



**PERSONAL INFORMATION** **Antoaneta ENE**


 „Dunarea de Jos” University, Faculty of Sciences and Environment,  
 Chemistry, Physics and Environment Department/Physics Division,  
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 [https://www.researchgate.net/profile/Antoaneta\\_Ene/](https://www.researchgate.net/profile/Antoaneta_Ene/)  
<https://scholar.google.ro/citations?user=RSsoZyUAAAAJ&hl=en>  
<http://www.researcherid.com/rid/C-1386-2011>  
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<https://www.scopus.com/authid/detail.uri?authorId=6603045847>

Sex Female    Date of birth 07/07/1964    Nationality Romanian

**POSITION**    **Professor Dr. habil.**
**WORK  
EXPERIENCE**

- |                               |  |
|-------------------------------|--|
| September 2015 - present      | <b>Full Professor, Ph. D. habilitated</b><br>„Dunarea de Jos” University of Galati (UDJG), Romania<br>▪ Research activities, Doctoral supervisor<br><b>Business or sector</b> Doctoral School of Engineering                       |
| September 2014 - present      | <b>Full Professor, Ph. D.</b><br>„Dunarea de Jos” University of Galati, Romania, Faculty of Sciences and Environment<br>▪ Teaching and Research activities<br><b>Business or sector</b> Higher Education                           |
| February 2004- September 2014 | <b>Associated Professor, Ph. D.</b><br>„Dunarea de Jos” University of Galati (UDJG), Romania, Faculty of Sciences<br>▪ Teaching and Research activities<br><b>Business or sector</b> Higher Education                              |
| September 2010- present       | <b>Head of Physics Division and Deputy Head of Chemistry, Physics and Environment Department</b><br>„Dunarea de Jos” University of Galati (UDJG), Physics Department<br>▪ Management<br><b>Business or sector</b> Higher Education |
| January 2007– September 2010  | <b>Head of Physics Department</b><br>„Dunarea de Jos” University of Galati (UDJG), Physics Department<br>▪ Management<br><b>Business or sector</b> Higher Education  |
| April 2005- January 2007      | <b>Deputy Head of Physics Department</b><br>„Dunarea de Jos” University of Galati (UDJG), Physics Department<br>▪ Management<br><b>Business or sector</b> Higher Education   |

- February 1996-  
February 2004 **Lecturer (Ph. D. from December 1997)**  
„Dunarea de Jos” University of Galati (UDJG), Romania, Faculty of Sciences  
▪ Teaching and Research activities  
**Business or sector** Higher Education
- October 1991-  
February 1996 **Assistant Lecturer**  
„Dunarea de Jos” University of Galati (UDJG), Romania, Faculty of Sciences and Letters  
▪ Teaching and Research activities  
**Business or sector** Higher Education
- March 1991-  
October 1991 **Associate Assistant**  
„Dunarea de Jos” University of Galati (UDJG), Romania, Faculty of Sciences and Letters  
▪ Teaching activities  
**Business or sector** Higher Education
- March 1990 - March  
1991 **Project Engineer**  
Rolling Mill Designing Institute IPROLAM, Bucharest, Romania, Galati Branch – Iron and Steel Works SIDEX Platform  
▪ Projecting Activity, Measurement and Control Devices Division, Automatization  
**Business or sector** Metallurgical Industry
- October 1987 -  
March 1990 **Physicist Engineer**  
PETROTUB Pipes Metallurgical Works, Roman, Neamt County, Romania  
▪ Quality Technical Control Division (Laboratories of: Mechanical Testing; Defectoscopy; Chemistry – X-ray Fluorescence)  
**Business or sector** Metallurgical Industry

