



## Curriculum vitae Europass



### Personal information

Name/ Surname **Andreea Verdeș (maiden name Teodor)**  
Adress Alexandru Ioan Cuza University of Iasi, Faculty of Physics, Bd. Carol I, Nr. 11, RO-700506-Iasi, Romania  
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[andrea.teodor@insp.gov.ro](mailto:andrea.teodor@insp.gov.ro)  
Nationality Romanian  
Birth of date 10/11/1984  
Sex F

### Work experience

Dates April 2008 – present  
Position Main physicist  
Principal subjects/occupational skills covered Radiation Laboratory  
Institution Ministry of Health, National Institute of Public Health, Regional Center of Public Health Iasi  
Activity type Ionizing radiation

### Education and training

Dates 2014 → present  
Title of qualification awarded PhD  
Principal subjects/occupational skills covered Medical Physics  
Institution University "Alexandru Ioan Cuza" Iasi, Physics Faculty, Biophysics and Medical Physics Laboratory  
Dates 2008-2010  
Title of qualification awarded Master Degree  
Principal subjects/occupational skills covered Physics of Plasma, Spectroscopy and Autoorganisation  
Institution University "Alexandru Ioan Cuza" Iasi, Physics Faculty

Dates 2003-2007  
 Title of qualification awarded Bachelor degree in Medical Physics  
 Principal subjects/occupational skills covered Physics, Biology, Chemistry, Anatomy, Mathematics, Biophysics  
 Institution University "Alexandru Ioan Cuza", Iasi, Physics Faculty

**Personal skills and competences**

Mother tongue(s) **Romanian**

Other languages(s) English

Self-assessment	<b>Understanding</b>		<b>Speaking</b>		<b>Writing</b>
<i>European level (*)</i>	Listening	Reading	Spoken interaction	Spoken production	
<b>English</b>	B1	B1	B1	B1	B1

(\*)Common European Framework of Reference (CEF) level

Social skills and competences Good communication, fast adaptation in new environments, team spirit, ambitious, teamwork skills, motivated person, spirit of evaluation and improvement; scientific coordination;  
 Initiative to new and creative solutions in laboratory activities and Ministry of Health National Programs;  
 Prolonged intellectual activities, disposition to activities and requirements beyond planned activities;  
 Documentation capacity;  
 Continuous training responsibility;  
 Responsibility of correct activity of radionuclide determinations;  
 Responsibility of actions respecting national/international laws of radiological protection;

Technical skills and competences Well skilled for laboratory activities:  
 - Responsible for activities and collaboration on National Ministry of Health Programmes; Collaborator in National Health Programs of Ministry of Health – evaluation of health effects due to ionizing radiation exposure:  
 -Public Health Monitoring from Radiation Exposure;  
 -Assessment of the radioprotection level of patients in different medical practices - effective doses estimation in nuclear medicine and diagnostic radiology;  
 -Assessment of doses and radioactivity measurements- determination of radionuclide radioactivities from soil, water and vegetation samples;  
 -Calibration of laboratory equipment;  
 - Calculating activity of radioactive sources in the radiation laboratory store;  
 -Responsible for the management and evidence of radioactive materials in Radiation Laboratory in Regional Center of Public Health Iasi (replacement person) decision no 232/ 15.12.2017;  
 -Periodicals (5 year) renewal exams with the National Commission for Nuclear Activities Control (NCNAC) for renewal of the level 2 exercise license for ionizing radiation activities in the complex field (sealed and open sources and radiation generators)  
 - course reader „Fundamentals of use of tanning apparatus and health effects of exposure to artificial UV radiation”

Computer skills and competences - Microsoft Office (Word, Excell, PowerPoint), Origin, Dose estimate

## Additional information

*PhD Thesis domain* „Contribution to the study of radiations interaction with organic and anorganic components of biological materials”, Supervisor prof. dr. Luchian Tudor, coordinating prof. dr. Creanga Dorina

