

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

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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. Milovanovic, Aleksandar, Saveljic, Igor, and Filipovic, Nenad. 'Numerical Vs Analytical Comparison with Experimental Fractional Flow Reserve Values of Right Coronary Artery Stenosis'. 1 Jan. 2022 : 1 – 14.</p> <p style="text-align: center;">DOI: 10.3233/THC-220435</p>	
Proceedings of international scientific conferences M33	Sum 3
<p>1. A. Milovanović, I.Saveljić, S. Savić, N.Filipović, 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. A.Milovanović, I.Saveljić, Exarchos T., Parodi O. and N.Filipović, Numerical approach 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. Aleksandar Milovanović, Igor Saveljić, Olivera Jovanikić, Nenad Filipović, 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

	2
<ol style="list-style-type: none"> 1. Jurišević N., Josijević N., Rakić N., Milovanović A., Specific energy consumption in pre-school institutions in Kragujevac, Energy Economy Ecology, Vol.17, No.1-2, pp. 390 - 396, ISSN 0354-8651, 2016 2. Bošković G., Jovanović S., Jovičić N., Djordjević Z., Milovanović A., 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 	
National journal M53	Sum 2
<ol style="list-style-type: none"> 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, 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 	
Technical solutions	Sum
Patents	Sum

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, 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).