## EDUCATION AND TRAINING

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- June-July 2018 **Postgraduate program of training and professional development, Domain: Management; programme: Project Management** EQF level 7  
„Dunarea de Jos” University of Galati (UDJG), Romania  
Title of thesis: “*Cross-border research network in Lower Danube and Black Sea basins for the mitigation of environmental pollution (NETSEAPOL)*”.
- February 27, 2017 **Permit (second level) to exert nuclear activities. Domains:**  
1) Radiations generators - specialization: Analyses with X-rays;  
2) Sealed radioactive sources - specialization: Applications with radioactive sources  
CNCAN Bucharest  
▪ Radiations generators, sealed radioactive sources
- April 4, 2016 -  
April 22, 2016 **Certificate in *Security in Radiological Protection*, Domain: Nuclear Engineering**  
Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering  
▪ Radiations generators, radiation detectors, interaction of radiations with matter, particle accelerators, sealed radioactive sources, open radioactive sources, radio-pharmaceuticals, calculation of dose rates and effective doses

- September 2015 **Certificate of Doctor habilitated, Domain: Engineering Sciences, Specialty: Industrial Engineering** EQF level  
 „Dunarea de Jos” University of Galati, Doctoral School (Order of Ministry of Education and Research no.5343/29.09.2015)  
 ▪ Title of Habilitation thesis: “*Applications of high sensitivity analytical techniques in industry and pollution management for trace chemical composition characterization of complex samples*”.
- October 2005 - June 2008 **B. Sc. Degree (2<sup>nd</sup> specialty), Domain: Mathematics, Specialty: Mathematics informatics** EQF level 5  
 „Dunarea de Jos” University of Galati, Faculty of Sciences  
 ▪ General and specialized courses of Mathematics and Informatics within the 1<sup>st</sup> cycle of Bologna studies. Title of B.Sc. thesis: “*Applications of vector calculus in Physics*”.
- October 2005 - June 2007 **M. Sc. Diploma, Domain: Environmental Sciences - Environment Management and Monitoring** EQF level 7  
 „Dunarea de Jos” University of Galati, Faculty of Sciences  
 ▪ General and specialized courses in the domain of Environmental Sciences within the post-university studies cycle; Title of dissertation thesis: “*Atomic and nuclear methods used in pollution studies*”.
- May 1993 - December 1997 **Ph. D., Domain: Physics, Specialty: Elementary Particles Physics** EQF level 8  
 University of Bucharest, Faculty of Physics  
 ▪ Applications of the atomic and nuclear methods for the microstructural analysis of the materials from the metallurgical industry; Title of Ph. D. thesis: “*Study of structure of microelements of iron ores, agglomerates and related iron and steel products by atomic and nuclear methods*” (supervisor: Prof.dr. Calin Besliu).
- September 1982 - July 1987 **B. Sc. Degree in Engineering, Domain: Physics, Specialty: Technological Physics** EQF level 6  
 University of Bucharest, Faculty of Physics  
 ▪ General and specialized courses in the Physics domain, specialty: Technological Physics, Section: Measuring and Control Devices; Title of B. Sc. thesis: “*Study of the chemical structure of some steels and thin rolled plates by X-ray Fluorescence method and Neutron Activation Analysis*” (supervisor: Prof.dr. Calin Besliu).
- September 1978 - July 1982 **Baccalaureate Degree, specialty: Mathematics-Physics**  
 „Vasile Alecsandri” High School of Galati  
 ▪ Fundamental and specialized courses in the fields of Mathematics and Physics

**PERSONAL SKILLS**

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	C1	C1	B1	B2	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

