. V.Ghişa, I.V.Popescu, M. Belc, A. Ene, 2007, AAS study on different types of tool traces in some ancient symbols, discovered at Sinca Veche temple, Romania, Proceedings Supplement of the National Conference on Applied Physics, 3rd Edition, Galati, 15-16 June 2007, The Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Chemistry, Informatics, Supplement, year XXV (XXX), 240-243, ISSN 1842-6506.

27. A. Ene, I.V. Popescu, T. Badica, 2007, DIGE analysis of oxygen in steels, Proceedings Supplement of the National Conference on Applied Physics, 3rd Edition, Galati, 15-16 June 2007, The Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Chemistry, Informatics, Supplement, year XXV (XXX), 244-247, ISSN 1842-6506.
28. A. Nat, A. Ene, 2007, Necessary corrections in quantitative determination of gold in auriferous sands and concentrates by fast neutron activation analysis, Proceedings Supplement of the National Conference on Applied Physics, 3rd Edition, Galati, 15-16 June 2007, The Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Chemistry, Informatics, Supplement, year XXV (XXX), 248-251, ISSN 1842-6506.
29. V. Ghișă, I. V. Popescu, M. Belc, Antoaneta Ene, A X-ray fluorescence technique study applied on some Roman brooches discovered at Tomis, Constanta, The Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Chemistry, Informatics, new series, Year I(XXX) 2007, ISSN 1842-6506, p. 91-95
30. Claudia Stihî, G. Busuioc, I.V. Popescu, T. Badica, S. Apostol, V. Stihî, Antoaneta Ene, Vegetable leaves as bioindicators of heavy metal environmental pollution, The Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Chemistry, Informatics, new series, Year I(XXX) 2007, ISSN 1842-6506, p. 100-104
31. Mariela Ghețu, Antoaneta Ene, The radioactivity in the mining area from Poiana Rusca Mountains, The Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Chemistry, Informatics, new series, Year I(XXX) 2007, ISSN 1842-6506, p. 40-45
32. Alexandru Ivanescu, Lilica Ivanescu, Antoaneta Ene, Study of the evolution of the heat exchange coefficient at the continuous casting of steel, The Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Chemistry, Informatics, new series, Year I(XXX) 2007, ISSN 1842-6506, p. 111-116
33. I.V. Popescu, A. Ene, C. Stihî, A. Gheboianu, T. Badica, *PIXE* applications in elemental analysis of biological and metallurgical samples, The Annals of Valahia University - Science section, VOL 17. 2007, p. 7-12, , ISSN 1584-5567.
34. A. Nat, A. Ene, Experimental aspects in the determination of alluvial gold by instrumental fast neutron activation analysis (*FNA*), The Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Chemistry, Informatics, Supplement, Year II(XXXI) 2008, ISSN 1842-6506, p. 105-112
35. Antoaneta Ene, Alina Boșneagă, Andreea Ene, Analysis and control of metallurgical materials using X-ray fluorescence technique and X-ray attenuation, The Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Chemistry, Informatics, Supplement, Year II(XXXI) 2008, ISSN 1842-6506, p. 161-166
36. A. Ene, I.V. Popescu, C. Stihî, T. Badica, A. Gheboianu, I. Bancuta, G. Dima, Multielemental analysis of metallurgical, environmental and biological samples using *PIXE* technique, The Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Chemistry, Informatics, Year II(XXXI) 2008, ISSN 1842-6506, p. 61-67.
37. Nat, A., Ene, A., Analiza aurului din nisipuri aluvionare prin activare cu neutroni rapizi, Buletinul AGIR Anul III(3) 2008, ISSN 1224-7928, p. 37-40.
38. Ene, A., Analiza elementelor minore in oteluri prin metode atomice si nucleare, Buletinul AGIR Anul III(3) 2008, ISSN 1224-7928, p. 31-36.
39. A. Bosneaga, A. Ene, L. Georgescu, XRF multi-elemental analysis of topsoil near an industrial plant, The Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics Year I(XXXII) 2009, 32(1), No. 1, p. 33-40.
40. A. Bosneaga, L. Georgescu, A. Ene, Soil pollution with heavy metals in Galati region, The Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics Year I(XXXII) 2009, 32(1), No. 1, p. 41-48.
41. Antoaneta Ene, Claudia Stihî, I.V. Popescu, Anca Gheboianu, Alina Bosneaga, I. Bancuta, 2009, Comparative studies on heavy metal content of soils using AAS and EDXRF atomic spectrometric techniques, Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year I(XXXII) 2009, No.2, ISSN 2067 - 2071, p. 51-54.
42. Antoaneta Ene, Alina Boșneagă, Lucian Georgescu, Vlad Gogoncea, 2009, XRF analysis of soils from Lower Prut Meadow, Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year I(XXXII) 2009, No.2, ISSN 2067 - 2071, p. 55-58.
43. A. Gheboianu, C. Stihî, I.V. Popescu, A. Ene, I. Bancuta, Gh.V. Cimpoca, I. Dulama, 2009, Quality studies of Potop and Potocel rivers from Dambovită County area by AAS and TDS measurements, Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year I(XXXII) 2009, No.2, ISSN 2067 - 2071, p. 59-62.
44. Elena Zubcov, Natalia Zubcov, Antoaneta Ene, Lucia Biletschi, Copper and zinc in fish from Prut River, Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year I(XXXII) 2009, No.2, ISSN 2067 - 2071, p. 63-67.
45. Elena Zubcov, Laurentia Ungureanu, Antoaneta Ene, Nina Bagrin, Natalia Borodin, Influence of nutrients substances on phytoplankton from Prut River, Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, Year I(XXXII) 2009, No.2, ISSN 2067 - 2071, p. 68-72.
46. A. Ene, A. Pantelica, Atomic and nuclear methods of steel microelemental analysis, Annals of the University Dunarea de Jos of Galati, Fascicle II – CD-ROM, Year III(XXXII) 2009, ISSN 2066 – 7124, p 226-229.
47. L. Ivanescu, A. Ene, Fuel economy by using oxygen-enriched air at burning, Annals of the University Dunarea de Jos of Galati, Fascicle II – CD-ROM, Year III(XXXII) 2009, ISSN 2066 – 7124, p 375-380.

48. Apostolos Papadopoulos, Antoaneta Ene, Thomas Spanos, Predicting the microbial degradability of simple mixtures of PAHs in soils using the *HPCD* extraction method, *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics*, Year I(XXXII) 2009, ISSN 2067 - 2071, p. 142-154.
49. A. Pantelica, A. Ene, Radioactivity of metallurgical slag by low-background gamma-ray spectrometry, *Annals of the University Dunarea de Jos of Galati, Fascicle II – CD-ROM*, Year III(XXXII) 2009, ISSN 2066 – 7124, p 508-511
50. A. Ene, Prompt nuclear analysis of steels, *Annals of the University Dunarea de Jos of Galati, Fascicle II – CD-ROM*, Year III(XXXII) 2009, ISSN 2066 – 7124, p 490-498.

4. Articole publicate in reviste din străinătate

1. Ivanescu, L., Ene, A., Ivanescu, Al., 2001, The mathematical modelling of the power consumptions savings on the heating furnaces, *Acta Mechanica Slovaca*, 5(3), 411-416, ISSN 1335-2393. <http://www.sjf.tuke.sk/actamechanica/3-2001ravypaseen.htm>
2. Ivanescu, Al., Ivanescu, L., Ene, A., Achimfa, S., 2001, Researches on power consumptions savings in the electric arc furnaces by preheating the metallic charge with exothermal mixtures, *Acta Mechanica Slovaca*, 5(3), 417-420, ISSN 1335-2393. <http://www.sjf.tuke.sk/actamechanica/3-2001ravypaseen.htm>
3. Ivanescu, Al., Ivanescu, L., Ene, A., Vasilescu E., Doniga A., 2007, Marsh gas economy achievement at the heat treatment furnaces by the replacement with blast furnace gas, *Acta Mechanica Slovaca*, 11, 543-550, ISSN 1335-2393.
4. Ivanescu, L., Ivanescu, Al., Ene, A., Vasilescu E., Doniga A., 2007, Energy saving at the electric arc furnaces by using the released heat from exothermal reactions, *Acta Mechanica Slovaca*, 11, 551-554, ISSN 1335-2393.
5. Ostroumov S.A., Kolesov G.M., Toderas I.K., Ene Antoaneta, Detection of elements (La, Au, U, Cs, Ba, Na, Ce, Se, Sb, Hf, Th, Sc, Sm, and others) in biogenic detritus of aquatic microcosms with *Viviparus viviparus*, *Unio pictorum, Ceratophyllum demersum*, *Buletinul Academiei de Științe a Moldovei – Științele vieții*, vol. 2(308), 2009, ISSN 1857-064X, p.85-94 [C.A. Остроумов, Г.М. Колесов, И.К. Тодераш, and А. Ени. Выявление элементов (La, Au, U, Cs, Ba, Na, Ce, Se, Sb, Hf, Th, Sc, Sm и других) в биогенном детрите водных микрокосмов с *Viviparus viviparus*, *Unio pictorum, Ceratophyllum demersum. Известия АН Молдовы. Науки о жизни*, (2 (308)):85–94, 2009]. http://ibn.idsi.md/sites/default/files/j_nr_file/buletin%20nr%202%202009.pdf
6. Ostroumov S.A., Toderas I.K., Zubcov E.I., Kotelevtsev S.V., Ermakov V.V., Krupina A.A., Ene A., Mikus A.A., Biletschi L.I., Briahnă A., Miron A., Biogenic copper migration in aquatic ecosystems (in Russian), *Buletinul Academiei de Științe a Moldovei – Științele vieții* (Bulletin of Academy of Sciences of Moldova. Life Sciences), vol. 3(309), 2009, ISSN 1857-064X, p.4-22 [Остроумов С.А., Тодераш И.К., Зубкова Е.И., Котелевцев С.В., Ермаков В.В., Крупина М.В., Ене А., Микус А.А., Билецки Л.И., Бряхнэ А., Мирон .А., БИОГЕННАЯ МИГРАЦИЯ МЕДИ В ВОДНЫХ ЭКОСИСТЕМАХ]. https://ibn.idsi.md/sites/default/files/j_nr_file/buletin%20nr%203%202009.pdf
7. O.V. Ignatenko, V.A. Komar, S.V. Leonchik, N.A. Shempel, A. Ene, A. Cantaragiu, M.V. Frontasyeva, V.N. Shvetsov, Changes of nitrides characteristics in Li-N system synthesized at different pressures, *JINR Preprint*, D18-2012-102, Dubna, Russia, 2012, pp. 12 (in English and in Russian).
8. BULAT, Dm.; BULAT, Dn; TODERAȘ, I. USATÎL, M.; ZUBCOV, E.; UNGUREANU, L.; ȘAPTEFRĂȚI, N. ; ENE, A.; DAVIDEANU, Gr. Importanța zonelor umede pentru menținerea ihtiofaunei Nistrului și Prutului inferior. *Buletinul Academiei de Științe a Moldovei. Științele vieții*. 2015, 1(325), p. 120-125. ISSN 1857-064X. <http://bsl.asm.md/article/id/37183>

5. Articole publicate în extenso în volume ale conferințelor internaționale

1. Popescu, I., Badica, T., Besliu, C., Olariu, A., Ene, A., 1994, Investigation by X and Gamma – ray detection of some steel samples, *Proceedings Supplement of Balkan Physics Letters*, 2 (2), 1465-1468, BPU-2, 2nd General Physics Conference of the Balkan Physics Union, 12-14 September, Ege University, Izmir, Turkey.
2. Ene, A., Badica, T., Besliu, C., Olariu, A., Popescu, I.V., 1997, Analysis of minor elements in steel by coincidence method in deuteron-induced prompt gamma-ray spectrometry, *Proceedings Supplement of Balkan Physics Letters*, 6, 2043-2046, BPU-3, 3rd General Physics Conference of the Balkan Physics Union, 2-5 September, Babes-Bolyai University, Cluj-Napoca, Romania.
3. Ene, A., Besliu, C., Olariu, A., Badica, T., Popescu, I.V., Ivanescu, Al., 1997, Study of minor elements transfer during the steel manufacture by neutron activation analysis, *Proceedings Supplement of Balkan Physics Letters*, 6, 2047-2050, BPU-3, 3rd General Physics Conference of the Balkan Physics Union, 2-5 September, Babes-Bolyai University, Cluj-Napoca, Romania.
4. Ivanescu, Al., Ene, A., Ivanescu, L., 2001, Research on steel parts coating with stainless steel by metallothermal techniques, *EUROCOAT 2001*, Poster 75, *Recueil des Conférences*, Volume I, p. 207-211, September 24-27, Lyon, France.
5. Ivanescu, Al., Ene, A., Ivanescu, L., 2003, Modeling of the steel desulphurization process, *Proceedings of the 27th Annual Congress of American Romanian Academy of Arts and Sciences (ARA)*, May 29-June 2, University of Oradea, Romania, Vol. II, *Engineering and Applied Mathematics*, 717-719, 2002, Polytechnic International Press, Montreal, Canada, ISBN 2-553-01024-9.
6. Ivanescu, Al., Ene, A., Cananau, N., Macuta, S., 2003, Mathematical model of the LD steel deoxidation kinetics with manganese and aluminium, *The Annual Symposium of the Institute of Solid Mechanics, SISOM 2003*, Bucharest, May 15-16, Session 2, paper 6R, 57-62.

