

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Surname(s) / First name(s)	Žauhar Gordana
Address(es)	Rade Šupića 1, 51000 Rijeka
E-mail(s), Web address(s)	gordana.zauhar@medri.uniri.hr ; gordana.zauhar@uniri.hr
Nationality(-ies)	Croatian
Date of birth	December 18, 1963
Identification number from Records of Scientific Workers	142294

WORK EXPERIENCE

• Dates (from – to)	March 1987-
Name and address of employer	Department of Physics, Faculty of Medicine, University of Rijeka
Type of business or sector	<ul style="list-style-type: none"> • 2011- Associate professor • 2005.-2011.- Assistant professor • 2002.-2005.- Senior Assistant, • 1998.-2002.- Assistant • 1987.-1998. - Expert associate
Occupation or position held	
Main activities and responsibilities	Coordinator of the following courses: Medical physics and biophysics, Biophysics, Physics and biophysics, Biostatistics, Statistics, Medical statistics and informatics.

• Dates (from – to)	October 2015-
Name and address of employer	Department of Physics, University of Rijeka
Type of business or sector	Associate professor
Occupation or position held	
Main activities and responsibilities	teaching and science work

• Dates (from – to)	January 2000 - May 2000
Name and address of employer	University Hospital Rijeka, Department of Radiotherapy and Oncology
Type of business or sector	Radiotherapy
Occupation or position held	Medical physicists
Main activities and responsibilities	Radiotherapy treatment planning

• Dates (from – to)	October 1986 - March 1987
Name and address of employer	Secondary school in Rijeka
Type of business or sector	Teacher of chemistry
Occupation or position held	Teacher
Main activities and responsibilities	Teaching chemistry

EDUCATION

Date	December 10, 2001
Place of education	Zagreb
Name and type of organisation providing education	University of Zagreb, Faculty of Science
Title or qualification awarded	PhD in Physics

Date	1987-1994
Place of education	Zagreb
Name and type of organisation providing education	University of Zagreb Faculty of Science
Title or qualification awarded	Master of science in physics (medical physics)

Date	1982 - 1986
Place of education	Rijeka
Name and type of organisation providing education	Faculty of Philosophy, University of Rijeka
Title or qualification awarded	B. Sc. in chemistry and physics

TRAINING

Year	July 2014- August 2014
Place of training	London (Teddington), United Kingdom
Name and type of organisation providing training	National Physical Laboratory, Acoustics Group, Quality of Life Division
Principal subjects/Occupational skills covered	Medical ultrasound.

Year	March 2012 – April 2012
Place of training	London (Teddington), United Kingdom
Name and type of organisation providing training	National Physical Laboratory, Acoustics Group, Quality of Life Division
Principal subjects/Occupational skills covered	Medical ultrasound. Metrology of medical ultrasonic fields.

Year	February 2011 – April 2011
Place of training	London (Teddington), United Kingdom
Name and type of organisation providing training	National Physical Laboratory, Acoustics Group, Quality of Life Division
Principal subjects/Occupational skills covered	Medical ultrasound. Metrology of medical ultrasonic fields.

Year	February 2010 – April 2010
Place of training	London (Teddington), United Kingdom
Name and type of organisation providing training	National Physical Laboratory, Acoustics Group, Quality of Life Division
Principal subjects/Occupational skills covered	Medical ultrasound. Metrology of medical ultrasonic fields.

Year	7th April 2008 – 7th November 2008
Place of training	London (Teddington), United Kingdom
Name and type of organisation providing training	National Physical Laboratory, Acoustics Group, Quality of Life Division
Principal subjects/Occupational skills covered	Medical ultrasound. Metrology of medical ultrasonic fields.

Year	September 2003 - bursary from the IPeM (The Institute of Physics and Engineering in Medicine)
Place of training	Bath, United Kingdom
Name and type of organisation providing training	University of Bath
Principal subjects/Occupational skills covered	Medical physics

Year	June- August 1999 (scholarship from the Primorsko-Goranska County)
Place of training	Bath, United Kingdom
Name and type of organisation providing training	Medical Physics Department at Royal United Hospital in Bath
Principal subjects/Occupational skills covered	Medical ultrasound. Acoustic streaming generated in biological fluids by medical diagnostic ultrasonic beams.

