CURRICULUM VITAE

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Ali Amiri (Mr)

Editorial Board in International Journal of Scientific Study . Thomson Reuters (ISI).

Personal Information:

First Name: Ali
Last Name: Amiri
Sexual: male

Birth Date: 17/12/1987 **Marriage Status:** Single

Education:

Doctor of Philosophy (Ph.D)

oField: Micro and Nano Mechanical Theory

o Address: Tsinghua University, Beijing, China

o Average Total score: 93 out of 100

o Rank: Rank 1 in 69 in Ph.D Student 2014

Books:

- 1 _ Magnetic NanoFluid , Author Ali Amiri , ISBN : 978-600-7214-65-7, 1 / Feb / 2014.
- **2** _ Energy and Mass Transport Within Carbon Naotubes , Author Ali Amiri , ISBN :978-600-94748-6-8 , 27 / June / 2015 .
- 3_ Nanofluids Convective Heat Transfer , Author Ali Amiri , ISBN : 978-600-843596-9. 23 / Feb / 2017 .
- **4**_ Instability in Flow Boiling in Microchannels. Translator Ali Amiri. ISBN: 978-600-8435-95-2. 23 / Feb / 2017.

Inventions:

- **1** Design Lath with 16 speed gearbox, Registration number: 79675.
- 2 _ Design and Manufacturing Of Special robot for Sterilization Hospitals without any worker presence , Registration number: 79655.

- **3** _ Design and Manufacturing Of heterogeneous piezoelectric thick wall Cylinder Under Mechanical load, Registration number: 81688.
- **4** _ X-ray protective footwear with nanotube structure, Registration Number: 85329.
- **5** Galvanized welded wire with Nanographene, Registration Number: 85371.
- **6** Construction Nano-hydroxyapatite (NANO HA) whitening toothpaste for better stability of Teeth , Registration Number : 87181.
- 7_ Construction Systems Manufacturing Nano Metal Powders, Registration Number: 87868.
- **8**_ Design and Manufacture of an Intelligent Robot for Remote Surgery with the ability to Remove Vibration during Operation with an adaptive Neural controller, Registration Number: 91005.

Editor - in -Chief in Journal:

- 1_ International Journal of Energy Studies, ISSN: 1394-0010. Iran.
- **2**_ International Journal of Science and Engineering , ISSN: 1394-0094. Iran .
- **3**_ Journal of Electrical and Mechanical Engineering , ISSN: 1394-0067. Iran.
- 4 International Journal of Materials Science Research . ISSN: 1394-0033. Iran .
- 5 International Journal of Mechanical Engineering Research . ISSN:1394-0013. Iran.
- 6_ International Journal of Energy and Environment Research. . ISSN: 1394-0012. Iran.
- 7_ International Journal of Engineering Management Research . ISSN: 1394-0008. Iran.
- 8_ International Journal of Engineering and Technology Research . ISSN: 1394-0026. Iran.

Editorial Board Member in Journal:

- **1**_International Journal of Scientific Study. Print ISSN:2321-6379 , Online-ISSN: 2321-595X. Thomson Reuters (ISI). India.
- 2_ American Journal of Clinical & Medical Images . USA
- 3_ Member of Editorial Board in Journal of Applied Researches in Technical and Engineering , ISSN: 2423-3863 . Iran.
- **4**_ UCT Journal of Research in Science, Engineering and Technology. ISSN: 2382-977X. Iran.
- 5 Journal of Science and Engineering Elites. ISSN: 2538-581X. Iran.
- **6**_ Research in chemistry and chemical engineering . ISSN: 2588-2805. Iran.

7_ Research in computer science, ISSN: 2588-2783. Iran.

