



CURRICULUM VITAE

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Date of birth: 5 June 1975

Marital status: Married



Education/Qualifications

2010-2014 Universiti Teknologi Malaysia (UTM), Ph.D of Physics, Photonics.

1999-2001 Shiraz University, Master of Science in Physics, Astronomy.

Employment to Date/Work Experience

2016-present Assistant Professor at Laresatan University

2013 (Postdoc) Visiting Reescher in UTM

2010-Present Working in Institute of Advanced Photonics Science

1998-2010 Teaching of Physics at high School of Jahrom ,Iran

1999-2001 Working in Biruni Observatory - Shiraz-Iran

Other Experience/Activities

2014- Present Member of Young Researchers and Elite Club

2013- Present Editor Board of Journal of Optics

Languages English: good.

Other Skills Computer literate: Windows applications.

Publications

-Books

2014 Soliton Generation by Ring Resonator for Optical Communication Application by Iraj Sadegh Amiri, Sayed Ehsan Alavi, Sevia Mahdaliza Idrus, Abdolkarim Afroozeh , Publisher: Nova Science Publisher.

2014 Ring Resonator Systems to Perform the Optical Communication Enhancement Using Soliton , Iraj Sadegh Amiri, Abdolkarim Afroozeh Publisher: Springer., ISBN: 978-981-287-196-1

2014 Micro Ring Resonators and Applications: New Technology of Optics by Abdolkarim Afroozeh, Iraj Sadegh Amiri and Alireza Zeinalinezhad. Publisher: LAP LAMBERT, Academic Publishing .

2015 Integrated Micro-ring Photonics:Principles and Applications as Slow Light Devices, Soliton Generation and Optical Transmission By Iraj Sadegh Amiri, Abdolkarim Afroozeh, Harith Ahmad CRC Press – 2015 – 230 pages, ISSN: 978-1-13-802783-1.

2015 ANALYSIS OF OPTICAL RING RESONATOR by Afroozeh, I.S. Amiri, K. Chaudhary, J. Ali, P. P. Yupapin ; In book: Advances in Laser and Optics Research, Edition: 11, Chapter:, Publisher: Nova Science Publisher. Advances in Laser and Optics Research. ISBN:978-1-63463-494-6.

2015 Spatial and Temporal Soliton Pulse Generation By Transmission of Chaotic Signals Using Fiber Optic Link by I. S. Amiri, A. Afroozeh , 01/2014: pages In Press will be published in Nova Science Publisher. Advances in Laser and Optics Research. ISBN:978-1-63463-494-6.

2015 Wireless Terahertz Generation Using Optical Waveguides,



Author: Abdolkarim Afroozeh, Reza Mosalanezhad, Seyed Ebrahim Pourmand, Alireza Zeinalinezhad, Publication Year: 2015 ISBN: 9781631817281.

2016 Microring Resonators : Fabrication and Applications in Soliton Communications
By A Afroozeh , Is Amiri , Y Farhang . Language English , ISBN10 1519611552 ISBN13 9781519611550

2017 Integrated Micro-Ring Photonics : Principles and Applications as Slow Light Devices, Soliton Generation and Optical Transmission, By (author) Iraj Sadegh Amiri , Abdolkarim Afroozeh , Harith Ahmad publication City/Country London, United Kingdom, Language English , ISBN10 1138027839 , ISBN13 9781138027831.