### Other activities

Level 2 exercise license for ionizing radiation activities in the complex field  
Member Romanian Society of Radiological Protection (SRRP) since 2009  
Member of Medical Physicist College from Romania since 2011  
Member of Romanian Society of Physics since 2015  
B category driving license since 2007

Participation in European contract research project "The doctoral scholarships for a new generation of elite researchers" POSDRU/187/1.5/S/ 155397 July- December 2015

Participant in „The XXXVII National Conference Physics and modern educational tehnologis (FTEM)”, 16-17 May 2008;

Traning of Institute of Physics and Nuclear Activities "Horia Hulubei", „*Radiological Security working with ionizing radiation sources*”, Magurele, Bucharest, Romania, 2-20 June 2008;

Training of personnel from radiation hygiene network „Health and ionizing radiations”, 9-12 September 2008, Galati;

Training of personnel from radiation hygiene network „Health and ionizing radiations: monitoring and treatment”, 5-8 October 2009, Olanesti;

Participation in *Continuing professional education course in diagnostic and interventional radiology physics*, RDG and RTG Nuclear field in the Continue Education Program of staff exposed to radiation, Iasi, Romania, 12-16 September 2011;

Participation in “*Second National Conference of Medical Physicists*”, 17 September 2011;

Participation in the „*Health and safety at work a prerequisite for competitiveness*” of Horeca Seminar, 27-28 March 2012;

Training of personnel from radiation hygiene network: “*Health and ionizing radiation*”, 9-12 October 2012, Olanesti;

Participant in „The twelfth edition of Biophysics Conference- CNB 2013”-Biophysics for Health with international Participation, Iasi, Session „Biosensors, Biophotonics and Bionanotechnology”, 13-16 June 2013;

Participant (training in Quality Assurance & Quality Management in bio dosimetry) in FP7-Fission-2011 EURATOM Project (2012-2015): “Realizing the European Network in Biodosimetry” (RENEB); September 2014;

Course of phd Iasi –Shizuoka Al. I. Cuza University, Faculty of physics, 09 March 2015;  
Elsevier Wokshop- “Supporting the Romanian Scientific Community”, 24 March 2015;

Participant in „The XLIV National Conference Physics and modern educational tehnologis” (FTEM), Al. I. Cuza University Iasi, Faculty of physics, 16 May 2015;

Participation in Project opening conference “By doctoral scholarships to a new generation of elite researchers”, Senate Hall, Al. I. Cuza University Iasi, 2015;

Participant in “The V National Conference for health and environment” of National Institute of Public Health, 28 October 2015, Bucharest;

Participant in „The XIII Conference of medical physics”, Cluj 7-8 November 2015;

Participant in „Short training program Toxicological evaluation, environmental behavior and ecotoxicology”, ”Promoting expertise in the assessment and monitoring of hazardous substances in the environment - ProExpert”, ID 66251, contract 3450/19.05.2015, Grant SEE 2009-2014, Program RO04-Reduction of Hazardous Substances, The request for proposals No. 2 - training and awareness campaigns, 01 – 05 February 2016, Iași, Astoria Hotel;

Participant in „Application of 301/2015 meeting”, in organization of National Institute of Public Health, 24-25 March 2016, Timisoara;

Participant in Training Workshop DOZIMED “Reliable dosimetry”, 15 November 2016, International Hotel, Iasi;

Participant in pre-conference course “Involvement of medical physics in oncology”, CONFER 2016 Conferences of Regional institute of oncology Iasi, 24-26 November, 2016;

Attendance the English language course at B1 level organized by the Center for Foreign Languages and Continuing Education of “Al. I. Cuza” University during 01 April-16 June 2017,

Participant in “The fifteenth national medical physics conference”, 10-12 November 2017, Iasi;

Annexes

Scientific activity

## Scientific Activity

### 1. Papers published in volumes of international scientific manifestations

#### International (non ISI):

Irina Anca Popescu, Andreea Teodor, C. Borcia, Alexandra Cucu: "Radon exposure in the north east region of Romania", oral presentation and published in „VII. Hungarian Radon Forum and Radon in Environment Satellite Workshop, ISBN 978-615-5044-91-5, Veszprem Hungary (16-17 May 2013); <http://rri.vein.hu/conferences/radon/2013/index.html>.