Member of Scientific Arbitration Committee at National and International Conferences:

- 1 $_$ 2nd International Conference on Modern Research and Result in Sciences , Engineering & Technology , Istanbul , Turkey . (10 Aug 2016) .
- 2_ 1st International Conference on Application of Research and Result in Sciences and Engineering, Tehran, Iran. (10 Sep 2016).
- 3_7th Conference on Recent Research in Science and Technology, Kerman, Iran. (13 Dec 2016).
- **4**_ 2^{nd} International Conference on Entrepreneurship , Creativity and Innovation. Shiraz , Iran .(21 Dec 2016).
- **5**_4 th International Conference on Electrical & Computer Engineering . Tehran , Iran . (12 Jan 2017).
- 6_ The First National Conference on Foodindustry & Superior Ideas, Shiraz, Iran. (12 Jan 2017).
- **7**_ National Conference on Science and Technology of Electrical , Computer and Mechanical Engineering of Iran , Tehran , Iran .(19 Jan 2017).
- **8**_ The First National Conference on Information Technology Engineering , Computer & Analysis. Shiraz , Iran . (2 Feb 2017) .
- 9 4th Conference & Exhibition of Environment, Tehran, Iran. (12 Feb 2017).
- 10_ The First National Conference on Mathematics and Statistics . Shiraz , Iran . (16 Feb 2017).
- 11_ The National Conference on Science and Technology of Engineering Sciences of Iran ,Tehran , Iran .(18 Feb 2017) .
- 12_ Sixth International Conference Emerging Trends in Energy Conservation. Tehran , Iran . (21^{th} / 22^{th} Feb 2017).
- 13_ First National Conference on Energy Engineering and Nanotechnology Iran, Tehran University, Iran. (21 Feb 2017).
- 14_ The First National Congress on Power and Energy, Shiraz, Iran. (23 Feb 2017).
- 15_ 1nd International Conference Electrical Engineering, Ardebil, Iran. (4 March 2017).
- 16_8th Conference on Recent Research in Science and Technology. Kerman, Iran. (15 March 2017).
- 17_ The First National eConference in Engineering and Nanotechnology , Shiraz , Iran .(15March 2017) .
- **18** Advances in Iran Aerospace and Aviation Industry Conference, Kerman, Iran. (15 Apr 2017).
- **19**_ 1st International & 3rd National Conference on Management and Humanistic Science Research . Tehran University , Iran . (3 May 2017).

- **20**_6th Annual Conference of Management and Branding. Tehran, Iran .(14 May 2017).
- **21**_ 4th International Conference on Green Economics . Babolsar, Iran . (15 May 2017).
- 22_ The Fifth International Conference on Oil , Gas , Refining & Petrochemical With focus Relationship Beetween Government , University & Industry . Shiraz, Iran .(20 May 2017).
- **23**_ 2th National Conference on Industrialization of Engineering Sciences in Iran , Shiraz ,Iran . (22 May 2017).
- 24_ 5th International Conference on Sciences, Engineering and Technology Innovations. Singapore Polytechnic University, Singapore. (1 June 2017).
- **25**_ Second National Congress on Change and Innovation in the Humanities . Shiraz , Iran .(8 June 2017) .
- **26**_ The First International Congress on Specialized Researches in Sciences , Engineering and Academic-Industrial Technologies . Shiraz , Iran .(15 June 2017).
- **27**_ World Congress on Management of Mental Health and Psychological Sciences. Tehran University . (29 June 2017).
- **28**_ International Conference on Applied Managementand Agile Organization . Tehran University . (29 June 2017).
- **29**_ The 3rd Annual Conference on Iran Agricultural Researches . Shiraz , Iran . (19 July 2017).
- **30**_ The 1st International Academic Congress on Culture, Languages and Literature|.Shiraz, Iran. (21 July 2017).
- 31 The First National Congress on Engineering Sciences . Shiraz , Iran . (22 July 2017).
- 32 2th National Conference on Research in Basic Science. Shiraz, Iran. (22 July 2017).
- 33_ 1st National Conference on Applied Researches in Sciences and Engineering, Eqbal Lahoori Higher Education Institute, Mashhad, Iran. (27-28 July 2017).
- **34**_ The Second Annual Conference on Applied Research in Electrical , Computer and IT Engineering . Shiraz , Iran . (10 Aug 2017).
- **35**_ The 3rd International Conference on Psychology , Sociology , Educational Sciences and Social Studies . Shiraz , Iran. (14 Aug 2017).
- 36_ The First International Conference on Research and Advance in GeoSciences .Shiraz , Iran . (17 Aug 2017) .
- 37_ The 1st National Conference on New Research of Natural and Life Sciences in Iran and World (NCNLS2017). Shiraz, Iran. (22 Aug 2017).
- **38-** The 1st International Academic Conference on Management , Applied Economics and Business . Tehran, Iran . (22 Aug 2017).