7. Ivanescu, Al., Ene, A., Cananau, N., 2004, Mathematical model of the LD steel deoxidation kinetics with manganese and aluminium, Proceedings of the 28th Annual Congress of American Romanian Academy of Arts and Sciences (ARA), June 3-8, 2003, Constantin Brancusi University of Targu Jiu, Romania, Vol. II, Engineering and Applied Mathematics, 799-802, Polytechnic International Press, Montreal, Canada, ISBN 2-553-01137-7.
8. Ivanescu, Al., Ene, A., Ivanescu, L., 2004, The increase of the energetic efficiency of the electric arc furnace by using exothermal mixtures, METAL 2004, 13th International Metallurgical & Materials Conference, May 18 – 20, Hradec nad Moravicí, Czech Republic, Section A, Poster A20, Abstract Paper no. 118, p. 34; Proceedings on CD-ROM (118.pdf), 1-4, ISBN 80-85988-95-X.
9. Ivanescu, Al., Ene, A., Catana, C., Ivanescu, L., 2005, Researches regarding the vaporization process of the existing elements in the metallic bath during steel making in LD converter, METAL 2005, 14th International Metallurgical & Materials Conference, May 24 – 26, Hradec nad Moravicí, Czech Republic, Section A, Poster A6P, Abstract Paper 76, p.44; Proceedings on CD-ROM (76.pdf), 1-8, ISBN 80-86840-13-1.
10. Ivanescu, Al., Ene, A., Ivanescu, L., Catana, C., Doniga, A., 2006, Mathematical modelling of the refractory lining of the LD converter, METAL 2006, 15th International Metallurgical & Materials Conference, May 23 – 25, Hradec nad Moravicí, Czech Republic, Symposium A - Advanced Iron Production and Steel Making, Poster A09, Abstract Paper 150, p.34; Proceedings on CD-ROM (150.pdf), 1-6, ISBN 80-86840-18-2.
11. Ivanescu, Al., Ene, A., Ivanescu, L., Catana, C., Istrate, M., 2006, Study of the explosions which take place in the recovery boilers and LD converters during the pauses between charges, METAL 2006, 15th International Metallurgical & Materials Conference, May 23 – 25, Hradec nad Moravicí, Czech Republic, Symposium A - Advanced Iron Production and Steel Making, Poster A10, Abstract Paper 151, p.34; Proceedings on CD-ROM (151.pdf), pp.1-9, ISBN 80-86840-18-2.
12. Ivanescu, Al., Ene, A., Munteanu, V., Ivanescu, L., Zorlescu, D., 2006, EOSC 2006, Vaporisation of the Component Elements from Metallic Bath during Refining in Oxygen Converter, 5th European oxygen Steelmaking Conference, 26-28 June, Steel Institute VDEh, Aachen, Germany, Session 4 – By-products, recycling and environmental, Paper 4.6, Oral presentation, Proceedings p. 168-175, ISBN 3-514-00727-6 & ISBN 978-3-514-00727-7.
13. Ivanescu, Al., Ene, A., Cocindau, C., Ivanescu, L., Doniga, A., 2007, Study of the thermodynamic regime at continuous casting of steel, METAL 2007, 16th International Metallurgical & Materials Conference, May 22 – 24, Hradec nad Moravicí, Czech Republic, Abstract Paper Z-9, p.117; Proceedings on CD-ROM (67.pdf), 1-9, ISBN 978-80-86840-33-8.
14. Ivanescu, Al., Ivanescu, L., Ene, A., Vasilescu E., Doniga A., 2007, Marsh gas economy achievement at the heat treatment furnaces by the replacement with blast furnace gas, 7th international conference economical energy production, High Tatras, Slovak republic, 24-26 October 2007, Acta Mechanica Slovaca, 543-550, ISSN 1335-2393.
15. Ivanescu, L., Ivanescu, Al., Ene, A., Vasilescu E., Doniga A., 2007, Energy saving at the electric arc furnaces by using the released heat from exothermal reactions, 7th international conference economical energy production, High Tatras, Slovak republic, 24-26 October 2007, Acta Mechanica Slovaca, 551-554, ISSN 1335-2393.
16. Ivanescu, Al., Zorlescu, D., Ene, A., Munteanu, V., Ivanescu, L., 2007, Modelling of the heat losses at the liquid metal transport in an integrated iron and steel works, 11-15 June, METEC InsteelCon 2007, Steel Institute VDEh, Dusseldorf, Germany, Session 1 – Fundamentals of ironmaking, Paper 1.6, Oral presentation, Proceedings 3rd International Conference on New Developments in Metallurgical Process Technologies, p. 32-38, ISBN 978-3-514-00742-0.
17. A. Ene, I. V. Popescu, V. Ghisa, 2007, Study of transfer efficiencies of minor elements during steelmaking by neutron activation technique, 5th International Conference "NEW RESEARCH TRENDS IN MATERIAL SCIENCE - ARM-5", 5-7 September, Sibiu, Romania, Poster Section 1-Metals. Alloys. Intermetallic Compounds, Paper 1.74, Proceedings p.278-281
18. Ivanescu, A., Ene, A., Ivanescu, L., Study of the heat losses at the continuous casting of slabs, METAL 2008, 17th International Metallurgical & Materials Conference, May 13 – 15, 2008, Hradec nad Moravicí, Czech Republic, poster A7P, p. 98, Abstracts ISBN 978-80-254-1987-8, Proceedings on CD-ROM (165.pdf), p. 1-5
19. Ivanescu, A., Ivanescu, L., Ene, A., Marsh gas replacement with blast furnace gas at the heating of the mixer, METAL 2008, 17th International Metallurgical & Materials Conference, May 13 – 15, 2008, Hradec nad Moravicí, Czech Republic, poster A7P, p. 98, Abstracts ISBN 978-80-254-1987-8, Proceedings on CD-ROM (154.pdf), p. 1-4.
20. Zubcov Natalia, Zubcov Elena, Ene Antoaneta, Biletschi Lucia, THE LEVEL OF METALS IN FISH FROM RIVER PRUT WATER ECOSYSTEMS, Simpozionul International Diversitatea, valorificarea rationala si protectia lumii animale, Chisinau, 3-4 noiembrie 2009, Biblioteca Stiintifica Centrala „Andrei Lupan” a Academiei de Stiinte a Moldovei, ISBN 978-9975-67-611-3, p.283-285.
21. Zubcov Natalia, Elena Zubcov, Lucia Biletschi, Antoaneta Ene, The accumulation and the influence of trace elements on growth and development of fish during early ontogenesis, International Conference of Zoologists „Actual problems of protection and sustainable use of animal world diversity”, (dedicated to the 50th anniversary from the foundation of Institute of Zoology of ASM), Institute of Zoology of the Academy of Sciences of Moldova, Chisinau, 12-14 October 2011, Program p.7, Section 3-Water Ecology; Oral presentation, 13 October 2011 (14h00-17h00), Institute of Zoology-room 321; Proceedings of the Conference, ISBN 978-9975-4248-2-0, p. 200-201. <http://www.eco-tiras.org/books/Zool-conf-2011-Proc-Chisinau.pdf>
22. Oleg Bogdevich, Antoaneta Ene, Oleg Cadocinovic, Culighin Elena, The analysis of PAHs and POPs pollution sources in Low Danube region, 22nd International Symposium „Ecology & Safety”, Bulgaria, Sunny Beach, June 7-11, 2013.

- JOURNAL OF International Scientific Publications: Ecology&Safety, Volume 7, Part 2, 2013, pp 233-243. ISSN 1313-2563. <http://www.scientific-publications.net/open-access-journals/ecology-and-safety/>
23. Thomas Spanos, Antoaneta Ene, Mitkidou Sofia, Pavlina Simeonova, 2015, Application of chemometric methods for assessment of groundwater quality data in Kavala Prefecture, Northern Greece, INTERNATIONAL CONFERENCE "New Frontiers in Environmental and Water Management", March 19-21, 2015, Kavala, GREECE, Book of Abstracts, p.18, Proceedings of the international conference, pp. 56-62, ISBN 978-960-363-062-3, <http://fewm.eu/>
 24. O.V. Ignatenko, A.V. Konovalova, V.A. Komar, S. V. Leonchik, N. A. Shempel, Yu. V. Aleksiyaynak, M.V. Frontasyeva, V. N. Shvetsov, A. Ene, A. Cantaragiu. Comparative characteristics of synthetic diamond powder obtained in systems Fe-Ni-C and Mn-Ni-C, Proceedings of the 2nd International Conference on Modern Applications of Nanotechnology, 6-8 May 2015, Minsk, Belarus, Scientific and Practical Materials Research Center of the National Academy of Sciences of Belarus, 2015, pp. P077-1 – P077-3.
 25. Oleg Bogdevich, Antoaneta Ene, Oleg Cadocinicov, Elena Culighin, Elena Nicolau, Marina Grigoras, The study of POPs contaminated sites in Danube River basin of Republic Moldova for risk assessment and remediation actions, International Conference Contaminated sites 2016, Bratislava, 12–13 September 2016, Conference Proceedings. Slovak Environment Agency. Banská Bystrica, 2016. ISBN: 978 978-80-89503-54-4, pp. 64-68.
 26. Luminita Moraru, Lucian Traian Dimitrievici, Antoaneta Ene, Simona Moldovanu, Magnetic field gradients and their effects on the diffusion tensor derivate measures, RAD Conference Proceedings, vol. 2, pp. 207–211, 2017, ISSN 2466-4626 (on line), doi: [10.21175/RadProc.2017.42](https://doi.org/10.21175/RadProc.2017.42), <http://rad-proceedings.org/index.php?id=2>

6. Articole publicate ca rezumat în volume ale conferințelor internaționale

1. Popescu, I., Badica, T., Popa, G., Besliu, C., Olariu, A., Ene, A., 1994, PIXE-PIGE analysis of steel samples, National Physics Conference - Paper Abstracts, Sibiu, September 21-24, p.13.
2. Ene, A., Popescu, I.V., Badica, T., Olariu, A., 2002, Coincidence method for the analysis of minor elements in steel by proton- and deuteron-induced prompt gamma-ray emission, 3rd International Workshop of Applied Physics, June 26-28, Targoviste, Romania, P15 (Poster).
3. Popescu, I.V., Badica, T., Ene, A., Olariu, A., Besliu, C., 2003, High sensitivity analysis method of trace elements in steel by charged particles induced prompt g-ray spectrometry (PIGE), 4th International Balkan Workshop of Applied Physics, September 25-27, Constanta, Romania, Abstracts, S3 L01 (Lecture), p. 99.
4. Ene, A., Nat, A., Lupu, R., Popescu, I.V., 2003, Determination of gold in auriferous alluvial sands and rocks by 14 MeV neutron activation analysis, 4th International Balkan Workshop of Applied Physics, September 25-27, Constanta, Romania, Abstracts, S3 P15 (Poster), p. 81.
5. Ene, A., Popescu, I.V., Badica, T., 2004, Determination of manganese in steels using proton-induced nuclear reactions, 5th International Balkan Workshop on Applied Physics, Section 3 – atomic and nuclear physics with applications (Poster session), S3P10, p.108, July 5-7, Ovidius University, Constanta, Romania
6. Ene, A., Popescu, I.V., Badica, T., 2004, Multielemental analysis of steels via atomic and nuclear methods, 5th International Balkan Workshop on Applied Physics, Section 3 – atomic and nuclear physics with applications (Poster session), S3P11, p.108-109, July 5-7, Ovidius University, Constanta, Romania
7. Ene, A., Popescu, I.V., Badica, T., 2005, Determination of carbon in steels using particle-induced prompt gamma rays spectrometry, 6th International Balkan Workshop on Applied Physics, Section 3 – atomic and nuclear physics with applications (Poster session), S3P01, p. 116, July 5-7, Ovidius University, Constanta, Romania
8. Ene, A., Badica, T., Popescu, I.V., 2005, Combined PIXE-NAA methods for the determination of minor elements in steel samples, 6th International Balkan Workshop on Applied Physics, Section 3 – atomic and nuclear physics with applications (Poster session), S3P02, p.116-117, July 5-7, Ovidius University, Constanta, Romania.
9. Bancuta (Gheboianu), A., Popescu, I.V., Frontasyeva, M., Stih, C., Culicov, O., Busuioc, G., Cimpoca, V., Constantinescu, O., Gugiu, M., Ene, A., 2006, INAA and PIXE methods applied to environmental biomonitoring, 7th International Balkan Workshop on Applied Physics, July 5-7, Ovidius University, Constanta, Romania, Section 3 – atomic and nuclear physics with applications (Invited lecture – 5 July, Hall E8, hour 12,30-13,00), S3L03, Book of Abstracts, Ovidius University Press, ISBN 973-614-313-7 si ISBN 978-973-614-314-4, p.126.
10. Ene, A., Popescu, I.V., Badica, T., 2006, A method for the enhancement of the sensitivity of PIGE analysis of complex matrices, 7th International Balkan Workshop on Applied Physics, July 5-7, Ovidius University, Constanta, Romania, Section 3 – atomic and nuclear physics with applications (Poster session), S3P12, Book of Abstracts, Ovidius University Press, ISBN 973-614-313-7 si ISBN 978-973-614-314-4, p.132-133.
11. Popescu, I.V., Ene, A., Stih, C., Bancuta, A., Dima, G., Badica, T., Ghisa, V., 2006, Analytical applications of particle-induced X-ray emission (PIXE), BPU-6, 6th International Conference of the Balkan Physics Union, 22-26 August, Istanbul University, Istanbul, Turkey, Section I – Nuclear Physics and Nuclear Energy (Poster), Abstract I-P-036, p. 580.
12. Ene, A., Popescu, I.V., Badica, T., 2006, Multi-elemental analysis of steel by combined nuclear techniques, BPU-6, 6th International Conference of the Balkan Physics Union, 22-26 August, Istanbul University, Istanbul, Turkey, Section I – Nuclear Physics and Nuclear Energy (Poster), Abstract I-P-037, p. 581.
13. Popescu, I.V., Ene, A., Stih, C., Bancuta, A., Dima, G., Badica, T., Ghisa, V., 2006, Analytical applications of particle-induced X-ray emission (PIXE), BPU-6, 6th International Conference of the Balkan Physics Union, 22-26 August, Istanbul University, Istanbul, Turkey, AIP Conference Proceedings 899, p. 538, ISBN 978-0-7354-0404-5.

14. Ene, A., Popescu, I.V., Badica, T., 2007, Multi-elemental analysis of steel by combined nuclear techniques, BPU-6, 6th International Conference of the Balkan Physics Union, 22-26 August, Istanbul University, Istanbul, Turkey, AIP Conference Proceedings 899, p. 539, ISBN 978-0-7354-0404-5.
15. Antoaneta Ene, Ion V. Popescu, Claudia Stih, Applications of proton-induced X-ray emission technique in materials and environmental science, International Conference CHIMIA-2009 – “New Trends in Applied Chemistry”, Ovidius University of Constanta, 13-16 May 2009, Poster session – Analytical and Environmental Chemistry, Paper PC25, Conference Program and Book of Abstracts, p. 159, Ovidius University Press, ISBN 978-973-614-500-1.
16. Antoaneta Ene, Ana Pantelica, Neutron activation analysis of deoxidized steels, International Conference CHIMIA-2009 – “New Trends in Applied Chemistry”, Ovidius University of Constanta, 13-16 May 2009, Poster session – Materials Science, Paper PB21, Conference Program and Book of Abstracts, p. 103, Ovidius University Press, ISBN 978-973-614-500-1.
17. Bosneaga A., Georgescu L., Ene, A., 2009, Evaluation of soils pollution with heavy metals using XRF technique, International U.A.B.-B.En.A. Workshop MANAGEMENT AND SUSTAINABLE PROTECTION OF ENVIRONMENT, Poster P93- Section Soil, Water and Air Pollution, May 6-7, Alba Iulia, Romania, Book of Abstracts, p. 99, Aeternitas Publishing House, Alba Iulia, ISBN978-973-1890-30-2.
18. Ene, A., Popescu, I.V., Stih C., Gheboianu A., 2009, PIXE analysis of multielemental samples, 10th International Balkan Workshop on Applied Physics, Section 3 – atomic and nuclear physics with applications (Poster session), S3P13, July 6-8, Ovidius University, Constanta, Romania, p. 128, Book of Abstracts, Ovidius University Press, ISBN 978-973-614-507-0.
19. Ene, A., Bosneaga A., Georgescu L., 2009, Determination of heavy metals in soils using XRF technique, 10th International Balkan Workshop on Applied Physics, Section 3 – atomic and nuclear physics with applications (Poster session), S3P12, July 6-8, Ovidius University, Constanta, Romania, p. 127-128, Ovidius University Press, ISBN 978-973-614-507-0.
20. Claudia STIHI, Cristiana RADULESCU, Gabriela BUSUIOC, Ion V. POPESCU, Anca GHEBOIANU, Antoaneta ENE, Studies on accumulation of heavy metals from substrate to edible wild mushrooms, Section 4 – Biophysics, environmental physics (Lecture), S4OP06, July 6-8, Ovidius University, Constanta, Romania, p. 143, Ovidius University Press, ISBN 978-973-614-507-0.
21. Antoaneta Ene, Claudia Stih, I.V. Popescu, Anca Gheboianu, Alina Bosneaga, I. Bancuta, 2009, Comparative studies on heavy metal content of soils using AAS and EDXRF atomic spectrometric techniques, 1st International Symposium on Applied Physics – Materials Science, Environment and Health, Section 2 – Physical-Chemical methods of analysis and control (Poster session), S2P3, November 28-29, Dunarea de Jos University of Galati, Galati, Romania, Symposium Program, p. 11.
22. I.V. Popescu, M.Frontasyeva, A. Ene, C. Stih, A. Gheboianu, O. Culicova, Gh. Vlaicu, 2009, Comparative studies on heavy metal content of mosses used in environmental biomonitoring, 1st International Symposium on Applied Physics – Materials Science, Environment and Health, Section 3 – Environment Protection (Oral session), S3O5, 28-29 November, Dunarea de Jos University of Galati, Galati, Romania, Symposium Program, p. 15.
23. Antoaneta Ene, Alina Boşneagă, Lucian Georgescu, Alina Cantaragiu, Vlad Gogoncea, 2009, SEM-XRF analysis of soils from Lower Prut Meadow, 1st International Symposium on Applied Physics – Materials Science, Environment and Health, Section 3 – Environment Protection (Poster session), S3P23, November 28-29, Dunarea de Jos University of Galati, Galati, Romania, Symposium Program, p. 18.
24. A. Gheboianu, C. Stih, I.V. Popescu, A. Ene, I. Bancuta, Gh.V. Cimpoca, I. Dulama, 2009, Quality studies of Ialomita and Potop rivers from Dambovita County area by AAS and TDS measurements, 1st International Symposium on Applied Physics – Materials Science, Environment and Health, Section 3 – Environment Protection (Poster session), S3P19, November 28-29, Dunarea de Jos University of Galati, Galati, Romania, Symposium Program, p. 18.
25. Elena Zubcov, Natalia Zubcov, Antoaneta Ene, Lucia Biletchi, Copper and Zinc in fish from Prut River, 1st International Symposium on Applied Physics – Materials Science, Environment and Health, Section 3 – Environment Protection (Poster session), S3P1, November 28-29th, 2009, Dunarea de Jos University of Galati, Galati, Romania, Symposium Program, p. 16.
26. Elena Zubcov, Laurentia Ungureanu, Antoaneta Ene, Nina Bagrin, Natalia Borodin, Influence of nutrients substances on phytoplankton from Prut River, 1st International Symposium on Applied Physics – Materials Science, Environment and Health, Plenary Lecture L2 (Laurentia Ungureanu-keynote speaker) & Section 3 – Environment Protection (Poster session), S3P22, November 28-29th, 2009, Dunarea de Jos University of Galati, Galati, Romania, Symposium Program, p. 18.
27. Ana Pantelica, Antoaneta Ene, Radioactivity of metallurgical slag by low-background gamma-ray spectrometry, 1st International Symposium on Applied Physics – Materials Science, Environment and Health, Section 3 – Environment Protection (Oral session), S3. O6., November 28-29, Dunarea de Jos University of Galati, Galati, Romania, Symposium Program, p. 15.
28. Lilica Ivănescu, Antoaneta Ene, Alexandru Ivănescu, Efficiency of energetic valorization of secondary products resulted from steelmaking in LD converter, 1st International Symposium on Applied Physics – Materials Science, Environment and Health, Section 1, S1.O8. November 28-29, Dunarea de Jos University of Galati, Galati, Romania, Symposium Program, p. 6.

