



**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Surname(s) / First name(s)	Prof. dr. sc. Marta Žuvić
E-mail(s), Web address	marta.zuvic@uniri.hr
Nationality	Croatian

WORK EXPERIENCE

Dates (from – to)	01. February 2020 - (current)
Name and address of employer	University of Rijeka
Type of business or sector	Vice-Rector for Students, Studies and Quality Assurance
Occupation or position held	Management
Dates (from – to)	01. February 2019 – 31 January 2020
Name and address of employer	University of Rijeka
Type of business or sector	Vice-Rector for Quality Assurance and Enhancement
Occupation or position held	Management
Dates (from – to)	2018. -2019.
Name and address of employer	University of Rijeka, Department of Biotechnology
Type of business or sector	Academic
Occupation or position held	Head of the Department
Main activities and responsibilities	Management
Dates (from – to)	01.Dec 2012.- (current)
Name and address of employer	University of Rijeka, Department of Biotechnology
Type of business or sector	Academic
Occupation or position held	Full Professor (2020), Assist. Prof (2014-2019)
Main activities and responsibilities	Teaching and research; Statistics and Data Analysis, Biophysics, Physics (general)
• Dates (from – to)	01.Feb 2010 - 01 Feb 2015
Name and address of employer	University of Rijeka
Type of business or sector	Teaching and Learning Support Centre / Continuing Education (CE)
Occupation or position held	Head
Main activities and responsibilities	Organization and program management; teaching in CE (E-Learning)
• Dates (from – to)	01.Jan 2008 - 30. Nov 2012
Name and address of employer	Faculty of Engineering, University of Rijeka
Type of business or sector	Academic
Occupation or position held	Associate professor
Main activities and responsibilities	Teaching (Physics, Biomedical physics, Imaging Techniques)
• Dates (from – to)	01.Oct 2005 - 01. Feb.2010
Name and address of employer	Faculty of Engineering, University of Rijeka
Type of business or sector	Information Technology Academy / Continuing Education
Occupation or position held	Head
Main activities and responsibilities	Organization and program management
• Dates (from – to)	01.Oct 1989 – 01 March 2004.
Name and address of employer	Medical faculty, University of Rijeka
Type of business or sector	Teaching and research
Occupation or position held	Teaching and research assistant
Main activities and responsibilities	Teaching and research (Biophysics, Medical Physics, Biostatistics)

EDUCATION

Date	25.January 2002.
Place of education	Zagreb
Name and type of organization	University of Zagreb, Faculty of Natural Sciences and Mathematics
Title or qualification awarded	PhD (Physics / MolecularBiophysics)
Date	09.May 1995.
Place of education	Zagreb
Name and type of organization providing education	University of Zagreb, Faculty of Natural Sciences and Mathematics
Title or qualification awarded	B.Sc (Physics / MolecularBiophysics)
Date	04.December 1988.
Place of education	Rijeka
Name and type of organization	University of Rijeka
Title or qualification awarded	Professor of mathematics and physics

TRAINING

Year	2015.
Place of training	Ajdovščina, Slovenija
Name and type of organization	Centre of Excellence for Biosensors Instrumentation and Process Control (COBIK) within Platform for trans-Academic Cooperation in Innovation (PACINNO) IPA project
Principal subjects/Occupational skills covered	Managerial-Enterpreurial Skills Development for Researchers Programme
Year	2005
Place of training	Zagreb
Name and type of organization	CARNet & University of British Columbia, Canada
Principal subjects/Occupational skills covered	E-Learning manager certificate
Year	2004
Place of training	Rijeka
Name and type of organization	Teched – Microsoft gold partner
Principal subjects/Occupational skills	Project management certificate of achievement - Microsoft Solutions Framework Methodology
Year	2002
Place of training	Rijeka
Name and type of organization	Universitas - University of Rijeka
Principal subjects/Occupational skills	Quality management in higher education
Year	2001
Place of training	Rijeka
Name and type of organization	Universitas - University of Rijeka
Principal subjects/Occupational skills covered	Workshop and seminar program lead by dr. D. Baume, Open University London: Supporting staff development to improve teaching and learning through a national network; Methods for assessing learning; Effective teaching for active learning

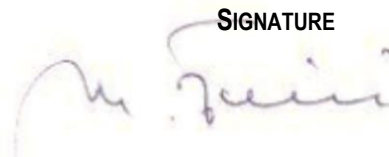
PERSONAL SKILLS AND COMPETENCIES

Mother tongue(s)	Croatian
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Other language(s)	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production			
English	C2	Experienced user	C2	Experienced user	C1	Experienced user	C1	Experienced user	B2	Independent user
German	A2	Basic user	A2	Basic user	A1	Basic user	A1	Basic user	A1	Basic user
Italian	A2	Basic user	A2	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