- **39**_ 1st International Conference on New achievement in Science & Technology. Tehran , Iran. (24 Aug 2017).
- **40**_ The First National Conference on New Research in Civil, Architucture, Environment and Sustainable Urban Development. Shiraz, Iran. (31 Aug 2017).
- **41**_ The First Annual Congress on Iranian Society of Engineers . Shiraz , Iran . (7 Sep 2017).
- **42**_ The 1st International Conference on Humanities , Social and Cultural Studies. Shiraz, Iran.(14 Sep 2017).
- **43**_ 2th National Conference on Science and Technology of Electrical , Computer and Mechanical Engineering of Iran , Tehran , Iran .(21 Sep 2017).
- **44**_ The 3^{rd} International Conference on Entrepreneurship , Creativity and Innovation. Shiraz, Iran . (21 Sep 2017).
- **45**_ 3^{rd} International Conference on Architectural , Civil and Urban Development at the Beginning of the third Millennium . Tehran , Iran . (21 Sep 2017).
- **46**_ 3th National Conference on Science and Technology of Electrical and Mechanical Engineering of Iran , Tehran , Iran .(21 Sep 2017).
- **47**_ The First International Congress on Modern and Advanced Researches in Science and Technology . Shiraz, Iran . (21 Sep 2017).
- **48**_ The 1st National Management Conference and Fuzzy Systems. Iran University of Science & Technology, Tehran, Iran. (21 Sep 2017).
- **49**_ National Conference on New approaches in Management , Accounting & Resistive Economy . Tehran, Iran. (28 Sep 2017).
- **50-** 4^{th} International Conference on Agricultural , Natural Resources and Sustainable Environment . Shiraz , Iran .(8 Oct 2017).
- **51**_ The 3rd National Conference on New Attention to the Change and Innovation in Education. Shiraz, Iran. (15 Oct 2017).
- **52**_ The First International Congress on Psychology , Counseling and life Culture .Shiraz , Iran . (15 Oct 2017).
- **53**_ National Congress on Chemistry and Nano-Chemistry, from research to national development . Tehran University . Iran. (18 Oct 2017).
- 54_ Scientific Secretary , The 2nd National Conference on Mechanical , Mechatronics, Aerospace, Design and Engineering. Shiraz , Iran . (19 Oct 2017).
- **54**_ State Congress of Latest Research in Management and Urban Planning .Tehran University .(15 Nov 2017).

- **55**_ 6th Conference & Festival of HSE and Incident Prevention. Tehran, Iran.(23 Nov 2017).
- **56**_ 4th National Conference on New Technologies and Technologies of Iran. Tehran , Iran . (14 Dec 2017).
- **57**_ 3th National Conference on Innovation and Research in Electrical ,Computer and Mechanical Engineering in Iran . Tehran , Iran . (16 Dec 2017).
- **58**_ 4th International Conference on Knowledge-Based Engineering and Innovation. Iran University of Science and Technology, Iran. (22 Dec 2017).
- **59**_ The International Scientific Conference on Challenges in Engineering , Technology and Applied Sciences . Dubai, UAE. (17-19 March 2018).

Journal Papers (ISI):

- 1_ Natural Convection Analysis Employing Entropy Generation and Heatline Visualization in a hollow L-shaped cavity filled with nanofluid using lattice Boltzmann method-Experimental thermo-physical properties, Physica E (Low-dimensional systems and nanostructures), Elsevier . ISSN: 1386-9477. Impact Factor: 2.22.(2017).
- **2**_ The effects of Ground Heat Exchanger Parameters Changes on Geothermal Heat Pump Performance A Review . Applied Thermal Engineering , **Elsevier** . ISSN:1359-4311 .Impact Factor : 3.35. (2017).
- **3** _ The Effect of Field on the Hydrodynamic and Thermal Behavior of Nanofluid in Steady mixed Convection Flow by using Two Phase Model , Praeparator Journal . Ali Amiri , ISSN: 0032-6542 , Impact Factor: 1.697 , (2014) .
- **4** The Influence Of Non Uniform Applied Magnetic Field In a Wavy Sinusoidal Channel, Philippine Scientist Journal, Ali Amiri¹, ISSN: 0079 1466, Impact Factor 1.523 (2012).
- 5_ Investigating Susceptibility Of Magnetic Nano Fluids Under The Influence Of Non– Uniform Magnetic Fluid . Philippine Scientist Journal , Ali Amiri ¹, ISSN : 0079-1466 , Impact Factor 1.523 . (2012).