29. Lilica Ivănescu, Antoaneta Ene, Alexandru Ivănescu, Fuel economy by using oxygen-enriched air at burning, 1st International Symposium on Applied Physics – Materials Science, Environment and Health, Section 1, S1.09. November 28-29, Dunarea de Jos University of Galati, Galati, Romania, Symposium Program, p. 6.
30. A. Ene, I.V. Popescu, C. Stih, A. Pantelica, A. Gheboianu, T. Badica, Atomic and nuclear methods of steel microelemental analysis, 1st International Symposium on Applied Physics – Materials Science, Environment and Health, Section 1, S1.09. November 28-29, Dunarea de Jos University of Galati, Galati, Romania, Symposium Program, p. 7.
31. Gheboianu A., Popescu I. V., Frontasyeva M.V., Stih C., Culicov O., Ene A., Comparison of FAAS and INAA in determining iron, zinc and manganese in mosses, 18th INTERNATIONAL SEMINAR on Interaction of Neutrons with Nuclei: "Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics" ISINN-18, Dubna, Russia, May 26-29, 2010, Oral presentation, 29.05., Hours 12-12.30, Section Nuclear Analytical Methods in the Life Sciences, <http://isinn.jinr.ru/18/prog.html>; Abstracts of the Seminar, ISBN 978-5-9530-0247-9, p. 26.
32. Ene A., Stih C., Popescu I.V., Bosneaga A., Radulescu, C., Gheboianu A., XRF-AAS analysis of heavy metals in soils around of a ferrous metallurgical plant in Eastern part of Romania, 18th INTERNATIONAL SEMINAR on Interaction of Neutrons with Nuclei: "Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics" ISINN-18, Dubna, Russia, May 26-29, 2010, Poster presentation, 28.05., <http://isinn.jinr.ru/18/prog.html>; Abstracts of the Seminar, ISBN 978-5-9530-0247-9, p. 23; Proceedings of the seminar, p. 360-366, JINR 2011, ISBN 978-5-9530-0277-6.
33. Antoaneta Ene, Alina Bosneaga, Lucian Georgescu, Assessment of the contamination level of soil in Galati region of Lower Prut River, International workshop on fishery and aquaculture - A view point upon the sustainable management of the water resources in the Balkan area, Galati, Romania, May 26-28th, 2010, Book of Abstracts, Galati University Press, p. 177.
34. Stih C., Ene A., Popescu I.V., Radulescu C., Gheboianu A., Florescu M., Bosneaga A., Assessments of heavy metals distribution in soils using EDXRF and FAAS techniques, Book of Abstracts, First International Conference Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, IC-ANMBES 2010, Transilvania University of Brasov, June 18-20, 2010, Transilvania University press, Oral communications Analytical and Nanoanalytical Methods for Environmental Protection OE3, ISBN 978-973-598-722-0, p. 44, <http://biofiz.unitbv.ro/icanmbes2010/Abstract%20book%20IC-ANMBES%202010.pdf>
35. Ene, A., Pantelica A., Bosneaga A., 2010, INAA-EDXRF analysis of soils in the vicinity of a metallurgical plant, 11th International Balkan Workshop on Applied Physics, Section 3 – atomic and nuclear physics with applications (Poster session), S3P11, July 7-9, 2010, Ovidius University, Constanta, Romania, Book of abstracts, Ovidius University Press, Constanta, 2010, p. 98, ISBN 978-973-614-554-4, <http://ibwap2010.univ-ovidius.ro/home.htm>
36. Ene, A., Pantelica A., Characterization of metallurgical slags using low-level gamma-ray spectrometry and neutron activation analysis, 11th International Balkan Workshop on Applied Physics, Section 3 – atomic and nuclear physics with applications (Poster session), S3P10, July 7-9, 2010, Ovidius University, Constanta, Romania, Book of abstracts, Ovidius University Press, Constanta, 2010, pp. 97-98, ISBN 978-973-614-554-4, <http://ibwap2010.univ-ovidius.ro/home.htm>.
37. Claudia Stih, Antoaneta Ene, Ion V. Popescu, Cristiana Radulescu, Busuioc Gabriela, A. Gheboianu, A. Bosneaga, Assessments of Heavy Metals Distribution in Soil Using EDXRF and FAAS Techniques, *SEGH 2010- International Conference and Workshops of the Society for Environmental Geochemistry and Health on Environmental Quality and Human Health*, Galway, Ireland, June 27- July 2, 2010, abstract book p. 132, <http://www.nuigalway.ie/segh2010/>
38. Antoaneta Ene, Alina Bosneaga, Inter-element relationships for soils around a ferrous metallurgical plant, *A DOUA CONFERINȚĂ NAȚIONALĂ DE "ȘTIINȚE APLICATE ÎN STUDIUL MEDIULUI ÎNCONJURĂTOR ȘI MATERIALELOR" CU PARTICIPARE INTERNAȚIONALĂ*, TÂRGOVIȘTE, 28-30 aprilie 2010, Poster SA P002, Abstract Book p.28.
39. Antoaneta Ene, Ion V. Popescu, Claudia Stih, Anca Gheboianu, Cristiana Radulescu, Nicolae Tigau, Steluta Gosav, Assessment of river water quality in Central and Eastern parts of Romania using atomic and optical methods, Poster SA P003, *A DOUA CONFERINȚĂ NAȚIONALĂ DE "ȘTIINȚE APLICATE ÎN STUDIUL MEDIULUI ÎNCONJURĂTOR ȘI MATERIALELOR" CU PARTICIPARE INTERNAȚIONALĂ*, TÂRGOVIȘTE, 28-30 aprilie 2010, Abstract Book p.29.
40. A. Pantelica, M. Gugiu, C. Ciortea, A. Ene, A. Enulescu, D. Dumitriu, D. Fluerașu, PIXE analysis of environmental samples using Si(Li) and HPGe detectors, *A DOUA CONFERINȚĂ NAȚIONALĂ DE "ȘTIINȚE APLICATE ÎN STUDIUL MEDIULUI ÎNCONJURĂTOR ȘI MATERIALELOR" CU PARTICIPARE INTERNAȚIONALĂ*, TÂRGOVIȘTE, 28-30 aprilie 2010, Prezentare orală, secțiunea Științe Aplicate.
41. Ana Pantelica, Antoaneta Ene, Marius Gugiu, Constantin Ciortea, Olimpiu Constantinescu, PIXE analysis of some vegetable species, *CNF 2010, Conferința Națională de Fizică - Iași 23-25 septembrie 2010*, Sect. Fizică atomică și moleculară, Invited lecture, FAM II.
42. Zubcov Natalia, Elena Zubcov, Lucia Bilețchi, Antoaneta Ene, The accumulation and the influence of trace elements on growth and development of fish during early ontogenesis, International Conference of Zoologists „Actual problems of protection and sustainable use of animal world diversity”, (dedicated to the 50th anniversary from the foundation of Institute of Zoology of ASM), Institute of Zoology of the Academy of Sciences of Moldova, Chisinau, 12-14 October 2011, Program p.7, Section 3-Water Ecology; Oral presentation, 13 October 2011 (14h00-17h00), Institute of

- Zoology-room 321; Proceedings of the Conference, ISBN 978-9975-4248-2-0, p. 200-201. <http://www.eco-tiras.org/books/Zool-conf-2011-Proc-Chisinau.pdf>
43. Ene A., A review of moss biomonitoring in Romania, 24th Task Force Meeting of ICP Vegetation, Rapperswil, Switzerland, 31 Jan. - 2 Feb. 2011, Program and Abstracts, Poster p.44. <http://icpvegetation.ceh.ac.uk/events/documents/Ene.pdf>
<http://icpvegetation.ceh.ac.uk/events/documents/Bookofabstracts.pdf>
 44. Antoaneta Ene, Alina Sion (Bosneaga), Comparative study of high precision spectrometric techniques used for the assesment of trace elements in soils, International Conference of Young Researchers „NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING” (TEME), 18-20 May 2011, Galati, Romania, Poster P16, <http://www.teme.ugal.ro/>.
 45. Antoaneta Ene, Oleg Bogdevich, Alina Sion (Bosneaga), GC-MS analysis of selected PAHs in soils from Galati region, eastern part of Romania, International Conference of Young Researchers „NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING” (TEME), 18-20 May 2011, Galati, Romania, Poster P15, <http://www.teme.ugal.ro/>.
 46. Popescu I.V., Ene A., Cucu-Man S., Todoran R., Frontasyeva M., Culicov O., Stih C., Gheboianu A., Moss biomonitoring in Romania in the frame of JINR-Romania collaboration, 19th International Seminar on Interaction of Neutrons with Nuclei ISINN-19, Joint Institute for Nuclear Research, Dubna, Russia, 25-28 May, 2011, Invited paper, Abstract Book p. 54 <http://isinn.jinr.ru/19/program.pdf>
 47. Pantelica A., Culicov O.A., Frontasyeva M.V., Ene A., Ciortea C., Gugiu M., INAA and PIXE comparison on some vegetable species (cabbage, tomato, pepper and parsnip), 19th International Seminar on Interaction of Neutrons with Nuclei ISINN-19, Joint Institute for Nuclear Research, Dubna, Russia, 25-28 May, 2011, Abstract Book p. 51, <http://isinn.jinr.ru/19/program.pdf>
 48. Sion (Bosneaga) A., Ene A., Georgescu L., Heavy Metals in Soils near an Industrial Plant in Galati, Romania: Implications for the Population Health Risk, The 3rd Joint Seminar JINR-Romania on Neutron Physics for Investigations Of Nuclei, Condensed Matter and Life Sciences, Targoviste, Romania, 24-30 July 2011, Poster paper P06 Book of Abstracts p. 64, http://www.icstm.ro/sites/default/files/JSJR3_Book_of_abstracts.pdf
 49. Ene A., Analytical applications of thermal and 14 MeV neutron activation analysis in metallurgical industry, Invited Paper L8, The 3rd Joint Seminar JINR-Romania on Neutron Physics for Investigations of Nuclei, Condensed Matter and Life Sciences, Targoviste, Romania, 24-30 July 2011, Book of Abstracts p. 34-35, ISBN 978-973-712-612-2, http://www.icstm.ro/sites/default/files/JSJR3_Book_of_abstracts.pdf
 50. Antoaneta Ene, Ana Pantelica, Marius Gugiu, Catalin Ionut Calinescu, Daniela Fluerasu, Elemental contents in Danube River water in Galati region determined by PIXE, 12th International Balkan Workshop on Applied Physics (12 IBWAP), July 06-08, 2011, Constanta, Romania, lucrare orala (OP2, S3), Abstract Book p.92, <http://www.univ-ovidius.ro/ibwap2011/home.htm>.
 51. A. Pantelica, A. Ene, Determination of elemental concentration in river and drinking water samples from central and southern part of Romania by PIXE, 4th European Conference on Chemistry for Life Sciences (4ECCLS)”, August 31-September 3, Eötvös University in Budapest, Hungary, Poster P144, Abstract Book p. 286, <http://www.4eccls.mke.org.hu/scientific-programme>.
 52. Ene A., (Bosneaga) Sion A., Determination of Microelemental Content of Metallurgical Materials Using Atomic and Nuclear Microanalytical Techniques, International Workshop Research Quality in Doctoral School, Increased Industrial and International Visibility, 13-14 July 2011, Galati, Poster P24, http://www.phd-expert.ugal.ro/SiteWorkshop2011/new_page_4.htm
 53. Ene A., (Bosneaga) Sion A., Georgescu L., Bogdevich O., Monitoring Techniques For Inorganic And Organic Pollutants In Soils Around An Integrated Iron And Steel Plant, International Workshop Research Quality in Doctoral School, Increased Industrial and International Visibility, 13-14 July 2011, Galati, Poster P25, http://www.phd-expert.ugal.ro/SiteWorkshop2011/new_page_4.htm
 54. Ene A., (Bosneaga) Sion A., Atomic and nuclear microanalytical techniques for the investigation of iron and steel materials, International Workshop Research Quality in Doctoral School, Increased Industrial and International Visibility, 13-14 July 2011, Galati, Invited Lecture, 13 July 2011, 15h00-15h20, Conference hall of Hotel Galati, 9th Floor, http://www.phd-expert.ugal.ro/SiteWorkshop2011/new_page_4.htm
 55. Lidia Benea, Maria Vlad, Antoaneta ENE, *Analysis of the Doctoral School at “Dunarea de Jos” University of Galati involved in PhD EXPERT project*, International Workshop Research Quality in Doctoral School, Increased Industrial and International Visibility, 13-14 July 2011, Galati, Invited Lecture, 13 July 2011, 11h40 -12h10, Conference hall of Hotel Galati, 9th Floor, http://www.phd-expert.ugal.ro/SiteWorkshop2011/new_page_4.htm
 56. Ene A., Frontasyeva M., Sion A., Combined XRF-NAA techniques for the quantification of trace elements in soils, 20th INTERNATIONAL SEMINAR on Interaction of Neutrons with Nuclei, dedicated to the memory of Ilia M. Frank and Fedor L. Shapiro, the founders of the laboratory of Neutron Physics. "Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics" ISINN-20, Alushta, Ukraine, May 21-26, 2012, Poster presentation (P100), 24.05., Abstracts of the Seminar, Dubna, JINR, 2012, ISBN 978-5-9530-0321-6, p. 36. <http://isinn.jinr.ru/>