- Communication skills Good communication skills gained through my experience as professor and head of department
- Organisational / managerial skills
  - Director of INPOLDE interdisciplinary network, created in the frame of RO-UA-MD MIS ETC 1676 EU funded project;
  - Scientific Director of ReFORM-UDJG Multidisciplinary Platform (since September 2018) and Coordinator of the ReFORM-UDJG Platform (since January 2020)
  - Coordinator for Industrial Engineering domain, Doctoral School of Mechanical and Industrial Engineering (Faculty of Sciences and Environment)
  - President of the Scientific Research Commission of the Senate of “Dunarea de Jos” University of Galati & Vice-President of the Scientific Council of “Dunarea de Jos” University of Galati (2016-2019)
  - Leadership (Chief of Physics Department/Deputy Head of Chemistry, Physics and Environment Dept.); manager of research projects in partnership
  - Management skills (organizing national physics conferences with international participation – as president or vice-president; Editor-in-chief - Annals of “Dunarea de Jos” University of Galati, Fascicle II, Mathematics, Physics. Theoretical Mechanics; Coordinator of the “Atomic and Nuclear Spectroscopy” Laboratory of the “Physical-Chemical and Morpho-functional Analyses and Chemometry” institutionalized Research Center, “Dunarea de Jos” University of Galati, Romania) (2007-2018)
- Job-related skills
  - Experience in the management of the environment (Masters studies)
  - A good knowledge of the quality control processes in the industry and environment; Mastery of high precision and high sensitivity techniques for the analysis and the control of metallurgical, environmental and geological materials and environment monitoring; Mathematical modelling in industry and environment; competences in radiation protection
  - Determination of trace elements and radionuclides in industrial and environmental materials and food items;
  - Monitoring radon and thoron activity in indoor spaces;
  - Modelling of industrial and environmental processes;
  - High precision and sensibility techniques (EDXRF, NAA, PIXE, AAS, UV-VIS, GC-MS, GC-ECD, SEM-EDX, ICP-OES, ICP-MS, CVAAS) used for the monitoring of environmental pollution (soil, water, air, vegetation, wastewater sludge) with heavy metals, polycyclic aromatic hydrocarbons (PAHs) and pesticides, and assessment of food quality;
  - Employment of thermal-NAA technique for the determination of the transfer efficiencies of some minor and trace elements from raw and auxiliary materials to pig iron, slag and steel products during the metallurgical elaboration processes; correlation of the results obtained by nuclear methods (NAA, PIXE, PIGE) on the structure of microelements in the technological flux ores-sinter-pig iron-steels with the mechanical properties of the finite products;
  - Application of 14 MeV-NAA for the analysis of gold and other microelements in auriferous sands, concentrates and rocks;
  - Certificate of training for High Resolution Continuum Source Atomic Absorption Spectroscopy technique with ContrAA 700 (flame, graphite furnace, hydride generation) and UV-VIS Spectroscopy (Specord 200+) –Analytic Jena, Germany.
  - Certificate of training for High resolution Gamma-ray Spectrometry

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

[Digital competences - Self-assessment grid](#)

- Data bases: ACCESS and SQL; Computer networks; Microsoft Office (Word, Excel, PowerPoint); HTML; C/C++ Software (B. Sc. degree in Mathematics informatics)
- Software for X and gamma spectra processing: GammaW, GUPIX, LEONE; ORIGIN, MATLAB, STATISTICA