International Conferences:

- 1 The Heat Transition of Carbon Nano tubes in Thermal Interface Materials , International Conference On Research in engineering, science and technology , Istanbul , Turkey ,(21 July 2015) .(Oral).
- **2 -** Investigation and Evaluation of CNTs thermal properties used in thermal interface materials , The International Conference in New Research of Industrial and Mechanical Engineering , Tehran , Iran , (26 Aug 2015).(Oral).
- **3-** Investigating The Hydrodynamic Behavior of a Nanofluid in a Curved Elastic tube , 2st International Conference on New Approaches in Sciences , Engineering and Technology , Istanbul , Turkey , (5-6 Nov 2015) .(Oral).

- **4-** Detailed Descriptions of Single Ion Transport and Ion Channels Nanoscale Phenomena in Liquids , 3rd International Conference on New Approaches in Sciences , Engineering and Technology , Dubai ,UAE, (9-10 Dec 2015) .(Oral).
- **5 -** Molecular Characterization Simulation and Analysis of Carbon Nanotubes (CNTs) by Energy-Equivalent Method , International Conference on Research in Science ,and Technology , Kualalumpur , Malaysia , (14 December 2015) .(Oral).
- **6-** Design and Development of new and effective Nano materials on Chemicals for conversion of electrical energy with high power .International Conference on Research in Science , and Technology , Kualalumpur , Malaysia , (14 December 2015).(Oral).
- 7- Analyzing hydrodynamic behavior of a Nano fluid in an elastic pipe and without magnetic field, 6th International Conference on Economics, Management and Engineering Science, BELGIUM BRUSSELS, (20, 21 & 22 Jan 2016).(Oral).
- **8-** An Investigation into Hydrodynamic Behavior of Magnetite Nanofluid Flow a Two-Dimensional Elastic Tube, International Conference on Recent Trends in Engineering and Materials Science, Jaipur National University, India, (ICEMSE-2016), (17-19 March 2016). (Oral).
- **9-** Simulation of Hybrid Photovoltaic System Linked with Storage system for the Application of Isolated .6 th International Conference on Engineering and Art ,SWEDEN , (30 Jun 2016) , (Oral).
- 10- Design and Fabrication of Carbon Nanotube for Conversion of Electrical Energy, 3rd International Conference on Engineering & Applied Sciences, Frankfurt University, Germany, (14 Sep 2016), (Oral).
- **11-** Heat Transfer Fluid in Solar Cells by Use of Nanoparticles , International Conference on Progress in Science and Technology , Austria , (20-21 September 2016) , (Oral).
- **12-** Forced Convective Heat Transfer of Nanofluids in Microchannels. International Conference on Innovation in Science & Technology, Barcelona, Spain, (14 October 2016), (Oral).
- **13-** Energy Harvesting for Nanosystems , 5th International Conference on Research in Science and Technology , London , England , (15 November 2016) , (Oral).
- **14-** New Method for Controlling of Solar-Wind System, 5 th International Conference on Science & Engineering, Paris, France, (13 December 2016), (Oral).
- **15-** New Method for Controllling of Solar-Wind System, International Conference on Research in Mechanical Engineering, Singapore, (15 December 2016), (Oral).
- **16-** Design and Manufacturing of Solar Cells . 2 nd International Conference on Mechanical and Aerospace Engineering . Tehran , Iran . (18 May 2017) , (Oral).

National Conferences:

1- The Effective use of Nano-Copper Alloy on Heat Transfer Fluid in Solar Cells, The First Congress on Sustainable Development in Nanomaterials, Nanostructures and Nanotechnology, Tehran, Iran, (19-20 May 2016), (Oral).

