



**Europass  
Curriculum Vitae**



**Personal information**

First name(s) / Surname(s)

**Claudia STIHI**

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Nationality

Romanian

Date of birth

13/08/1969

Gender

Female

**Desired employment**

Research, Development and Higher Education

**Occupational field**

**Work experience**

Dates

**2009 –present**

Occupation or position held

Associate Professor

Main activities and responsibilities

- Research activities as scientific coordinator, partner responsible or research team member in the frame of national and international research projects with main subject: Atomic and Nuclear methods applied in elemental investigation of different samples. For example: National Research Project PNII - Partnerships: 72\_172: « High precision and sensibility techniques applied in biomonitoring networks of environmental pollution with pollutant factors from South, South-East and Central development regions of Romania - TIPSARMER»; Research Project in the frame of the bilateral cooperation between Frank Laboratory of Neutron Physics of the Joint Institute of Nuclear Research, Dubna, Russia and Valahia University of Targoviste, Romania, theme: «Nuclear and related analytical techniques for Environmental and Life Sciences »;
- Teaching activities – Physics lectures with students from Material Sciences speciality; Environmental Physics lectures and laboratory applications with students from Environmental Engineering speciality, Atomic and Nuclear Methods experimental applications with master students;
- Member of Council Teaching Staff of Faculty of Sciences and Arts

Name and address of employer

Valahia University of Targoviste, Romania - Faculty of Sciences and Arts, Sciences Department

Type of business or sector

Education and research

Dates

**1999 –2009**

Occupation or position held

University lecturer

Main activities and responsibilities	<ul style="list-style-type: none"> <li>- Research activities in the frame of national and international research projects with main subject: Environmental monitoring pollution using atomic and nuclear analytical methods (working in a research team). For example: National Research Project CEEX nr. 718: « Excellency Network for environmental quality control and impact decrease of pollutant factors from central and south Romanian region - EXMED»; Research Project in the frame of bilateral cooperation between Frank Laboratory of Neutron Physics of the Joint Institute of Nuclear Research, Dubna, Russia and Valahia University of Targoviste, Romania: «Heavy metal pollution of Dambovita County, Romania, studied by nuclear and related analytical techniques»;</li> <li>- Teaching activities – Environmental Physics lectures and laboratory application with students from Environmental Engineering speciality, Physics lectures with students from Foods Chemistry, Atomic and Nuclear Method for environmental monitoring experimental application with master students;</li> <li>- Managing the activity of Physics Department of Faculty of Sciences and Arts, Valahia University of Targoviste;</li> <li>- Managing, as partner responsible, the project number 51388-IC-11-2004-1-RO-ERASMUS-MODUC-5 with the title “Forest Fires-preventing and monitoring”, in the frame of Socrates/Erasmus Curriculum Development Project. The coordinator of this project is Transylvania University of Brasov, Romania and partners are: Nyugat-Magyarorszagi Egyetem Erdomernoki Kar, Hungary; Valahia University of Targoviste Romania and Buckinghamshire Chilterns University College, England.</li> </ul>
Name and address of employer	Valahia University of Targoviste, Romania - Faculty of Sciences and Arts, Physics Department
Type of business or sector	Education and research
Dates	<b>1996-1999</b>
Occupation or position held	Teaching assistant
Main activities and responsibilities	<ul style="list-style-type: none"> <li>- Teaching activities – Environmental Physics laboratory applications with students from Environmental Engineering speciality, Physics laboratory applications with students from Foods Chemistry, Atomic and Nuclear Physics laboratory application with students from Chemistry-Physics speciality;</li> <li>- Research activities in the frame of PhD programme and national research projects with main subject: Environmental monitoring pollution using atomic and nuclear analytical methods (working in a research team);</li> <li>- Member of Organizing Committee of Physics Contest, between Romania and Hungary Olympic teams, May, 1999;</li> </ul>
Name and address of employer	Valahia University of Targoviste, Romania - Faculty of Sciences and Arts, Physics Department
Type of business or sector	Education and research
Dates	<b>1993-1996</b>
Occupation or position held	Laboratory demonstrator
Main activities and responsibilities	<ul style="list-style-type: none"> <li>- Research activities in the frame of PhD programme and internal and regional research projects with subject “ PIXE method development for elemental analysis of vegetables samples”;</li> <li>- Teaching activities development – Environmental Physics, Physics and Atomic and Nuclear Physics laboratory application development for students from Environmental Engineering speciality Foods Chemistry and Chemistry-Physics specialities;</li> </ul>
Name and address of employer	Valahia University of Targoviste,Romania - Faculty of Engineering, Physics Department
Type of business or sector	Education and research
<b>Education and training</b>	
Dates	<b>2009-2011</b>
Title of qualification awarded	Chemistry, Master degree
Principal subjects/occupational skills covered	Physical-Chemical Analytical Methods for Life Sciences and Environmental Quality Control