SOCIAL SKILLS AND COMPETENCIES	Able to effectively lead a team, work in a team, very good in communication with colleagues; able to make decisions quickly; prefer dynamic environment
ORGANIZATIONAL SKILLS AND COMPETENCIES	Heading a team (ref. head of the project team for larger projects: <i>Digital Competence Framework</i> for educators in Croatia, <i>European Joint Tempus EQIBELT project</i> for University of Rijeka, <i>Partners in learning</i> – collaboration of University of Rijeka and Microsoft Croatia), Project management, Follow up and Quality Assurance (10 ys heading a University unit - IT Academy and Centre for teaching and Learning support).
TECHNICAL SKILLS AND COMPETENCIES	PC skills and competencies: OS Windows, Linux. Desktop applications: Ms Office, Corel; LMS: Moodle, WebCT; Software packages: Statistica, MedCalc, SPSS
ARTISTIC SKILLS AND COMPETENCIES	Completed elementary music school (6 years), instrument: piano
OTHER SKILLS AND COMPETENCIES	Excellent skier, able to sail a 10m boat, like mountain hiking.
DRIVING LICENSE	Licensed for driving a car
ADDITIONAL INFORMATION	<ul style="list-style-type: none"> • Member of European University Association Learning & Teaching Steering Committee, mandate 1st March 2020 – 28th February 2022 <i>Scientific publications:</i> • ResearcherID http://www.researcherid.com/rid/G-7443-2012 • ORCID ID: http://orcid.org/0000-0001-9709-1508 • Google Scholar https://scholar.google.com/citations?hl=en&user=SX6IQYoAAAAJ • SCOPUS ID: http://www.scopus.com/authid/detail.url?authorId=6507785312 • Research Gate https://www.researchgate.net/profile/Marta_Zuvic • Research Gate https://www.researchgate.net/profile/Marta_Zuvic_Butorac2 <i>Social media:</i> LinkedIn https://www.linkedin.com/in/martazuvicbutorac/ • Collaborator on 10 scientific projects; collaborated with a number of research teams in Clinical Centers (Rijeka, Zagreb, Ljubljana), as well as Research Centers (Forschungszentrum Juelich, Germany, Institute J. Štefan, Ljubljana, Institute for Medical Research Zagreb) • Participated actively on 13 Scientific Conferences • Reviewer to 5 internationally recognized scientific journals • Member of University Committees (E-Learning Committee - president, Committee for recognition of prior learning) • Member of task force appointed by Ministry of Science and Education for Recognition of informal and nonformal learning (2014.; 2019.) • Founder and president of “Golden Section”, society for development of science and mathematics education, since 2004.; founder and past president of “Universitas”, society for the development of higher education • Science Festival in Rijeka - organization committee member for 10 years, 2003-2012
ANNEXES	<ul style="list-style-type: none"> A. Publication list B. List of scientific and professional references