-Journal Papers

- 2001 Times Of Minima Of Eclipsing Binaries DI Herculis Ana V1143 Cygni A. Dariush, A. Afroozeh, N. Riazi (2001). "": Information Bulletin On Variable Stars, 5136-IBVS
- 2002 A New Teaching method in Physics Classroom": Physics Education A. Afroozeh. " , Department of Physics, Tehran-Iran
- 2003 Physics Analytic Of Shoot In Football" A. Afroozeh, M. Afroozeh, " , Sport Education Department of Sport, Tehran-Iran
- 2004 Photometric Observation And Apsidal Motion Study Of V1143 Cygni A. Dariush, A. Afroozeh, N. Riazi, Astro-Ph/0411788
- 2011 Multi soliton generation for enhance optical communication A. Afroozeh, I. S. Amiri, M. A. Jalil, M. Kouhnavard, J. Ali, P. P. Yupapin, . (2011). " Applied Mechanics and Materials 83: 136-140.
- 2011 High-terahertz-frequency carrier generation by optical pulse for radio-over-fiber applications. A. Afroozeh, J. Rangsang, J. Ali, P. P. Yupapin, (2011), "Optical Engineering, Volume 50, Issue 12, pp. 125005-125005-11.
- 2011 Radio Wave Generation Using Dark and Bright Soliton M. A. Jalil, A. Afroozeh, M. S. Aziz, I. N. Nawi, J. Ali, P. P. Yupapin. (2011), , , Procedia Engineering, Volume 8, Pages 401-406
- 2011 Bright and Dark Soliton Stopping using Nonlinear Waveguide A. Afroozeh, M. S. Aziz, M. A. Jalil, J. Ali, P. P. Yupapin, (2011), " , "Procedia Engineering, Volume 8, Pages 412-416.
- 2011 Determination of FWHM for Soliton Trapping," A. Afroozeh, I. S. Amiri, J. Ali & P. P. Yupapin. (2011), "Jurnal Teknologi, 55 (Sains & Kej.) Keluaran Khas (1), 77-83, © Penerbit UTM Press, Universiti Teknologi Malaysia.
- 2011 Generation Of Quantum Codes Using Up And Down Link Optical Soliton I. S. Amiri, A. Afroozeh, J. Ali & P. P. Yupapin. (2011), "Jurnal Teknologi, 55 (Sains & Kej.) Keluaran Khas (1), 97-106, © Penerbit UTM Press, Universiti Teknologi Malaysia.
- 2011, "Molecular Transporter System For Qubits Generation I. S. Amiri, A. Afroozeh, M. Bahadoran, J. Ali & P. P. Yupapin. (2011), "Jurnal Teknologi Keluaran Khas, 55 : 155-165, © Penerbit UTM Press, Universiti Teknologi Malaysia.
- 2011 Simulation and Analysis of Multisoliton Generation Using a PANDA Ring Resonator System I. S. Amiri, A. Afroozeh, M. Bahadoran. (2011), "CHIN. PHYS. LETT. Vol. 28, No. 10 (2011) 104205
- 2011 Generation of DSA for Security Application I. S. Amiri, K. Raman, A. Afroozeh, M. A. Jalil, I. N. Nawi, J. Ali, P. P. Yupapin. (2011), " , "Procedia Engineering, Volume 8, Pages 360-365.
- 2011 Dark Soliton Array for Communication Security I. S. Amiri, A. Afroozeh, I. N. Nawi, M. A. Jalil, A. Mohamad, J. Ali, P. P. Yupapin. (2011), , Procedia Engineering, Volume 8, Pages 417-422.
- 2011 Capacity Enhancement in Communication System via NNRR, M. S. Aziz, A. Afroozeh, M. S. Roslan, M. A. Jalil, I. N. Nawi, J. Ali, P. P. Yupapin. (2011), "Procedia Engineering, Volume 8, 2011, Pages 407-411.
- 2011 Simulation Of Soliton Amplification In Micro Ring Resonator For Optical Communication A. Afroozeh, I. S. Amiri, M. Bahadoran, J. Ali & P. P. Yupapin. (2011), " , "Jurnal Teknologi Keluaran Khas, 55: 271-277, , © Penerbit UTM Press, Universiti Teknologi Malaysia.