- Other skills**
- Doctoral supervisor, Domain: Industrial Engineering, Doctoral School of Mechanical and Industrial Engineering, „Dunarea de Jos” University of Galati
  - Evaluator of ARACIS - Commission of Environmental Science
  - Short term expert (from Oct. 2009), Specialization: Physical Engineering, Project POSDRU (*Sector Operational Program of Human Resources Development*) 2/1.2/S/2 "DOCIS ACPART" (*Development of an Operational System of Trainings in Higher Education in Romania - National Agency for Trainings in Higher Education and for Partnership with the Social and the Economical Environment*)
  - Experience in quality ensuring in higher education (member of the Quality Assessment Commission of „Dunarea de Jos” University of Galati, between 2005-2009; President of Quality Assessment Commission of Faculty of Sciences and Environment 2012-2019);
  - Experience in coordinating and elaborating evaluation files by ARACIS (The Romanian National Council of Academic Evaluation and Accreditation of Higher Education Institutions) for B. Sc. and M. Sc. in the domain of Physics: Physics and Physical-Chemical Analyses in Material Science and Environment;
  - High precision and sensibility techniques (NAA, PIXE, PIGE, EDXRF, AAS, ICP-OES, UV-VIS, GC-MS, GC-ECD, SEM) used for the characterization of advanced materials and evaluation of anthropogenic activities impact over environment and life quality and monitoring of environmental pollution – soil, water, air and biomonitors: mosses, mushrooms, vegetables, aquatic plants and organisms (fish), food;
  - Nuclear and related analytical techniques for Environmental and Life Sciences - part of the international program "HEAVY METALS IN EUROPEAN MOSSES - Monitoring long-term and large-scale changes in heavy-metal deposition".
  - Invited lecturer and member of the scientific committee of the summer school „The 3rd Joint Seminar JINR-Romania on Neutron Physics for Investigations of Nuclei, Condensed Matter and Life Sciences”, Targoviste, Romania, 24-30 July 2011;
  - Reviewer at ISI journals: Journal of Hazardous Materials; Science of the Total Environment; Microscopy and Microanalysis, Polish Journal of Environmental Studies, Chemosphere, Romanian Journal of Physics, Environmental Science and Pollution Research, Journal of Geochemical Exploration; Romanian Biotechnological Letters; Polycyclic Aromatic Compounds; Ecotoxicology and Environmental Safety; Fresenius Environmental Bulletin, Spectroscopy Letters, Analytical and Bioanalytical Chemistry; Air Quality, Atmosphere & Health; Talanta; Nuclear Instruments and Methods in Physics Research, B; Desalination and Water Treatment; Urban Water Research; Soil and Sediment Contamination An International Journal; Pediatric Research; International Journal of Ambient Energy; Environmental Technology; Chemistry Journal of Moldova, SN Applied Sciences; Ecological Indicators; Journal of Radioanalytical and Nuclear Chemistry; Atmosphere; Applied Radiation and Isotopes; International Journal of Environmental Analytical Chemistry; Emerging Contaminants; Sedimentary Geology; Environmental Earth Sciences; Food Chemistry.
  - Reviewer at IDB journals: "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.
  - Editor of indexed journal Atmosphere;
  - Official reviewer of doctoral theses – University of Bucharest (Physics); Dunarea de Jos University of Galati (Industrial Engineering);
  - Official reviewer of habilitation theses – Polytechnic University of Timisoara (Industrial Engineering)
  - Official reviewer of dissertation theses – University of Cairo, Egypt.

#### ADDITIONAL INFORMATION

##### Memberships

- Member of the Romanian Society of Physics;
- Member of the General Association of Engineers from Romania (AGIR);
- Member of the European Physical Society (EPS) (2009)
- Member of „The International Cooperative Programme on Effects of Air Pollution on Natural Vegetation and Crops (ICP Vegetation)".
- Member of research team „Atomic and nuclear methods used in technologies”, Atomic and Nuclear Physics Department, Faculty of Physics, University of Bucharest (1993-1998)
- Chair of the International Conference *Environmental Challenges in Lower Danube Euroregion*, Galati, June 25-26, 2015;

- Chair of the National Conferences of Applied Physics, 3rd and 4th Editions, Galati, 2007, 2008;
- Chair of: *1st International Symposium on Applied Physics – Materials Science, Environment and Health* (ISAP1), Galati, November 28th-29th, 2009; *MONITOX International Symposium Deltas and Wetlands*, Tulcea, September 15-17, 2019; *Hydropower Impact on River Ecosystem Functioning. Proceedings of the International Conference*, Tiraspol, Moldova, October 8-9, 2019;
- Vice-President of National Conference on Applied Physics, First and 2nd Editions, Galati 2005, 2006;
- Member of the organizing/scientific committee of the conferences: 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 21<sup>th</sup> - July 22<sup>th</sup>, 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, ISINN27, Dubna, Russia, June 2019.