SIGNATURE



ANNEX Publication list**Original Scientific Papers**

1. Viktor Peršić, Damir Rajević, Elitza Markova-Car, Leon Cindrić, Rajko Miškulin, Marta Žuvić, Sandra Kraljević Pavelić: Vitamin D-binding protein (rs4588) T/T genotype is associated with anteroseptal myocardial infarction in coronary artery disease patients, *Ann Transl Med*, Accepted for publication Jun 17, 2019. doi: 10.21037/atm.2019.07.49 2019
2. Jasminka Giacometti, Gordana Žauhar, Marta Žuvić: Optimization of Ultrasonic-Assisted Extraction of Major Phenolic Compounds from Olive Leaves (*Olea europaea* L.) Using Response Surface Methodology, *Foods* 2018, 7(9), 149; doi: 10.3390/foods7090149.
3. F. Anic, M. Žuvić, D. Štimac, S. Novak: Damage Index in 110 Systemic Lupus Erythematosus Patients. *West Indian Medical Journal*, December 2017, DOI: 10.7727/wimj.2017.151.
4. Snjezana Kraljic, Marta Zuvic, Kristian Desa, Ana Blagaic, Vlatka Sotosek, Dragana Antoncic, Robert Likic: Evaluation of nurses' workload in intensive care unit of a tertiary care university hospital in relation to the patients' severity of illness: A prospective study. *International Journal of Nursing Studies*, Vol 76, November–December 2017, p. 100-105. <https://doi.org/10.1016/j.ijnurstu.2017.09.004>
5. Lah Tomulic, K., Mestrovic, J., Zuvic, M., Rubelj, K., Peter, B., Bilic Cace, I., Verbic, A.: Neonatal risk mortality scores as predictors for health-related quality of life of infants treated in NICU: a prospective cross-sectional study. *Qual Life Res* (2017) 26:1361-1369 DOI 10.1007/s11136-016-1457-5
6. Duletić-Načinović A, Gačić V, Valković T, Lučin K, Fišić E, Žuvić-Butorac M, Seili-Bekafigo I, Jonjić N: Concurrent Elevations of VEGF, Osteopontin and MCP-1 Serum Levels Are Independent Predictors of Survival in Patients with Diffuse Large B-Cell Lymphoma, *Acta Haematol* 2016;136:52-6. DOI:10.1159/000444624.
7. Alen Protic, Igor Barkovic, Aldo Ivancic, Ozren Kricka, Marta Zuvic Butorac, Alan Sustic: Accuracy of targeted wire guided tube thoracostomy in comparison to classical surgical chest tube placement – a clinical study, *Injury* 03/2015; 86. DOI:10.1016/j.injury.2015.03.025
8. Juraj Kunisek, Luka Zaputovic, Zlatko Cubranic, Leon Kunisek, Marta Zuvic Butorac, Ksenija Lukin-Eskinja, Rade Karlavaris. Influence of the left ventricular types on QT intervals in hypertensive patients. *Anatol J Cardiol* 15(1):33-9. (2015) DOI:10.5152/akd.2014.5134
9. Anic, F; Zuvic-Butorac M; Stimac, D; Novak, S. New classification criteria for systemic lupus erythematosus correlate with disease activity. *Croat. Med. J.* 55 (5), pp. 514-519 (2014), DOI: 10.3325/cmj.2014.55.514
10. Mačukat IR, Spanjol J, Orlić ZC, Butorac MZ, Marinović M, Čupić DF. The effect of 5alpha-reductase inhibition with finasteride and dutasteride on bone mineral density in older men with benign prostatic hyperplasia. *Coll Antropol.* 2014 Sep;38(3):835-9.
11. Pavlovic-Ruzic, I; Jonjic, N; Zamolo, G; Zuvic-Butorac, M; Katunaric, M; Pecanic, S. The Patterns of Melanoma Presentation in Rijeka Region, *Acta Dermatovenerologica Croatica* (2013), vol 21 (3), p.174-179
12. A. Ljubačev, I. Medved, M. Oštrić, M. Zuvic-Butorac, J. Sokolić. Mitral Regurgitation and Coronary Artery Bypass Surgery : Comparison of Mitral Valve Repair and Replacement, *Acta Chirurgica Belgica* (2013) 113, pp. 187-191.
13. Alebić, M, Stojanović, N & Žuvić-Butorac, M: The IVF Outcome Counseling Based on the Model Combining DHEAS and Age in Patients with Low AMH Prior to the First Cycle of GnRH Antagonist Protocol of Ovarian Stimulation, *International Journal of Endocrinology*, (2013) vol. 2013, pp. 1-7. DOI: 10.1155/2013/637919, <http://www.hindawi.com/journals/ije/2013/637919/>
14. Asja Legovic, Barbara Mady Marcic, Ana Skrinjaric, Marta Zuvic Butorac, Senka Mestrovic, Marina Lapter Varga: Importance of Interincisal Index for Predicting Mesiodistal Crown Diameters of Canines and Premolars, *Coll.Antropol.*36(2012) 4:1287-1291. http://www.collantropol.hr/_doc/Coll.%20Antropol.%2036%20%282012%29%204:%201287%E2%80%931291.pdf
15. Kristian Desa; Mladen Peric; Ino Husedzinovic; Alan Sustic; Anđelko Korusic; Vjekoslav Karadza; Drazen Matlekovic; Branka Prstec-Veronek; Marta Zuvic-Butorac; Jadranko Sokolic; et al.: Prognostic performance of the Simplified Acute Physiology Score II in major Croatian hospitals: a prospective multicenter study, *Croat. Med. J.* 53, 442 (2012), <http://www.ncbi.nlm.nih.gov/pubmed/23100206>
16. S. Rukavina, M. Zuvic-Butorac, J. Ledic, B. Milotic, R. Jurdana-Sepic: Developing positive attitude towards science and mathematics through motivational classroom experiences, *Science Education International* (2012) 23(1):6-19 <http://www.icaseonline.net/sei/march2012/p1.pdf>
17. A.Dekanic, R. D. Dintinjana, I. Budisavljevic, S. Pecanic, M. Zuvic Butorac, N. Jonjic: Strong nuclear EGFR expression in colorectal carcinomas is associated with cyclin-D1 but not with gene EGFR amplification, *Diagnostic Pathology* (2011) 6:108. <http://www.diagnosticpathology.org/content/6/1/108>
18. M. Žuvić-Butorac, N. Rončević, D. Nemčanin, Z. Nebić : Blended E-Learning in Higher Education: Research on Students' Perspective, *Issues in Informing Science and Information Technology* (2011), 8:409-429. <http://iisit.org/Vol8/IISITv8p409-429Zuvic247.pdf>
19. M.Zuvic-Butorac, Z. Nebić, D. Nemčanin, T. Mikac, P. Lučin: Establishing an Institutional Framework for an E-learning Implementation – Experiences from the University of Rijeka, Croatia, *Journal of Information Technology Education* (2011), 10: IIP 043-056., <http://www.jite.org/documents/Vol10/JITEv10IIPp043-056Zuvic946.pdf>
20. Protic Alen; Horvat Mladen; Komen-Usljebrka Helga; Frkovic Vedran; Zuvic-Butorac Marta; Bukal Krešimir; Sustic Alan: Benefit of the minimal invasive ultrasound-guided single shot femoro-popliteal block for ankle surgery in comparison with spinal anesthesia. *Wiener klinische Wochenschrift* (2010) 122(19-20):584-7. <http://www.researchgate.net/publication/46414722>