#### International (ISI proceedings):

1. Lăcrămioara Oprică, Marius Grigore, Andreea Verdeș, Dorina Emilia Creangă, Irina Anca Popescu, Andreea Grigorescu, Diana Costin: „*Antioxidant Properties Evidenced by Polyphenols Content in Two Romanian Red Grape Cultivars in Iasi Area*”, The 5<sup>th</sup> IEEE International Conference on E-Health and Bioengineering- EHB 2015 „Grigore T. Popa University of Medicine and Pharmacy”;
2. Irina-Anca Popescu, Andreea Teodor, Cătălin Pricop, Veronica Tănasă, Diana Costin: „*Data Analysis of Medical Exposures in Diagnostic and Interventional Radiology*”; The 5<sup>th</sup> IEEE International Conference on E-Health and Bioengineering- EHB 2015 „Grigore T. Popa University of Medicine and Pharmacy”;
3. Andreea Teodor, Irina Anca Popescu, Andreea Grigorescu: „*Preliminary survey of radon population exposure in east romanian region*”, accepted abstract, poster presentation in 14<sup>th</sup> International Congress of the Radiation Protection Association, May 2016, Cape Town – South Africa IRPA 2016;
4. Irina Anca Popescu, Felicia Gradinariu, Andreea Teodor, Doina Havarneanu, Irina Alexandrescu, Diana Costin: „*Utility and significance of biomarkers used in health status monitoring of ionizing radiation exposed personnel*”; The 6<sup>th</sup> IEEE International Conference on E-Health and Bioengineering - EHB 2017 „Grigore T. Popa University of Medicine and Pharmacy”, Sinaia, Romania, 2017;
5. Damian Grigore, Teodor Andreea, Popescu Irina Anca, Creanga Dorina Emilia: „*Electron Paramagnetic Resonance Investigations Of Ultraviolet Irradiated Prednisone*”; The 6<sup>th</sup> IEEE International Conference on E-Health and Bioengineering - EHB 2017 „Grigore T. Popa University of Medicine and Pharmacy”, Sinaia, Romania, 2017;

#### National and International (ISI factor):

1. Marius-Nicușor Grigore, Mihaela Ivan, Andreea Verdeș, Lăcrămioara Oprică: „*Enzymatic activity and non-enzymatic antioxidants content in several Plantago species (from Valea Ilenei nature reserve) during different phenophases*”; The chemistry magazine (Revista de Chimie) 2017, impact factor 1.232; AIS (2016)=0,057; ISSN 0034-775
2. Oprică Lăcrămioara, Verdeș Andreea, Poroch Vladimir, Creanga Dorina, Grigore Marius Nicusor: “*Effect of different drying techniques on antioxidant capacity of two Romanian red grape cultivars*”, the paper was accepted as letter to the Editor, for publication in Iranian J Public Health, the impact factor 2016-2017 was 0,768, AIS (2016) = 0,196; ISSN: 2251-6085
3. A. Verdeș Teodor, G. Vochita, D. Creangă: „*On some genotoxic effects of UV-C radiation in root meristemesin Cucurbita Pepo L. (Despre unele efecte genotoxice ale radiatiilor UV-C asupra meristemelor radiculare la Cucurbita Pepo L.)*”; Romanian Reports in Physics; impact factor 1,467, accepted for publication in Volume 70, Number 2, 2018, AIS (2016)= 0,242; ISSN 1221-1451

4. Lăcrămioara Oprică, Radu Gheorghe Antohe, Andreea Verdeș, Marius Nicușor Grigore: „*Effect of freeze-drying and oven-drying methods on flavonoids content in two Romanian grape varieties*”, the paper was send in The chemistry magazine (Revista de Chimie) august 2018, relative impact factor (2018) 0,383; impact factor (2016) 1,232;; AIS (2016)=0,057; ISSN 0034-7752