57. Ene A., Pantelica A., Frontasyeva M., Cantaragiu A., Nuclear and imaging techniques used in material sciences, 20th INTERNATIONAL SEMINAR on Interaction of Neutrons with Nuclei, dedicated to the memory of Ilia M. Frank and Fedor L. Shapiro, the founders of the laboratory of Neutron Physics. "Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics" ISINN-20, Alushta, Ukraine, May 21-26, 2012, Poster presentation (P101), 24.05., Abstracts of the Seminar, Dubna, JINR, 2012, ISBN 978-5-9530-0321-6, p. 100. <http://isinn.jinr.ru/>
58. Ene A., Popescu I.V., Pantelica A., Moraru L., Analytical Applications of Instrumental Neutron Activation Analysis Technique in Industry, The 8th General Conference of Balkan Physical Union, 8th BPU8, 5 – 7 July 2012, Constanta, Romania; Section Nuclear Physics, Poster S1_P12, Book of Abstracts, p. 46-47, ISBN 978-606-598-181-2.
59. Pantelica A., Culicov O.A., Frontasyeva M. V., Ene A., Badita C.R., Elemental concentrations in root vegetables and host soil determined by Instrumental Neutron Activation Analysis (INAA), The 8th General Conference of Balkan Physical Union, 8th BPU8, 5 – 7 July 2012, Constanta, Romania; Section Nuclear Physics, Poster S1_P05, Book of Abstracts, p. 41-42, ISBN 978-606-598-181-2.
60. Popescu I.V., C. Stih, C. Radulescu, Gh.V.Cimpoca, A. Gheboianu, C. Oros, A. Ene, I.Bancuta, G. State, I. Dulama, Atomic and nuclear methods applied to the study of heavy metal pollution, The 8th General Conference of Balkan Physical Union, 8th BPU8, 5 – 7 July 2012, Constanta, Romania; Invited Lecture I29, 6 July 2012, Hall E7-Ovidius University of Constanta, (hours 11:00-13:30; third presentation 12:00-12:30), Book of Abstracts, p. 27, ISBN 978-606-598-181-2.
61. Moraru L., Moldovanu S., Ene A., Enhancing performance of image segmentation through feature extraction, The 8th General Conference of Balkan Physical Union, 8th BPU8, 5 – 7 July 2012, Constanta, Romania, Section Applied Physics, Poster S8_P24, Book of Abstracts, p. 143, ISBN 978-606-598-181-2.
62. Ene A., Pantelica A., Frontasyeva M., Sion A., Nuclear analytical techniques for the determination of trace elements in soils, 1st International Conference on Analytical Chemistry RO - ICAC'2012-Analytical Chemistry for a Better Life, 18-21 September 2012, Targoviste, Romania, Poster S4_P03, Book of Abstracts, Bibliotheca Publishing House, Targoviste, 2012, ISBN 978-973-712-705-1, pages 168-169. <http://www.icstm.ro/ICAC2012>
63. Ene A., Pantelica A., Popescu I. V., Cantaragiu A, Non-destructive nuclear and related analytical techniques for the determination of trace elemental composition of industrial materials, 1st International Conference on Analytical Chemistry RO - ICAC'2012-Analytical Chemistry for a Better Life, 18-21 September 2012, Targoviste, Romania, Poster S4_P02, Book of Abstracts, Bibliotheca Publishing House, Targoviste, 2012, ISBN 978-973-712-705-1, pages 166-167. <http://www.icstm.ro/ICAC2012>
64. Pantelica A., Frontasyeva M., Ene A., Ciortea C., Gugiu M., Ghita D., Elemental concentrations in tree leaves as trace element bioaccumulators in air pollution preventing determined by PIXE technique, Oral presentation at 1st International Conference on Analytical Chemistry RO - ICAC'2012-Analytical Chemistry for a Better Life, 18-21 September 2012, Targoviste, Romania, Book of Abstracts, Bibliotheca Publishing House, Targoviste, 2012, ISBN 978-973-712-705-1, pages 100-101. <http://www.icstm.ro/ICAC2012>
65. Antoaneta Ene, Constantin Gheorghies, Marina V. Frontasyeva, X-ray based techniques used in materials analysis and control, The 17th International conference NEW TECHNOLOGIES AND PRODUCTS IN MACHINE MANUFACTURING TECHNOLOGIES - Tehnomus XVII, 17-18 mai 2013, Suceava, Romania, Tehnomus Journal, p. 193-196. <http://www.tehnomus.usv.ro/>
66. Antoaneta Ene, Marina V. Frontasyeva, Applications of neutron activation analysis technique in element determination at trace level, The 17th International conference NEW TECHNOLOGIES AND PRODUCTS IN MACHINE MANUFACTURING TECHNOLOGIES - Tehnomus XVII, 17-18 mai 2013, Suceava, Romania, Tehnomus Journal, p. 165-171. <http://www.tehnomus.usv.ro/>
67. Ene Antoaneta, Frontasyeva M.V., Popescu I.V., Stih C., Ene Andreea, Drasovean R., Chelarescu E.D., Applications of INAA and X-ray based techniques for trace element analysis in materials and environmental sciences, 21st International Seminar on Interaction of Neutrons with Nuclei: Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics (ISINN-21), section "Nuclear and related analytical techniques in the environmental and material sciences", Alushta, Ukraine, May 20-25, 2013, Abstracts of the Seminar, Dubna JINR, 2013, p.31, ISBN 978-5-9530-0357-5 <http://isinn.jinr.ru/new-isinn/new-page.html>
68. Ene A., Frontasyeva V.M., Strelkova L.P., Pavlov S.S., Occurrence of heavy metals and other trace elements in industrially contaminated soils studied by neutron activation analysis, 21st International Seminar on Interaction of Neutrons with Nuclei: Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics (ISINN-21), section "Nuclear and related analytical techniques in the environmental and material sciences", Alushta, Ukraine, May 20-25, 2013, Abstracts of the Seminar, Dubna JINR, 2013, p.32, ISBN 978-5-9530-0357-5 <http://isinn.jinr.ru/new-isinn/new-page.html>
69. Popescu V. I, Frontasyeva M., Stih C., Ene A., Cucu-Man S., Todoran R., Culicov O., Zinicovscaia I., My Trinh, Pavlov S.S., Radulescu C., Chilian A., Gheboianu A., Bancuta R., Cimpoca Gh. V., Bancuta I., Dulama I., Toma L.G., Bucurica A., Dima G., Chelarescu E.D., Drasovean R., Sion A., Condurache-Bota S., Buhaceanu R., Tarcau D., Todoran D., Moss biomonitoring of air quality in Romania, 21st International Seminar on Interaction of Neutrons with Nuclei: Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics (ISINN-21), section "Nuclear and related analytical techniques in the environmental and material sciences", Alushta, Ukraine, May 20-25, 2013, Abstracts of the Seminar, Dubna JINR, 2013, p.67, ISBN 978-5-9530-0357-5 <http://isinn.jinr.ru/new-isinn/new-page.html>

70. Antoaneta Ene, Marina V. Frontasyeva, Neutron activation analysis for characterization of metallurgical and environmental materials, 25th International Nuclear Physics Conference INPC2013: 2-7 June 2013, Firenze, Italy. , *Book of Abstracts*, paper AP_013. <http://www.inpc2013.it/>
71. Popescu V. I, Frontasyeva M., Stihl C., Ene A., Cucu-Man S., Todoran R., Culicov O., Zinicovscaia I., My Trinh, Pavlov S.S., Radulescu C., Chilian A., Gheboianu A., Bancuta R., Cimpoa Gh. V., Bancuta I., Dulama I., Toma L.G., Bucurica A., Dima G., Chelarescu E.D., Drasovean R., Sion A., Condurache-Bota S., Buhaceanu R., Tarcau D., Todoran D., Moss biomonitoring of air quality in Romania, 13th International Balkan Workshop on Applied Physics (IBWAP 2013), Constanta, Romania, 4-6 July 2013, S5_P9, Section 5-Engineering and Industrial Physics, Book of Abstracts, p.129. <http://www.ibwap.ro/2013/uploads/letter/IBWAP2013.pdf>
72. Antoaneta Ene, Constantin Gheorghies, Oleg Ignatenko, Marina V. Frontasyeva, X-ray techniques for materials characterization, 13th International Balkan Workshop on Applied Physics (IBWAP 2013), Constanta, Romania, 4-6 July 2013, Poster S5_P08, Section 5-Engineering and Industrial Physics, Book of Abstracts, pp. 128-129. <http://www.ibwap.ro/2013/uploads/letter/IBWAP2013.pdf>
73. Antoaneta Ene, Analytical applications of neutron activation analysis in industrial engineering, 13th International Balkan Workshop on Applied Physics (IBWAP 2013), Constanta, Romania, 4-6 July 2013, Invited lecture S5_L11, Section 5-Engineering and Industrial Physics, Book of Abstracts, p. 121. http://www.ibwap.ro/2013/uploads/letter/program_IBWAP-2013-07-03.pdf, <http://www.ibwap.ro/2013/uploads/letter/IBWAP2013.pdf>
74. Antoaneta Ene, Viorel Munteanu, RADIOACTIVITY LEVELS OF ATMOSPHERIC AEROSOLS IN GALATI TOWN, EASTERN ROMANIA, 13th International Balkan Workshop on Applied Physics (IBWAP 2013), Constanta, Romania, 4-6 July 2013, Poster S5_P12, Section 5-Engineering and Industrial Physics, Book of Abstracts, pp. 131. <http://www.ibwap.ro/2013/uploads/letter/IBWAP2013.pdf>
75. Viorel Munteanu, Antoaneta Ene, MODELING OF GASEOUS POLLUTANT DISPERSION IN THE VICINITY OF AN INTEGRATED IRON AND STEEL WORKS, 13th International Balkan Workshop on Applied Physics (IBWAP 2013), Constanta, Romania, 4-6 July 2013, Poster S5_P11, Section 5-Engineering and Industrial Physics, Book of Abstracts, pp. 130-131. http://www.ibwap.ro/2013/uploads/letter/accepted_presentations_IBWAP.pdf
76. Oleg Bogdevich, Antoaneta Ene, Oleg Cadocinovic, Culighin Elena, The analysis of PAHs and POPs pollution sources in Low Danube region, 22nd International Symposium „Ecology & Safety”, Bulgaria, Sunny Beach, June 7-11, 2013. JOURNAL OF International Scientific Publications: Ecology&Safety, Volume 7, Part 2, 2013, pp 233-243. ISSN 1313-2563. <http://www.scientific-publications.net/open-access-journals/ecology-and-safety/>
77. Antoaneta Ene, Marina V. Frontasyeva, Neutron activation analysis as a tool for material and environmental research, EUROANALYSIS 2013, Warsaw, Poland, 25-29 August 2013, article ID 0324, Book of Abstracts, p.598, ISBN 978-83-7798-089-7. <http://www.euroanalysis2013.pl/>
78. C.Stihl, I.V.Popescu, M. V. Frontasyeva, C. Radulescu, A. Ene, S. Cucu-Man, R.Todoran, O Culicov, Moss biomonitoring of heavy metals atmospheric deposition in Romania, EUROANALYSIS 2013, Warsaw, Poland, 25-29 August 2013, article ID 0103, Book of Abstracts, p.201, ISBN 978-83-7798-089-7. <http://www.euroanalysis2013.pl/>
79. Alina Sion, Antoaneta Ene, Soil pollution evaluation for some pollutants in the Lower Prut meadow, Galati, Scientific Conference of Doctoral Schools from UDJ Galati (CSSD-UDJG 2013), First Edition, 16-17 May 2013, Poster 4.5, Book of Abstracts, p. 86; *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, FASCICLE II, YEAR V (XXXVI) 2013, 24-27.*
80. Alina Sion, Antoaneta Ene, Soil morphology and qualitative study using SEM-EDX technique, Scientific Conference of Doctoral Schools from UDJ Galati (CSSD-UDJG 2013), First Edition, 16-17 May 2013, Poster 4.4, Book of Abstracts, p. 85-86; *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, FASCICLE II, YEAR V (XXXVI) 2013, 28-31.*
81. Antoaneta Ene, Luminița Moraru, Emilian Dănilă, Liliana Cioară, Study of characteristic X-ray spectra induced in complex matrices by radioisotope and electron excitation, Scientific Conference of Doctoral Schools from UDJ Galati (CSSD-UDJG 2013), First Edition, 16-17 May 2013, Poster P4.1, Book of Abstracts, p. 83-84; *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, FASCICLE II, YEAR V (XXXVI) 2013, 40-43.*
82. Emilian Dănilă, Antoaneta Ene, Luminița Moraru, Adriana Danila, Liliana Cioară, Study of powder materials of Li-N system interpreted in terms of multifractal geometry, Scientific Conference of Doctoral Schools from UDJ Galati (CSSD-UDJG 2013), First Edition, 16-17 May 2013, Poster P4.6, Book of Abstracts, p. 86; *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, FASCICLE II, YEAR V (XXXVI) 2013, 44-48.*
83. Mirela Punga (Visan), Luminița Moraru, Antoaneta Ene, Emilian Dănilă, Performance of boundary detection algorithms on medical images, Scientific Conference of Doctoral Schools from UDJ Galati (CSSD-UDJG 2013), First Edition, 16-17 May 2013, Oral Presentation PO4.2, Book of Abstracts, p. 40-41; *Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, FASCICLE II, YEAR V (XXXVI) 2013, 12-15.*
84. Emilian Dănilă, Mirela Punga (Visan), Antoaneta Ene, Luminița Moraru, Adriana Dănilă, Automatisation of the diagnosis of portal and vascular problems of the liver, Scientific Conference of Doctoral Schools from UDJ Galati (CSSD-UDJG 2013), First Edition, 16-17 May 2013, Oral Presentation PO4.3, Book of Abstracts, p. 41; *Annals of the*