- **2**_Advances in superlubricity. The First National Conference on Progress in Science and Technology . Tehran , Iran . (19 Jan 2017) . (Oral).
- 3_ Numerical Study of Heat Transfer Performance of Nanofluids , 1St National Conference on Progress Management & Engineering . Iran University of Science and Technology , Tehran , Iran . (19 Jan 2017) . (Oral).
- **4**_ Numerical and Experimental Study in Superlubricity . 4th National & 2nd International Conference on Applied Research in Electrical , Mechanical & Mechatronics Engineering . Malek Ashtar University of Technology , Isfahan . (17 Feb 2017).(Oral).
- **5**_ Design and Fabrication of CNT-Silicon Solar Cells , First National Conference on Energy Engineering and Nanotechnology Iran . Tehran University . Iran. (21 Feb 2017).(Oral).
- **6**_ New Method for Controlling of Solar-Wind System . First National Conference on Energy Engineering and Nanotechnology Iran , Tehran University , Iran . (21 Feb 2017). (Oral).
- **7**_ Evaluation of Convective Heat Transfer of Nanofluid of Zirconia-Water . Buein Zahra Technical University . Qazvin , Iran. (20 Sep 2017). (Oral).
- **8**_ Experimental Evaluation of Convection Heat Transfer and Specifications of Viscose Pressure drop of Nano-fluid of Alumina-water . Buein Zahra Technical university .Qazvin , Iran. (20 Sep 2017). (Oral).

Teaching Experiences in University:

1 Farzanegan Institute of Higher Education Farzanegan University, (2017).

Titles and The International & National Honors:

- 1_ Gold medal at the International Festival of Innovation , Knowledge And Creations in Serbia , (13 16 oct 2013) (In This international Tournament 23 countries with 210 patents such as Iran , USA , Germany , England , Austria , Belgium , Slovakian , Czech Republic , Croatia , Bosna I Hercegovina , Turkey , Hungary , Bulgaria , Slovenia , Russia , China ,Italy , Macedonia , Poland , Ukraine , Sweden , Swiss , Taiwan active presence .
- 2_ Silver Medal at the International Festival of Innovation, (Geneva, Swiss) (17 April 2015) In This International Tournament 45 Countries such as Iran, USA, Germany, Korea, Poland, China, Japan, Bosna I Hercegovina, England, Italy, Russia, Hungary, Ukraine and etc active presence.
- 3_ Top Researcher of the Year, The Highest HSE Festival of 2016. Tehran, Iran. (2 Jan 2016).
- 4_ Top Researcher in 3^{th} Ecological Conference and Exhibition and Future Crisis , Abbaspour University , Tehran , Iran . (2 May 2016) .
- 5_{-} Top Researcher in 3^{th} International Conference of HSE on Developmental Projects. Mine. Oil . Gas and Power ,Tehran , Iran . (31 Oct 2016).
- **6**_ Top Country Researcher , 5th Annual Conference & Exhibition of HSE and Security Systems. Tehran , Iran . (9 Nov 2016).

- 7_ Top Referee in 4th Conference & Exhibition of Environment. Tehran, Iran. (12 Feb 2017).
- **8**_ Top Referee in 6th Annual Conference of Management and Branding . Tehran, Iran .(14 May 2017).
- **9**_ Top Referee in 1st National Conference on Applied Researches in Sciences and Engineering , Eqbal Lahoori Higher Education Institute , Mashhad , Iran .(27-28 July 2017) .
- **10**_ Top Referee in 4th National Conference on Water Crisis Management. (Ministry of Energy), Iran . (10 Nov 2017).
- **11**_ Top Referee in 6th Conference & Festival of HSE and Incident Prevention. Shahid Beheshti University, Tehran, Iran.(23 Nov 2017).
- 12_ Top Researcher of the Year, The Highest HSE Festival of 2016. Tehran, Iran. (7 Dec 2016).
- 13_ Top Referee in The first conference and Exhibition on Environmental Management and Climate Change .Tehran , Iran . (21 Feb 2018) .
- **14**_ Top Country Researcher, First National Conference on Nanotechnology and Environmental Interaction . Shahid Beheshti University . (4 May 2018).
- 15_ Top Researcher of the Year, First Iranian Mechanical and Biomechanics Festival. Tehran, Iran. (15 July 2018).
- 16_ Top Year Research Project with Design and Manufacture of an Intelligent Robot for Remote Surgery with the ability to Remove Vibration during Operation with an adaptive Neural Controller, First Iranian Mechanical and Biomechanics Festival, Tehran, Iran.(15 July 2018).