Year	August 1996 (EFOMP Travel Award for Young Physicists)
Place of training	Bath, United Kingdom
Name and type of organisation providing training	Medical Physics Department at Royal United Hospital in Bath
Principal subjects/Occupational skills covered	Medical physics. Safety of ultrasound

Year	February 1996 (scholarship from the Primorsko-Goranska County)
Place of training	Bath, United Kingdom
Name and type of organisation providing training	Medical Physics Department at Royal United Hospital in Bath
Principal subjects/Occupational skills covered	Medical physics, medical ultrasound.

PERSONAL SKILLS AND COMPETENCIES

Mother tongue(s)	Croatian
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Other language(s)

	understanding		speaking		writing
	listening	reading	Spoken interaction	Spoken production	
English	C1	B2	B2	B2	B1
Italian	A2	A2	A1	A1	A1

SOCIAL SKILLS AND COMPETENCIES	Ability of communication and teamwork developed during twenty years of teaching and working with students. I am a member of Croatian Physical Society, Croatian Biophysical Society, Society of Mathematicians and Physicists -Rijeka, Croatian Medical & Biological Engineering Society (Crombes), Croatian Society for Ultrasound in Medicine and Biology.
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ORGANISATIONAL SKILLS AND COMPETENCIES	I was a member of Organizing Committee for Symposium (XXVIII Simpozij Koordinacijskog odbora za medicinsku fiziku i biofiziku na medicinskim, stomatološkim, veterinarskim i farmaceutskim fakultetima u SFRJ) which was held in Rijeka, 4-6 June 1990.
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TECHNICAL SKILLS AND COMPETENCIES	Good knowledge of Microsoft Word, Microsoft Excel, Microsoft PowerPoint, CorelDRAW and ability to navigate through the Internet. Knowledge of medical statistics and ability to use data analysis software program Statistica.
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ARTISTIC SKILLS AND COMPETENCIES	
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OTHER SKILLS AND COMPETENCIES	
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DRIVING LICENCE(S)	Yes, I have driving licence.
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1. **Žauhar, Gordana**; Smilović Radojčić, Đeni; Dobravac, Denis; Jurković, Slaven. Quantitative testing of physiotherapy ultrasound beam patterns within a clinical environment using a thermochromic tile. // *Ultrasonics*. 58 (2015); 6-10.
2. Kaliman, Zoran; **Žauhar, Gordana**; Jurković, Slaven. Cross section calculations of photoabsorption and Compton scattering contributions to He single and double ionization via recoil momentum observable. // *Radiation physics and chemistry*. 95 (2014) ; 34-37.
3. Zeqiri, Bajram; **Žauhar, Gordana**; Rajagopal, Srinath; Pounder, Adam. Systematic evaluation of a secondary method for measuring diagnostic-level medical ultrasound transducer output power based on a large-area pyroelectric sensor. // *Metrologia*. 49 (2012) , 3; 368-381
4. Butterworth, Ian; Barrie, Jill; Zeqiri, Bajram; **Žauhar, Gordana**; Parisot, Benjamin. Exploiting thermochromic materials for the rapid quality assurance of physiotherapy ultrasound treatment heads. // *Ultrasound in medicine & biology*. 38 (2012) , 5; 767-776.
5. Zeqiri, Bajram; **Žauhar, Gordana**; Hodnett, Mark; Barrie, Jill. Progress in developing a thermal method for measuring the output power of medical ultrasound transducers that exploits the pyroelectric effect. // *Ultrasonics*. 51(2011), 420-424.
6. Jurković, Slaven; **Žauhar, Gordana**; Faj, Dario; Smilović Radojčić Đeni; Švabic, Manda. Radiation therapy photon beams dose conformation according to dose distribution around intracavitary applied brachytherapy sources. // *Medical dosimetry*. 35 (2010), 1; 49-52.