Name and type of organisation providing education and training	Valahia University of Targoviste, Romania
Dates	<b>2011</b>
Title of qualification awarded	Food Science, Graduate of professional traineeship
Principal subjects/occupational skills covered	Professional stage on Food Science
Name and type of organisation providing education and training	University of Molise, Italy
Dates	<b>1994-2001</b>
Title of qualification awarded	Physics, PhD degree
Principal subjects/occupational skills covered	PhD in Physics. Thesis title: "PIXE method development for elemental analysis of samples from vegetal biology domain", experimental research that directly contributes to the elemental analysis PIXE applicability for environmental samples
Name and type of organisation providing education and training	University of Bucharest, Bucharest, Romania
Level in national or international classification	Full marks – Cum Laude
Dates	<b>1998</b>
Title of qualification awarded	Post-graduate
Principal subjects/occupational skills covered	X-ray spectrometry
Name and type of organisation providing education and training	Philips Analytical and Valahia University of Targoviste
Dates	<b>1988-1993</b>
Title of qualification awarded	Bachelor in Physics
Principal subjects/occupational skills covered	Physics and two years in Biophysics speciality
Name and type of organisation providing education and training	University of Bucharest, Bucharest, Romania
Level in national or international classification	Full mark (10 at the national level)
Dates	<b>1983-1987</b>
Title of qualification awarded	School-leaving diploma
Principal subjects / occupational skills covered	Mathematic-Physics

Name and type of organisation providing education and training | Ienachita Vacarescu High School, Targoviste, Romania

**Personal skills and competences**

Mother tongue(s) | **Romanian**

Other language(s) | **English, French**

Self-assessment <i>European level</i> (*)	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production			
<b>English</b>	C2	Proficiency	C2	Proficiency	C1	Advanced	C1	Advanced	C1	Advanced
<b>French</b>	C2	Proficiency	C2	Proficiency	B2	Upper intermediate	B2	Upper intermediate	B2	Upper intermediate

Social skills and competences | Team working skills; Mediating skills.

Organisational skills and competences | Member in Organising Committee of:  
 • 1st International Conference on Analytical Chemistry (ROICAC'2012), September 18-22, 2012, Targoviste, Romania, <http://www.icstm.ro/ICAC2012> -as scientific secretary;  
 • The 3rd joint seminar JINR-Romania on Neutron physics for investigations of nuclei, condensed matter and life sciences, July 24-30, 2011, Targoviste, Romania, [www.icstm.ro/JSJR3](http://www.icstm.ro/JSJR3) – as scientific secretary;  
 • The European School on Magnetism – Time - dependent phenomena in magnetism, Aug. 22<sup>nd</sup>-Sept.2<sup>nd</sup>, 2011, Targoviste, Romania, <http://magnetism.eu/esm/2011/index.html>;  
 • The 3<sup>rd</sup> International Balkan Workshop on Applied Physics, June 26-28, 2002, Targoviste, Romania;  
 Member in Scientific Committee of:  
 • Second International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences "IC\_ANMBES 2010" , 24-27 May, 2012, Brasov, Romania, <http://icanmbes.unitbv.ro/>;  
 • First International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences "IC\_ANMBES 2010" , June 18-20, 2010, Brasov, Romania, <http://biofiz.unitbv.ro/icanmbes2010/>

Technical skills and competences | Experience in experimental working concerning elemental analysis using atomic and nuclear methods- XRF, AAS, PIXE, NAA.. Experience in Physics, Environmental Physics, Environmental radiation laboratories applications.

