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Position: **Professor**
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Education

- PHD, INPL(ENSEM),Nancy,France,1996
- MSC, INPL(ENSEM),Nancy,France,1993
- BSc, Sharif University of Technology, Tehran, Iran, 1989

Fields of Interest

- Simulation and Modeling in Biological System
- Biofluid-Mechanics
- CFD
- Tissue and Cell Engineering

Citation indices All Since 2020

• Citations	4837	1961
• H-index	41	23
• I10-index	104	61

Working Experience

- Professor, IUST, (2014-now).
- Associate Professor, IUST, (2010-2014).
- Assistant Professor, IUST, (1998-2010).
- Assistant Professor, Iranian organizations for science and technology, (1996-1998).
- Director of Tissue Engineering and Biological Systems Research Laboratory, School of Mechanical Engineering, IUST, (2013-present).
- Member of Professors Promotion Committee of IUST, (2014- 2016).
- Graduate Dean, Department of Mechanical Engineering, IUST (2006-2007), (2011-2013).
- Head of Biomechanics Group, School of Mechanical Engineering, IUST (2009-2011).
- Associate Dean in Educational Affair, School of Mechanical Engineering, IUST (2008-2009).
- Vice-Chancellor for Education, IUST (2005-2006).
- Dean of Education Affair, IUST, (2004-2005).
- Vice-Chancellor for Education, IUST Campus 2 (2011-2021).
- Director General of the Office of Non-Governmental Higher Education, Ministry of Science, Research and Technology (2025-persent)

Publications - Journal Papers

Pleas see the latest update of My Papers at Google Scholar
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- S Rahmani, M Navidbakhsh, M Alizadeh, Investigation of a new prototype of multi-balloons LVAD using FSI, Journal of the Brazilian Society of Mechanical Sciences and Engineering 40, 1-15, (2018)
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- A Karimi, T Sera, S Kudo, M Navidbakhsh, Experimental verification of the healthy and atherosclerotic coronary arteries incompressibility via digital image correlation, Artery Research 16, 1-7, (2016)

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- A.Tanbakoosaz, M.Navidbakhsh, " Influence of stent geometric traits on blood flow hydrodynamic parameters" 14th Iraninan Conference on Biomedical Engineering (ICBME2007)
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- S.Sadeghian, M.Navidbakhsh,R.Molae," Numerical flow analysis in actual model of human coronary" 3rd WSEAS inter. Conf. appl. and theo. mech.,spain(2007)
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- M.Navidbakhsh, H.M.Vafa,"Diagnosis of ST-elevation according to wavelet and nervous system"The 12th ICBME2005,Singapore,(2005)
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- M.Navidbakhsh, E.Khormali,"Blood-flow study in systemic pulmonary shunt:application of non-newtonian model"14th IASTED Applied Simulation and Modelling,(2005)
- M.Navidbakhsh,M.R.Naghavi,"Non-Newtonian behavior of blood flow in 3d-simulated model of carotid artery bifurcation"14th IASTED Applied Simulation and Modelling,(2005)
- M.Navidbakhsh, M.R.Naghavi," Study on carotid artery bifurcation lesions, using CFD"11th Iraninan Conference on Biomedical Engineering (ICBME2004)
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- M.Navidbakhsh ,A.Arefmanesh,M.Norooz zadeh,H.R.Moghadam, M,"3-D modeling of keratoplasty by finite element method "(In Farsi) 9th Iraninan Conference on Biomedical Engineering (ICBME2000)
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Courses Taught

- Lubrication
- Modeling and Simulation of Biological Systems
- Biofluid
- Artificial Organs