- University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, FASCICLE II, YEAR V (XXXVI) 2013, 49-52
85. Emilian Dănilă, Antoaneta Ene, Luminița Moraru, Adriana Dănilă, Mirela Punga (Visan), Land use change studied by means of multifractal geometry, Scientific Conference of Doctoral Schools from UDJ Galati (CSSD-UDJG 2013), First Edition, 16-17 May 2013, Oral Presentation PO4.4, Book of Abstracts, p. 41; Annals of the University Dunarea de Jos of Galati, Fascicle II - Mathematics, Physics, Theoretical Mechanics, FASCICLE II, YEAR V (XXXVI) 2013, 53-60
 86. E. Zubcov, N. Zubcov, L. Biletschi, N. Bagrin, A. Ene, The Main Issues in Assessing the Accumulation of Metals in Fish Ontogenesis 6thBLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY (6BBCAC), 10-14 SEPTEMBER 2013, Karadeniz Technical University, TRABZON, TURKEY, Poster P117, Book of Abstract, p.192, <http://www.6bbcac.org/>
 87. Antoaneta ENE, Viorel MUNTEANU, Assessment of water quality in Lower Danube region, 8th International Conference of Zoologists "Actual Problems of Protection and Sustainable Use of Animal World Diversity", Institute of Zoology, Academy of Sciences of Moldova, Chisinau, Republic of Moldova, 10-12 October 2013, Oral Presentation (IZ, Room 321, 1 Academiei St., hours 14:00-17:00), Section 3-Water Ecosystems: Methodology of Investigation, Monitoring, Evaluation of Threats, and Assessment of Risks, Program p. 8, Book of Abstract, Academy of Sciences of Moldova, 2013, p.210-211, ISBN 978-9975-66-361-8, <http://www.zoology.asm.md/page-32-0-ro.htm>, <http://zoology.asm.md/uploads/File/Conferinta%20Internationala%20a%20Zoologilor%202013/Materiale%20conf.pdf>
 88. Oleg Ignatenko, Antoaneta Ene, Marina Frontasyeva, Characterization of lithium nitride powder materials by combined analytical and imaging techniques, International Conference "Danube - Black Sea 3E – Energy, Environment & Efficiency Interdisciplinary Researches in the Danube and Black Sea Areas", 18-21 September 2013, Galati, Book of Abstracts, S1-11, p.34, ISBN 978-606-8348-82-7, http://www.iweee.ugal.ro/documente/Program_final.pdf
 89. Antoaneta Ene, Thomas Spanos, Environmetrics as a tool to evaluate soil organic pollutants analysis data, International Conference "Danube - Black Sea 3E – Energy, Environment & Efficiency Interdisciplinary Researches in the Danube and Black Sea Areas", 18-21 September 2013, Galati, Book of Abstracts, S2-03, p.41, ISBN 978-606-8348-82-7, http://www.iweee.ugal.ro/documente/Program_final.pdf
 90. Thomas Spanos, Antoaneta Ene, STUDY OF SEASONAL VARIATIONS OF TOXIC ELEMENTS CONTENT IN SEWAGE SLUDGE FROM WASTEWATER TREATMENT PLANTS, International Conference "Danube - Black Sea 3E – Energy, Environment & Efficiency Interdisciplinary Researches in the Danube and Black Sea Areas", 18-21 September 2013, Galati, Book of Abstracts, S2-26, p.65, ISBN 978-606-8348-82-7,
 91. Lucian P. Georgescu, Viorel Munteanu, Antoaneta Ene, Dan Mihai Georgescu, MANAGEMENT DECISION SUPPORT SYSTEM WITH AUTOMATIC WATER QUALITY MONITORING IN DANUBE RIVER GALATI, International Conference "Danube - Black Sea 3E – Energy, Environment & Efficiency Interdisciplinary Researches in the Danube and Black Sea Areas", 18-21 September 2013, Galati, Book of Abstracts, S3-21, p.89, http://www.iweee.ugal.ro/documente/Program_final.pdf
 92. Lucian P. Georgescu, Viorel Munteanu, Antoaneta Ene, CONTINUOUS MONITORING SYSTEM FOR ENVIRONMENTAL POLLUTION IN DANUBE RIVER GALATI, The Second International Conference "NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING, 28 -30 October 2013, Galati, Romania, Poster Paper P.45, <http://www.fimm.ugal.ro/teme/>
 93. I. Popescu, C. Stih, A. Ene, S. Cucu-Man, R. Todoran, C. Radulescu I.D. Dulama, A. Chilian, M.V. Frontasyeva, O. Culicov, I. Zinicovscaia, My Trinh, S.F. Gundorina, S.S. Pavlov, Atmospheric deposition of major and trace elements in Romania studied by NAA and AAS: moss survey 2010/2011, ICP Vegetation Task Force Meeting, 28-30 January, 2014. Paris, France, Programme and Abstracts p.70. <http://icpvegetation.ceh.ac.uk/publications/documents/Bookofabstracts2014.pdf>
 94. Daniela Rusu, Alina Cantaragiu, Constantin Gheorghies, Antoaneta Ene, Nistor Nicusor, Synthesis and characterization of some magnetic nano-wires by using anodized alumina sheet as template, 14th International Balkan Workshop on Applied Physics (IBWAP 2014), Constanta, Romania, 2-4 July 2014, Poster S1_P05, Section 1- Materials Physics, <http://www.ibwap.ro/2014/>
 95. Oleg Bogdevich, Dina Izmailova, Antoaneta Ene, Elena Culighin, Evaluation of trace metal background concentration in soil and sediments in Lower Prut wetlands, 14th International Balkan Workshop on Applied Physics (IBWAP 2014), Constanta, Romania, 2-4 July 2014, Poster S5_P01, Section 5-Engineering and Industrial Physics, <http://www.ibwap.ro/2014/>
 96. Elena Zubcov, Natalia Zubcov, Antoaneta Ene, Lucia Biletschi, Trace metals in fish from freshwater ecosystems of Lower Prut natural reserve, 14th International Balkan Workshop on Applied Physics (IBWAP 2014), Constanta, Romania, 2-4 July 2014, Poster S5_P04, Section 5-Engineering and Industrial Physics, <http://www.ibwap.ro/2014/>
 97. Antoaneta Ene, Marina V. Frontasyeva, Oleg Ignatenko, Constantin Gheorghies, Materials characterization using X-ray techniques, 14th International Balkan Workshop on Applied Physics (IBWAP 2014), Constanta, Romania, 2-4 July 2014, Poster S5_P09, Section 5-Engineering and Industrial Physics. <http://www.ibwap.ro/2014/>
 98. Antoaneta Ene, Yuriy Denga, Elena Zubcov, Oleg Bogdevich, Gamma radiation dose rates in lower Prut and Danube region, Sustainable use and protection of animal world diversity: International Symposium dedicated to 75th

- anniversary of Professor Andrei Munteanu, Chisinau, 30-31 October 2014, Section: Water ecology, <http://www.zoology.asm.md/page-40-103-ro.htm>
99. Daniela Cristina Ibănescu, Adina Popescu, Ion Vasilean, Antoaneta Ene, Analysis of the functional groups of the ichthyofauna in river Prut, Sustainable use and protection of animal world diversity: International Symposium dedicated to 75th anniversary of Professor Andrei Munteanu, Chisinau, 30-31 October 2014, Section: Water ecology, <http://www.zoology.asm.md/page-40-103-ro.htm>
 100. Adina Popescu, Daniela Cristina Ibanescu, Ion Vasilean, Antoaneta Ene, Preliminary aspects concerning qualitative structure of plankton from the Prut river, Sustainable use and protection of animal world diversity: International Symposium dedicated to 75th anniversary of Professor Andrei Munteanu, Chisinau, 30-31 October 2014, Section: Water ecology. <http://www.zoology.asm.md/page-40-103-ro.htm>
 101. Claudia Ungureanu, George Ifrim, Mihaela Turturica, Gabriela Bahrim, Antoaneta Ene, Chemical and microbiological analysis of water quality from Lower Danube region, Sustainable use and protection of animal world diversity: International Symposium dedicated to 75th anniversary of Professor Andrei Munteanu, Chisinau, 30-31 October 2014, Section: Water ecology <http://www.zoology.asm.md/page-40-103-ro.htm>
 102. Bulat Dumitru, Antoaneta Ene, Ion Toderaș, Elena Zubcov, Denis Bulat, Grigore Davideanu, Unele considerații preliminare cu privire la ihtiofauna invazivă aecosistemelor Dunării Inferioare și a Prutului Inferior, Sustainable use and protection of animal world diversity: International Symposium dedicated to 75th anniversary of Professor Andrei Munteanu, Chisinau, 30-31 October 2014, Section: Water ecology <http://www.zoology.asm.md/page-40-103-ro.htm>
 103. Kovalyshyna Svitlana, Denga Yuriy, Terenko Galina, Grandova Maria, Ene Antoaneta, Borodin Natalia, Shubernetski Igor, Jurminskaia Olga, On the state of the ecosystem of the lower Danube in June 2014, Sustainable use and protection of animal world diversity: International Symposium dedicated to 75th anniversary of Professor Andrei Munteanu, Chisinau, 30-31 October 2014, Section: Water ecology., <http://www.zoology.asm.md/page-40-103-ro.htm>
 104. Munjiu O., Zubcov E., Subernetkii I., Ene A., Biletchi L., Bogdevich O., Benthic macroinvertebrates of the lower Prut (2013 – 2014), Sustainable use and protection of animal world diversity: International Symposium dedicated to 75th anniversary of Professor Andrei Munteanu, Chisinau, 30-31 October 2014, Section: Water ecology., <http://www.zoology.asm.md/page-40-103-ro.htm>
 105. Luminita Moraru, Simona Moldovanu, Antoaneta Ene, Fresh-water ciliated protozoa and parasites recognition by image analysis, Sustainable use and protection of animal world diversity: International Symposium dedicated to 75th anniversary of Professor Andrei Munteanu, Chisinau, 30-31 October 2014, Section: Water ecology, <http://www.zoology.asm.md/page-40-103-ro.htm>
 106. Claudia Stihi, Ion V. Popescu, Marina Frontasyeva, Antoaneta Ene, Otilia Culicov, Cristiana Radulescu, Ioana Daniela Dulama, Moss Biomonitoring in Romania: Past, Present and Future, Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences “IC-ANMBES 2014”, June 13th-15th, 2014, Brasov, Romania, <http://icanmbes.unitbv.ro/>
 107. Thomas Spanos, Antoaneta Ene, Mitkidou Sofia, Pavlina Simeonova, 2015, Application of chemometric methods for assessment of groundwater quality data in Kavala Prefecture, Northern Greece, INTERNATIONAL CONFERENCE "New Frontiers in Environmental and Water Management", *SESSION III - Innovation in Water Management*, March 19-21, 2015, Kavala, GREECE, Book of Abstracts, p.18, <http://fewm.eu/>
 108. Thomas Spanos, Antoaneta Ene, Karadjova I., 2015, Monitoring of heavy metals in sewage sludge produced in Kavala and Drama wastewater treatment plants, Northern Greece, 1st International Scientific Conference on “Sustainable Solutions to Wastewater Management-Maximizing the Impact of Territorial Cooperation” (WASTENet), 19-21 June 2015, Kavala, Greece, Oral presentation B39, Session 9-Urban & Industrial WW Treatment Facilities, Booklet of Conference Abstracts, p.29, <http://wastenet2015.org/>, http://wastenet2015.org/?page_id=497
 109. Antoaneta Ene, Marina V. Frontasyeva, Oleg Ignatenko, SEM-EDX investigation of synthesized diamonds and lithium nitrides, 23rd International Seminar on Interaction of Neutrons with Nuclei: Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics (ISINN-23), *Poster*, section "Nuclear and related analytical techniques in the environmental and material sciences", Dubna, Russia, 25-29 May 2015, Abstracts of the Seminar, Dubna, JINR, p.33.
 110. Antoaneta Ene, Marina V. Frontasyeva, Oleg Ignatenko, Alina Cantaragiu, Investigation of synthesized diamonds, lithium and boron nitrides using SEM-EDX and XRD techniques, 15th International Balkan Workshop on Applied Physics (IBWAP 2015), Constanta, Romania, 2-4 July 2015, Poster S5_P33, Section 5-Engineering and Industrial Physics, Book of Abstracts, pp. 188-189.
 111. Oleg Bogdevich, Antoaneta Ene, Dina Izmailova, Elena Culighin, Oleg Cadocinicov , THE STUDY OF HEAVY METAL CONCENTRATIONS IN ENVIRONMENTAL SAMPLES FROM LOWER DANUBE EUROREGION, 15th International Balkan Workshop on Applied Physics (IBWAP 2015), Constanta, Romania, 2-4 July 2015, oral presentation, S5-O1, SECTION 5 Engineering and Industrial Physics, Book of Abstracts. p.142-143
 112. Ionelia Sandu, Liliana Irofte, Elena Bocioc, Gabriel Murariu, Lucian Georgescu, Antoaneta Ene, STATISTICAL ANALYSIS OF PHYSICAL AND CHEMICAL PARAMETERS OF THE WATER – WELL FORM THE GALATI COUNTY AREA Poster S5 P36, p.184
 113. O.V. Ignatenko, A.V. Konovalova, V.A. Komar, S. V. Leonchik, N. A. Shempel, Yu. V. Aleksiyenak, M.V. Frontasyeva, V. N. Shvetsov, A. Ene, A. Cantaragiu. Comparative characteristics of synthetic diamond powder obtained in systems Fe-Ni-C and Mn-Ni-C, Proceedings of the 2nd International Conference on Modern Applications

- of Nanotechnology, 6-8 May 2015, Minsk, Belarus, Poster P077, Program page 19, http://www.physics.by/e107_files/public/conferenceprogramm_2015final2222.pdf, <http://www.ibicn2.com/>
114. Игнатенко О.В., Коновалова А.В., Комар В.А., Леончик С.В., Шемпель Н.А., Алексеев Ю.В., Фронтасьева М.В., Швецов В.Н., А. Ене, А. Cantaragiu, Влияние состава ростовой системы на характеристики синтетических алмазных порошков. Сборник материалов международного симпозиума «Перспективные материалы и технологии», 27-29 мая 2015 г., г. Витебск, Беларусь. (Influence of the composition on characteristics of growth in the systems of synthetic diamond powders, International symposium "Promising Materials and Technologies", 27-29 May 2015, Vitebsk, Belarus) Poster no.74, <http://nic.vstu.by/mezhdunarodnyj-simpozium-perspektivnye-materialy-i-texnologii-g-vitebsk-27-29-maya-2015-goda/>, <http://vstu.by/ftpgetfile.php?id=1383&module=files>, <http://www.itanas.by/images/file/novosti/selection.pdf>,
 115. Ene, A., Zubcov, E., Bogdevich, O., Denga, Yu., Organization and conducting of ecological monitoring of the Lower Danube, International Conference "Environmental Challenges in Lower Danube Euroregion", Galati, 25-26 iunie, 2015, Invited Lecture IL1, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.7.
 116. Zubcov, E., Zubcov, N., Biletschi, L., Bagrin, N., Ene, A., Bogdevich, O., Denga, Y., Șova, S., Ciornea, V., Microelements (As, Pb, Ni, Cu, Zn, Mn) in waters of the Prut River, International Conference "Environmental Challenges in Lower Danube Euroregion" Galati, June 25-26, 2015, Invited Lecture IL2, Abstract Book p.9.
 117. Bulat. DM.; Bulat, DN.; Toderas, I.; Usafii, M.; Biletschi, L.; Ene, A.; Bogdevici, O.; Denga, Y. Ichthyofauna diversity of the Prut River and the major treats, International Conference "Environmental Challenges in Lower Danube Euroregion" 25-26 June, Galați, Romania 2015, Invited Lecture IL6, p. 18-19.
 118. Ștefan Dragomir, Antoaneta Ene, Study of water quality discharged into Danube River - Galati town area, International Conference "Environmental Challenges in Lower Danube Euroregion" 25-26 June, Galați, Romania 2015, Invited Lecture IL5.
 119. Popescu I.V., Frontasyeva M., Stih C., Ene A., Radulescu C., Culicov O., Cucu-Man S., 2015, Survey of atmospheric deposition of heavy metals in Romania by using moss biomonitoring, ICP Vegetation 28th Task Force Meeting, 3-5 February, 2015. Rome, Italy, Programme and Abstracts p.73. http://icpvegetation.ceh.ac.uk/events/tf_meetings.html <http://icpvegetation.ceh.ac.uk/publications/documents/Programmeandbookofabstracts28thICPVegetationTaskForcemeeting2015.pdf>
 120. Popescu I.V., Frontasyeva M., Stih C., Ene A., Radulescu C., Culicov O., Dulama I., Zinicovscaia I., Gheboianu A., Cucu-Man S., Todoran R., Bioindication of heavy metals atmospheric depositions in Romania, 23rd International Seminar on Interaction of Neutrons with Nuclei: Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics (ISINN-23), *Oral presentation*, section "Nuclear and related analytical techniques in the environmental and material sciences", Dubna, Russia, 25-29 May 2015, Abstracts of the Seminar, Dubna, JINR, p.69.
 121. S. Plăcintă, V. Cristea, A. Ene, M. Crețu, E. Bocioc, Ș. M. Petrea, THE DYNAMICS OF PHYSICO-CHEMICAL INDICATORS OF WATER IN LOWER PRUT FLOODPLAIN NATURAL PARK, International U.A.B.-B.En.A. Conference ENVIRONMENTAL ENGINEERING AND SUSTAINABLE PROTECTION OF ENVIRONMENT, 5th Edition, May 28-30, 2015, Alba Iulia, Romania, Poster P115, Book of Abstracts, p. 99, Aeternitas Publishing House, Alba Iulia, 2015, ISSN 2457-2829, p.139.
 122. S. Plăcintă, M. Crețu, V. Cristea, A. Ene, E. Bocioc, M. T. Coadă, THE PHYSICO-CHEMICAL CHARACTERIZATION OF WATER IN LOWER DANUBE REGION, International U.A.B.-B.En.A. Conference ENVIRONMENTAL ENGINEERING AND SUSTAINABLE PROTECTION OF ENVIRONMENT, 5th Edition, May 28-30, 2015, Alba Iulia, Romania, Poster P116, Book of Abstracts, p. 99, Aeternitas Publishing House, Alba Iulia, 2015, ISSN 2457-2829, p.140.
 123. Ene, A., Bogdevich, O., Denga, Yu., Zubcov, E., Quantification of heavy metals and trace elements in soils using XRF technique, International Conference "Environmental Challenges in Lower Danube Euroregion" Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.8.
 124. Ene, A., Zubcov, E., Bogdevich, O., Denga, Yu., Levels of gamma radiation dose rates in selected areas of Lower Danube Euroregion, International Conference "Environmental Challenges in Lower Danube Euroregion" Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.8.
 125. Bagrin, N.; Zubcov, E.; Biletschi, L.; Ene, A.; Ivanova, A.; Bogdevich, O.; Denga, Y., Main ions and mineralization of the Lower Prut waters on Gotesti-Giurgiulesti sector, International Conference "Environmental Challenges in Lower Danube Euroregion" Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.11.
 126. Ungureanu, L., Tumanova, D., Ungureanu, GH., Ene, A., Current state of phytoplankton in the Prut River lower sector, International Conference "Environmental Challenges in Lower Danube Euroregion" Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.26.
 127. Ungureanu, L., Tumanova, D., Ene, A., Phytoplankton state of Prut Lakes, International Conference "Environmental Challenges in Lower Danube Euroregion" Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.27.
 128. Subernetkii, I.; Negru, M.; Zubcov, E.; Ene, A.; Bogdevich, O.; Denga, Y., On the status of bacterioplankton in the Lower Prut and Danube rivers, International Conference "Environmental Challenges in Lower Danube Euroregion" Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.28.
 129. Jurminskaia, O., Shubernetskii, I., Lebedenco, L., Zubcov, E., Ene, A., Denga, Y., Bogdevich, O., Zooplankton investigations in aquatic ecosystems of Lower Danube Euroregion, International Conference "Environmental Chal-

- lenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.29.
130. Munjiu, O.; Toderaș, I.; Subernețkii, I.; Biletchi, L.; Ene, A.; Andreev, N.; Denga, Y., On the status of macrobenthic invertebrates populations from the Lower Danube, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.3
 131. Plăcintă, S., Cristea, V., Ene, A., Crețu, M., Bocioc, E., Coadă, M.T., Seasonal characterization of the physico-chemical parameters of Danube River water, Isaccea-Vilkovo sector, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.42.
 132. Ene, A., Circiumaru, A., Spatial variation of outdoor gamma radiation dose rates in selected locations of Cahul town, Republic of Moldova, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.16.
 133. Bogdevich, O., Ene, A., Cadocinovic, O., Culighin, E., Nicolau, E., Study of POPs polluted sites in Lower Prut region of Republic of Moldova, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.13
 134. Bogdevich, O., Ene, A., Cadocinovic, O., Culighin, E., Nicolau, E., PAHs analysis in soil and sediments from Lower Prut wetlands, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.14.
 135. Danila, E., Danila, A., Ene, A., Hahuie, V., Moraru, L., Using aerial images to identify changes in land coverage in Danube Delta, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.19.
 136. Moraru, L., Ene, A., Ciliated protozoa and parasites pattern recognition by image analysis in water samples, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.22.
 137. Ungureanu, C., Nita, A., Ene, A., Bahrim, G., Biostimulation the metabolic activity of the microorganisms involved in biodegradation of pharmaceutical residues in aquatic environments, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.22.
 138. Ungureanu, C., Turturica, M., Ene, A., Bahrim, G., Microbiological quality of water sampled from various sources in Lower Danube region, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.23.
 139. Gosav, S., Paduraru, N., Ene, A., Drasovean, R., Toxicological study on some chemical compounds using the molecular modeling and FTIR spectroscopy, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.24.
 140. Popescu, A., Vasilean, I., Ene, A., Preliminary aspects concerning the plankton qualitative structure in the Danube River, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.37.
 141. Ungureanu, C., Ifrim, G., Ene, A., Bahrim, G., Preliminary investigation on the chemical quality of water from Lower Danube region, Romanian part, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.39.
 142. Moraru, D., Georgescu, L., Ene, A., The lactic acid fermentation a method of obtaining vegetable products safe for human consumption, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.44.
 143. Spanos, T., Ene, A., Analysis of heavy metal content of sewage sludge from wastewater treatment plants, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.46.
 144. Ene, A., Spanos, T., Bogdevich, O., Evaluation of soil organic pollutants analysis data using multivariate statistical methods, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.46.
 145. Ene, A., Danila, E., Circiumaru, A., Gheorghies, C., Drasovean, R., Gosav, S., Dragomir, S., Bodor, M., Bria, V., Patrascu, N.D., Pascu, E., Gavrila, G., Slobodeniuc, A., Ariton, C., Stoleru, O., Ciobanu, S., Ene, A., Chirita, L., Sandu, I., Applications of gamma-rays spectrometry and nuclear dosimetry, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.47.
 146. Ene, A., Neculae, D., Study of heavy metals from atmospheric deposition using mosses as bioindicators, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.47.
 147. Ene, A., Bradler, A., Chirac, E., Soimu, D., Applications of atomic and nuclear spectrometric methods for water and soil analysis, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.48.

148. Drașovean, R., Gosav, S., Păduraru, N., Ene, A., Monitoring greenhouse gases in Romania, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.48.
149. Condurache-Bota, S., Ene, A., Pavelascu, G., Nuclear energy and radioactive pollution, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.49.
150. Condurache-Bota, S., Ene, A., Antohe, A.T., Condurache-Bota, G., Recent developments in air quality in Europe, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.49.
151. Condurache-Bota, S., Ene, A., Androni, C., Condurache-Bota, G., Greenhouse gases: trends worldwide from the EDGAR database, International Conference “*Environmental Challenges in Lower Danube Euroregion*” Galati, June 25-26, 2015, Abstract Book, Ed. Casa Cărții de Știință, Cluj, ISBN 978-606-17-0745-4, p.49.
152. Marius Bodor, Mugurel Enache, Ene Antoaneta, Vasile Bria, Alina Slobodeniuc, Cristina Ariton, Sergiu Ciobanu, Adrian Circumaru, Comparative Study of Noise Pollution between Galați City (Romania) and Cahul City (Republic of Moldova), The Third International Conference of Young Researchers “*New Trends in Environmental and Materials Engineering*” (TEME) 21 – 23 October 2015, GALAȚI, ROMANIA, Poster P55.<http://www.teme.ugal.ro/Program%20TEME%202015.pdf>
153. Ene A., Frontasyeva M. V., Neutron activation analysis and imaging techniques in Romania-JINR cooperation in material and life sciences, 24-th International Seminar on Interaction of Neutrons with Nuclei (ISINN-24), Dubna, Russian Federation, May 23-27, 2016, Oral presentation 31, Abstracts of the seminar, JINR, p.35, 2016, ISBN 978-5-9530-0441-1.
154. Ene A., Frontasyeva M. V., Strelkova L.P., Pavlov S.S., Basliu V., Assessment of heavy metals and other trace elements in soils around iron and steel industry by neutron activation analysis and X-ray fluorescence, 24-th International Seminar on Interaction of Neutrons with Nuclei (ISINN-24), Dubna, Russian Federation, May 23-27, 2016, Poster presentation 10, Abstracts of the seminar, JINR, p.36, 2016, ISBN 978-5-9530-0441-1.
155. Ene A., Frontasyeva M. V., Neutron Activation Analysis as a Tool for Environmental and Materials Research, *IC-ANMBES 2016 – June 29-July 1, 2016, Brasov, Romania, Contributed Talk O17*, Book of Abstracts, Transilvania University Press, p. 66, 2016, ISSN 2360-3461.
156. Claudia Stih, Ion V. Popescu, Marina Frontasyeva, Cristiana Radulescu, Antoaneta Ene, Otilia Culicov, Inga Zinicovscaia, Ioana Daniela Dulama, Simona Cucu-Man, Radu Todoran, Anca Gheboianu, Iulian Bancuta, Gabriel Dima, Alin Bucurica, Heavy Metal Air Pollution Study in Romania Using Moss Biomonitoring together with NAA and AAS Analytical Techniques, *IC-ANMBES 2016 – June 29-July 1, 2016, Brasov, Romania, Invited Talk I7*, Book of Abstracts, Transilvania University Press, p. 65, 2016, ISSN 2360-3461.
157. Elena Zubcov, Antoaneta Ene, Victor Ciornea, Lucia Bilețchi, Natalia Zubcov, The Study of Metal Migration in the Aquatic Environment, *IC-ANMBES 2016 – June 29-July 1, 2016, Brasov, Romania, Section Atomic and nuclear Methods, Poster PNa2*, Book of Abstracts, Transilvania University Press, 2016, ISSN 2360-3461, p.153.
158. Cucu-Man S.M, Culicov O.A., Frontasyeva M., Ene A., Steinnes E., Challenges and opportunities in biomonitoring atmospheric trace element depositions. A case study in Eastern Romania, The 29th Task Force Meeting of the UNECE ICP Vegetation for Europe Convention on Long-Range Transboundary Air Pollution, February 29 - March 4, 2016, Dubna, Russian Federation, Programme and abstracts, Dubna, JINR, 2016, p.46, ISBN 978-5-9530-0433-6 .
159. Stih C., Popescu I.V., Frontasyeva M., Radulescu C., Ene A., Culicov O., Cucu-Man S., Todoran R., MOSS SURVEY 2010 IN ROMANIA. RESULTS AND PERSPECTIVES, The 29th Task Force Meeting of the UNECE ICP Vegetation for Europe Convention on Long-Range Transboundary Air Pollution, February 29 - March 4, 2016, Dubna, Russian Federation, Programme and abstracts, Dubna, JINR, 2016, p.82, ISBN 978-5-9530-0433-6.
160. Oleg Bogdevich, Antoaneta Ene, Oleg Cadocinicov, Elena Culighin, Elena Nicolau, Marina Grigoras, The study of POPs contaminated sites in Danube River basin of Republic Moldova for risk assessment and remediation actions, International Conference Contaminated sites 2016, Bratislava, 12–13 September 2016.
161. V. Pintilie, L.P. Georgescu, L. Moraru, A. Ene, C. Iticescu, NATURAL RADIOACTIVITY IN DRINKING WATER FROM GALATI AND VRANCEA AREAS, ROMANIA, The Fourth International Conference on Radiation and Applications in Various Fields of Research (RAD 2016), Niš, Serbia, May 23 - 27, 2016, Paper RAD4-135, Oral presentation, Section 25-Radiochemistry and Radiation Chemistry, Book of Abstracts, University of Niš, ISBN 978-86-6125-160-3, p. 384.. http://www.rad-conference.org/rad2016/title_list.php , <http://www.rad-conference.org/books.php>
162. Antoaneta Ene, Ana Pantelica, Elena Zubcov, Oleg Bogdevich, Yuriy Denga, Dan Gabriel Ghita, Using Ion beam Analysis as a Complement of XRF, AAS and ICP-OES in Environmental Studies, *Invited Lecture I.L.4.1*, Scientific Conference of Doctoral Schools from University Dunarea de Jos of Galati, Fourth Edition, Galati, 2-3 June 2016, Section IV. Advanced investigation methods in environment and biohealth, Book of Abstracts, pg.24-25.
163. Antoaneta Ene, Marina V. Frontasyeva, A. Cantaragiu, V. Pintilie, E. Pascu, D. Soimu, E. Chiriac, V. Coguteac, A. Buliga, M. Tobol , Nuclear and X-ray Methods used in Environmental and Material Science, Oral presentation OP4.2, Scientific Conference of Doctoral Schools from University Dunarea de Jos of Galati, Fourth Edition, Galati, 2-3 June 2016, Book of Abstracts, pg.48-49.

164. V. Pintilie, A. Ene, L.P. Georgescu, L. Moraru, Monitoring of gross alpha and beta activity in drinking water from Galati during 2013-2014, Scientific Conference of Doctoral Schools from University Dunarea de Jos of Galati, Fourth Edition, Galati, 2-3 June 2016, Oral presentation OP4.3, Book of Abstracts, pg.49.
165. Thomas Spanos, Antoaneta Ene, Management of biological sludge from different wastewater treatment plants in Greece, Scientific Conference of Doctoral Schools from University Dunarea de Jos of Galati, Fourth Edition, Galati, 2-3 June 2016, Oral presentation OP4.7, Book of Abstracts, pg.51-52.
166. Ene A., Frontasyeva M. V., Neutron activation analysis and X-ray based techniques used in material science and environmental studies, IBWAP2016 Constanta 7-9 July 2016, Oral presentation S3O12, Book of Abstracts, Ovidius University Press, Constanta, 2016, ISSN 2501-9058, pp.110-111.
167. Violeta PINTILIE, Antoaneta ENE, Lucian Puiu GEORGESCU, Oana ANDREI, ASSESSMENT OF EFFECTIVE DOSE FROM NATURAL RADIONUCLIDES INTAKE THROUGH BREAD, IBWAP2016 Constanta 7-9 July 2016, Poster S3P01, Book of Abstracts, Ovidius University Press, Constanta, 2016, ISSN 2501-9058, p. 113.
168. Violeta PINTILIE, Antoaneta ENE, Lucian Puiu GEORGESCU, Luminita Moraru, NATURAL RADIONUCLIDES IN DIET AND THEIR EFFECTIVE DOSE, IBWAP2016 Constanta 7-9 July 2016, Poster S3P04, Book of Abstracts, Ovidius University Press, Constanta, 2016, ISSN 2501-9058, p. 115.
169. Oleg Bogdevich, Antoaneta Ene, Elena Culighin, Oleg Cadocinicov, Dina Izmailova, Elena Nicolau, Marina Grigoras, Heavy metal analysis in different environmental samples from Lower Danube Euroregion, S5P12, Book of Abstracts, Ovidius University Press, Constanta, 2016, ISSN 2501-9058, p. 169.
170. Antoaneta ENE, Ana PANTELICĂ, Dan Gabriel GHIȚĂ, Andreea MITU, PIXE-PIGE TECHNIQUES USED IN ENVIRONMENTAL STUDIES, IBWAP2016 Constanta 7-9 July 2016, S3P02, Book of Abstracts, Ovidius University Press, Constanta, 2016, ISSN 2501-9058, p. 113-114.
171. Antoaneta Ene, MEASUREMENTS OF ENVIRONMENTAL RADIOACTIVITY IN LOWER DANUBE REGION, Oral presentation, Section 3. Water ecosystems: methodology of investigation, monitoring, evaluation of threats, and assessment of risks, 9th International Conference of Zoologists, "SUSTAINABLE USE, PROTECTION OF ANIMAL WORLD AND FOREST MANAGEMENT IN THE CONTEXT OF CLIMATE CHANGE", 12-13 October 2016, Chisinau, Institute of Zoology, Academy of Sciences of Moldova, ISBN 978-9975-3022-7-2, pp.203-204.
172. Antoaneta Ene, Ana Pantelica, Elena Zubcov, Oleg Bogdevich, Yuriy Denga, Marina V. Frontasyeva, Thomas Spanos, NUCLEAR AND ATOMIC ANALYTICAL TECHNIQUES FOR ELEMENT ANALYSIS IN VARIOUS ENVIRONMENTAL MATRICES, Oral presentation, Section 3. Water ecosystems: methodology of investigation, monitoring, evaluation of threats, and assessment of risks, 9th International Conference of Zoologists, "SUSTAINABLE USE, PROTECTION OF ANIMAL WORLD AND FOREST MANAGEMENT IN THE CONTEXT OF CLIMATE CHANGE", 12-13 October 2016, Chisinau, Institute of Zoology, Academy of Sciences of Moldova, ISBN 978-9975-3022-7-2, pp.205-206.
173. Thomas Spanos, Antoaneta Ene, MULTIVARIATE ANALYSIS IN WATER SAMPLES USING INDUCTIVELY COUPLED PLASMA - MASS SPECTROMETRY (ICP-MS), Oral presentation, Section 3. Water ecosystems: methodology of investigation, monitoring, evaluation of threats, and assessment of risks, 9th International Conference of Zoologists, "SUSTAINABLE USE, PROTECTION OF ANIMAL WORLD AND FOREST MANAGEMENT IN THE CONTEXT OF CLIMATE CHANGE", 12-13 October 2016, Chisinau, Institute of Zoology, Academy of Sciences of Moldova, ISBN 978-9975-3022-7-2, p. 225.
174. Elena Zubcov, Natalia Zubcov, Ryszard Kolman, Lucia Biletchi, Antoaneta Ene, Oleksii Khudyi, IDENTIFICATION OF FISH TOLERANCE – NEW DIRECTION IN AQUACULTURE, Section 3. Water ecosystems: methodology of investigation, monitoring, evaluation of threats, and assessment of risks, 9th International Conference of Zoologists, "SUSTAINABLE USE, PROTECTION OF ANIMAL WORLD AND FOREST MANAGEMENT IN THE CONTEXT OF CLIMATE CHANGE", 12-13 October 2016, Chisinau, Institute of Zoology, Academy of Sciences of Moldova, ISBN 978-9975-3022-7-2, p. 240.
175. F. Sloata, A. Ene, XRF Analysis of Mercury in Highly Contaminated Soils from a Former Chlor-Alkali Plant in Romania, Invited Conference IC4.1, Scientific Conference of Doctoral Schools from University Dunarea de Jos of Galati, Fifth Edition, Galati, 8-9 June 2017, Book of Abstracts, pp.24-25.
176. V. Pintilie, A. Ene, L.P. Georgescu, D.I. Moraru, O. Andrei, Determination of the concentrations of ^{210}Po , ^{210}Pb , ^{226}Ra , ^{238}U in tap water and estimation of the related radiation dose, Oral presentation OP.4.1, Scientific Conference of Doctoral Schools from University Dunarea de Jos of Galati, Fifth Edition, Galati, 8-9 June 2017, Book of Abstracts, pp.54-55.
177. Antoaneta Ene, Violeta Pintilie, Dana Iulia Moraru, Lucian Puiu Georgescu, Oana Andrei, Measurements of trace element (Li, Na, K, Mg, Al, Cr, Mn, Fe, Co, Ni, Cu, Zn, Cd, Ag, Pb) concentrations in food supplements, Poster presentation PP4.3., Scientific Conference of Doctoral Schools from University Dunarea de Jos of Galati, Fifth Edition, Galati, 8-9 June 2017, Book of Abstracts, p.128.
178. Florin Sloata, Antoaneta Ene, Diana Catalina Stroia, High Efficiency Analytical Method for the Determination of Polychlorinated Biphenyls (PCBs) Concentration in Industrial Electrical Equipment, Poster PP.4.4, Scientific Conference of Doctoral Schools from University Dunarea de Jos of Galati, Fifth Edition, Galati, 8-9 June 2017, Book of Abstracts, p.129.
179. Antoaneta Ene, Elena Zubcov, Oleg Bogdevich, Thomas Spanos, Ana Pantelica, Claudia Stihi, Marina V. Frontasyeva, Yuriy Denga, Liliana Teodorof, Adrian Burada, Advanced Analytical Spectroscopic Techniques for Trace Elemental Analysis of Environmental and Biological Samples, Poster PP.4.5, Scientific Conference of Doctoral