21. Protic A. Bobinac Mirna; Ivancic Aldo; Zuvic-Butorac Marta; Sustic Alan; Jakljevic Tomislav: Effect of preoperative feeding on gallbladder size and peristaltic of the small bowel following spinal anesthesia for the hip surgery. *Collegium antropologicum* 2010;34 Suppl 2():195-8. <http://hrcak.srce.hr/51656>
22. Alen Protic, Dean Turina, Dubravka Matanic, Josip Spanjol, Marta Zuvic-Butorac, Alan Sustic: Effect of preoperative feeding on gastric emptying following spinal anesthesia: a randomized controlled trial. *Wiener Klinische Wochenschrift*. 122 (2010): 1-4. <http://www.researchgate.net/publication/41533129>
23. B. Mady Maričić, M. Legović, M. Šljaj, M. Lapter Varga, M. Žuvić Butorac and M. Kapović: Presence of Third Molar Germs in Orthodontic Patients with Class II/2 and Class III Malocclusions. *Collegium antropologicum* 33 (2009) 4: 1171-1175 <http://hrcak.srce.hr/51490>
24. M.Žuvić-Butorac, Z.Nebić: Institutional Support for E-learning Implementation in Higher Education Practice: a Case Report of University of Rijeka, Croatia. *Proceedings of the International Conference on Information Technology Interfaces ITI 2009*, art.no. 5196130, (2009) pp.479-484 <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&number=5196130>
25. Batičić L., Varljen N., Žuvić-Butorac M., Kapović M., Varljen J. Potential Value of Hepatic Lipids from White Sea Bream (*Diplodus sargus*, L.) as a Good Source of Biomedical Components: Seasonal Variations. *Food Technol. Biotechnol.* 47 (3) 260-268 (2009). http://hrcak.srce.hr/index.php?show=clanak&id_clanak_jezik=62476
26. Kunišek, Juraj; Zaputović, Luka; Žuvić-Butorac Marta; Kunišek Leon; Lukin-Eškinja, Ksenija; Karlavaris, Rade; Bruketa-Markić, Irena. The prevalence of supraventricular arrhythmias with regard to the type and degree of left ventricular hypertrophy in patients with hypertensive heart disease. // *Wiener Klinische Wochenschrift*. 120 (2008) , 5-6; 171-177 <http://link.springer.com/article/10.1007%2Fs00508-008-0939-z>
27. Stimac D., Krznaric Zrnica I., Radic M., Zuvic-Butorac M. Outcome of the biliary acute pancreatitis is not associated with body mass index. *Pancreas*. 34(1)(2007):165-167. <http://www.ncbi.nlm.nih.gov/pubmed?term=12>.
28. Žuvić-Butorac M. Characteristics of categorical data analysis. *Acta Medica Croatica*, (2006) 60 Suppl 1, pp.63-79 <http://www.ncbi.nlm.nih.gov/pubmed?term=%C5%BDuvi%C4%87-Butorac%2C%20M.%20Characteristics%20of%20categorical%20data%20analysis>
29. Žuvić-Butorac, Marta; Herak-Kramberger, Carol M.; Krilov, Dubravka; Sabolić, Ivan; Herak, Janko N. EPR study of lipid phase in renal cortical membrane organelles from intact and cadmium-intoxicated rats. *Biochimica Biophysica Acta - Biomembranes*. 1718 (2005) , 1-2; 44-52. <http://www.sciencedirect.com/science/article/pii/S0005273605003135>
30. Brajenović-Milić, Bojana; Tišlarić, Dubravka; Žuvić-Butorac, Marta; Bačić, Josip; Petrović, Oleg; Ristić, Smiljana; Mimica, Marko; Kapović, Miljenko. Elevated Second-trimester Free beta-hCG as an Isolated Finding and Pregnancy Outcomes. *Fetal Diagnosis and Therapy*. 19 (2004) , 6; 483-487. <http://content.karger.com/ProdukteDB/produkte.asp?Doi=80159>
31. Krilov D., Herak J.N., Zuvić-Butorac M., Stojanović N. Oxidation-induced spin probes in low-density lipoproteins. *Croatica Chemica Acta*. 77 (2004) ; 307-311. http://public.carnet.hr/ccaca/CCA-PDF/cca2004/v77-n1_n2/CCA_77_2004_307-311_krilov.pdf
32. Baumgaertner A, Žuvić-Butorac M, Grudinin S : Recent results from computer simulations of membrane channels and pumps, u S.G. Pandalai (urednik) *Recent Research Developments in Biophysics*, Vol.2, Transworld Research Network, Trivandrum, India, 2003.
33. Tišlarić, Dubravka; Brajenović-Milić, Bojana; Ristić, Smiljana; Latin, Višnja; Žuvić-Butorac, Marta; Bačić, Josip; Petek, Marjan; Kapović, Miljenko. The influence of smoking and parity on serum markers for Down's syndrome screening. *Fetal Diagnosis and Therapy*. 17 (2002) , 1; 17-21 <http://content.karger.com/ProdukteDB/produkte.asp?Aktion=ShowAbstractBuch&ArtikelNr=47999&ProduktNr=227537>
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35. Zuvić-Butorac M., Križ J., Simonić A., Schara M. Fluidity of the myelin sheath in peripheral nerves of diabetic rats. *Biochimica et Biophysica Acta*. 1537 (2001) , 2; 110-116. <http://www.sciencedirect.com/science/article/pii/S09255443901000631>
36. Zuvić-Butorac M., Batista U., Schara M. EPR spectra of cell membranes: A comparative study of erythrocytes and fibroblasts. // *Periodicum Biologorum*. 103 (2001) , 3; 235-240. <http://www.worldcat.org/title/epr-spectra-of-cell-membranes-a-comparative-study-of-erythrocytes-and-fibroblasts/oclc/441701278>
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39. Bratanic, B.; Zuvic-Butorac, M.; Batista, U.; Nemeč, M.; Schara, M.: Toxic effects of bilirubin on V-79 cells: II. EPR study of membrane structuring, *Pfluegers Archiv European Journal of Physiology* Volume: 431 Issue: 6 SUPPL. 2 Pages: R170 (1996) BCI:BCI199699074936
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41. Šolić, Franjo; Žuvić, Marta. Influence of ouabain on the resting potential of plant cell and isolated protoplasmic droplet. *Studia Biophysica* (1990) 138:169-173 WOS:A1990ER53000020+