#### References

- Joint Institute of Nuclear Research (JINR), Dubna, Russia;
- Technological Educational Institute of Kavala, Greece;
- Institute of Zoology, Academy of Sciences of Moldova;
- Institute of Geology and Seismology, Academy of Sciences of Moldova;
- Katholieke Universiteit (KU) Leuven, Belgium

#### Honours and awards

- **10 ISI-Web of Science articles awarded** by CNCSIS/UEFISCDI:
- **1 habilitation thesis awarded** by 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)

#### Courses

- Physics (Faculty of Mechanics-Year I, Engineering Sections: "Industrial Engineering"; "Economic Engineering", "Applied Mechanics", "Managerial and Technological Engineering"; "Mechatronics"; Faculty of Food Engineering –section "Engineering of Food Products"; Faculty of Metallurgy and Materials Science -College "Control of Metallurgical Processes");
- Radiometric Methods of Analysis (Faculty of Sciences-Year V, sections Chemistry-Physics and IV Physics-Chemistry and Physics-Mathematics);
- Physics of the Protection against Radiations (Faculty of Sciences- Post-university Studies).
- Devices and Methods of Measurement, Analysis and Control with Radiations (Faculty of Sciences- section of Post-university Studies).
- Biophysics (Faculty of Food Engineering: section "Ecology and Environmental Protection")
- Physics and Biophysics (Faculty of Medicine and Pharmacy-section Pharmacy);
- Physics of Atom and Molecule (Faculty of Sciences – Physics-Informatics, Physics, Physics-Chemistry and Physics-Mathematics);
- Nucleus Physics (Faculty of Sciences - Physics informatics);
- Radiometric Techniques of Analysis and Control (Faculty of Sciences - Master "Physical-Chemical Methods of Analysis and Control");
- Transport and Diffusion of Pollutants (Faculty of Sciences -Master "Monitoring and Management of Environment")
- Radioactive Pollution (Faculty of Sciences and Environment-Master "Monitoring and Management of Environment")
- Integrated Monitoring of Environment (Faculty of Sciences and Environment -section "Environment Science")
- Environmental Radioactivity (Faculty of Sciences and Environment -section "Environment Science")
- Techniques used in monitoring of environment quality (Faculty of Sciences and Environment -Master "Monitoring and Management of Environment").

## Publications

- **45 articles in ISI journals (Web of Science);**
- **71 articles in IDB journals; 7 articles in international refereed journals, 48 articles in CNCSIS journals; 26 books/chapters; 8 monographs** published abroad;
- **13 edited books and conference proceedings;**
- **199 presentations** at international conferences; **26 papers** published in conference volumes, **58** at national conferences with international participation;
- **> 370 citations** in ISI and IDB journals (**>900 citations** in Google Scholar); Research Gate **Score RG=29.54** (25.02.2020);
- **18 international projects/grants** as director/co-director, **1 national project** as responsible of partner team; **12 projects** as member in the research team; **2 national grants ANCS** - coordinator;
- **7 agreements of international cooperation** as institutional coordinator.

## Projects

**Research Projects as Director/Responsible:**

- 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.
- 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 (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).
- 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, **Director from Romania: Ene Antoaneta.**
- 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).
- 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.**
- RESEARCH PROJECT 2013 JINR-Romania no. 72, Nuclear and related analytical techniques for the environmental and life sciences, Order IUCN 82/18.02.2013 & Order IUCN 81/18.02.2013, JINR Theme no. 03-4-1104-2011/2013, Investigations in the Field of Nuclear Physics with Neutrons, Protocol No. 4080-4-2011-2013, **Leaders from Romania:** Popescu Ion (Project Director, Valahia University of Targoviste), Stihl Claudia (Co-director, Valahia University of Targoviste), Cristiana Radulescu (Co-director, Valahia University of Targoviste), **Ene Antoaneta (Co-director**, UDJ Galati), Cucu-Man Simona (Co-director, UAIC Iasi).
- Project MIS ETC code 1676 "Cross-border interdisciplinary cooperation for the prevention of natural disasters and mitigation of environmental pollution in Lower Danube Euroregion" (19.12.2013-31.12.2015), 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.**
- 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 from Romania: Ene Antoaneta.**
- RESEARCH PROJECT 2015 JINR-Romania no. 87, Nuclear and related analytical techniques applied for air pollution and vegetation with heavy metals, nitrogen, and radionuclides., **Leaders from Romania:** I.V.Popescu, C. Stihl, **Ene A**, S. Cucu-Man, R. Todoran.
- 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 from Romania: Ene Antoaneta.**
- 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 from Romania: Ene Antoaneta.**