Scor de influenta cumulat: AIS total= 0,057+0,196+0,242+ 0,057= 0,552

## 2. International conference

1. Irina Anca Popescu, Andreea Teodor, C. Borgia, Alexandra Cucu: “*Radon exposure in the north east region of Romania*”, oral presentation; VII. Hungarian Radon Forum and Radon in Environment Satellite Workshop Veszprem Hungary (May 2013);
2. Lăcrămioara Oprică, Marius Grigore, Andreea Verdeș, Dorina Creangă, Irina Anca Popescu, Andreea Grigorescu, Diana Costin: „*Antioxidant Properties Evidenced by Polyphenols Content in Two Romanian Red Grape Cultivars in Iasi Area*”, poster presentation in The 5<sup>th</sup> IEEE International Conference on E-Health and Bioengineering - EHB 2015 Grigore T. Popa University of Medicine and Pharmacy”; 2015, Iasi;
3. Irina-Anca Popescu, Andreea Teodor, Cătălin Pricop, Veronica Tănasă, Diana Costin: „*Data Analysis of Medical Exposures in Diagnostic and Interventional Radiology*”; The 5<sup>th</sup> IEEE International Conference on E-Health and Bioengineering -EHB 2015 Grigore T. Popa University of Medicine and Pharmacy”; 2015, Iasi;
4. Andreea Teodor, Irina Anca Popescu, Andreea Grigorescu: „*Preliminary survey of radon population exposure in east romanian region* ”, accepted abstract, poster presentation in 14<sup>t</sup> International Congress of the Radiation Protection Association, May 2016, Cape Town – South Africa IRPA 2016;
5. Irina Anca Popescu, Felicia Gradinariu, Andreea Teodor, Doina Havarneanu, Irina Alexandrescu, Diana Costin: „*Utility and significance of biomarkers used in health status monitoring of ionizing radiation exposed personnel*”; The 6<sup>th</sup> IEEE International Conference on E-Health and Bioengineering - EHB 2017 „Grigore T. Popa University of Medicine and Pharmacy”, Sinaia, Romania, 2017;
6. Damian Grigore, Teodor Andreea, Popescu Irina Anca, Creanga Dorina Emilia: „*Electron Paramagnetic Resonance Investigations Of Ultraviolet Irradiated Prednisone*”; The 6<sup>th</sup> IEEE International Conference on E-Health and Bioengineering - EHB 2017 „Grigore T. Popa University of Medicine and Pharmacy”, Sinaia, Romania, 2017.