Papers in Conference Books

1. Anic, F; Zuvic-Butorac M; Stimac, D; Novak, S. New classification criteria for systemic lupus erythematosus correlate with disease activity. *Clinical and Experimental Rheumatology* Volume: 33 Issue: 3 Pages: S76 Published: MAY-JUN 2015
2. Z Madzar, Z Cubranic, S Matijevic, V Tomulic, S Dvornik, M Zuvic Butorac, L Zaputovic. Uric acid as a predictive biomarker of 30-day outcomes after acute myocardial infarction: A retrospective cohort study. *European Journal of Heart Failure*, Vol.11, Supplement (2012)
3. Kunišek, J ; Zaputovic, L ; Butorac, Zuvic M.; Kunisek, L; Rapaic, SV:. The Impact of Individual Blood Pressure Components on the Type and Degree of the Left Ventricular Hypertrophy, *Kidney & Blood Pressure Research* (2010) vol 35. p. 422
4. Jurdana-Sepic, R., Milotic, B., Zuvic-Butorac, M., Assessment of scientific literacy on basic concepts in mechanics, *Frontiers in physics education, Selected contributions*, Jurdana-Sepic, R; Labinac V, Zuvic - Butorac M., Susac A. (ed), Rijeka; Golden Section Society, Rijeka, 2008, p. 481
5. Jurdana-Šepić, Rajka; Milotić, Branka; Žuvić-Butorac, Marta: Projekti udruga u popularizaciji i unaprjeđivanju učenja i poučavanja fizike (NGO projects in physics communication and development of physics teaching and learning), *Interaktivna nastava fizike / Pečina, Planinka* (ed). - Zagreb : Hrvatsko fizikalno društvo , 2009. 94-98 (ISBN: 978-953-7178-13-0).
6. B. Milotić, M. Žuvić-Butorac, S. Rukavina, R. Jurdana-Šepić, J. Ledić: Promocija održivog razvoja kroz Festival znanosti u Rijeci, Cjeloživotno učenje za održivi razvoj, *Učiteljski fakultet Sveučilišta u Rijeci, Rijeka, 2008.*, svezak 2, str. 321- 326.
7. M.Žuvić-Butorac: Education Quality Improvement by E-learning technology, *Quality Management and Communication in Higher Education*, 2007, p.83-94
8. Žuvić-Butorac, Marta: University of Rijeka – e-university, *Tempus EQIBELT 1st Policy Workshop on Creating University E-Learning Vision and Strategy*, Dubrovnik, 2006.
9. R.Jurdana-Šepić, M. Žuvić-Butorac, B.Milotić, B.Šaina: Modelling of early physical concepts in classroom and e-environment. *GIREP Conference Modelling in Physics and Physics Education*, Amsterdam, Netherlands, August. 2006, p. 124
10. Jurdana-Šepić, Rajka; Milotić, Branka; Žuvić-Butorac, Marta. Physics communication through science festival –from bottom to the top of the educational pyramid // *Third INTERNATIONAL GIREP Seminar on Informal Learning and Public Understanding of Physics / Planinšič, Gorazd ; Čepič, Mojca* (ur.).Ljubljana, 2005.
11. Žuvić-Butorac, Marta; Milotić, Branka; Jurdana-Šepić, Rajka. Workshops in physics – ; from kitchen to www // *International Conference: Teaching Physics in Europe – ; exchanging experiences between EU-countries and their neighbours / G.Pohl* (ur.).Linz, Austria, 2005
12. Žuvić-Butorac, Marta; Milotić, Branka. Konstruktivističke radionice za nastavnike // *Zbornik radova sa sedmog simpozija o nastavi fizike HFD / Buljubašić, Mladen ; Knežević, Stjepan* (ur.).Split : HFD, 2005., 165-170.
13. Žuvić-Butorac, Marta; Jurdana-Šepić, Rajka; Milotić, Branka. Constructivistic workshops for children in physics teacher education // *Michelini, Marisa* (ur.).Udine, Italia : Forum Editrice Universitaria Udinese, 2004. 409-413
14. Milotić, Branka; Žuvić-Butorac, Marta; Jurdana-Šepić, Rajka, Mandić, Magda. Konstruktivističke radionice za djecu u obrazovanju nastavnika fizike // *4. znanstveni sastanak HFD, knjiga sažetaka / Kumerički, Krešimir* (ur.).Zagreb : HFD, 2003. 96
15. Žuvić-Butorac, Marta; Jurdana-Šepić, Rajka; Milotić, Branka. Constructivistic workshops for children in physics teacher education // *Second INTERNATIONAL GIREP Seminar on Quality Development in Teacher Education and Training Pre-seminar book / Longhetto, C. ; Michelini, M., Pugliese Jona, S. ; Stefanel, A* (ur.).Udine : Physics department University of Udine, 2003. 63