Computer skills and competences | Competent with most Microsoft Office programmes, some experience in HTML, experience in spectral analysis programmes and data processes programmes

Driving licence | B category driving licence

**Additional information**

**Publications:** Articles in ISI journals: **22**  
 Articles in international journals with peer review and articles in Romanian Academy journals: **22**  
 Articles in journals recognized by research Romanian executive unit-UEFISCDI: **29**  
 Articles in proceedings papers of national and international conferences: **18**  
 Books : **9**

<b>Relevant publications:</b>	<ol style="list-style-type: none"> <li>1. <u>Stihi, C.</u>; Radulescu, C.; Busuioc, G.; et al., Studies on accumulation of heavy metals from substrate to edible wild mushrooms, <i>Romanian Journal of Physics</i>, Volume: 56, Issue: 1-2, Pages: 257-264, 2011</li> <li>2. Radulescu, Cristiana; <u>Stihi, Claudia</u>; Busuioc, Gabriela; et al., Studies Concerning Heavy Metals Bioaccumulation of Wild Edible Mushrooms from Industrial Area by Using Spectrometric Techniques, <i>Bulletin of Environmental Contamination and Toxicology</i>, Volume: 84, Issue: 5, p: 641-646; 2011</li> <li>3. Busuioc, Gabriela; Elekes, Carmen Cristina; <u>Stihi, Claudia</u>; et al. The bioaccumulation and translocation of Fe, Zn, and Cu in species of mushrooms from <i>Russula</i> genus, <i>Environmental Science and Pollution Research</i>, Volume: 18 Issue: 6 Pages: 890-896 Published: 2011;</li> <li>4. <u>Claudia Stih</u>, Anca Bancuta, I. V. Popescu; et al., Air Pollution Studies Using PIXE And ICP Methods, <i>IoP Journal of Physics: Conference Series</i>, 41, p. 565-568, 2006;</li> <li>5. <u>Stihi, C.</u>; Popescu, I. V.; Busuioc, G.; et al., Particle induced X-ray emission (PIXE) analysis of Basella Alba L leaves, <i>Journal of Radioanalytical and Nuclear Chemistry</i>, Volume: 246, Issue: 2, p: 445-447; 2000</li> </ol>
<b>Research projects:</b>	<ol style="list-style-type: none"> <li>1. <b>Responsible of Valahia University of Targoviste research team, partner in the national project:</b> "Physico-chemical bases of mining technologies in geological and technological contaminated environment – FITOMIN, PNCD12: 31_081/14.09.2007;</li> <li>2. <b>Scientific coordinator of national reasearch project</b> PNII – Partenerships: "High precision and sensibility techniques applied in biomonitoring networks of environmental pollution with pollutant factors from South, South-East and Central development regions of Romania – TIPSARMER", 72-172/2008;</li> <li>3. <b>Responsible of Valahia University of Targoviste research team partner in the bilateral grant JINR, Dubna-Romania:</b> no.6 si 5 /2008-2009, "Investigation of foodstuffs, environment and nanomaterials by nuclear and related analytical techniques";</li> <li>4. <b>Responsible of Valahia University of Targoviste research team partner in the bilateral grant JINR, Dubna-Romania:</b> 2010-2012," Nuclear and related analytical techniques for Environmental and Life Sciences"</li> </ol>
<b>Professional development:</b>	<ol style="list-style-type: none"> <li>5. <b>member in research team - 13 national research projects</b> <ul style="list-style-type: none"> <li>• Short course – Basics in Mass Spectrometry and Applications in the Pharmaceutical Industry, September, 2011, Belgrade, Serbia;</li> <li>• Short course – Quality in Analytical Research, September, 2009, Innsbruck, Austria;</li> <li>• Course in General English Tempus-JET project 09149-97 "Computer Network Training Program", 2001</li> <li>• The Second International Balkan School on Nuclear Physics Course, 2000, Bodrum, Turkey</li> <li>• Research stage - 1998– Project "Formation Recherché Franco-Romaine" no. 97P4701, LURE, Paris_Sud XI University, Orsay, France</li> </ul> </li> </ol>
<b>Member of Professional Societies:</b>	<p>Member of:</p> <ul style="list-style-type: none"> <li>• Romanian Society of Physics</li> <li>• European Society of Physics</li> <li>• FESPB - Federation of European Societies of Plant Biology</li> <li>• Romanian Society of Chemistry</li> </ul>