- Schools from University Dunarea de Jos of Galati, Fifth Edition, Galati, 8-9 June 2017, Book of Abstracts, pp.130-131.
180. Antoaneta Ene, Marina V. Frontasyeva, Alina Ceoromila, Steluta Gosav, Marius Bodor, Oleg Ignatenko, Nuclear, Atomic and Related Techniques for the Investigation of Microstructure and Impurity Composition of Diamonds and Boron Nitrides, Poster PP.4.6, Scientific Conference of Doctoral Schools from University Dunarea de Jos of Galati, Fifth Edition, Galati, 8-9 June 2017, Book of Abstracts, pp.131-132.
 181. Cristina Despina, Liliana Teodorof, Adrian Burada, Daniela Secleanu-Odor, Mihaela Tiganus, Iuliana-Mihaela Tudor, Orhan Ibram, Cosmin Spiridon, Aurel Nastase, George Tiganov, Antoaneta Ene, Danube Delta Biosphere Reserve - ten years of toxic substances monitoring, Poster PP.4.14, Scientific Conference of Doctoral Schools from University Dunarea de Jos of Galati, Fifth Edition, Galati, 8-9 June 2017, Book of Abstracts, pp.136-137.
 182. Alina Sion, Antoaneta Ene, Zinc solubility determined in industrial soils, Poster PP.4.16, Scientific Conference of Doctoral Schools from University Dunarea de Jos of Galati, Fifth Edition, Galati, 8-9 June 2017, Book of Abstracts, p.138.
 183. Ene A., Frontasyeva M. V., Ana Pantelica, Combined nuclear techniques for trace element analysis in environmental and material science, IBWAP2017, Constanta 11-14 July 2017, Poster presentation S3P13, Book of Abstracts, Ovidius University Press, Constanta, 2017, Issue 17, ISSN 2501-9058, pp.116-117.
 184. Antoaneta Ene, Steluta Gosav, Marina V. Frontasyeva, Application of ATR-FTIR spectroscopy technique for the analysis of boron nitrides, 17th International Balkan Workshop on Applied Physics and Materials Science (IBWAP2017), 11-14 July 2017, Constanta, Romania, Poster presentation S5P38, Book of Abstracts, Ovidius University Press, Constanta, 2017, Issue 17, ISSN 2501-9058, p.177.
 185. Violeta Pintilie, Antoaneta Ene, Lucian Puiu Georgescu, Oana Andrei, The evaluation of the gross alpha and the gross beta activities from foodstuffs, IBWAP2017, Constanta 11-14 July 2017, Poster presentation S3P6, Book of Abstracts, Ovidius University Press, Constanta, 2017, Issue 17, ISSN 2501-9058, pp.110-111.
 186. Violeta Pintilie, Antoaneta Ene, Lucian Puiu Georgescu, Dana Iulia Moraru, Oana Andrei, Determination of natural radionuclides in milk, 17th International Balkan Workshop on Applied Physics and Materials Science (IBWAP2017), 11-14 July 2017, Constanta, Romania, Poster presentation S3P7, Book of Abstracts, Ovidius University Press, Constanta, 2017, Issue 17, ISSN 2501-9058, p.111.
 187. Steluta Gosav, Antoaneta Ene, Magdalena Aflori, Discrimination of plant fossils using ATR-FTIR, XRD and chemometric methods, 17th International Balkan Workshop on Applied Physics and Materials Science (IBWAP2017), 11-14 July 2017, Constanta, Romania, Poster presentation S5P37, Book of Abstracts, Ovidius University Press, Constanta, 2017, Issue 17, ISSN 2501-9058, pp.176-177.
 188. Alina Sion, Antoaneta Ene, Sequential chemical extraction of copper from clay: An overview, 17th International Balkan Workshop on Applied Physics and Materials Science (IBWAP2017), 11-14 July 2017, Constanta, Romania, Poster presentation S5P44, Book of Abstracts, Ovidius University Press, Constanta, 2017, Issue 17, ISSN 2501-9058, pp.181-182.
 189. Ene A., Frontasyeva M.V., Stih C., Pantelica A., Sloata F., Determination of major and trace elements in soils around industrial facilities in Romania using nuclear and related techniques, 25th International Seminar on Interaction of Neutrons with Nuclei (ISINN-25), Dubna, Russian Federation, May 22-26, 2017, Poster presentation 14, Abstracts of the seminar, JINR, p.40, 2017, ISBN 978-5-9530-0468-8.
 190. Ene A., Frontasyeva M.V., Ceoromila A., Nuclear and atomic analytical techniques and imaging microscopy used for the investigation of advanced functional materials, 25th International Seminar on Interaction of Neutrons with Nuclei (ISINN-25), Dubna, Russian Federation, May 22-26, 2017, Poster presentation 15, Abstracts of the seminar, JINR, p.41, 2017, ISBN 978-5-9530-0468-8.
 191. Stih C., Ene A., Radulescu C., Dulama D., Iacoban C., Frontasyeva M.V., Culicov O., Zinicovscaia I., Chelarescu E.D., Study of air pollution with toxic elements in industrial areas from South and South-Eastern parts of Romania, 25th International Seminar on Interaction of Neutrons with Nuclei (ISINN-25), Dubna, Russian Federation, May 22-26, 2017, Poster presentation 55, Abstracts of the seminar, JINR, p.87, 2017, ISBN 978-5-9530-0468-8.
 192. Stih C., Ene A., Radulescu C., Dulama D., Iacoban C., Frontasyeva M.V., Culicov O., Zinikovscaia I., Temporal trends of metal concentrations in mosses collected in Romania in 2010 and 2015, The 30th Task Force Meeting of the UNECE ICP Vegetation for Europe Convention on Long-Range Transboundary Air Pollution, 14 – 17 February 2017, Poznan, Poland, Programme and abstracts, 2017, p.75.
 193. Antoaneta Ene, Marina Frontasyeva, Florin Sloata, Luminita Moraru, Sergey Pavlov, Major and trace elements in soils around iron and steel industry facilities, Fifth International Conference on Radiation and Applications in Various Fields of Research (RAD 2017), Budva, Montenegro, June 12-16, 2017, Book of Abstracts, p. 88, ISBN 978-86-80300-02-3.
 194. Florin Sloata, Antoaneta Ene, Mercury in highly contaminated soils from a derelict chlor-alkali plant, Fifth International Conference on Radiation and Applications in Various Fields of Research (RAD 2017), Budva, Montenegro, June 12-16, 2017, Book of Abstracts, p. 89, ISBN 978-86-80300-02-3.
 195. Violeta Pintilie, Lucian Puiu Georgescu, Antoaneta Ene, Gross alpha and gross beta activities from natural supplements, Fifth International Conference on Radiation and Applications in Various Fields of Research (RAD 2017), Budva, Montenegro, June 12-16, 2017, Book of Abstracts, p. 221, ISBN 978-86-80300-02-3.
 196. Luminita Moraru, Lucian Traian Dimitrievici, Antoaneta Ene, Simona Moldovanu, MAGNETIC FIELD GRADIENTS AND THEIR EFFECTS ON THE DIFFUSION TENSOR DERIVATE MEASURES, Fifth

International Conference on Radiation and Applications in Various Fields of Research (RAD 2017), Budva, Montenegro, June 12-16, 2017, Book of Abstracts, p. 103, ISBN 978-86-80300-02-3.

197. Violeta Pintilie, Dana Iulia Moraru, Lucian Puiu Georgescu, Antoaneta Ene, The evaluation of the gross radioactivity from the meat samples, 8TH INTERNATIONAL SYMPOSIUM Euroalimint 2017 - Mutatis mutandis in food, Galati, September 7-8, 2017, Poster P2.39, Book of Abstracts, Galati University Press, 2017, pp. 128-129, ISSN 1843-5114.

7. Articole publicate în volume ale conferințelor naționale cu participare internațională

1. Ivanescu, Al., Ene, A., Cananau, N., Macuta, S., 2003, Mathematical model of the LD steel deoxidation kinetics with manganese and aluminium, The Annual Symposium of the Institute of Solid Mechanics, SISOM 2003, Bucharest, May 15-16, Session 2, paper 6R, 57-62.
2. Nat, A., Ene, A., 2005, On the application of instrumental fast neutron activation analysis (FNAA) for the determination of gold in auriferous sands, National Conference on Applied Physics, June 3-4, Galați, Section V – Nuclear Physics, Abstract Book ISBN 973-627-228-1, p. 32-33.
3. Nat, A., Ene, A., 2005, Study of nuclear interferences in 14 MeV neutron activation analysis for alkali determination in raw materials used in ironmaking, National Conference on Applied Physics, June 3-4, Galati, Section V – Nuclear Physics, Abstract Book ISBN 973-627-228-1, p. 33.
4. Nat, A., Ene, A., Nat, N., Daraban, L., Nat, R., 2000, Study of reaction interferences in gold determination from alluvial sands by fast neutron activation analysis, National Physics Conference, Constanta, September 21- 23, NPC-Paper Abstracts, Oral presentation O5-SB, p.15.
5. Nat, A., Ene, A., Nat, N., Daraban, L., Nat, R., 2000, Determination of gold in alluvial sands, auriferous rocks and concentrates by fast neutron activation analysis, National Physics Conference, Constanta, September 21- 23, NPC-Paper Abstracts, Poster P3-S3, p.17.
6. Ene, A., Popescu, I.V., Badica, T., Besliu, C., 2005, Comparative study of PIGE, PIXE and NAA analytical techniques for the determination of minor elements in steels, 14th National Conference on Physics, CNF 2005, September 13-17, 2005, Bucharest, Romania, Section 3 – Nuclear physics (Poster session), S3P1, Abstracts-volume I, p. 26, ISBN 973-718-304-5.
7. Ene, A., Popescu, I.V., Badica, T., 2005, Determination of light elements in steel using particle-induced prompt gamma ray emission, 14th National Conference on Physics, CNF 2005, September 13-17, 2005, Bucharest, Romania, Section 3 – Nuclear physics (Poster session), S3P2, Abstracts-volume I, p.27, ISBN 973-718-304-5.
8. Ene, A., 2006, PIGE-DIGE determination of carbon in steel samples, National Conference on Applied Physics, 2nd edition, June 9-10, Galati, Section 10 – Applied Atomic and Nuclear Physics, paper 10.7, Oral presentation, Abstract Book ISBN 973-627-311-3 ; ISBN 978-973-627-311-7, p. 51.
9. Ene, A., Popescu, I.V., Badica, T., 2006, Capabilities of PIXE technique for the determination of minor constituents of steel, National Conference on Applied Physics, 2nd edition, June 9-10, Galati, Section 10 – Applied Atomic and Nuclear Physics, paper 10.8, Oral presentation, Abstract Book ISBN 973-627-311-3 ; ISBN 978-973-627-311-7, p. 52.
10. Nat, A., Ene, A., 2006, A procedure for optimal determination of gold in alluvial sands by 14 MeV neutron activation analysis, National Conference on Applied Physics, 2nd edition, June 9-10, Galati, Section 10 – Applied Atomic and Nuclear Physics, paper 10.5, Oral presentation, Abstract Book ISBN 973-627-311-3 ; ISBN 978-973-627-311-7, p. 51.
11. Nat, A., Ene, A., 2006, 14 MeV neutron activation analysis of alkali in ores used in iron and steel industry, National Conference on Applied Physics, 2nd edition, June 9-10, Galati, Section 10 – Applied Atomic and Nuclear Physics, paper 10.6, Oral presentation, Abstract Book ISBN 973-627-311-3 ; ISBN 978-973-627-311-7, p. 51.
12. Ene, A., Ivanescu L., Ivanescu Al., 2006, On the utilization of blast furnace gas in a proportion of 100% for the cowpers heating, National Conference on Applied Physics, 2nd edition, June 9-10, Galati, Section 2 – Thermodynamics and heat. Thermotechnical applications, paper 2.6, Oral presentation, Abstract Book ISBN 973-627-311-3 ; ISBN 978-973-627-311-7, p. 21.
13. Ivanescu L., Ivanescu Al., Ene, A., 2006, Study of the possibility of fuel economy achievement at the heat treatment furnaces of the steel moulded pieces, National Conference on Applied Physics, 2nd edition, June 9-10, Galati, Section 2 – Thermodynamics and heat. Thermotechnical applications, paper 2.7, Oral presentation, Abstract Book ISBN 973-627-311-3; ISBN 978-973-627-311-7, p. 21.
14. Ivanescu L., Ivanescu Al., Ene, A., 2006, Improvement of the electric furnaces energetic efficiency by using exothermal mixtures, National Conference on Applied Physics, 2nd edition, June 9-10, Galati, Section 2 – Thermodynamics and heat. Thermotechnical applications, paper 2.8, Oral presentation, Abstract Book ISBN 973-627-311-3 ; ISBN 978-973-627-311-7, p. 21.
15. Nistor Cristea, L., Ene, A., Drasovean, R., 2006, On the possibility of using the slags from iron and steel industry in road construction from the point of view of their physical-mechanical properties, National Conference on Applied Physics, 2nd edition, June 9-10, Galati, Section 4 – Physico-chemical methods of analysis and control, paper 4.11, Oral presentation, Abstract Book ISBN 973-627-311-3 ; ISBN 978-973-627-311-7, p. 26.
16. Antoaneta Ene, I.V. Popescu, T. Badica, Claudia Stihi, Anca Gheboianu, M. Gugiu, V. Ghisa, I. Bancuta, G. Dima, 2007, Analytical applications of PIXE technique, National Conference on Applied Physics, 3rd Edition, Galati, 15-16 June 2007, Invited Lecture L5, Editura Fundației Universitare „Dunărea de Jos” din Galați, ISBN 978-973-627-376-6, p.16.