- 2012 Generation of THz frequency using PANDA ring resonator for THz imaging M A Jalil , A. Afroozeh, Saktioto, Yupapin. (2012). ". " International Journal of Nanomedicine 7: 773.
- 2012 THz frequency generation using Gaussian pulse for medical applications A. Afroozeh, J. Ali, P.P Yupapin. (2012). ". " Optik-International Journal for Light and Electron Optics.
- 2012 Slow light generation using microring resonators for optical buffer application M. Bahadoran , A.Afroozeh, J.Ali, P.P Yupapin.(2012),"" Optical Engineering 51(4): 044601-044601-044608.
- 2012 Fast Light Generation using GaAlAs/GaAs Waveguide A. Afroozeh, I. S. Amiri, M. Bahadoran, J. Ali & P. P. Yupapin. (2012), "" Jurnal Teknologi Keluaran Khas, 57: 17–23, , © Penerbit UTM Press, Universiti Teknologi Malaysia.
- 2012 Nano Radio and RoF Applications Pipatsart, S., A. Afroozeh, J. Ali, P.P. Yupapin. (2012). ". " Procedia Engineering 32: 1-12.
- 2014 Femtosecond Pulse Generation Using Microring Resonators for Eye Nano Surgery P. Sanati, A. Afroozeh, I. S. Amiri, J. Ali, and Lee Suan Chua, Nanosci. Nanotechnol. Lett. 6, 221-226 (2014)
- 2015 Detection of bilayer lipid with graphene nanoribbon, E Akbari, Z Buntat, A Afroozeh, A Zeinalinezhad, M Nilashi. Electronic Materials Letters 11 (5), 806-814, 2015
- 2015 Escherichia coli bacteria detection by using graphene-based biosensor, E Akbari, Z Buntat, A Afroozeh, A Zeinalinezhad, A Nikoukar, IET Nanobiotechnology 9 (5), 273-279, 2015
- 2015 Stop Light Generation using Nano Ring Resonators for ROM A. Afroozeh, A.Zeinalinezhad, S. E. Pourmand, I. S. Amiri, , J.Ali, , Journal of Computational and Theoretical Nanoscience, Volume 12, Number 3, March 2015, pp. 468-472(5).
- 2016 ISVR Modeling of Interferon Gamma (IFN- γ) Biosensor Based on Graphene, E Akbari, Z Buntat, M Nilashi, A Afroozeh, A Zeinalinezhad, Analytical Methods, 2016.
- Silicene and Graphene Nano materials in Gas Sensing Mechanism, E Akbari, Z Buntat, A Afroozeh, SE Pourmand, P Sanaati, RSC Advances, 2016
- 2016 Analytical investigations of gas-sensor using methane decomposition system, MHSA Elnaz Akbari, Zolkafle Buntat , Abdolkarim Afroozeh, Alireza . Environmental Earth Sciences 75 (5), 2016
- 2016 Sensor application in Direct Methanol Fuel Cells (DMFCs), E.Elnaz Akbari, Zolkafle Buntat, Ali Nikoukar, Azadeh Kheirandish, A.afroozeh. Renewable and Sustainable Energy Reviews 60 (1), 1125-1139, 2016
- 2016 Analytical investigation of CO₂ sensor based on carbon strand, E Akbari, Z Buntat, A Afroozeh, A Zeinalinezhad, M Khaledian, International Journal of Environmental Science and Technology 13 (1), 339-348, 2016
- 2016 Analytical assessment of carbon allotropes for gas sensor applications, Elnaz Akbari ; Abdolkarim Afroozeh, Journal of the International Measurement Confederation 92(8)/ 2016
- 2016 Voltage Effect on the Optical Properties of Liquid Photonic Crystal Fiber in *Buletin Optik* 2016. eISSN no: 2504-8546

-Conference Papers

- 2006 A.Afroozeh, S.M.Zabihin "Photometry And Analytic of Eclipsing Binary of V566 OPH", Conference of Payame-noor University, Orumieh.Iran
- 2007 S.M.Zabihin, A.Afroozeh Analysis of Roch Model in Eclipsing Binary system GO Cygni" Conference of Kurdistan University, Sanandaj- Iran
- 2007 A.Afroozeh, S.M.Zabihin (Determining of Minimum Time and Period of Eclipsing Binary system V566 Oph By Photometry and Analysis of Light Curve , Conference of Kurdistan University, Sanandaj- Iran-
- 2008 A.Afroozeh, A.Kamaliyan, S.pilban Determination Of Speed Of Light By Quranic According result of NASA, , Conference of Payame-noor University , Ahvaz-Iran-2008
- 2009 A. Afroozeh, (2009), "Determination of electromagnetic activation eclipsing binary Stars. Conference of Astronomy in Shiraz University, Fars, Iran.