- 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 from Romania: Ene Antoaneta.**
- 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 from Romania: Ene Antoaneta.**
- 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).**
- Project no. 72-172/2008, PN-II, 2008-2011; Research direction no. 7, Tehnici de Inalta Precizie si Sensibilitate Aplicate in Retele de Biomonitorizare a Poluarii Mediului cu Factori Poluanti din Zonele de Dezvoltare de Sud, Sud-Est si Centrala ale Romaniei / High precision and sensibility techniques applied in biomonitoring networks of environmental pollution with polluting factors from South, South-East and Central development regions of Romania (*acronym: TIPSARMER*), **responsible Partner 1 – Ene Antoaneta (Dunarea de Jos University of Galati);** Director: Prof. Dr. Ion V. Popescu, University Valahia of Targoviste.
- RESEARCH PROJECT 2018 JINR-Romania no. 111, Assessment of industrial impact on agroecosystems and human health risk in Romania using nuclear and related analytical techniques, Theme no. 03-4-1128-2017/2019, **Leaders from Romania: Ene Antoaneta (Project Director, UDJ Galati), Stihl Claudia (Project Responsible, Valahia University of Targoviste).**
- RESEARCH PROJECT 2018 JINR-Romania no. 112, Assessment of air and soil quality in Romania studied by NAA and related analytical techniques, Theme no. 03-4-1128-2017/2019, **Leaders from Romania: Stihl Claudia (Project Director, Valahia University of Targoviste), Ene Antoaneta (Project Responsible, UDJ Galati).**
- COST Action **CA18130, "European Network for Chemical Elemental Analysis by Total reflection X-Ray Fluorescence" (ENFORCE-TXRF) (2019-2022), Leaders from Romania: Ene Antoaneta** <https://enforcetxrf.eu/about/participants/>
- RESEARCH PROJECT 2019 JINR-Romania no. 63, Assessment of industrial impact on agroecosystems and human health risk in Romania using nuclear and related analytical techniques, JINR Theme no. 03-4-1128-2017/2019, Investigations in the Field of Nuclear Physics with Neutrons, **Leaders from Romania: Ene Antoaneta (Project Director, UDJ Galati), Stihl Claudia (Project Responsible, Valahia University of Targoviste).**
- RESEARCH PROJECT 2019 JINR-Romania no. 64, Assessment of air and soil quality using biomonitoring, neutron activation analysis and related analytical techniques, JINR Theme no. 03-4-1128-2017/2019, Investigations in the Field of Nuclear Physics with Neutrons, **Leaders from Romania: Stihl Claudia (Project Director, Valahia University of Targoviste), Ene Antoaneta (Project Responsible, UDJ Galati).**
- RESEARCH GRANT JINR-Romania no. 26/2019, Development of laboratory infrastructure for applications of nuclear and related techniques on the characterization of agricultural soils and transfer of potentially toxic elements in plants, Theme no. 03-4-1128-2017/2019, **Director Romania: Ene Antoaneta.** Plenipotentiary Representative of Romanian Government at Joint Institute for Nuclear Research (JINR), Dubna, Russia
- Project Joint Operational Programme Black Sea Basin 2014-2020, code BSB27, Title: Black Sea Basin interdisciplinary cooperation network for sustainable joint monitoring of environmental toxicants migration, improved evaluation of ecological state and human health impact of harmful substances, and public exposure prevention (MONITOX), **Project Manager Ene Antoaneta).**
- Project Joint Operational Programme Black Sea Basin 2014-2020, code BSB165, Title: Creating a system of innovative transboundary monitoring of the transformations of the Black Sea river ecosystems under the impact of hydropower development and climate change (HydroEcoNex), **Project coordinator Ene Antoaneta (Dunarea de Jos University of Galati)).**

## ANNEXES

### List of relevant publications

#### Papers published in ISI-Thomson (Web of Science) journals

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 deuteron-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 B* 222, 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.
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