17. V.Ghişa, I.V.Popescu, M. Belc, A. Ene, 2007, 3rd National Conference on Applied Physics, Galati 15-16 June 2007, S3.O2. A X-ray fluorescence technique study applied on some Roman brooches discovered at Tomis, Constanta, Editura Fundației Universitare „Dunărea de Jos” din Galați, ISBN 978-973-627-376-6, p.26
18. V.Ghişa, I.V.Popescu, M. Belc, A. Ene, 2007, 3rd National Conference on Applied Physics, Galati 15-16 June 2007, S3.O3. AAS study on different types of tool traces in some ancient symbols, discovered at Sinca Veche temple, Romania, Editura Fundației Universitare „Dunărea de Jos” din Galați, ISBN 978-973-627-376-6, p.26
19. A. Ene, I.V. Popescu, T. Badica, 2007, 3rd National Conference on Applied Physics, Galati 15-16 June 2007, S3.O5. *DIGE* analysis of oxygen in steels, Editura Fundației Universitare „Dunărea de Jos” din Galați, ISBN 978-973-627-376-6, p.27
20. A.Nat, A. Ene, 2007, 3rd National Conference on Applied Physics, Galati 15-16 June 2007, S3.O6. Necessary corrections in quantitative determination of gold in auriferous sands and concentrates by fast neutron activation analysis, Editura Fundației Universitare „Dunărea de Jos” din Galați, ISBN 978-973-627-376-6, p.27
21. A.Ene, V. Diaconu, A. Boşneagă, T. Simionescu, 2007, 3rd National Conference on Applied Physics, Galati 15-16 June 2007, S3.O7. Analytical use of *XRF* technique and X-ray attenuation in metallurgical industry, Editura Fundației Universitare „Dunărea de Jos” din Galați, ISBN 978-973-627-376-6, P.28
22. C.Stihi, I. V. Popescu, V. Cimpoca, S. Apostol, G. Dima, C. Oros, S. Dinu, Gh. Vlaicu, A. Ene, 2007, 3rd National Conference on Applied Physics, Galati 15-16 June 2007, S6.O3. Total dissolved solids measurements of water quality, Editura Fundației Universitare „Dunărea de Jos” din Galați, ISBN 978-973-627-376-6, p.45
23. Antoaneta Ene, L. Palade, I. Cerchez, D.C. Radu, Andreea Ene, 2007, 3rd National Conference on Applied Physics-Book of Abstracts, Galati 15-16 June 2007, S3.P1. Analysis of some aqueous solutions and binary alloys using beta backscattering technique, Editura Fundației Universitare „Dunărea de Jos” din Galați, ISBN 978-973-627-376-6, p.28
24. A. Ene, C. Nenişescu, C. Mardare, 2007, 3rd National Conference on Applied Physics, Galati 15-16 June 2007, S3.P2. Applications of gamma spectrometry using scintillation detectors, Editura Fundației Universitare „Dunărea de Jos” din Galați, ISBN 978-973-627-376-6, p.29
25. Antoaneta Ene, S. Costin, L. Gheorghită, Andreea Ene, 2007, 3rd National Conference on Applied Physics-Book of Abstracts,, Galati 15-16 June 2007, S3.P3. Laboratory applications of gamma rays attenuation, Editura Fundației Universitare „Dunărea de Jos” din Galați, ISBN 978-973-627-376-6, p.29
26. Ene A., S. Pavel, M. Simion, S. Tatu, 2007, 3rd National Conference on Applied Physics, Galati 15-16 June 2007, S3.P4. Study of spectral and nuclear interferences in *pige* analysis of steel matrix, Editura Fundației Universitare „Dunărea de Jos” din Galați, ISBN 978-973-627-376-6, p.29
27. Ene A., V. Voicu, A. Ilie, 2007, 3rd National Conference on Applied Physics, Galati 15-16 June 2007, S3.P5. Study of some proton induced X-ray spectra from IAEA Vienna to determine the chemical elements in complex samples, Editura Fundației Universitare „Dunărea de Jos” din Galați, ISBN 978-973-627-376-6, p.29
28. Ene A., V. Mihăilă, G. Popovici, 2007, 3rd National Conference on Applied Physics, Galati 15-16 June 2007, S3.P6. Teaching the Moseley law at atomic physics courses for university students using X-ray energetic spectra packages, Editura Fundației Universitare „Dunărea de Jos” din Galați, ISBN 978-973-627-376-6, p.30
29. A. Ivanescu, L. Ivanescu, A. Ene, Galati 15-16 June 2007, 3rd National Conference on Applied Physics , S8.P2. Study of the evolution of the heat exchange coefficient at the continuous casting of steel, Editura Fundației Universitare „Dunărea de Jos” din Galați, ISBN 978-973-627-376-6, p.61
30. A. Ene, I.V. Popescu, C. Stihi, T. Badica, A. Gheboianu, I. Bancuta, G. Dima, 4th National Conference on Applied Physics, Galati 25-26 Sept. 2008, S3.O9. Multielemental analysis of metallurgical, environmental and biological samples using *PIXE* technique, Galati University Press, ISBN 978-973-88848-7-8, p.36
31. A. Ene, I. V. Popescu, T. Badica, C. Stihi, A.Gheboianu, 4th National Conference on Applied Physics, Galati 25-26 Sept. 2008, S3.P10. *PIGE-NAA* analysis of minor and trace elements in steels, Galati University Press, ISBN 978-973-88848-7-8, p.37
32. A. Nat, A. Ene, 4th National Conference on Applied Physics, Galati 25-26 Sept. 2008, S5.P8. Experimental aspects in the determination of alluvial gold by instrumental fast neutron activation analysis (*FNAA*), Galati University Press, ISBN 978-973-88848-7-8, p.49
33. A. Gheboianu, C. Stihi, I. V. Popescu, V. Cimpoca, A. Ene, I. Bancuta, G. Vlaicu, 4th National Conference on Applied Physics, Galati 25-26 Sept. 2008, S6.P9. Surface waters quality monitoring by *AAS* and *TDS* measurements, Galati University Press, ISBN 978-973-88848-7-8, p.56
34. C. Stihi, I. V. Popescu, A. Gheboianu, A. Ene, G. Dima, G. Vlaicu, 4th National Conference on Applied Physics, 2008, S7.O5. Determination of mineral content of vegetables using *EDXRF* spectroscopy, Galati University Press, ISBN 978-973-88848-7-8, p.60
35. M. Gheţeu, M. Goloşie, A. Ene, 4th National Conference on Applied Physics, Galati 25-26 Sept. 2008, S7.O7. The anthropic pollution with radionuclides in the Ciudanoviţa-Lişava region, Galati University Press, ISBN 978-973-88848-7-8, p.61
36. Antoaneta Ene, Alina Boşneagă, Andreea Ene, 4th National Conference on Applied Physics, Galati 25-26 Sept. 2008, S8. O6. Analysis and control of metallurgical materials using X-ray fluorescence technique and X-ray attenuation, Galati University Press, ISBN 978-973-88848-7-8, p.65
37. Antoaneta Ene, I.V.Popescu, Claudia Stihi, Anca Gheboianu, T.Badica, M.Gugiu, I.Bancuta, G.Dima, 2008, National Conference of Physics (CNF 2008), Bucharest, 10-13 Sept. 2008, S11.O15, *PIXE* analysis of environmental and metallurgical samples, Abstract Book pag. 217

38. I. V. Popescu, C. Stih, T. Badica, Gh. Cimpoca, G. Dima, A. Ene, A.Gheboianu, I. Bancuta, 2008, National Conference of Physics (CNF 2008), Bucharest, 10-13 Sept. 2008, S11.P9., Proton induced X-rays excitation (PIXE) and Atomic Absorption Spectrometry (AAS) applied in the environmental samples analysis, Abstract Book pag. 225.
39. Elena Zubcov, Laurentia Ungureanu, Antoaneta Ene, Natalia Zubcov, Nina Bagrin, Natalia Borodin, Liubovi Lebedenco, Lucia Biletschi, Assessment of chemical compositions of water and ecological situation in Dniester river, Poster SA P004, A DOUA CONFERINȚĂ NAȚIONALĂ DE "ȘTIINȚE APLICATE ÎN STUDIUL MEDIULUI ÎNCONJURĂTOR ȘI MATERIALELOR" CU PARTICIPARE INTERNAȚIONALĂ, TÂRGOVIȘTE, 28-30 aprilie 2010, Abstract Book p.30
40. Elena Zubcov, Natalia Zubcov, Antoaneta Ene, Nina Bagrin, Lucia Biletschi, The dynamics of trace elements in Dniester river ecosystems, Lucrare invitata (Plen) IL 003, A DOUA CONFERINȚĂ NAȚIONALĂ DE "ȘTIINȚE APLICATE ÎN STUDIUL MEDIULUI ÎNCONJURĂTOR ȘI MATERIALELOR" CU PARTICIPARE INTERNAȚIONALĂ, TÂRGOVIȘTE, 28-30 aprilie 2010, Abstract Book p. 2.
41. Antoaneta Ene, Alina Bosneaga, Inter-element relationships for soils around a ferrous metallurgical plant, A DOUA CONFERINȚĂ NAȚIONALĂ DE "ȘTIINȚE APLICATE ÎN STUDIUL MEDIULUI ÎNCONJURĂTOR ȘI MATERIALELOR" CU PARTICIPARE INTERNAȚIONALĂ, TÂRGOVIȘTE, 28-30 aprilie 2010, Poster SA P002, Abstract Book p.28.
42. Antoaneta Ene, Ion V. Popescu, Claudia Stih, Anca Gheboianu, Cristiana Radulescu, Nicolae Tigau, Steluta Gosav, Assessment of river water quality in Central and Eastern parts of Romania using atomic and optical methods, Poster SA P003, A DOUA CONFERINȚĂ NAȚIONALĂ DE "ȘTIINȚE APLICATE ÎN STUDIUL MEDIULUI ÎNCONJURĂTOR ȘI MATERIALELOR" CU PARTICIPARE INTERNAȚIONALĂ, TÂRGOVIȘTE, 28-30 aprilie 2010, Abstract Book p.29.
43. Antoaneta Ene, Ion V. Popescu, Teodor Badica, Ana Pantelica, Non-destructive nuclear methods for trace elements analysis in steel, Poster SF P009, A DOUA CONFERINȚĂ NAȚIONALĂ DE "ȘTIINȚE APLICATE ÎN STUDIUL MEDIULUI ÎNCONJURĂTOR ȘI MATERIALELOR" CU PARTICIPARE INTERNAȚIONALĂ, TÂRGOVIȘTE, 28-30 aprilie 2010, Abstract Book p.18
44. A. Pantelica, M. Gugiu, C. Ciortea, A. Ene, A. Enulescu, D. Dumitriu, D. Fluerasu, PIXE analysis of environmental samples using Si(Li) and HPGe detectors, A DOUA CONFERINȚĂ NAȚIONALĂ DE "ȘTIINȚE APLICATE ÎN STUDIUL MEDIULUI ÎNCONJURĂTOR ȘI MATERIALELOR" CU PARTICIPARE INTERNAȚIONALĂ, TÂRGOVIȘTE, 28-30 aprilie 2010, Prezentare orala, sectiunea Științe Aplicate.
45. Ana Pantelica, Antoaneta Ene, Marius Gugiu, Constantin Ciortea, Olimpiu Constantinescu, PIXE analysis of some vegetable species, CNF 2010, Conferința Națională de Fizică - Iași 23-25 septembrie 2010, Sect. Fizică atomică și moleculară, Invited lecture, FAM II.

8. Articole publicate în volume ale manifestărilor științifice naționale

1. Ene, A., Besliu, C., Badica, T., Popescu, I.V., Olariu, A., 1998, Analysis of minor elements in steels by measuring the prompt γ -rays from (p,n) reactions, Proceedings of the Scientific Jubilee Session 50 years of Higher Education in Galati, University Dunarea de Jos of Galati, October 23- 24, The Annals of the University Dunarea de Jos of Galati, Fascicle II, Supplement to tome XVI (XXI), 11-14, ISSN 1221-4531.
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.
4. Besliu, C., Olariu, A., Ene, A., Popescu, I., Badica, T., Ivanescu Al., 1995, Study of element dispersion and the transfer in siderurgical materials during iron making by thermal neutron activation, National Physics Conference - Paper Abstracts, Baia Mare, November 31- December 02, p.64.
5. Ene, A., Besliu, C., Badica, T., Popescu, I., Olariu, A., 1999, Metoda coincidentelor (n, g) pentru imbunatatirea sensibilitatii analizei elementelor minore in otel prin spectrometria radiatiilor g prompte induse de protoni, Sesiunea Stiintifica Anuala a Facultatii de Fizica Bucuresti dedicata implinirii a 100 de ani de la nasterea Acad. Prof. Dr. Theodor V. Ionescu, 21-22 Mai, Rezumate, p.20.
6. Ene, A., Besliu, C., Olariu, A., Popescu, I., Badica, T., 1999, Analiza prin activare cu neutroni termici a continutului de elemente minore și microelemente a otelurilor, Sesiunea Stiintifica Anuala a Facultatii de Fizica Bucuresti dedicata implinirii a 100 de ani de la nasterea Acad. Prof. Dr. Theodor V. Ionescu, 21-22 Mai, Rezumate, p.21.
7. Ene, A., Besliu, C., Olariu, A., Badica, T., Popescu, I., Ivanescu, Al., Jianu, D., Stefanescu, L., 2000, Investigation of raw materials and related final products involved in the ironmaking process by thermal neutron activation, National Physics Conference, Constanta, September 21- 23, NPC- Paper Abstracts, Poster P5-S3, p.18.
8. Ene, A., Popescu, I., Besliu, C., Badica, T., Olariu, A., 2000, Analysis of minor elements in steel by coincidence method in deuteron-induced prompt gamma-ray emission (d-PIGE), National Physics Conference, Constanta, September 21- 23, NPC- Paper Abstracts, Oral presentation O4-SB, p.15.

9. Ene, A., 2005, Quantitative analysis of manganese in steels by measuring the prompt gamma-rays from nuclear reactions, National Conference on Applied Physics, June 3-4, Galați, Section V – Nuclear Physics, Abstract Book ISBN 973-627-228-1, p. 31.
10. Ene, A., 2005, Proton-induced X-ray emission analysis of steel samples, National Conference on Applied Physics, June 3-4, Galati, Section V – Nuclear Physics, Abstract Book ISBN 973-627-228-1, p. 32.
11. A. Ene, I.V. Popescu, C. Stih, T. Badica, A. Gheboianu, I. Bancuta, G. Dima, Multielemental analysis of metallurgical, environmental and biological samples using PIXE technique, 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
12. A. Ene, I. V. Popescu, T. Badica, C. Stih, A.Gheboianu, PIGE-NAA analysis of minor elements in steels, 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
13. C. Stih, 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), Stih 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. Stih, **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).

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 RELETE DE BIOMONITORIZARE A POLUARIII MEDIULUI CU FACTORI POLUANTI DIN ZONELE DE DEZVOLTARE DE SUD, SUD-EST SI CENTRALA ALE ROMANIEI (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 in 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.**