- 2010 Iraj Sadegh Amiri, Muhammad Arif Jalil, Abdolkarim Afroozeh, Jalil Ali, and Preecha P Yupapin, "Storage of Optical Soliton Wavelengths Using NMRR," ICEM, 29 November – 1 December 2010, Legend Hotel, Kuala Lumpur, Malaysia
2010. Iraj Sadegh Amiri, Muhammad Arif Jalil, Abdolkarim Afroozeh, Jalil Ali, and Preecha P Yupapin, "Storage of Atom/Molecules/Photon using Optical Potential Wells," ICEM, Legend Hotel, Kuala Lumpur, Malaysia
- 2010A. Afroozeh, I. S. Amiri, M. A. Jalil, J. Ali, and P.P. Yupapin, "Dark and Bright Soliton trapping using NMRR," ICEM, Legend Hotel, Kuala Lumpur, Malaysia
- 2010A. Afroozeh, I. S. Amiri, M. A. Jalil, J. Alia, and P.P. Yupapin, "Optical Memory Time using Multi Bright Soliton," ICEM, Legend Hotel, Kuala Lumpur, Malaysia
2010. I. S. Amiri, M. A. Jalil, A. Afroozeh, M. Kouhnavard, J. Ali, P.P. Yupapin, "Controlling Center Wavelength and Free Spectrum Range by MRR Radii," FSPGC, 5-7 OCT, IBNU SINA INSTITUTE, UTM, Malaysia
- 2010M. A. Jalil, I. S. Amiri, M. Kouhnavard, A. Afroozeh, J. Ali, P.P. Yupapin, "Finesse Improvements of Light Pulses within MRR System" FSPGC, 5-7 OCT, IBNU SINA INSTITUTE, UTM, Malaysia
- 2010M. Kouhnavard, A. Afroozeh, M. A. Jalil, I. S. Amiri, J. Ali, P.P. Yupapin, "Soliton Signals and The Effect of Coupling Coefficient in MRR Systems" FSPGC, 5-7 OCT 2010, IBNU SINA INSTITUTE, UTM, Malaysia
- 2010A. Afroozeh, M. Kouhnavard, I. S. Amiri, M. A. Jalil, J. Ali, P. P. Yupapin, "Effect of Center Wavelength on MRR Performance," FSPGC, 5-7 OCT, IBNU SINA INSTITUTE, UTM, Malaysia
- 2010 Muhammad Arif Jalil, Iraj Sadegh Amiri, Abdolkarim Afroozeh, Jalil Ali and Preecha P Yupapin, "Effects of MRR Parameter on the Bifurcation Behavior," ESciNano, KLCC, Kuala Lumpur, Malaysia
- 2010 Muhammad Arif Jalil, Iraj Sadegh Amiri, Abdolkarim Afroozeh, Jalil Ali and Preecha P Yupapin, "MRR Quantum Dense Coding," ESciNano, KLCC, Kuala Lumpur, Malaysia
- 2010 Mojgan Kouhnavard, Iraj Sadegh Amiri, Muhammad Arif Jalil, Abdolkarim Afroozeh, Jalil Ali and Preecha P Yupapin, "Quantum Signal Processing Via an Optical Potential Well," ESciNano, KLCC, Kuala Lumpur, Malaysia
- 2010 Mojgan Kouhnavard, Iraj Sadegh Amiri, Muhammad Arif Jalil, Abdolkarim Afroozeh, Jalil Ali and Preecha P Yupapin, "QKD Via a Quantum Wavelength Router using Spatial Soliton," ESciNano, KLCC, Kuala Lumpur, Malaysia
- 2010 Iraj Sadegh Amiri, Muhammad Arif Jalil, Muhamad Hamdi, Abdolkarim Afroozeh, Jalil Ali and Preecha P Yupapin, "Proposed Molecule Transporter System for qubits Generation," ESciNano, KLCC, Kuala Lumpur, Malaysia
- 2010 Iraj Sadegh Amiri, Muhammad Arif Jalil, Muhamad Hamdi, Abdolkarim Afroozeh, Jalil Ali and Preecha P Yupapin, "Trapping Spatial and Temporal Soliton System for Entangled Photon Encoding," ESciNano, KLCC, Kuala Lumpur, Malaysia
- 2010A. Afroozeh, I. S. Amiri, M. A. Jalil, J. Ali, and P.P. Yupapin, "Optical Dark and Bright Soliton Generation and Amplification," ESciNano, KLCC, Kuala Lumpur, Malaysia
- 2010A. Afroozeh, I. S. Amiri, M. A. Jalil, J. Ali, and P.P. Yupapin, "Wide and narrow signal generation using chaotic wave," ESciNano KLCC, Kuala Lumpur, Malaysia.
- 2012 A. Afroozeh, I. S. Amiri, A. R. Samavati, J. Ali, and Preecha Yupapin. " THz Frequency Generation using MRRs for THz Imaging", International Conference on Enabling Science and Nanotechnology 2012 (ESciNano 2012) 5-7, Persada Johor International Convention Center, Johor Bahru, MALAYSIA
- 2012 A. R. Samavatia, S. K. Ghoshalb, Z. Othaman a, A. Afroozeh, Germanium Nanostructure on Si(100) Surface Grown by RF Magnetron Sputtering Technique International Conference on Enabling Science and Nanotechnology 2012 (ESciNano 2012) 5-7 January, Persada Johor International Convention Center, Johor Bahru, MALAYSIA.
- 2016 Amplified Optical Bright Soliton by Nonlinear Waveguides, 3rd International Conference on Science and Engineering Istanbul Turkey,
- 2016 DSA Generation using Micro Ring Resonators, 3rd International Conference on Science and Engineering Istanbul Turkey,
- 2016 Performance of PCF under the variations of optical parameters, 3rd International Conference on Science and Engineering Istanbul Turkey,