Papers in Conference Abstract Books

16. Lara Batičić, Neven Varljen, Marta Žuvić-Butorac, Miljenko Kapović, Jadranka Varljen: Seasonal variations in the hepatic fatty acid compositions of *Diplodus Sargus* captured in the North Adriatic Sea, Croatia. *Congress of the Croatian Society for Biochemistry and Molecular Biology 2008, Osijek, 17-20.Sept 2008, Book of Abstracts*, p.65.
17. Krznarić-Zrnčić, Irena; Radić, Mladen; Milić, Sandra; Šimin, Marija; Žuvić-Butorac, Marta; Štimac, Davor. Da li je debljina čimbenik rizika za razvoj teškog akutnog pankreatitisa? // *Knjiga sažetaka*. 2006. P2-P2 (poster, sažetak, znanstveni).
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22. Žuvić-Butorac, Marta; Križ, Jasna; Simonić, Ante; Schara, Milan. Fluidity of the myelin sheath is changed in the peripheral nerves of diabetic rats. // Life sciences conference 1999. Gozd Martuljek, Slovenija, 1999. 71
23. Bratanič, Borut; Žuvić-Butorac, Marta; Batista, Urška; Nemeč, Marijana; Schara, Milan. The effect of bilirubin on the membrane lateral domain structure of mouse neuroblastoma cells // Spectroscopy in Theory and Practice / Veber, M. (ur.). Ljubljana : Slovenian Chemical Society, 1997. 239-239
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26. Žuvić-Butorac, Marta; Schara, Milan; Nemeč, Marjana. Lateral and transversal heterogeneity of human erythrocyte membrane // Supramolecular Structure and Function / Pifat-Mrzljak, Greta (ur.). Zagreb : Croatian Society of Natural Sciences, 1997. 153-153
27. Žuvić-Butorac, Marta; Schara, Milan. EPR spectra of cell membranes: A comparative study on erythrocytes and fibroblasts // 9th Symposium "Spectroscopy in theory and practice". 1995. 61
28. Žuvić-Butorac, Marta; Schara, Milan. Lateral heterogeneity of biomembranes: an EPR study on erythrocytes and fibroblasts // Life Sciences 1995 / Ribarič, Samo ; Zorec, Robert (ur.). Ljubljana : Physiological Society of Slovenia, 1995. 70