7. Kaliman, Zoran; **Žauhar, Gordana**; Jurković, Slaven. Polarization effects in the nuclear excitation by positron–electron annihilation. // *Nuclear Instruments and Methods in Physics Research Section A: accelerators, spectrometers, detectors and associated equipment*. 619 (2010), 18-20.
8. Dubrović, Igor; Klepac, Damir; Valić, Srećko; **Žauhar, Gordana**. Study of natural rubber crosslinked in the state of uniaxial deformation. // *Radiation Physics and Chemistry*. 77 (2008), 6; 811-817.
9. Batinac, Tanja; Zamolo, Gordana; Hadžisejdić, Ita; **Žauhar, Gordana**; Brumini, Gordana; Ružić, Alen; Peršić, Viktor. Expression of Bcl-2 Family Proteins in Psoriasis. // *Croatian medical journal*. 48 (2007), 3; 319-326.
10. Jurković, Slaven; **Žauhar, Gordana**; Bistrović, Matija; Faj, Dario; Kaliman, Zoran; Smilović-Radojčić, Đeni. An alternative approach to compensators design for photon beams used in radiotherapy. // *Nuclear instruments & methods in physics research. Section A*. 580 (2007), 1; 530-533.
11. Batinac, Tanja; Zamolo, Gordana; Čoklo, Miran; Hadžisejdić, Ita; Stemberger, Christophe; **Žauhar, Gordana**. Expression of cell cycle and apoptosis regulatory proteins in keratoacanthoma and squamous cell carcinoma. // *Pathology, research and practice*. 202 (2006), 8; 599-607.
12. Batinac, Tanja; Zamolo, Gordana; Hadžisejdić, Ita; **Žauhar, Gordana**. A comparative study of granzyme B expression in keratoacanthoma and squamous cell carcinoma. // *Journal of dermatological science*. 44(2) (2006); 109-112.
13. **Žauhar, Gordana**; Duck F.A.; Starritt, H.C. Comparison of the acoustic streaming in amniotic fluid and water in medical ultrasonic beams. // *Ultraschall in der Medizin*. 27 (2006.), 2; 152-158.
14. Kaštelan, Marija; Prpić Massari, Larisa; Gruber, Franjo; Zamolo, **Gordana**; **Žauhar, Gordana**; Čoklo, Miran; Rukavina, Daniel. The role of perforin-mediated apoptosis in lichen planus lesions. // *Archives of dermatological research*. 296 (2004), 5; 226-230.
15. Kaštelan, Marija; Prpić Massari, Larisa; Gruber, Franjo; Zamolo, Gordana; **Žauhar, Gordana**; Čoklo, Miran; Rukavina, Danijel. Perforin expression is upregulated in the epidermis of psoriatic lesions. // *British journal of dermatology*. 151 (2004), 4; 831-836.
16. Prpić Massari, Larisa; Kaštelan, Marija; Gruber, Franjo; Laškarin, Gordana; Sotošek Tokmadžić, Vlatka; Štrbo, Nataša; Zamolo, Gordana; **Žauhar, Gordana**; Rukavina, Daniel. Perforin expression in peripheral blood lymphocytes and skin-infiltrating cells in patients with lichen planus. // *British journal of dermatology*. 151 (2004), 2; 433-439.
17. Cvjetković, N.; Velepić, S.M.; Velepić, M.M.; Komljenović, D.; **Žauhar, G.** The Quantitative Analysis of the Vascularization Following Two Basic Auditory Canal Skin Incisions. // *Collegium antropologicum*. 27 (2003), 1; 279-284.
18. Miličić, Franko; Fučkar, Željko; Gazdik, Miljen; Cicvarić, Tedi; Miličić, Irena; **Žauhar, Gordana**. Inflamed urachal cyst containing calculi in an adult. // *Journal of Clinical Ultrasound*. 30 (2002), 4; 253-255.
19. **Žauhar, Gordana**; Starritt, Hazel; Duck, Francis. Studies of acoustic streaming in biological fluids with an ultrasound Doppler technique. // *British Journal of Radiology*. 71 (1998), 843; 297-302.
20. Miletić, Damir; Fučkar, Željko; Šustić, Alan; Mozetič, Vladimir; Štimac, Davor; **Žauhar, Gordana**. Sonographic measurement of absolute and relative renal length in adults. // *Journal of Clinical Ultrasound*. 26 (1998), 4; 185-189.
21. Marić Brumini, Gordana; Šolić, Franjo; **Žauhar, Gordana**. Membrane potential of Nitella as an indicator of chemical contamination of water. // *Periodicum Biologorum*. 92 (1990); 453-454.