### 3. National conference

1. Andreea Verdes, Catalin Borcia, Dan Mihailescu: "DNA damages induced by ionizing radiation, a Monte Carlo investigation", poster presentation in "The XXXVII National Conference Physics and modern educational tehnologis", Iasi 2008 and publicated in extenso in „Vasile Adamachi scientific magazine” pag 1-4, 2008, „Al I Cuza University publisher”; ISSN 1221-9363;
2. Ramona Focea, Irina Popescu, Andreea Verdes, Cipriana Stefanescu, Dorina Creanga, Florin Tufescu: „The modulator influence of electromagnetic exposure on the genetic impact of different irradiation types upon blood cells”, 11th National Conference of Biophysics with a Special Topics Symposium "Solute effects on the structure and function of proteins and Peptides", poster presentation and abstract, November, 2011, Sibiu;
3. Irina Anca Popescu, Andreea Teodor: "Protejarea stării de sănătate a populației împotriva expunerii la radiații ionizante din surse naturale-radon"; poster presentation in "The National Conference Health and ionizing radiation", 2012, Olănești;
4. Irina Anca Popescu, Andreea Teodor: „Protejarea stării de sănătate a populației împotriva expunerii la radon” ,The second National Conference "Health and Environment" , 2012, Bucharest;
5. Irina-Anca Popescu, Andreea Teodor, Camelia Cobzean, Andreea Grigorescu: "Statistical evaluation of justified medical exposures in radiological diagnosis": „ The 2th National Conference on Biophysics "CNB 2013"- Biophysics for Health with international Participation;13-16 June, Iasi
6. Andreea Teodor, Irina Anca Popescu, Tudor Luchian, Emilia Dorina Creangă: "Expunerea la radon" poster presentation in „The XLIV National Conference of physics and modern educational technologies”; 2015, Iasi;
7. Andreea Teodor, Irina Anca Popescu, Andreea Grigorescu, Tudor Luchian, Emilia Dorina Creangă: "Expunerea populației la surse naturale radioactive " poster presentation in „A XLIV a Conferința națională fizica și tehnologiile educaționale moderne”; 2015, Iasi;
8. Irina Anca Popescu, Andreea Teodor: "Protecția radiologică în expunerea profesională și medicală din proceduri radiodiagnostice" poster „The XLIV National Conference of physics and modern educational technologies”; 2015, Iasi;
9. Oana Rusu, Liviu Leontie, Bogdan Albina, Andreea Verdes, Irina Anca Popescu, Adrian Timfte, Marius Mihai Cazacu, Siliu Gurlui: "Monitorizarea factorilor de mediu in zona de agrement Ciric in vederea identificarii intruziunilor de poluanti" poster presentation „The XLIV National Conference of physics and modern educational technologies”; 2015, Iasi;
10. Participation in Project opening conference " By doctoral scholarships to a new generation of elite researchers", Senate Hall, Al. I. Cuza University Iasi, 2015;
11. Irina-Anca Popescu, Andreea Teodor: „Monitorizarea expunerii naturale la radon”, poster and oral presentation „Fifth National Conference for Health and Environment" organized by National Institute of public Health, October 2015, Bucharest;
12. A. Teodor, A. Grigorescu, D. Costin, I.A. Popescu: "Natural Radioactivity of environment: monitoring and impact on public health", The second National Academy of ecological Sciences, Moldova symposium, Iasi branch, "The role of ecology in modern society today", 2016.
13. Andreea Teodor, Vochita Gabriela, Creanga Dorina: „Highlighting of some bio-effects of exposure to ultraviolet radiation", oral presentation in The fifteenth national medical physics conference, 10-12 November 2017, Iasi
14. Felicia Grădinariu, Diana Costin, Andreea Teodor, Irina Anca Popescu: „Corelații între indicatorii de expunere și cei de efect în expunerea ocupațională la radiații ionizante a personalului din sectorul medical", A VIII a Conferință Națională pentru sănătate și mediu a INSP, 26-28 septembrie 2018, București, prezentare poster.

#### 4. Research stages

1. Radiological security in practices with ionizing radiation sources”- Center of preparation and specialization of personnel in the GR, CS, OS nuclear field, Măgurele June 2008;
2. "Training in radiochemical methods and measurements for practitioners", Joint Research Center Enlargement and Integration workshop, June 2012, Ljubljana, Slovenia;
3. „European school of medical physics”, October- November, 2012, Archamps, France;
4. Participation in training sessions for postgraduates in the fields of mathematics, computer science, chemistry, physics and life sciences and earth (geography, geology and environmental science, biology): Soft skill training session, (conf.dr. Rădoi Mihaela), Training sessions on Science Communication (prof. dr. Leontie Liviu; lect.dr. Ciortescu Elena); The training session transversal competences; Equal opportunities and diversity management (prof.dr. Agheorghiesei); Training sessions on the Communication Science Communication and dissemination of scientific results. Strategies and methods (lect.dr. Moraru Camelia); Research Management Module; Project management and project management research (lect.dr. Cramarencu Romana); Research Management Module; Visible or invisible rules to develop a successful thesis (prof.dr.lancu Ovidiu Gabriel), 2015;
5. Research stage in Babes Bolyai University, Faculty of Physics under the guidance of Mr. Damian Gregory, Director of the Research Centre Free Radicals, themed: "Study of the effects of radiation on biomolecules by spectroscopic methods"; Cluj Napoca, 2015;
6. Participation in European Training Course in Retrospective dosimetry ADORE: "Application of cytogenetic and EPR/OSL techniques for biological dosimetry and physical retrospective dosimetry" March-April 2017, Munich, Germany.

Date 01.09.2018

Signature