Book Chapter

1. M. Žuvić-Butorac: *Education Quality Improvement by E-learning Technology*, in Quality Management and Communication in Higher Education, p. 83-94, AZP Grafis, Zagreb 2007, ISBN 978-953-7571-01-6
2. Baumgaertner A, Žuvić-Butorac M, Grudin S : *Recent results from computer simulations of membrane channels and pumps*, in S.G. Pandalai (ed) *Recent Research Developments in Biophysics, Vol.2, Transworld Research Network, Trivandrum, India (2003)*, p. 1-37

Textbooks

1. Ažman, Josip, ..., Žuvić-Butorac, Marta. *Medicinska informatika / Medical Informatics* (eds. Kern, J., Petrovečki, M.) Zagreb : Medicinska naklada, 2009., ISBN 978-953-176-418-6
2. Marta Žuvić-Butorac, Gordana Brumini: FIZIKA/PHYSICS, textbook, ISBN 978-953-6911-28-8, Veleučilište u Rijeci, Rijeka 2008.

Professional book

1. Sanja Rukavina, Branka Milotić, Rajka Jurdana-Šepić, Marta Žuvić-Butorac, Jasminka Ledić: *Razvoj prirodnoznanstvene i matematičke pismenosti aktivnim učenjem, Udruga Zlatni rez Rijeka 2010*, ISBN 978-953-55066-2-1.

Editor to Conference Proceedings

1. *GIREP-EPEC Conference Opatija 2007, Book of abstracts, Faculty of Arts and Sciences, Rijeka 2007*, Jurdana-Sepić, R; Zuvić - Butorac M., Labinac V, Susac A. (eds) ISBN 978-953-6104-57-4
2. *Frontiers of physics education, Selected contributions, Golden section Society, Rijeka, 2008*, Jurdana-Sepić, R; Labinac V, Zuvić - Butorac M., Susac A. (eds), ISBN 978-953-55066-1-4

Other selected contributions

1. Strategy of E-learning development on University of Rijeka 2011-2015 (team leader)
2. Strategy of E-learning implementation on University of Rijeka 2006-2010 (team leader)
3. M. Žuvić-Butorac, 2005: A research on current level of IT use in School of Medicine, University of Rijeka (Preparational document for Strategy of University of Rijeka 2007-2013) (paper, not published)

List of scientific and professional references

Higher Education TEACHING

Graduate and undergraduate programs

- Lectures** STATISTICS AND DATA ANALYSIS IN SCIENTIFIC RESEARCH, graduate studies of Drug research and development, Biotechnology in medicine and Medicinal chemistry, Department of Biotechnology, University of Rijeka (2013.-)
 BIOPHYSICS, undergraduate study of Biotechnology and drug research, Department of Biotechnology, University of Rijeka (2013.-)
 INTRODUCTION TO MODERN PHYSICS, undergraduate study of shipbuilding, Technical faculty, University of Rijeka, 2012.,- present
 IMAGING TECHNIQUES, undergraduate study of computing, Technical faculty, University of Rijeka, 2011.,-2013.
 PHYSICS FOR BIOMEDICINE, undergraduate study of computing, Technical faculty, University of Rijeka, 2011.,-2013.
 INFORMATION SYSTEMS IN MEDICINE, undergraduate program of Management in medicine, Medical Faculty, 2005.-2009.
 PHYSICS AND ELECTRONICS occupational program for physiotherapists Medical Faculty Rijeka 1997-2004.
 SCIENCE for primary school teachers , Faculty of Arts and Sciences, University of Rijeka 1993-1998. ; 2014.
- Seminars** SEMINARS IN PHYSICS AND BIOPHYSICS study of Medicine, Medical Faculty Rijeka 2000-2004.
 PRACTICALS IN EXPERIMENTAL CLASSROOM WORK students of mathematics and physics, 1995-2000.
 PRACTICALS IN PHYSICS I students of mathematics and physics Faculty of Arts and sciences, 2006.
 PRACTICALS IN PHYSICS II students of mathematics and physics Faculty of Arts and sciences, 2005.
- Practicals** PRACTICALS OF PHYSICAL MEASUREMENT occupational program for physiotherapists Medical Faculty Rijeka 2000-04.
 PRACTICALS IN PHYSICS AND BIOPHYSICS study of Medicine, Medical Faculty Rijeka 1990-2004.
 PRACTICALS IN BIOSTATISTICS study of Medicine, Medical Faculty Rijeka (1998-2000).

Postgraduate programs

Doctoral Studies

- Lectures** SCIENTIFIC RESEARCH METHODOLOGY IN MEDICINE, Doctoral study of Medicinal Chemistry, Department of Biotechnology, University of Rijeka (20 hours, 5 ECTS), 2014./15. -
 METHODS OF MEDICAL INFORMATICS IN RESEARCH, doctoral study program Biomedicine, University of Rijeka, participation in Lectures (head: prof.dr.sc. Mladen Petrovečki), 6 hours (2012.-)
 STATISTICAL METHODOLOGY OF SCIENTIFIC WORK, continuing education for MDs, 2004.- 2006.

