

**EUROPEAN  
CURRICULUM VITAE**

<b>PERSONAL INFORMATION</b>	
SURNAME / First Name	Stefan George BANITA
Address	May 1st Avenue No.24, 061632, Bucharest, Romania
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Nationality	Romanian
Birth date / Place	12.01.1985

  

<b>WORK EXPERIENCE</b>	
• Dates	2008 – present: National Institute for Laser, Plasma and Radiation Physics
• Name and address of employer	National Institute for Laser, Plasma and Radiation Physics
Occupation / Position held	Activities: laboratory research, development of project proposals, elaboration of various documents, research studies, editing articles on research studies; Main field: physics and technology of lasers ; Other fields: computing, biophysics, medical physics Current research interests: laser photoacoustic spectroscopy in life sciences and environment, medical applications of lasers
Main activities and responsibilities	Researcher
• Dates	
• Name and address of employer	
Occupation / Position held	
Main activities and responsibilities	

  

<b>EDUCATION AND TRAINING</b>	
• Dates	2011-2014
• Name of organization providing education and training	Faculty of Physics, University Politehnica of Bucharest;
• Title of qualification awarded	PhD in Physics, "very good" (distinction);
Specialization	Checking the quality of fruit/vegetables using photoacoustic spectroscopy;
Thesis title:	
• Dates	2003-2008
• Name of organization providing education and training	Faculty of Materials Science and Engineering, University Politehnica of Bucharest;
• Title of qualification awarded	Bachelor of Science in Medical Physics;
Main subject	Biomaterials testing techniques

  

<b>PERSONAL SKILLS AND COMPETENCES</b>	
• Mother tongue	<i>Romanian</i>
• Other languages	<i>English</i>

• Social skills and competences	
• Organizational skills and competences	<p><i>Member of the teams responsible with the organization of international conferences</i></p> <ul style="list-style-type: none"> <li>- <i>Advanced Laser Technology, ALT06, 8-12 September 2006, Brasov, Romania;</i></li> <li>- <i>International Conference on Ultra-High Intensity Lasers, ICUIL 2012, 16-21 September 2012, Mamaia, Romania.</i></li> </ul>
• Technical skills and competences	<p><i>The ability to participate in activities that require thorough knowledge of methods of analysis and synthesis, and use their skills;</i></p> <ul style="list-style-type: none"> <li>- <i>Skills in drafting proposals for research projects and coordination of their work packages</i></li> <li>- <i>Skills in writing scientific papers;</i></li> <li>- <i>Mentoring skills: training research assistants, master students, etc.</i></li> </ul> <p><i>Specific specialist knowledge:</i></p> <ul style="list-style-type: none"> <li>- <i>Research Strategies specific to R &amp; D institutes in the field of lasers and plasma, identification of priority research directions and perspectives in this field;</i></li> <li>- <i>Relevant experience in studying the interaction of laser beams with biological tissues;</i></li> <li>- <i>Advanced experience in IR absorption spectroscopy;</i></li> <li>- <i>Experience in development of experimental setups circuits, electrical / electronic and optical devices</i></li> </ul>
• Other skills and competences	<ul style="list-style-type: none"> <li>- <i>responsible</i></li> <li>- <i>ability to assess and initiate things independently, resourceful</i></li> <li>- <i>ability to work in team</i></li> <li>- <i>communication skills and relationship</i></li> </ul>
<b>MISCELANEOUS</b>	
<b>PUBLICATIONS</b>	
	<ul style="list-style-type: none"> <li>• <b>Peer-Review journals:</b> 1</li> <li>• <b>Other journals:</b> 35</li> <li>• <b>Contributed talks at:</b></li> <li>- International conferences: 65</li> <li>- National conferences: 7</li> </ul>

**LIST OF PUBLICATIONS  
(up to five)**

1. C. Popa, D. C. Dumitraş, A. M. Bratu, M. Paţachia and **Ş. Băniţă**, “Ethylene production of organic and nonorganic mature mushrooms measured by LPAS”, Rom. Rep. Phys., Vol. 66, No. 3 (2014)
2. C. Popa, A. M. Bratu, D. C. Dumitraş, M. Paţachia, and **Ş Băniţă**, “Photoacoustic detection of ethylene concentration in cherry tomatoes”, Journal of Optoelectronics and Advanced Materials, Vol. 16 , No.1-2, (2014)
3. C. Popa, D.C. Dumitras, m. Patachia, and **Ş. Băniţă** “Qualitative analysis of ethylene in bananas during ripening process”, Journal of Food Science and Technology (2014)
4. M. Paţachia, C. Popa, **Ş Băniţă**, and D. C. Dumitraş, „Continuous wave diffuse optical tomography system tested on phantoms and animal tissues”, Rom. Rep. Phys., Vol. 67, No. 2, pp 412-424, (2015)
5. A. M. Bratu, M. Petruş, M. Paţachia, C. Matei, C. Popa, **Ş. Băniţă** and D. C. Dumitraş, “Quantitative analysis of surgical smoke produced in vitro by CO2 laser vaporization of animal tissues”, Rom. J. Phys., Vol. 60, No. 1-2 pp. 215-227 (2015).

Date  
15.04.2018

Signature:  
Stefan George Banita