

## PERSONAL INFORMATION

Name and surname	Aleksandar Milovanović
Date and place of birth	18.01.1985, Kragujevac
Scientific title	Senior Technical Associate
E-mail	acakg85@hotmail.com
Educational-scientific / educational-artistic field	Technical and Technological Sciences
University, Faculty, Organizational unit	University of Kragujevac, Institute for information Technology
Research field and areas	Mechanical Engineering, Bioengineering

## EDUCATION

### BACHELOR

Year	2003
Place	Kragujevac
Institution	Faculty of Mechanical Engineering

### MASTER STUDIES

Year	-
Place	-
Institution	-

### DOCTORAL DISSERTATION

Year	2020
Place	Kragujevac
Institution	Faculty of Mechanical Engineering
Title of doctoral dissertation	-
Scientific title	-
Research area	bioengineering

## **PROFESSIONAL BIOGRAPHY – ELECTION IN RESEARCH OR SCIENTIFIC TITLE**

Date	Institution	Scientific title
04.05.2015	Faculty of Engineering University of Kragujevac	Research Assistant
23.05.2019	Faculty of Engineering University of Kragujevac	Research Assistant
23.05.2022	Institute for information Technology	Senior Technical Associate

## **PROFESSIONAL BIOGRAPHY - TRAINING**

Year	Institution	Duration

## **ENGAGEMENT IN THE FORMATION OF SCIENTIFIC PERSONNEL**

**PARTICIPATION IN NATIONAL PROJECTS FINANCED BY MINISTRY OF EDUCATION/MINISTRY OF SCIENCE AND TECHNOLOGICAL DEVELOPMENT/SCIENCE FUND OF THE REPUBLIC OF SERBIA:**

## **PARTICIPATION IN INTERNATIONAL PROJECTS**

## **MEMBERSHIP IN SCIENTIFIC AND PROFESSIONAL ASSOCIATIONS**

## **ORGANIZATION OF NATIONAL/INTERNATIONAL SCIENTIFIC MEETINGS (CONFERENCES, CONGRESSES...)**

**LIST OF SCIENTIFIC PAPERS:**

Monographs, Monographic studies, Thematic anthologies	Sum
Papers published in scientific journals of international scientific importance M23	Sum
	1
<p>1. <b>Milovanovic, Aleksandar, Saveljic, Igor, and Filipovic, Nenad.</b> 'Numerical Vs Analytical Comparison with Experimental Fractional Flow Reserve Values of Right Coronary Artery Stenosis'. 1 Jan. 2022 : 1 – 14.</p> <p>DOI: 10.3233/THC-220435</p>	
Proceedings of international scientific conferences M33	Sum
	3
<p>1. <b>A. Milovanović, I.Saveljić, S. Savić, N.Filipović</b>, 3D reconstruction and numerical calculation of fractional flow reserve in atherosclerotic coronary arteries, The Serbian Society of Mechanics invites you to its 7th International Congress, Sremski Karlovci 2019.</p> <p>2. <b>A.Milovanović, I.Saveljić, Exarchos T., Parodi O. and N.Filipović</b>, Numerical approah for determination of virtual functional assessment index in coronary artheries, Volume 40- No. 1 (Special Edition) 2018, pp. 85, ISSN 2334-6590, BelBi 2018</p> <p>3. <b>Aleksandar Milovanović, Igor Saveljić, Olivera Jovanikić, Nenad Filipović</b>, Numerical analysis of blood flow through the cerebral aneurism, The 8th International Congress of the Serbian Society of Mechanics Kragujevac, Serbia, June 28-30, 2021, ISBN 978-86-909973-8-1</p>	
Proceedings of national scientific conferences	Sum
Monographs of national importance	Sum
Scientific papers in national journals M51	Sum

	<b>2</b>
<ol style="list-style-type: none"> <li>1. Jurišević N., Josijevic N., Rakić N., <b>Milovanović A.</b>, Specific energy consumption in pre-school institutions in Kragujevac, Energy Economy Ecology, Vol.17, No.1-2, pp. 390 - 396, ISSN 0354-8651, 2016</li> <li>2. Bošković G., Jovanović S., Jovičić N., Djordjević Z., <b>Milovanović A.</b>, Energetski aspekti sistema upravljanja komunalnim otpadom - slučaj grada Kragujevca, Energija, ekonomija i ekologija, Vol.3-4, No.17, pp. 312-318, ISSN 0354-8651, 2015</li> </ol>	
<b>National journal M53</b>	<b>Sum</b>
	<b>2</b>
<ol style="list-style-type: none"> <li>1. Miloš Anić, Slobodan Savić, Aleksandar Milovanović, Miljan Milošević, Bogdan Milićević, Vladimir Simić, Nenad Filipović, SOLUTION OF FLUID FLOW THROUGH THE LEFT HEART VENTRICLE, Applied Engineering Letters, Vol.5, No.4, pp. 120-125, ISSN 2466-4677,</li> <li>2. S. Starcevic, S. Savic, N. Filipovic, A. Milovanovic, M. Djordjevic, ABDOMINAL AORTIC ANEURYSM – COMPUTER MODELLING AND NUMERICAL SOLUTION, Applied Engineering Letters, Vol.6, No.2, pp. 80-87, ISSN 2466-4677</li> </ol>	
<b>Technical solutions</b>	<b>Sum</b>
<b>Patents</b>	<b>Sum</b>

## CITATION OF SCIENTIFIC PAPERS

**Solution of fluid flow through the left heart ventricle**

Anić, M., Savić, S., Milovanović, A., ... Simić, V., Filipović, N.

Applied Engineering Letters this, 2020, 5(4), pp. 120–125 (3)

**BRIEF DESCRIPTION OF RESEARCH IN THE PREVIOUS PERIOD**

Study of the development of atherosclerosis in the carotid and coronary arteries. Data processing and creation of models for computer simulations using the finite element method.

**BRIEF DESCRIPTION OF PLANNED RESEARCH IN THE NEXT PERIOD**

Research related to analytical, numerical and experimental approach to determining FFR (Fractional flow reserve).