Project

- 2008 Photometry and analysis of light curve has been done in payame noor.
- 2011 Nano surgery using micro ring has been done in UTM.



Invention

- 2014 Terahertz generation for wireless communication got silver medal in INATEX .
- 2016 Anti-sweat and anti-odor spray
- 2016 Smart glass for control drink water time and water volume that needed for renal, chemotherapy and diabetes patients
- 2017 Smart glass for quick detection of corrupt milk based on the amount of PH milk

Workshop

- 2010 Learning Matlab Software
- 2011 Seminar and Research work Nanophotonics
- 2012 How to do academic research
- 2000 Astronomy

Awards

- 2013 Selection as a Best Teacher in Iran
- 2014 Best Student award
- 2012 Getting IDF (International Doctoral Fellowship) from Universiti Teknologi Malaysia
- 2012 Getting Award from Optical Engineering Journal for serving as a reviewer
- 2011 Getting IDF (International Doctoral Fellowship) from Universiti Teknologi Malaysia
- 2010 Getting IDF (International Doctoral Fellowship) from Universiti Teknologi Malaysia
- 2010 Selecton As a Active student in Malaysia
- 2008 Selection As a Best Teacher in Town of Ghir –Iran
- 2006 Selection As a Best Teacher in Fars Province –Iran
- 2005 Selection As a Best Teacher in Town of Ghir –Iran
- 1998 Getting Volleyball Coach Certification –Grade 3

References

Prof.Dr. Jalil Ali
Professor
UTM university
Skudai/Johor/Malaysia
Email: djxxx_1@yahoo.com

Prof Dr Preacha Yupapin
Professor
KTML University
Thailand
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Shiraz,Iran
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Dr. Abolhasan Ghaybi
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