Certificate and Workshops:

- _ Micro nano technology and Smart Structures from Isfahan University (by the Teachers of Iowa State University , America) .
- _ ICDL Certificate from the Department of Basic and Advanced Cooperation , Lenjan city.
- _ Accounting degree of cooperatives from the Department of cooperatives , Lenjan city.
- _ Degree in business skills (entrepreneurship) from the Department of Work and Social Affairs, Isfahan, Iran.

Articles:

The scientific paper entitled: basic guidelines for the proper and rational management in the government offices and organizations, in Nasle farad newspaper (9 may 2010).

Work Experience:

- _ Contractor of engineering company of designing and developing of Rokham (2 months of insurance) In This Company, I am Working As a Main Inspector.
- _ Building stones Co. of Isfahan (14 months of insurance).
- Contractor of Artin saina Co. (9 months of insurance).

In This Company I am Working As a Expert Mechanical Installation.

Educational Background:

- _ Educational Counselor of Amoozesh Cultural Center (Qalam Chi) since 2006.
- _ Director of the Amoozesh Cultural Center (Qalam Chi) from 2010 to 2013.
- _ Director of the test field of Amoozesh Cultural Center (Qalam Chi) in Foolad Shahr, 2012_2013.
 - _ Teacher of Amoozesh Cultural Center (Qalam Chi) ,2006_2007.

 In Cultural Center (Qalam Chi) I am Working As Manager And Consultant For Students
 National University Entrance Exam . I Managed to Raise Student 1200 And They In Best
 Field Such As: Medicine, Dentistry, Pharmacy, Nursing, Physiotherapy, Mechanics,
 Electricity, Development Progress, Industries, Engineering Medicine, Agriculture,
 Materials, Management, Accounting, Law, Psycology That They Successfuled The Best
 University In Iran.

Citations:

- 1_ Appreciation of the Wushu Federation of the Islamic Republic of Iran.
- 2_ Appreciation of the Amoozesh Cultural Center (Qalam Chi) for achieving the first rank in School Progress.
- **3**_ Several Citations of the Amoozesh Cultural Center (Qalam Chi).

Sports Activities:

- **1** _ Black belt in Shaolin style of wushu from federation of Islamic Republic of Iran ,(2005).
- **2** _ Gold medal of Wushu Tounament Championship match , selecting Tournment for Armenia (May 2005).
- **3** _ Gold Medal of Martial Arts Tournament in Chaharmahal & Bakhtiary (Kickboxing, full contact Karate) (Nov 2005).
- **4** _ Gold medal of the Quaratet Wushu Championships in Kohkiloye & Boyer Ahmad Province (July 2005).

- **5** _ Gold medal of Wushu Championships in Chaharmahal & Bakhtiari province ,(May2005).
- **6** _ Gold medal of the second period of Wushu Championships in Chaharmahal & Bakhtiari province ,(October2005).
- 7 _ Silver medal of rings style Championship in chaharmahal & Bakhtiari provinc, (March 2005).
- **8** _ Silver medal of International Super contacts Championship (freedom fighters), Chaharmahal & Bakhtiari province (August 2002).
- **9** _ Bronze Medal of sunshu free style Championship in Isfahan (July 2004).
- 10 _ Bronze Medal of 8-sided Wushu Championship in Sistan & Baluchestan (Feb 2004).

Membership in Scientific Societies:

- 1 _ Member of International Federation of Inventors (IFIA)
- 2_ Member of Iranian Society of Mechatronics
- 3 _ Member of the Iranian Nanotechnology Campaign
- **4** _ Member of Iranian Scientific Association of Energetic
- **5** _ Member of Iranian Society of Robotic