Projects

- 2019-2021 RPL in Practice, representative of University of Rijeka (academic project partner)
 2016 Digital Competence Framework for educators in Croatia, project leader
 2006-2009 Tempus EQIBELT- „Education Quality Improvement by E-learning Technology“, project leader for University of Rijeka
 2007-2008 Physics in public spaces, MZOS, role: collaborator, head of the project: dr.R.Jurdana-Šepić
 2007-2009 Development of scientific and math literacy by active learning, role: collaborator, head of the project prof. Sanja Rukavina
 2002-2004 Free radicals in biological systems, role: collaborator, head of the project: prof.dr. D.Krilov
 2002-2004 Experiment in construction of physical models and concepts, role: collaborator, head of the project: dr.R.Jurdana-Šepić
 2002-2004 Prenatal Down syndrom test prof. role: consultant for the statistical data analysis, head: dr.B.Brajenović-Milić
 2003-2005 Hokus-pokus-physics, project within e-school of Croatian Physics Society, role: collaborator, head of the project: prof. Rajka Jurdana-Šepić, http://eskola.hfd.hr/hokus_pokus/index.htm
 1998-2001 Environmental Influence to the biological membrane structure and function, role: head
 1997-2000 Different factors influence the cell membrane potential, role: collaborator, head of the project:prof. dr.F.Šolić
 1995-1998 Influence of the chemical factors to cell membrane potential MZT, role: collaborator, head of the project:prof. dr.F.Šolić

Laboratory work – collaborations:

- 2003-2004 Institute for medical research and occupational medicine, head of the team: prof.dr.I.Sabolić
 2002 Forschungszentrum Juelich, Germany, Modelling and simulations in molecular biophysics, head of the team: dr. A.Baumgaertner
 2001 Department of Pharmacology, Medical Faculty Rijeka collaboration with dr J.Križ , head of the team: prof.dr.A.Simonić
 1993-2003 Biophysical Laboratory, Institute J.Stefan, Ljubljana, Slovenia, head of team and mentor of PhD : prof.dr.M.Schara
 1991 Patch-clamp laboratory, Botanical Institute University of Bonn, Germany head of the team: prof.dr. Kurt Koehler

Active participation on Conferences

- 2011 Informing Science and IT Education InSITE 2011, Novi Sad, Serbia
 2009 Information Technology Interfaces ITI 2009 Cavtat, Croatia
 2008 Congress of the Croatian Society for Biochemistry and Molecular Biology Osijek, Croatia
 2007 Quality Management and Communication in Higher Education, Korčula, Croatia

- 2006 GIREP EPEC Conference Frontiers of Physics Education, Opatija, Croatia
- 2005 GIREP Conference on Modelling in Physics and Physics Education, Amsterdam; Netherlands
- 2005 3rd International GIREP Seminar on Informal Learning and Public Understanding of Physics, Ljubljana, Slovenia
- International Conference: Teaching Physics in Europe – exchanging experiences between EU-countries and their neighbours, Linz, Austria 2003 - 13th International Symposium Spectroscopy in Theory and Practice, Nova Goriza, Slovenija
- Quality Development in Teacher Education and Training, 2nd International Girep Seminar, Udine, Italija
- 2002 International workshop on lipid-protein interactions, Gomadigen, Germany
- 2001 12th International Symposium "Spectroscopy in theory and practice", Bled, Slovenia
- 2000 3rd European Biophysics Congress, Muenchen, Germany
- 3rd international Dubrovnik NMR course/conference, Dubrovnik
- 1999 3rd Meeting of the slovenian biochemical society, Portorož, Slovenia
- Life Sciences Conference 1999, Gozd Martuljek, Slovenia
- 1997 10th Symposium "Spectroscopy in theory and practice", Bled, Slovenia
- 4th International Summer School on Biophysics Supramolecular Structure and Function
- 1995 Life sciences 95, Gozd Martuljek, Slovenia
- 9th Symposium "Spectroscopy in theory and practice", Bled, Slovenia
- 1990 Biophysics of membrane processes, Opatija, Croatia

Reviewer

International journal of science and technology education research
 Jordanian Journal of Computers and Information Technology
 Journal of Pharmacy and Farmacology
 Biochimica Biophysica Acta
 Biochemia Medica
 Medicina Fluminensism
 Ministry of Science, Education and Sports, reviewer for IT-projects.
 MIPRO Conference

Membership

Golden Section, society for development of science and mathematics education, founder and president 2004.-2016.
Universitas, society for the development of higher education, founder (in 2000.) and board member (2007-2015), president 2015.-2017.
Society of Mathematicians and Pyhysicsts Rijeka, member since 1990., board member 1998-2000.
Croatian Physical Society, member since 1998.
Croatian Biophysical Society, member since 1991., board member 1998-2002.
Informing Science Institute, member since 2011.